



A MITEL
PRODUCT
GUIDE

OpenScape Desk Phone

CP710

Mitel Unify OpenScape Business

User Guide HFA

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Important information

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For safety reasons, the telephone should only be supplied with power:

- using the original power supply unit.
- over a LAN with PoE (Power over Ethernet), which complies with the IEEE 802.3af standard.



Never open the telephone. Should you encounter any problems, consult your administrator.



Use only original accessories.

The use of other accessories is hazardous and will render the warranty, extended manufacturer's liability and the CE and other markings invalid.

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Software update

During a software update, the phone must not be disconnected from the power supply unit or the LAN. An update action is indicated by messages on the display and by flashing LEDs.

Care and cleaning instructions

- Never spray the phone with liquids as the penetrating fluids can lead to malfunctions or may damage the device.
- Do not use substances such as alcohol, chemicals, solvents or scouring agents, as these substances can lead to surface damage.
- Clean the phone with a soft and slightly damp cloth.

Online documentation

This document along with additional information is available online at:
<https://www.unify.com/> → Support.

Technical notes, current information about firmware updates, frequently asked questions and lots more can be found on the Internet at: <https://wiki.unify.com/>.

Location of the telephone

- The telephone may only be operated using the LAN cabling internally in the building. The device should be connected to the IP infrastructure using a shielded LAN cable: Cat-5 for 100 Mbps or Cat-6 for 1000 Mbps. Make sure in the building installation that this cable shielding is earthed.
- When using the additional Wi-Fi dongle CP10 when connecting the phone to the network, make sure that the network security standards (e.g. encryption) and availability are met
- The telephone is designed for operation in a protected environment within a temperature range of 5 °C to 40 °C.
- Do not install the telephone in a room where large quantities of dust accumulate; this can considerably reduce the service life of the telephone.
- Do not expose the telephone to direct sunlight or any other source of heat, as this is liable to damage the electronic components and the casing.
- Do not install the telephone in bathrooms or shower rooms.

Product-oriented environmental protection

Unify is committed in terms of its product strategy to bringing environmentally friendly products to market, taking account of the entire product life cycle. Unify strives to acquire the relevant environmental labels for its products in the event that the environmental label programs permit qualification for individual Unify products.

Energy Star



ENERGY STAR is a US Environmental Protection Agency voluntary program that helps businesses and individuals Save money and protect our climate through superior energy efficiency.

Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency criteria or requirements set by the US Environmental Protection Agency.

Unify is an ENERGY STAR partner participating in the ENERGY STAR program for Enterprise Servers and Telephony.

The Unify products OpenScape Desk Phones have earned the ENERGY STAR. Learn more at energystar.gov

License information

For further information about EULA (End User License Agreement) and Open Source licenses, consult your administrator or the web-based management (WBM).

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General information

ABOUT THIS MANUAL

This User Guide is intended to help you familiarize yourself with the OpenScape Desk Phone and all of its functions. It contains important information on the safe and proper operation of the OpenScape Desk Phone. These instructions should be strictly complied with to avoid operating errors and ensure optimum use of your telephone.

This document contains general descriptions of the technical options, which may not always be available in individual cases. If a function is not available as described on your telephone, please contact your Administrator.

Icons used in the manual

Operations and settings that can be made both at the phone and over the web interface are indicated by an icon and page reference.



This icon refers to an operation or setting performed via the web interface.



This icon refers to an operation or setting performed directly on the phone.

Indicates important additional information in relation to handling.

Indicates required intervention by the Administrator.

DISPLAYS FOR DESCRIBING OPERATION

Keys required to perform an action, such as  or  and the associated display text, are shown in the highlighted column on the left. The action is described in the main column on the right.

To improve the legibility of the user guide, the operating steps are not always shown in full.

The option “Contrast” is configured in the following example.

Selecting and confirming actions

Original illustration on display



Step-by-step illustration in the user guide

Charlie Miller

The information area on the left of the display is shown in a left-aligned field.

The action area on the right of the display changes colour according to the action required or the status.

Settings

When an action is selected, it will be shown right-aligned in blue.

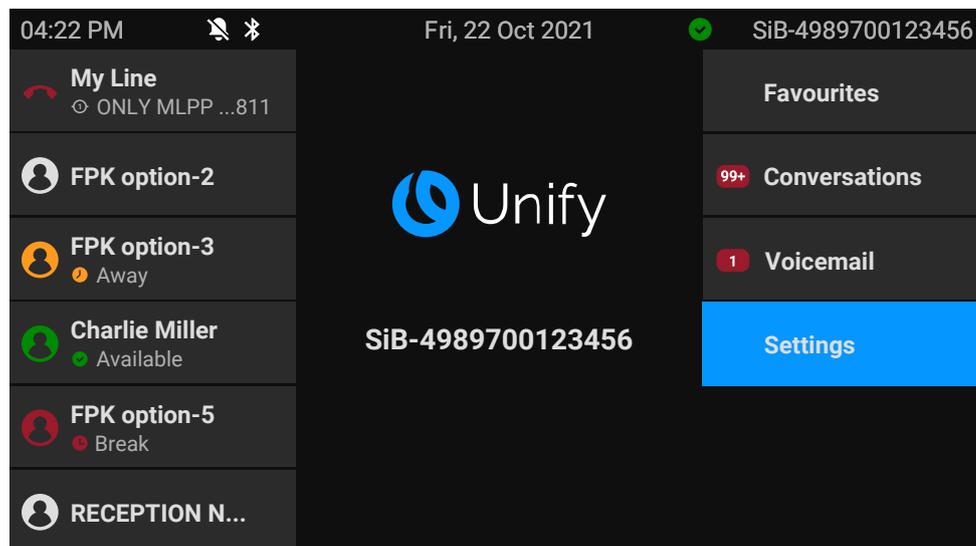
The action is executed by selecting the corresponding function key.

OK

The selected function can also be confirmed using the key "OK".

Action not selected

Display illustrations



Step-by-step illustration in the user guide

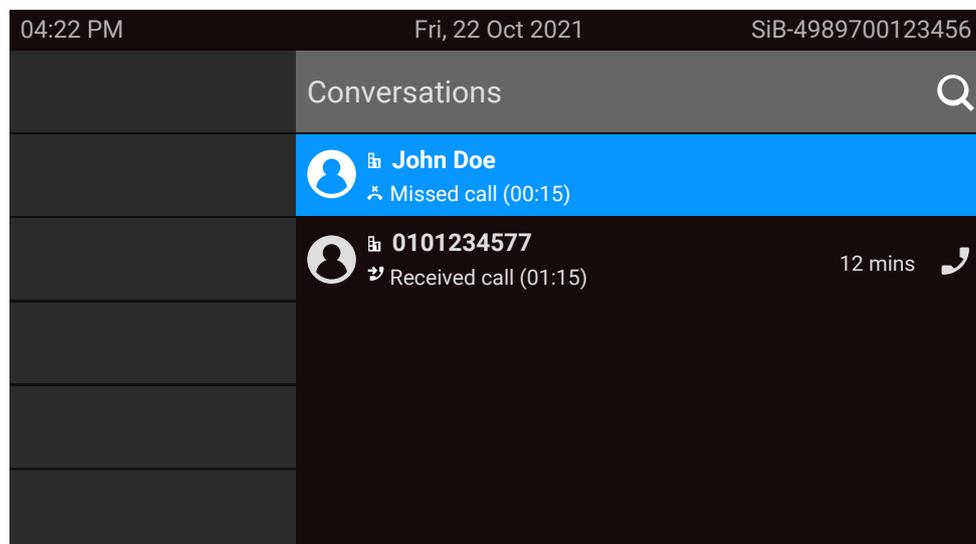
Favourites

When an action is not selected, it will be shown right-aligned in a dark grey colour. The corresponding key is also shown.

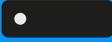
The action can be executed by pressing the key even if it has not been selected.

Conversation display

When the phone is idle, the first entry in the conversation list is highlighted and selected.



Melanie Miller



Information displayed for a selected conversation

If a conversation contact is selected in the list, it will be highlighted in blue.

Accept and select the conversation by pressing the adjacent function key or press  to establish the connection.



To open the context menu, press the navigation key.

Information displayed for a non-selected conversation

A conversation is displayed with a grey background if it is not selected.

Press the adjacent navigation key to establish the connection.

John Doe



SERVICE

The service department can only help you if you experience problems or defects with the phone itself.

Should you have any questions regarding operation, your specialist retailer or Network administrator will be glad to assist you.

For queries regarding connection of the telephone, contact your Network provider.

If you experience problems or defects with the phone, dial the service number for your country.

INTENDED USE

The OpenScape Desk Phone CP710 is a desktop unit designed for voice transmission and for connection to the LAN. It can also be used as a workstation device. The OpenScape Desk Phone CP710 can also be connected to Wi-Fi with the additional Wi-Fi dongle CP10.

Any other use is regarded as unintended.

TELEPHONE TYPE

The identification details (exact product designation and serial number) of the telephone can be found on the nameplate on the underside of the base unit. Specific details concerning your communication platform can be obtained from your administrator.

Have this information ready when you contact our service department regarding faults or problems with the product.

SPEAKERPHONE QUALITY AND DISPLAY LEGIBILITY

- To ensure good speakerphone quality, the area in front of the microphone (bottom right of the telephone front panel) should be kept clear. The optimum distance is approx. 50 cm.
- Proceed as follows to optimize display legibility:
 - Turn the phone to tilt the display to ensure you have a frontal view of the display and avoid light reflections.

SINGLE-LINE TELEPHONE / MULTI-LINE TELEPHONE

The OpenScope Desk Phone CP710 can be used as "multi-line telephone", i.e. multiple lines can be configured instead of a single line. Each line is assigned to an individual phone number you can use to make and receive calls.

The programmable keys are configured as line keys on multi-line phones ("Programming the function keys" → page 88).

All lines and their status is displayed in the screen Favourites, configurable with the 12 available programmable keys. You can add more lines by attaching one or more key modules to the phone.

REPAIR AND RECYCLING CONCEPT, EXTENDING PERFORMANCE CAPABILITY

This section contains additional information in accordance with the basic award criteria for the "Blue Angel" eco-label as specified in RAL-UZ 220. The CPx10 telephones comply with all legal requirements of the country in which they are marketed.

Recycling and disposal of equipment in the OpenScope Desk Phone family

Return of OpenScope Desk Phone waste equipment.

a) Legal and other foundations

The take-back of equipment and spare parts is based on

- EU Directive 2012/19/EU (WEEE),
- The German "Act Governing the Sale, Return and Environmentally Sound Disposal of Electrical and Electronic Equipment" (ElektroG),
- The criteria of the Blue Angel RAL UZ 220 for "Telephone systems and Corded Voice-Over IP Telephones".

b) Separate collection according to ElektroG

Users of electrical and electronic equipment are obliged to collect waste equipment separately and supply for proper disposal.

This waste equipment must not be disposed of together with unsorted municipal waste (normal household waste). Separate collection is a condition for reuse, recycling and efficient recovery of waste equipment and the basis for the recovery of materials.

c) Take-back according to the criteria of the Blue Angel

In addition to the legal requirements governing take-back of electrical and electronic equipment, Mitel Networks Corporation takes back the OpenScape Desk Phone CPx10 telephones introduced on the market in Germany and manufactured after March 2014. Insofar as no direct collection of this waste equipment has been agreed, the OpenScape Desk Phone end-of-life phones can be returned free of charge to the following address:

eds-r gmbh // rücknahmesysteme
Maybachstr. 18
90441 Nuremberg, Germany

d) Reuse, recycling and recovery

Attention is paid to ease of disassembly / recycling of the OpenScape Desk Phone waste equipment as early as the product development stage.

- Reuse: The old appliances are repaired and refurbished and put into the spare parts cycle, where they are then reused.
- Recycling and recovery of OpenScape Desk Phone CPx10 telephones that are no longer usable: Before further treatment, the end devices are roughly dismantled and fed into various recycling processes. The various metals are separated in special shredding plants for electronic waste. Copper and precious metals are further processed in refining. Aluminium and iron are separated and sent to the smelter.

Repair reliability and spare part supply

Mitel Networks Corporation guarantees repair support and spare part supply for up to 6 years following product discontinuation of the OpenScape Desk Phone phones.

Expandability of the performance

The functionality of all OpenScape Desk Phone CPx10 phones can generally be extended by software updates.

If necessary, contact your administrator or system administrator or your sales partner of Mitel Networks Corporation.

Remote configuration for cloud service providers

Connect the telephone

Connect the telephone to the LAN. If the power is not supplied by the LAN cable, connect a power supply if appropriate (the power supply is not needed with PoE). The telephone should now boot.

The telephone recognizes based on the stated conditions that a remote configuration is about to be performed and starts the process.

From factory defaults to operational telephone

This section describes the Remote administration process, from the initial factory defaults to the operational telephone.

If your telephone is already operational, continue reading from section "[Getting to know the OpenScape Desk Phone CP710](#)" → page 24.

You can start up your new OpenScape Desk Phone yourself using a remote maintenance function. The prerequisites for this are:

- The administrator has provided you with a PIN for the initial start-up.
- You have a LAN connection with access to the internet.
- You have a new CP710 phone that you want to start up using the remote maintenance function.

Entering the deployment PIN

The first time you start up the telephone, it will automatically check the remote administration requirements. If the requirements are met, you are prompted to enter the "Deployment PIN" (**Cloud PIN**).





Enter the PIN you received from the administrator. Only numeric characters are accepted.



Confirm the entry.

Starting the remote configuration

1. Press and hold the key  before plugging in the Ethernet cable (PoE) or power supply. The display for entering the PIN is displayed.
2. Enter the PIN. Once you have entered a valid PIN, the remote configuration of the telephone starts automatically.

Once the configuration is concluded, the telephone is operational with the required settings. You can now make calls.

New operating system software may be downloaded and installed during the remote configuration. If this happens, reboot the telephone after the remote configuration.

Cancelling the remote configuration

You can stop the process in order to continue the configuration manually before entering the PIN or after entering an invalid PIN.

- The remote configuration is concluded once you enter a valid PIN. The process can no longer be cancelled at this stage.
- If an error still occurs even though a correct PIN has been entered, repeat the configuration by restarting the telephone.
- Likewise repeat the process following a cancellation by restarting the phone, assuming you have not already started the manual configuration.



Press the key. The following message is displayed:

Abort deployment

Press the key to confirm that the process is cancelled. The following message is displayed:

Deployment aborted

The telephone is set to the factory defaults and must be configured manually by you or the administrator. Optionally, repeat the remote configuration by restarting the telephone.

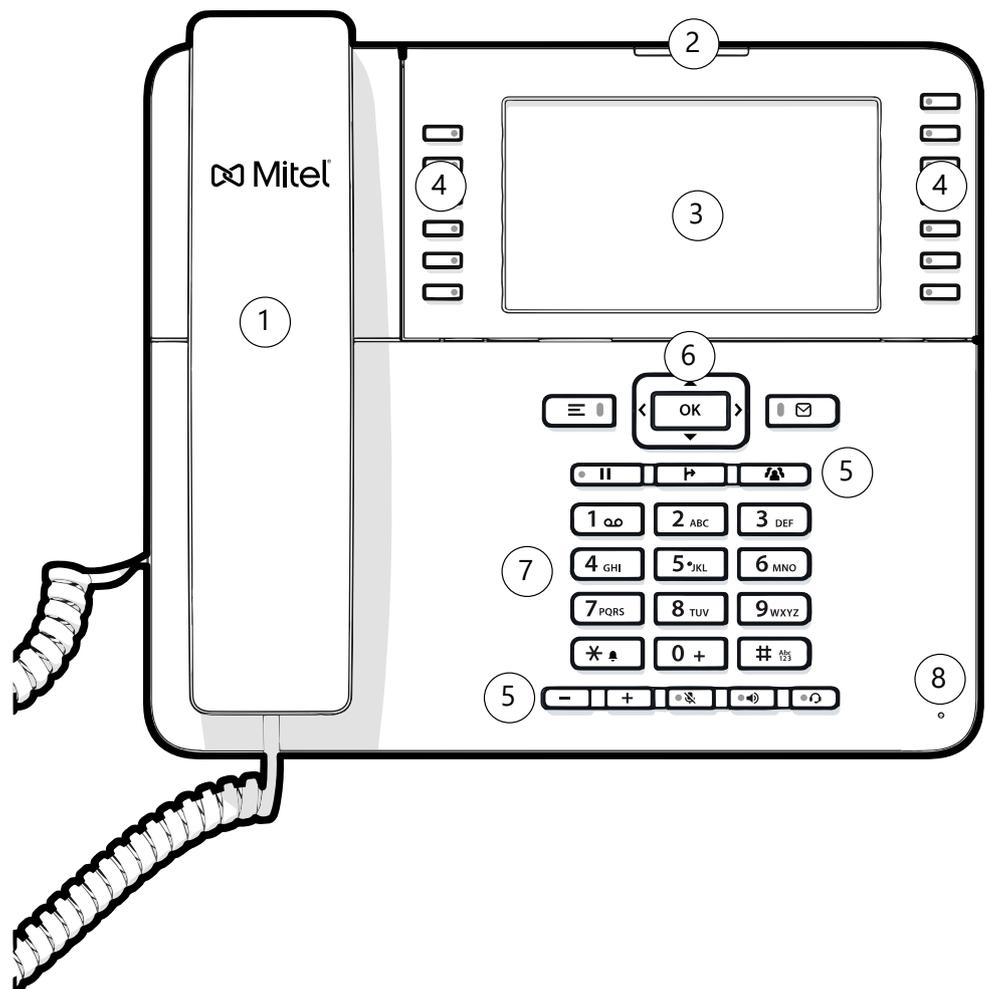
Note that all “No telephony possible” errors are hidden as long as Cloud Deployment is in progress.

When Cloud Deployment is complete then any error codes that are still relevant will be shown as error notifications.

Getting to know the OpenScape Desk Phone CP710

The following sections describe the most frequently used controls and displays.

The user interface of the phone



1 You can make and receive calls as normal using the **handset**.

2 The **status LED** displays the phone connection status. Incoming calls and new voice mails are visually signalled via the notification LED.

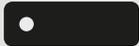
3	The display shows information during telephone operation.
4	<p>The programmable function keys on the left of the display can be set to various functions.</p> <p>The fixed function keys on the right of the display correspond to the fixed functions on the display.</p>
5	<p>The function keys (non-programmable) are assigned to the following functions:</p> <ul style="list-style-type: none"> : Provides access to the user menu for locally controlling the phone settings. : Allows voice mails to be managed. : Hold or retrieve the active call. : Transfer a call to another contact. : Enable access to the conference functions. : Activate or deactivates the speakerphone during an active call. : Activates or deactivates the headset. : Increases or decreases the speaker or headset volume. : Activates or deactivates the microphone. This prevents the other party from listening in, e.g. when consulting with someone else in the room or in case of background noise.
6	The navigation keys help you navigating through the various phone functions, applications and configuration menus.
7	The dialpad can be used to enter phone numbers and write text.
8	You can interact with calls with the microphone even when the handset is hung up.

FUNCTION KEYS

Function keys on the phone can have the following options:

- “Soft keys” or with a function that is assigned through the settings (see "Programming the function keys" → page 88)

- Function keys with predefined functions that cannot be changed, e.g. for “Favourites”.

Key	Function when key is pressed
	<p>Function key next to the display: Activates the function shown next to the key on the display or opens an additional menu.</p> <p>If there is no description on the display next to the key, the key is not active.</p>

FIXED FUNCTION KEYS

You can switch to the function applied to these keys.

Key	Function when key is pressed
	Switches between current screen and main menu (see "Different display interfaces" → page 1).
	Switches to Presence and back (see "Presence" → page 1).
	Provides access to the voice mail system
	Puts current call on hold, or retrieves from hold
	Transfer key: puts a call on hold and gives you dial tone to call another party
	Establishes a conference call

PROGRAMMABLE FUNCTION KEYS ON THE PHONE

Your OpenScape Desk Phone has twelve programmable function keys (with LED) on both sides of the display which you can program with different functions or phone numbers.

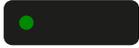
Each programmable function key has two levels and functions can be programmed on either level.

The status of a function is shown by the LED display for the corresponding function key. Depending on how they are programmed, you can use the keys as follows:

- Function keys, see "Programming the function keys" → page 88

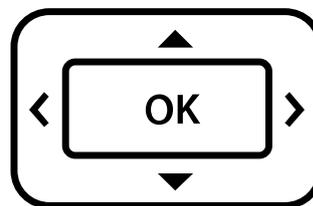
Line and direct station selection (DSS) keys can only be programmed by the administrator via the program or service menu.

Meaning of LEDs on function keys

LED		Meaning of function key
	Off	The function is deactivated.
	Lights up green	The function is activated.
	Lights up red	The line is busy (line or DSS key).
	Lights up green	Call forwarding is active.
	Blinking green	A Group pickup call is available. A call is incoming (line or DSS key).
	Blinking amber	A recall is active (only line key). A call is on hold (only line key).

NAVIGATION KEYS

This control allows you to move between input fields and navigate in lists and menus.



The pictograms for the navigation keys in this manual do not look identical to the navigation keys on the hardware.

Key / pictogram	Functions when key is pressed
	<ul style="list-style-type: none"> In lists and menus: One level up Entry selected: Cancel action In input fields: Delete character to the left of the cursor
	<ul style="list-style-type: none"> In lists and menus: One level down
	<ul style="list-style-type: none"> In lists and menus: Scroll up Press and hold: Skip to the start of the list or menu
	<ul style="list-style-type: none"> In lists and menus: Scroll down Press and hold: Skip to the end of the list or menu
	<p>With entry selected:</p> <ul style="list-style-type: none"> Perform action Confirm your selection

AUDIO CONTROLS

Audio keys

Key	Function when key is pressed
	Activates and deactivates the loudspeaker "Answering a call via the loudspeaker (speakerphone mode)" → page 96.
	Activates and deactivates the headset "Answering a call via the headset" → page 97.
	Activates and deactivates the microphone (also for speakerphone mode) "Activating or deactivating the microphone" → page 111.

Volume



Use the controls to adjust the properties of your phone, for example the volume.

Key	1x	2x	3x	4x	5x	6x	7x	8x	9x	10x	11x	12x	13x	14x	15x	16x	17x
	t	u	v	8	ü												
	w	x	y	z	9												
	.	*	1	#	,	?	'	"	+	-	()	@	/	:	_	
	0	+															
	(d)																

- (a) Special characters (not in 123 mode)
- (b) Space
- (c) Extended character
- (d) Toggle between uppercase and lowercase and number entry

Multi-function keys

Key	Function during text input	Function when held down
	Types special characters	<ul style="list-style-type: none"> • 2 seconds: Ringer off • 3 seconds: Beep rather than ringer
	Switches between uppercase and lowercase text and number entry: <ul style="list-style-type: none"> • "Abc" mode • "ABC" mode • "123" mode 	Activates the telephone lock
	Types special characters (not in 123 mode).	Calls the answering machine.

Input editor

Additional options are available in the text editor. This is used when programming a forwarding destination, for example. In this way, you can, for example, move the cursor freely and copy or insert text.

OK

Use the key to select further editor functions via the navigation keys and confirm each one of the following items:

- OK: Applies changes and closes the editor
- Delete: Deletes characters from right to left
- Cancel: Discards changes and exits the editor

- Mode (# can also be used here to switch):
 - 123: Digits only
 - ABC: Uppercase letters only
 - Abc: First letter in uppercase, subsequent letters in lowercase
 - abc: Lowercase letters only
- Move cursor left: Moves the cursor to the left
- Move cursor right: Moves the cursor to the right
- Copy: Copies the entire content to the clipboard
- Paste: Inserts the entire content from the clipboard at the cursor position

Text input

Where text input is possible, you can use the dialpad to input text, punctuation and special characters in addition to the single-digit numbers 0...9 and the hash-tag (#) and asterisk (*) symbols.

Example



To enter the capital letter "U", press the hash key  on the dialpad. All available characters for this key are displayed during input below the input field.

- Press the numerical keys repeatedly to enter the letter.
- To enter a digit in an alphanumerical input field, press the relevant key and hold it down.

Complete your input by pressing the corresponding function key.

Number input

If you press a dialpad key when the phone is in idle mode, the screen displays an input field for entering single-digit numbers.



You can only enter the numbers 0...9 as well as the characters * and # via the dialpad in 123 mode (indicated at the left-hand margin of the input field).

Alphabetic labelling of dial keys is also useful when entering vanity numbers (letters associated with the phone number's digits as indicated on the phone spell a name, e.g. 0700 - PATTERN = 0700 - 7288376).



Complete your input by pressing the corresponding function key.

Display

The various screens displayed in the following sections depend on the configuration by the administrator. Some items may not be displayed if not configured.

DISPLAY BRIGHTNESS

You can adjust the display brightness to suit your ambient lighting.

Press the key to open the main menu.



Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



Enter and confirm the user password, if required.

Phone

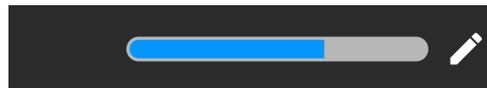
Select "Phone".

Display

Select "Display".

Brightness

Select "Brightness". The current setting is displayed.



Select "Edit".

Edit icon

Use the function key to increase the value.

Plus icon

Use the function key to decrease the value.

Minus icon

Minus and Plus icons

- Optionally, use the keys on the dialpad.

Save the setting.

Checkmark icon

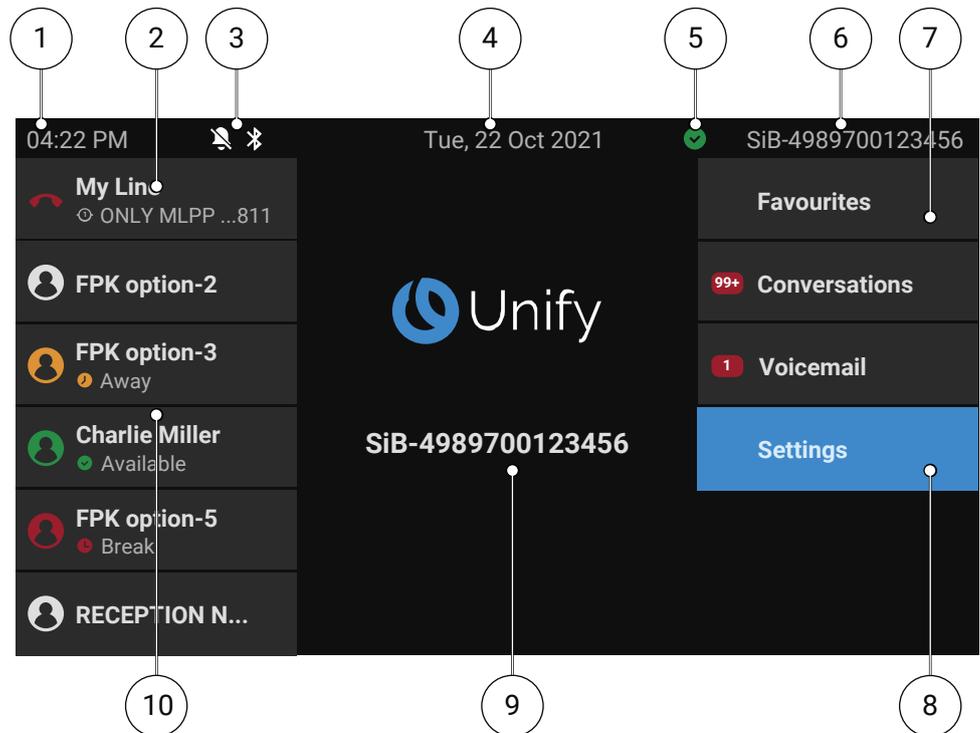
DISPLAY CONTRAST

The OpenScape Desk Phone OpenScape Desk Phone CP710 comes with a high-resolution colour LCD display.

The contrast settings cannot be changed.

HOME SCREEN

If no calls are taking place or settings being made, the phone is in idle mode.



1	Time screen
2	Line status
3	Status icons
4	Date and time
5	Presence status
6	Phone number
7	Menu options (e.g. for other screens)
8	The selected menu option is highlighted
9	Phone's own identity
10	Permanent programmable keys



Press this key to return to the home screen from a voicemail menu (see "Voicemail" → page 41).



Press this key to return to the home screen from the **Program** or **Service** menu.

Icon overview

Icons for different situations and options are displayed on the phone screen.

Status bar

The status bar at the top of the screen displays the current time, phone status, presence status, and the phone number or name. Different icons represent different situations and status.

When the phone is idle, the status bar displays also the current date. The current date interchanges with Bluetooth sensor reading information, if a Bluetooth temperature sensor has been paired with the phone.

When the phone has a call, the status bar also displays information about the current call.

Icon	Meaning
	Deactivated ringer
	The ringer is set to a beep
	Function "Forwarding on all calls" enabled
	Recording is set to auto-start. Recording is flashing if a recording is in progress.
	Recording can be started manually.
	Remote access is activated. When active, the icon is flashing.
	Bluetooth keyboard is paired.
	Bluetooth remote device is paired.
	Bluetooth function activated
	Bluetooth function is activated and a device is connected

Icon	Meaning
	Battery level of the connected Bluetooth device.
	
	Battery level of the connected Bluetooth device, when the device has a call.
	
	Bluetooth temperature sensor reading.
	Bluetooth humidity sensor reading.
	Mobility function is activated and the mobility login is complete.
	Mobility data synchronization is in progress.
	A mobile user is logged on to the telephone.
	The function "Do not disturb" is enabled
	Phone is locked

Call status

Various icons are displayed indicating the call status.

Icon	Meaning
	Active (connected) call.
	Active (connected) HD call.
	Active (connected) Bluetooth HFAG

Icon	Meaning
	Active (connected) video call
	Call that has encountered a "Busy" condition.
	Answered call (old)
	Missed call
	Dialled call
	Call on hold
	New voice mail
	Call you forwarded
	Call you forwarded unconditionally
	A call that has encountered "Unobtainable".
	Incoming call
	Incoming Bluetooth HFAG call. When busy, the icon is flashing.
	Ignored call waiting call
	Call back
	Unsecure call
	Secure call
	Ringer

Icon	Meaning
	Call moved to mobile number

Navigation

Various icons are displayed indicating the navigation options.

Icon	Meaning
	Expandable list
	Expanded list
	Options
	Scroll up or down in lists
	Cancel
	Information
	Back to previous entry or list
	Blacklist
	Call log
	Search
	Filter in lists
	Settings
	Mailbox
	Video available

Icon	Meaning
	Phone is locked

Communication

Various icons are displayed indicating the communication options, i.e. how to handle an incoming call.

Icon	Meaning
	Accept call
	Deflect call
	Call on hold
	Redial
	Repertory call
	Conference call
	Add caller to conference
	Transfer
	Select line
	Number of events (1...99, additional events are marked with a "+"-sign)
	Park a call

Line status

Various icons are displayed indicating the line status.

Icon	Meaning
	Connection on line 1 (the digit displays the line number)
	Line busy
	Line active
	Line on hold
	Line alert
	Unregistered line

Presence status

Various icons are displayed indicating the availability and presence status.

Icon	Meaning
	Office
	In meeting
	Sick
	Break
	Out of office
	Holiday
	Lunch
	Home

Icon	Meaning
	Do not disturb
	Offline

Connectivity status

Various icons are displayed indicating the connectivity status.

Icon	Meaning
	Mailbox
	USB available
	Unsecure Wi-Fi connection. The strength of the signal is indicated by the “filling”.
	Secure Wi-Fi connection. The strength of the signal is indicated by the “filling”.
	Active Wi-Fi setting with no connection.

Contact information

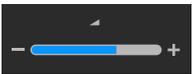
Various icons are displayed indicating the contact information type.

Icon	Meaning
	Work phone number. The small digit displays the primary or secondary work phone number.
	Mobile phone number
	Private (“home”) phone number

DISPLAYS ON THE STATUS LINE FOR ADJUSTING THE VOLUME



Use the keys to adjust the ringer, handset and speaker volume. The following status messages are displayed:

Display	Meaning
	Ringer volume in 10 levels
	Ringer volume in 10 levels when the ringer is switched off
	Handset or speaker volume in 10 levels after picking up the handset or switching to speakerphone mode.

VOICEMAIL

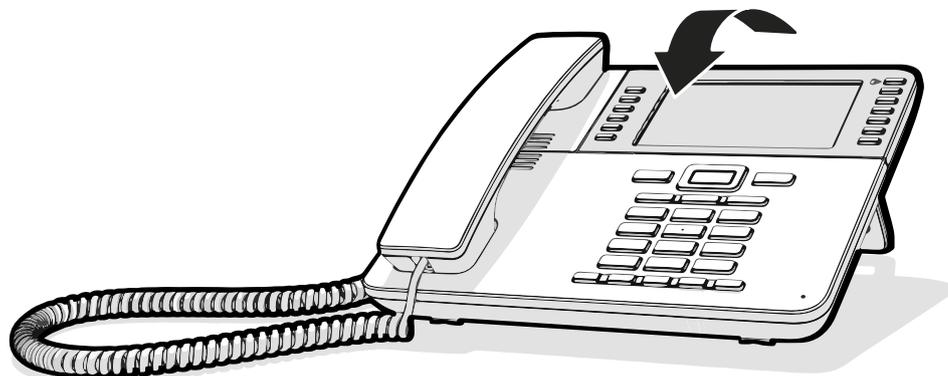
Press the key shown.

If your telephone is connected to a voicemail system (such as Smart Voicemail), the key lights up on incoming messages in addition to the notification LED.

An corresponding message is displayed.

You cannot delete (new) voice messages that you have not listened to in full. To mark a message as "listened to", press **6 MNO** **6 MNO** to jump to the end of the message.

ADJUSTING THE DISPLAY ANGLE



You can tilt the display. Adjust the display unit for best readability. The display snaps into position.

Context-dependent displays

Depending on the current situation, the display on the phone displays different content.

ACTIONS WITH FUNCTION KEYS

Initiating the search function

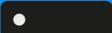
Select "Search" to start an alphanumeric search (see "Searching for conversations" → page 54).

Use the function key adjacent to the conversation entry to dial the respective contact.

You can select a conversation by using the navigator keys for scrolling, and open the details of the conversation with the key  (see "Opening details of a conversation or conducting a call" → page 51).

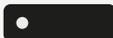
ACTION VIA DIALPAD

Press any key on the dialpad to start dialling a phone number with automatic phone number searching.



123

As soon as you enter the first digits, an input field opens for selecting the phone number and you will be shown conversations that match the input to date in the corresponding positions.



If the conversation is already shown in the list before your input is complete, you can dial the number immediately using the associated function key or start a call with a new number (see "Opening details of a conversation or conducting a call" → page 51).

ACTIONS WITH NAVIGATION KEYS

Viewing details

You can open a selected conversation entry displaying a right arrow icon  by pressing the navigation key  to see the associated details.

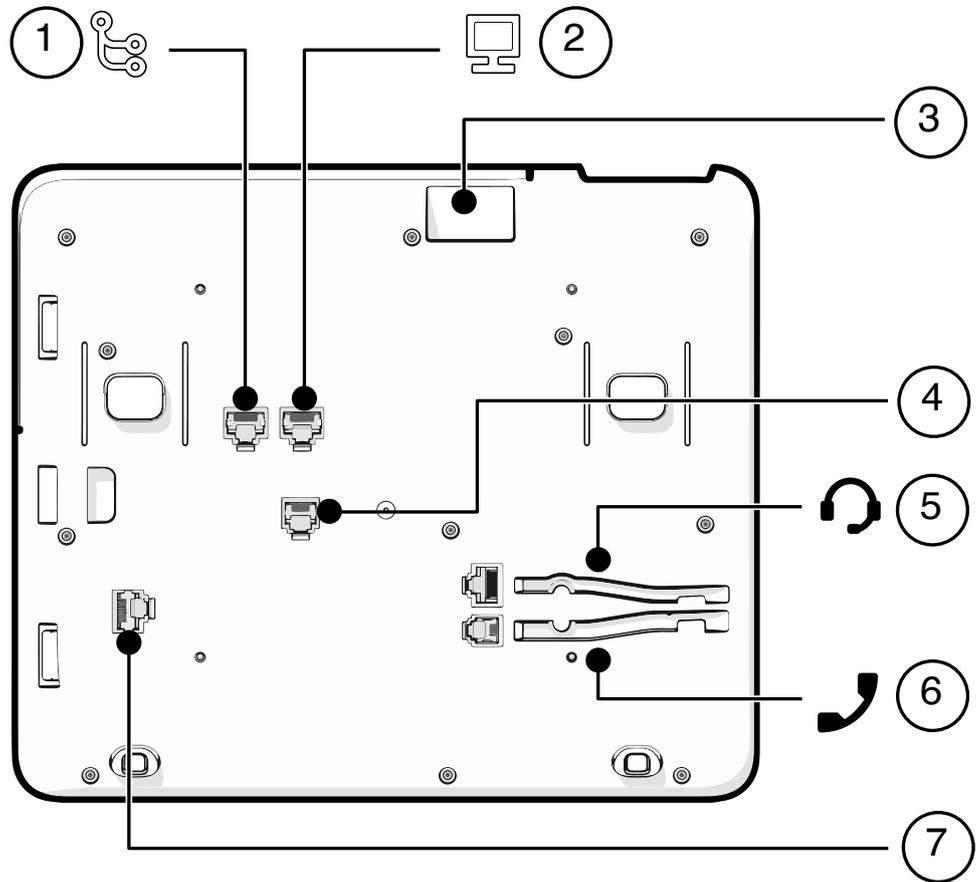
Activating an application

You can use the key "Settings"  to toggle, for example, between the main menu and the settings screen.

Browsing lists

You can use the Navigator keys to scroll through entries and confirm the functions.

Ports on the underside of the phone

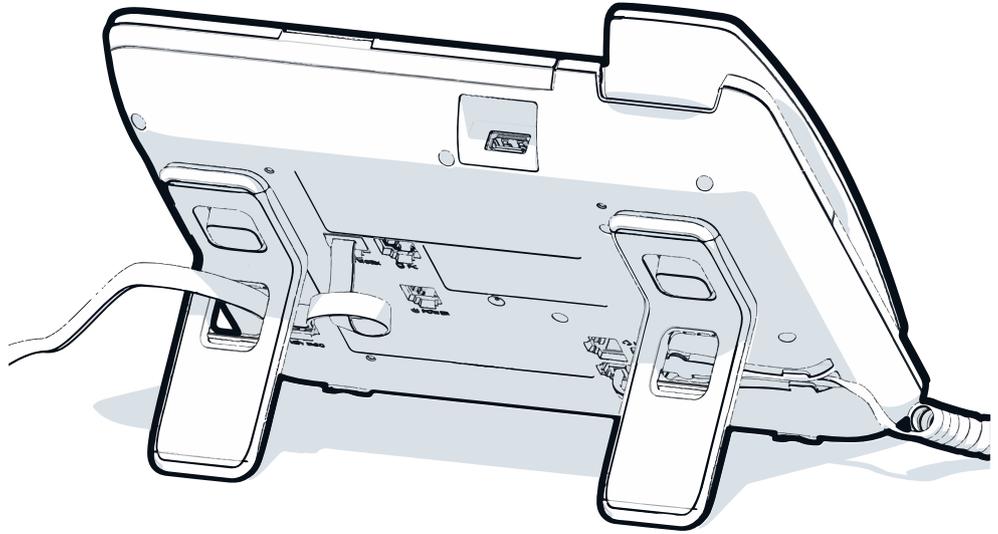


1	Network LAN port	2	PC LAN port
3	USB-A port	4	Optional power supply
5	Headset port	6	Handset port
7	Key module port		

Note

The key module is not “hot-swappable”: Always switch off the phone before removing or connecting a key module.

THREADING THE CONNECTION CABLES



The picture shows an example of the OpenScape Desk Phone series. Your actual phone may look different.

Thread the connection cables on the back of the phone through the holes in the stand. Arranged in this way, the device always has a secure stand.

HOW TO USE NETWORK CONNECTIONS

The OpenScape Desk Phone provides a 1 Gb/s Ethernet switch and a USB port. An internal Ethernet switch connects the PC LAN port of the phone with the network LAN port to the PC.

This option for connecting the telephone and PC must be activated on the telephone by the administrator.

Using this connection option saves one network port for each switch used and allows shorter network cables to be used when arranged correctly.



1	USB port	2	PC LAN port
3	Network LAN port		

USING THE USB PORT

The USB type A port above the display can be used for connecting the following items:

- A USB headset, not included.
- A mobile ION handset (DECT), not included.
- The Wi-Fi USB dongle CP10 as a replacement for the LAN connection cable, not included.

A Wi-Fi network is required (see the Admin Guide for more information on how to set up the Wi-Fi connection).

Do not unplug the USB dongle during calls, as this disrupts the network connection.

About key modules

The OpenScape Desk Phone CP710 can be extended with key modules that provide additional programmable function keys.

The key modules are attached to the right side of the phone and must be connected to the socket on the underside (see "Ports on the underside of the phone" → page 44).

The following types of key module can be attached:

- KM410
- KM710

Up to four key modules can be simultaneously attached to the OpenScape Desk Phone CP710, but they must be of the same type: either KM410 or KM710, not both.

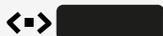
FUNCTION KEYS ON THE KEY MODULE

When you have pressed the corresponding function key on the key module, the status icon on the key changes, and possibly also the information shown on the display.

Key module KM710

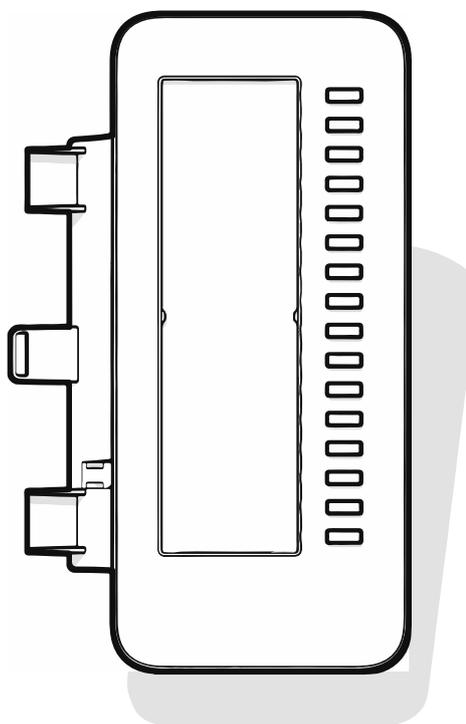
A function or selected dialling can be programmed on two levels (“normal” and “shifted”) that can be invoked by pressing the key  below the function keys, thereby doubling the functions that can be assigned to the key module (see “Programming the function keys” → page 88).

An icon at the bottom of the lower display indicates the current level by a solid left bar for normal level or a solid right bar for shifted level.



Use this key on the key module to switch between levels.

KEY MODULE KM410

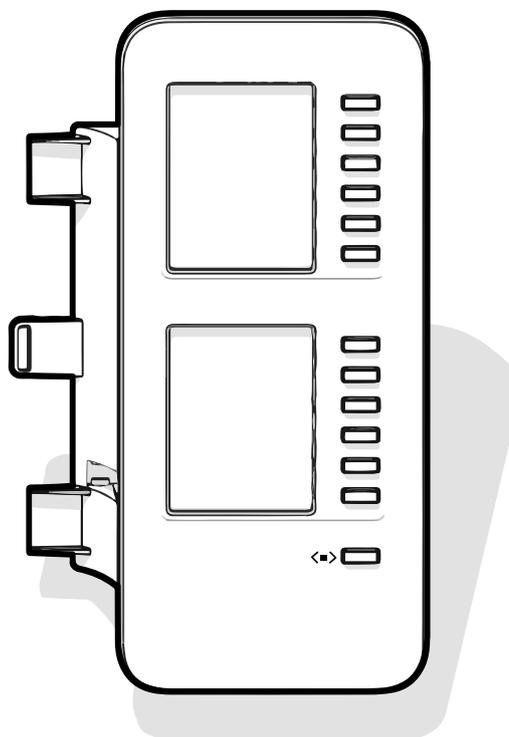


The KM410 is an optional key module attached and connected to the right side of the phone that provides an additional 16 illuminated and programmable function keys (see “Programmable function keys” → page 63).

The key module has a panel that can hold a hard paper label informing about the corresponding key assignments.

The status of a function is also shown by the LED on the corresponding key.

KEY MODULE KM710



The KM710 is an optional key module attached and connected to the right side of the phone that provides an additional 12 illuminated and programmable function keys at two levels, i.e. additional 24 functions (see "Programmable function keys" → page 63).

The key module has display lines, each of which is assigned to a key. The name of the function or a destination, an action icon, and a status icon are displayed.

The status of a function is also shown by the LED on the corresponding key.

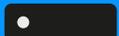
Key module label brightness

If you have connected a key module KM710, you can adjust the label brightness to suit your ambient lighting.



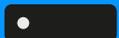
Press the key to open the main menu.

Service/Settings



Open "Service/Settings".

User settings

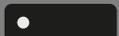


Open "User settings".



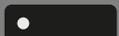
Enter and confirm the user password, if required.

Phone



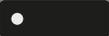
Select "Phone".

Display

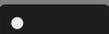
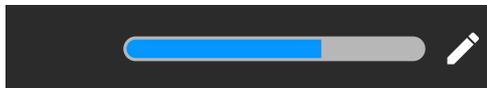


Select "Display".

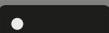
Key module bright-
ness



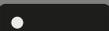
Select “Key module brightness”. The current setting is displayed.



Select “Edit”.



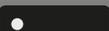
Use the function key to increase the value.



Use the function key to decrease the value.



- Optionally, use the keys on the dialpad.



Save the setting.

Updating the phone

The phone application (“software” or “firmware”) is regularly updated by the administrator to keep the safety and function of the software at the current level.

During a software update, the phone must not be disconnected from the power supply unit, the LAN line or the phone line.

An update process is indicated by messages on the display and by flashing LEDs.

Operating the OpenScape Desk Phone CP710

The following descriptions provide an overview of how to operate the phone.

Before operating, you should set up the user password to protect the phone against unauthorized use (see "Privacy and security" → page 167).

Conversations

A conversation represents a contact and your call history with this contact. If a contact has not been involved in a call, they have no call history.

New conversations are available for the following conversation types:

- A previously answered call
- An outgoing call
- A dialled call
- A missed call
- An Exchange entry following automatic synchronization
- An entry from a corporate directory if a new number was used (LDAP)
- Received contact information via Bluetooth



Conversations can also be imported as CSV via the WBM (see "Importing contacts via WBM" → page 183).

The call history of a conversation is updated when the phone has been involved in a call with the contact. The contact details may be updated to match their LDAP directory entry (if configured by admin).

04:22 PM		Fri, 22 Oct 2021		SiB-4989700123456	
 My Line ONLY MLPP ...811		History: Laura Davis			
 FPK option-2		30.10.21 – 03:39 AM		5 mins	
 FPK option-3 Away		09.10.21 – 19:13		1 mins 	
 Charlie Miller Available		08.09.21 – 12:15		104 mins 	
 FPK option-5 Break		01.09.21 – 10:19		0 mins	
 RECEPTION N...		21.08.21 – 03:00 PM		54 mins 	

The status of a conversation is displayed with an icon and text.

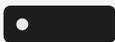
The list is ordered chronologically based on the last event. The latest entry appears at the top of the list. Active calls are displayed before the historical conversations.

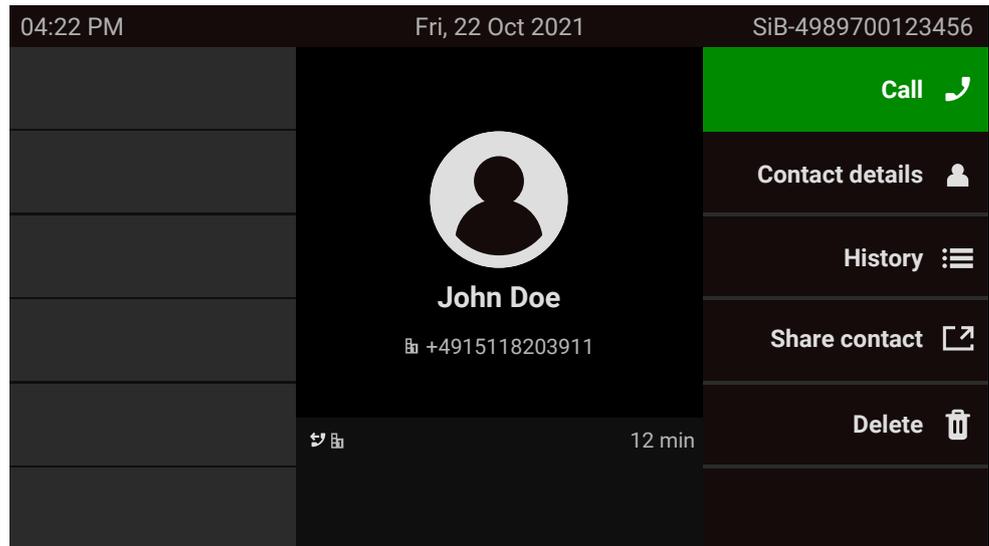
For the meaning of the various icons displayed on the screen, refer to "Icon overview" → page 34.

OPENING DETAILS OF A CONVERSATION OR CONDUCTING A CALL

You can open a selected conversation by one of the following methods:

- Using a navigation key
- Using the corresponding function key
- Using the navigation key for a selected conversation





Contact details

Select "Contact details". This displays the contact details for a conversation.

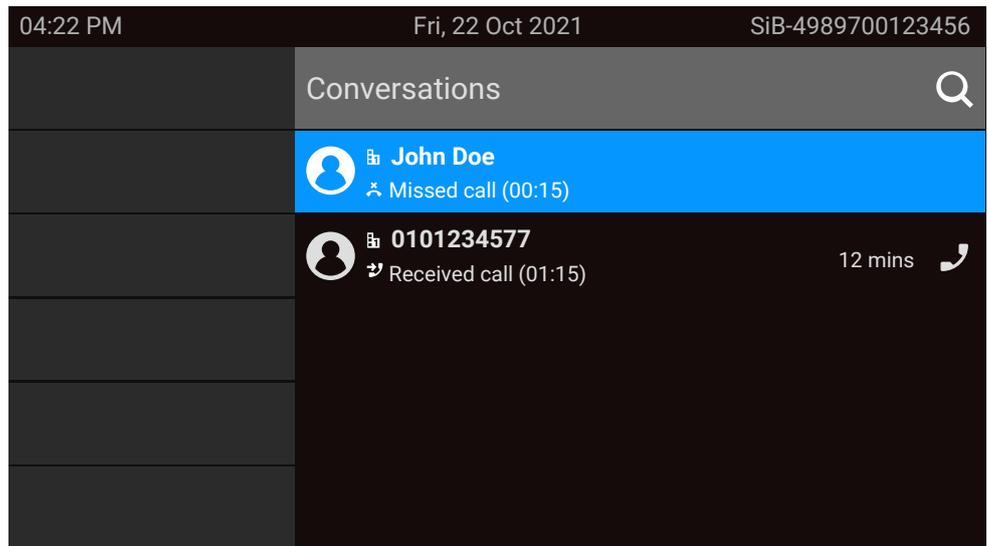
CREATING OR EDITING CONVERSATIONS

Conversations are created based on dialled or received calls. New contacts are synchronized with the phone when connected to the Microsoft® Exchange server.

When the LDAP has found a contact and you call that contact, this contact is transferred to conversations.

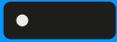
Example

You receive a call from a contact for whom a conversation does not yet exist in the list. When you have hung up again, this contact appears in your conversation list with the phone number only unless it was matched to an entry in the LDAP directory.



Open the details of the conversation using the navigation key.

Contact details



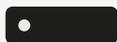
Select "Contact details".



Select the corresponding icon to open the edit mode. You can complete the following fields for a contact:

- Last name: Last name of the contact
- First name: First name of the contact
- Work x: Work phone number. Additional work phone numbers are displayed below the first entry.
- Mobile: Mobile phone number
- Home: Home phone number
- Company: The company the contact is working at
- Address x: 1: First address where the contact can be reached. Additional work addresses are displayed below the first entry.
- Role: Job title of the contact
- Email: Email address of the contact
- Avatar: Image of the contact

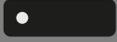
The avatar image must have been imported to the phone, either by an LDAP lookup or via WBM. The avatar field requires the name of the avatar file to be entered as text (see "[Managing avatar images](#)" → page 153).



Press the function key next to the input field to complete input.



Press the navigator key.

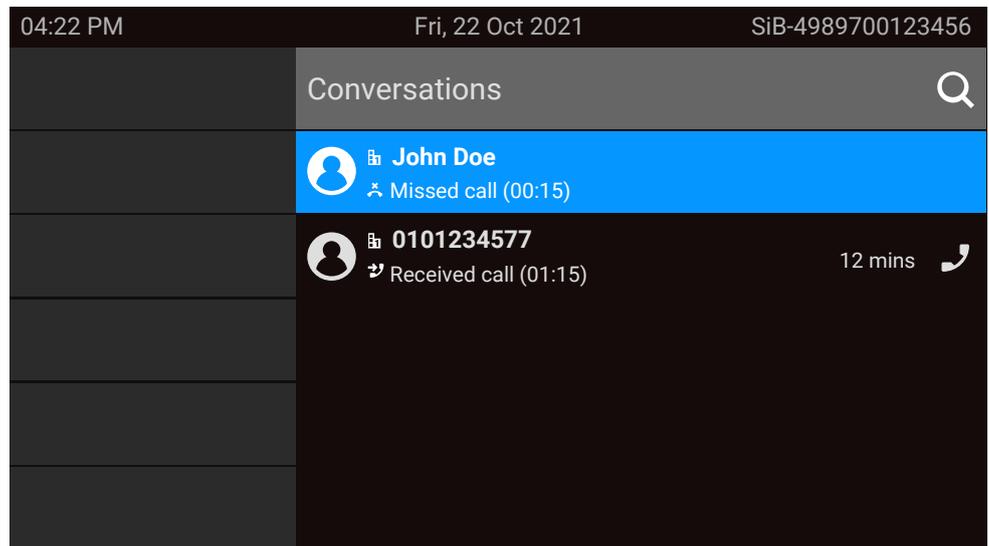


Save the setting.

You can add missing fields values also at a later time. The information is shown on the display the next time you call this contact.

Create a new contact from the conversation list

You can create a new contact from the conversation list with no previous history.



Scroll to the header row of the list “Conversations” using the navigation key.



Press the navigation key to access the list of conversation options.



In the “List options” select the option displayed. The new contact can be now created (refer to “Creating or editing conversations” → page 52).



Save the setting.

SEARCHING FOR CONVERSATIONS

You have a multiple options available for initiating a search for conversations. To call the contact for the conversation immediately and if you know the phone number you can do one of the following steps:



Lift the handset.



- Optionally, press the speaker key.



- Optionally, press the headset key.



To search in the conversations list, open an numeric input field by pressing the function key.



Enter the first digits of the phone number to see all phone numbers starting with the digits in the search box.

Use the key  to switch from numeric to alphanumeric input.

Press the function key next to a search result to call the contact.

Search for names (alphanumeric search string)

Searching for text strings (alphanumeric search) depends on the configuration of the LDAP. The LDAP is configured by the administrator to use common directories on the network.

LDAP is not configured

The phone searches in the local conversation list, e.g. for 'Am' and lists all conversations that contain the letter pairing 'am', such as "Ampere" or "Samara" chronologically.

LDAP is configured

If LDAP is configured, the search looks for LDAP entries with 'Am' in the last name by default. The phone finds all entries where 'Am' appears at the beginning, (e.g. 'Ampere', 'Ambos'), but not in other positions (e.g. 'Samara').

The results are shown below the local conversation matches and are sorted by first name in the local conversations list.

- **Advanced LDAP search**

From V2.R0.18.0 and onwards, if the SIP server type is set as "ZOOM" by your administrator, the phone supports searching for a sub-string match in multiple fields:

- Lastname, Firstname, Phone Number, Extension Number.

If the SIP server type is set as 'ZOOM', 'Phone number' replaces the 'Work 1' field and 'Extension' the 'Work 2' field.

The LDAP search uses a wildcard format (*<pattern>*), meaning entries with 'Am' anywhere in the field will appear (e.g. 'Samara').

Zoom LDAP does not support double quotes (" ") for exact matches.

- **Configuring the Advanced LDAP search from the Corporate menu**

The SIP server type is set to either "Ring Central" or "ZOOM".

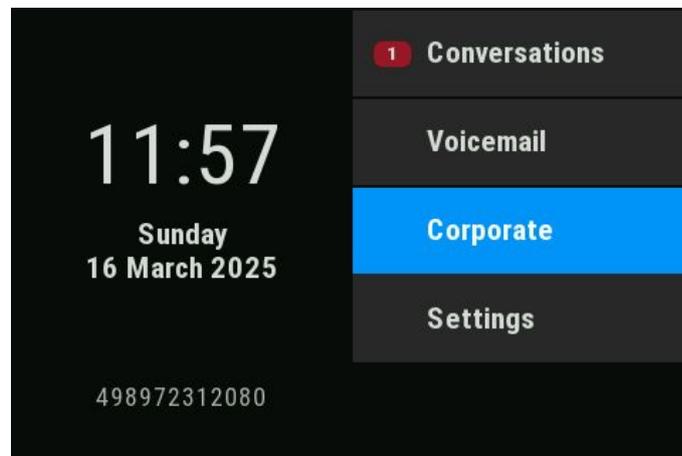
You can access corporate data via the main menu screen:

- When RingCentral API is set (Admin>Local functions>RingCentral API), you can access corporate entries via the **Directories** option in the main menu.

The **Directories** menu has two sub-options: **Personal** and **Corporate** entries.

When **Corporate** is selected, the screen displays corporate data entries.

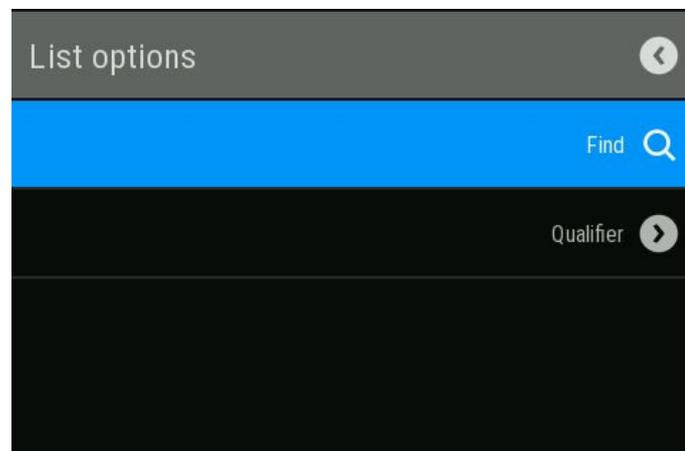
- When the SIP server type is set to Zoom, the **Corporate** menu option is displayed directly on the main screen (there are no submenus for Personal or Corporate entries).



The **Corporate** menu allows you to look up contacts in the LDAP directory. To display these options, select **Corporate** and click **OK**.

To display the **List options** menu, click the right arrow next to **Corporate**.

When accessing the **List Options** menu, you can look up contacts in the LDAP directory by choosing one of two main options: **Find** and **Qualifier**.



The **Find** list option allows you to search for a LDAP entry using its attributes.

The **Qualifier** option enables you to refine search queries by applying qualifiers such as:

- No qualifier
- Job function
- Address
- Email

Qualifier options depend on which fields are filled in the LDAP template. The example mentions **Job function**, **Address**, and **Email**, but additional options may be available if other LDAP template fields are specified.

Using special characters to control the search

Additionally to regular letters, you can use comma (,) and a hash (#) to control the search.

This function is not supported for the Zoom server.

A single comma (,) is used to separate the last name from the first name. A hash (#) is used to search for an exact match.

To use a comma (,) or a hash (#) as part of the search input text, you must use a double comma (,,) or a double hash (##).

Examples

Search input	Functionality
AMBER	Matches any entries where the last name starts with "amber"
AMBER,	Matches any entries where the last name is exactly "amber"
AMBER,,	Matches any entries where the last name starts with "amber,"
AMBER, P	Matches any entries where the last name is exactly "amber" and the first name starts with "p".

Search input	Functionality
AMBER,, PETER	Matches any entries where the last name starts with "amber, peter". The double comma is used to indicate that the comma character is part of the search input text.
AMBER, P,	Matches any entries where the last name is exactly "amber" and the first name starts with "p," (i.e. the 2nd comma is part of the search).
AMBER, PETER#	Matches only entries where the last name is exactly "amber" and the first name is exactly "peter".
AMBER P	Matches any entries where the last name starts with "amber p".
AMBER P#	Matches any entries where the last name is exactly "amber p".
AMBER P#A	Matches any entries where the last name is exactly "amber p". The "a" following the hash is ignored.
AMBER, PETER##2	Matches only entries where the last name is exactly "amber" and the first name starts with "peter#2". The double hash is used to indicate that the hash character is part of the search input text.

Order of conversations

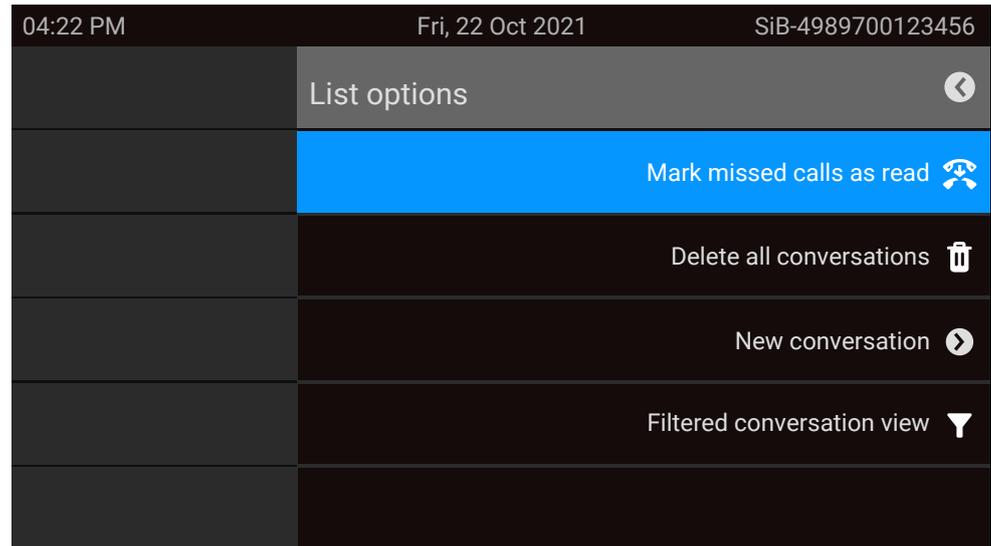
When entering search criteria, the local conversations are listed on top and ordered by their time stamp, the most recent ones are displayed on top.

The LDAP results are listed behind local conversations and are ordered alphabetically A to Z according to their conversation name.

"Alphabetical order" means A-Z ordering based on the first character in the name / names / topic of the conversation or contact. In the case of persons' names, the order is based on the first character of the first name or last name as displayed in the conversation list.

FILTERING CONVERSATIONS

When you want to filter conversations, it is possible to do so from the screen “List options”.



Press the function key. Initially, a specific filter is not applied, so all conversation list entries of any call type are displayed.

Pressing the function key displays a list with the following filter options:

- All - all conversation list entries of any call type
- Missed - list of all missed calls
- Received - list of all received and forwarded calls
- Dialed - list of all dialled calls
- Contacts - contacts with no associated call records
- Other calls - active call, voice mails and ignored pick-up

Keep pressing the function key to cycle through the options and stop pressing to select a filter.



To clear the filter press the navigation key.

DISPLAYING THE HISTORY OF A CONVERSATION

The latest call of a conversation is shown directly in the conversation list. The history of other calls can be viewed during a call in the details or also directly within the history option.

04:22 PM		Fri, 22 Oct 2021		SiB-4989700123456	
My Line ONLY MLPP ...811	History: Laura Davis				
FPK option-2	30.10.21 – 03:39 AM	5 mins			
FPK option-3 Away	09.10.21 – 19:13	1 mins			
Charlie Miller Available	08.09.21 – 12:15	104 mins			
FPK option-5 Break	01.09.21 – 10:19				
RECEPTION N...	21.08.21 – 03:00 PM	54 mins			



Select the conversation by scrolling through the list using the navigation keys.

Open the details of the conversation using the navigation key.

The most recent entries are shown below the name and number of the contact.

Press the function key to view a list of the last ten conversations.

A history entry may have additional information. To toggle between the normal and the additional information, press the adjacent function key.

DELETING CONVERSATIONS

If you misdialled or cancelled dialling prematurely, an entry will still be created in the conversations list. You can delete this entry. Entries for incoming calls that you no longer need can also be removed from the list.



Open the relevant entry using the navigation key.

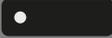
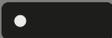
Press the function key to delete the entry. The entry is deleted immediately.

MARKING ALL CONVERSATIONS AS READ

You are able to mark all new missed calls in the conversation list as read in a single action.

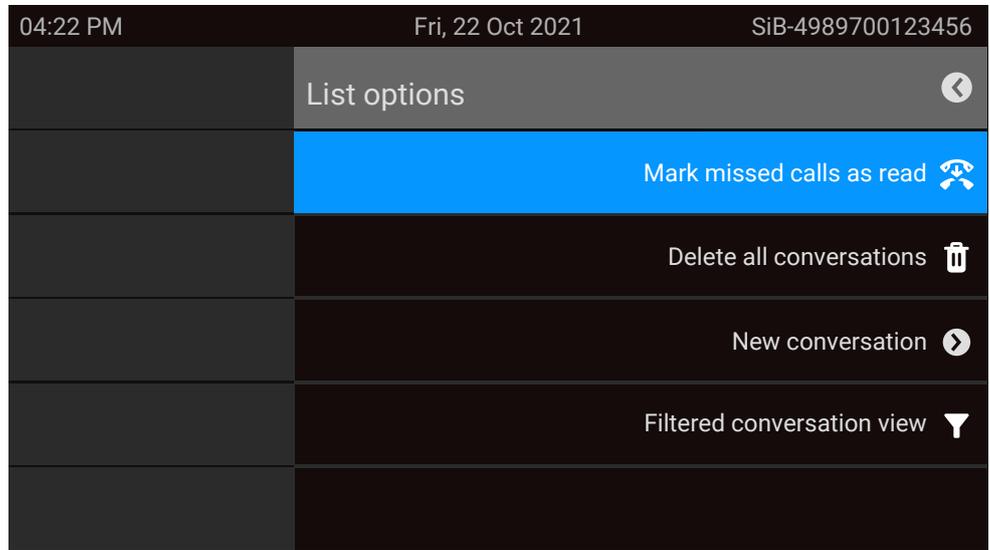
By this, all conversations with new missed call events will change to show normal missed call events and the missed call counter is reset to zero.

Select “Conversations”.





Press the navigation key to enter the list options.

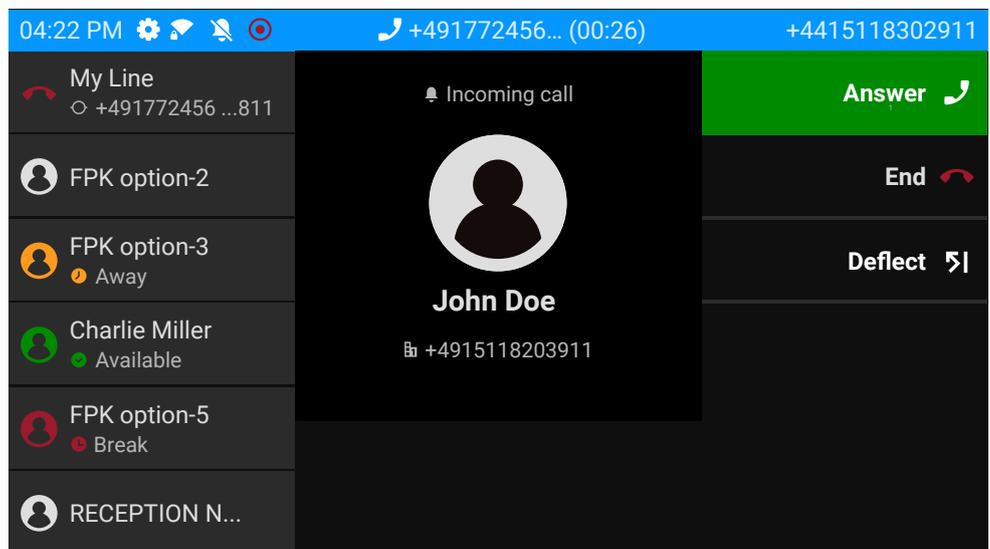


Select the option “Mark missed calls as read”. All missed calls are now marked as read.

Telephony interface

TELEPHONY VIEW

Incoming call



Your phone rings and the notification LED flashes. In addition to the common phone functions such as “Accept”, additional information and functions may be displayed.

Incoming call in multi-call scenarios

It is possible to have many incoming calls at the same time. The notification LED flashes and an alert is displayed for each call, based on their signalled priority. The alert is self-dismissed within 15 seconds unless another call appears; in this case the current alert is dismissed and replaced by the alert of the new call.

The alerting is never shown twice for the same call or while you are in the menu “Conversations”.

If accepted, the call is displayed as “Connected”.

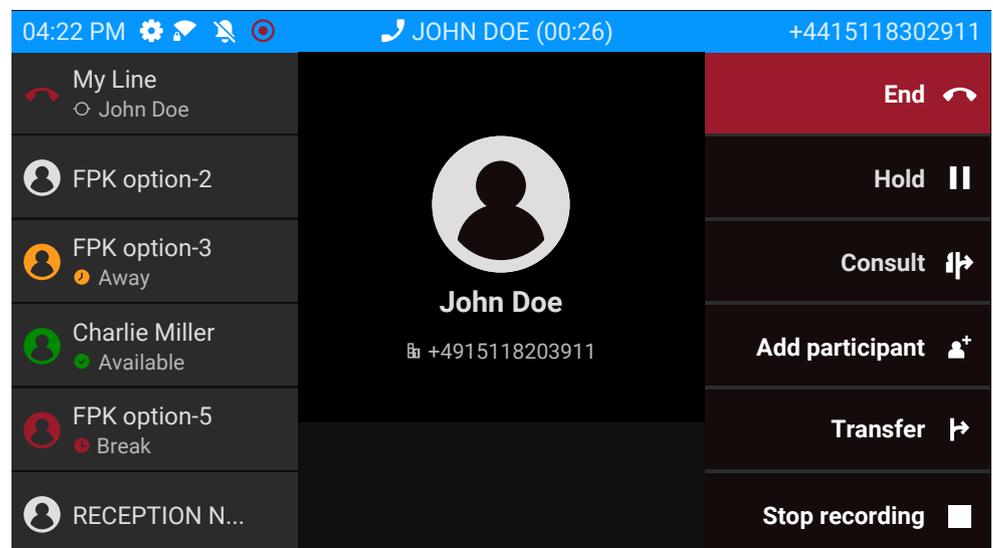
All other incoming calls including the one displayed as “Incoming call” are available only in “Conversations”.

If the alert is ignored, the phone returns to the currently active call or shows another incoming call, if available. You can still answer an ignored or waiting call either when the ongoing call ends or by selecting the call from the list.

Call handling is very limited when the phone is locked. The menu “Conversations” is not accessible and there is no alert. Only incoming calls with high priority are displayed.

When another call is signalled, and the priority indicator changes, the incoming call switches to the current high priority call.

When conducting a call



During a call, select any function key to perform the corresponding action such as transferring the call.

Switching to a different menu during a call



Use the key while on a call to switch to “Conversations”.

Programmable function keys

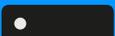
Programmable function keys are situated on the left of the display and in the “Favourites” or on an optionally connected key module (see “Programmable keys on the key module” → page 64).

PROGRAMMABLE KEYS IN THE MENU “FAVOURITES”

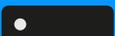
The menu “Favourites” comprises 12 programmable keys, to which functions and phone numbers can be assigned. The 6 first programmable keys are permanently displayed on the left panel. The other 6 programmable keys are available when the “Favourites” screen is displayed. Each programmable key can have 2 different functions.

Line or DSS keys may already be configured by the administrator.

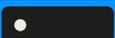
Programming a function key on the first level

Settings 

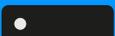
Open the “Settings” using the corresponding function key.

User settings 

Open the “User settings” using the corresponding function key.

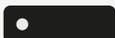
Phone 

Select “Phone” using the corresponding function key.

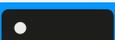
Program keys 

Select “Program keys” using the corresponding function key.

The function keys are numbered 1 to 6 starting from the top of the left panel and 7 to 12 starting at the top of the right panel in the Favourites screen.



Select the key you want to program by pressing the adjacent function key.

Select the entry.

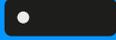


Use the navigation key to select an available function, e.g. "Call waiting".



Confirm the selection.

Label



To change the label displayed on the screen, select "Label" and change the name using alphanumeric input with the dialpad.

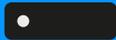


Save the setting.

Programming a function key on the second level

A key must be programmed as a "Shifted" function (or the keys of a key module may have been configured by the administrator to affect the keys on the phone).

Shifted



Select "Shifted" using the adjacent function key. Proceed by assigning a function and a label identical to configuring the keys on the first level (see "Programming a function key on the first level" → page 63).



Save the setting.



Exit by pressing the navigation key. The function is now configured and can be used by pressing the function key next to the label.

PROGRAMMABLE KEYS ON THE KEY MODULE

The key module has additional keys to which you can assign functions or numbers at two levels.



On the KM710, use the key on the key module to switch between the first and second level for the respective function.

When you have pressed the corresponding function key on the key module, the status LED colour on the key changes, and possibly also the information shown on the display (KM710).

The key module will return to the first level automatically after 15 seconds.

The administrator may have configured the switch action to affect all connected key modules and the keys on the phone.

You can increase the number of programmable function or selected dialling keys by connecting an additional key module.

Depending on how they are programmed, you can use the keys as:

- Function keys (see "Function keys on the key module" → page 46)
- "DSS" keys (see "Calling with a direct station select (DSS) key" → page 103)

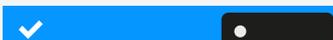
Line and direct station selection (DSS) keys can only be programmed by the administrator (see "Administrator settings" → page 69).

Program the function keys



Press and release the adjacent function key.

Long press the key again.



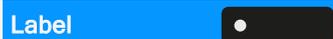
Select "OK".



Select "Normal" and select the desired function (see "Programmable keys in the menu "Favourites"" → page 63).



Confirm the selection.



To change the label displayed on the screen, select "Label" and change the name using alphanumeric input with the dialpad.



Confirm the selection. The function is now configured and can be used by pressing the function key next to the label.

Answering machine ("Voicemail")

If configured, the option "Voicemail" in the main menu allows you to connect to your mailbox system. The **MWI key**  also provides access to the mailbox system.

Depending on the type and configuration of the communications platform, messages from configured services are displayed.

If new messages are available, they will be displayed at the top position in the list of conversations and highlighted. The **MWI key** will be flashing .

Inline notification

Prerequisites

- The administrator has enabled rollover visual alerts and determined how rollover calls are to be signalled.
- The phone is active (or held) in a call on a different line.

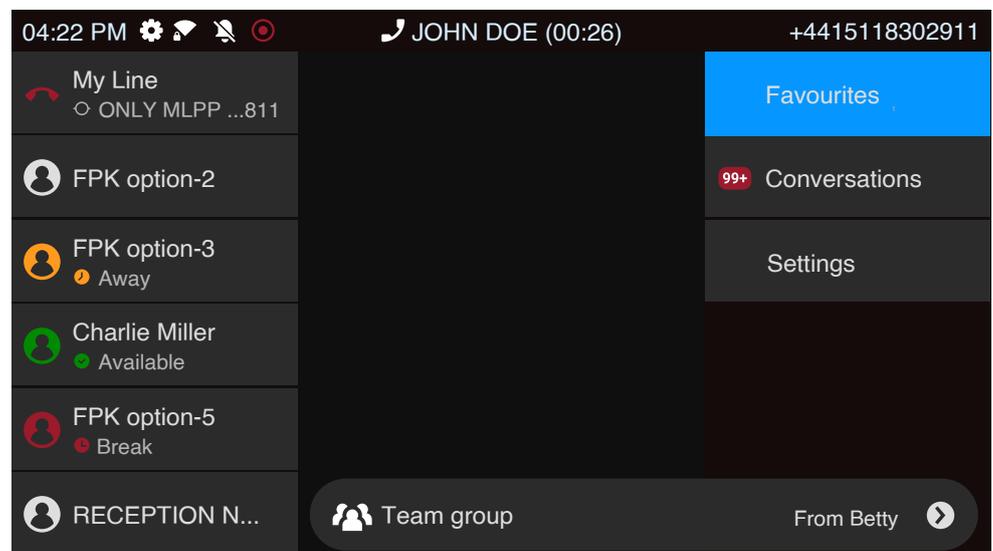
Inline notification can be activated for the following situations:

- **DSS calls:** Shown for an alerting DSS call (i.e. alerting the DSS monitored phone), even if a key module is plugged in or if the event is for the hidden favourite menu.
- **MultiLine calls:** Conditions for calls as stated above. Also for lines marked as no ring (the phone does not need to be busy). Shown even if a key module is plugged in or if the event is for the hidden favourite menu.
- **BLF and Group pickup:** Notification is not shown if a key module is plugged in or if an alert screen for “Group pickup” is shown.

To see more information about the incoming call, press the function key next to the notification to switch to favourites.

When the notification is shown even when the screen “Favourites” is not displayed, the function key can be used to dismiss the notification.

DISPLAY OF THE INLINE NOTIFICATION



An inline notification is shown in the following situations:

- On any screen except “Favourites” and editing screens. It is not shown when the phone is in the power saving state and locked.
- Whenever a “Group pickup” or BLF call is available to be picked up, provided the phone has not been configured for an on-screen alert.
- Whenever a DSS key is alerting.

SHORTENED INLINE NOTIFICATION

A shortened notification is shown for a screen with menus (e.g. main menu, call screen), i.e. when the full length notification would overlay a highlighted menu

option.

CANCELLING INLINE NOTIFICATION

The inline notification can be cancelled by pressing the function key adjacent to the notification. This will have one of the following consequences:

- Display the screen “Favourites”: If you visit the screen when an inline notification is displayed, the notification is cancelled, i.e. removed and not shown again until the next new notification event.
- If the notification is displayed when the screen “Favourites” is not available, or the key is not displayed in “Favourites”, the notification can be cancelled by pressing the corresponding function key.

Settings menu



Use the function key to open the main menu and then switch to the settings.

The menu comprises a configuration area both for user settings and for administrator settings.

Entering a user password

By default, a user password is not set and is not required to access the user settings on the phone. However, a user password is required to access the web interface (WBM) or lock the phone (see "Privacy and security" → page 167).

USER SETTINGS

Menu

You can adjust local settings for the phone using the menu “User settings”.

The menu structure consists of several levels.



You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).

Control switches

The menus may contain switches ( / ) for deactivating / activating functions.


















Example

Press the function key “Allow call waiting” to enable the function. The “switch”  is moved to the right.

- Alternatively, use the navigation keys to select the option and confirm with .

Save the setting.

Parameters

You can set values in some submenus.

Press the function key to open the parameter setting.

Press the function key for the desired parameter value. The setting is changed and you return to the previous menu.

Save the setting.

Adjusting a level

You can use menus with levels to adjust the volume or brightness, for example. An example of display brightness is given here.

Example for setting the display brightness level

Press the key to open the main menu.

Open “Service/Settings”.

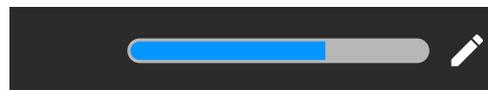
Open “User settings”.

Enter and confirm the user password, if required.

Select “Phone”.

Select “Display”.

Select “Brightness”.

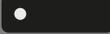


Select “Edit”.

Use the function key to increase the value.

Use the function key to decrease the value.

- Optionally, use the keys on the dialpad.



Save the setting.

ADMINISTRATOR SETTINGS

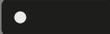
Refer to the administration manual for your phone for more information on this topic.

DLS security PIN

If the administrator has configured a DLS security PIN, the following pop up screen appears on your device.

A screenshot of a PIN input field. It is a white rectangular box with a blue border. The number '123' is displayed in white on a black background at the beginning of the field. A blue 'X' icon is located at the end of the field.

123



Enter the PIN.

Save the setting.

Configuring the phone default settings

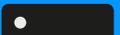
Adjusting the display brightness

You can adjust the brightness of the display to suit the ambient lighting.

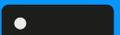
 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



Press the key to open the main menu.

Service/Settings 

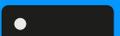
Open "Service/Settings".

User settings 

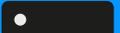
Open "User settings".



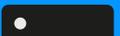
Enter and confirm the user password, if required.

Phone 

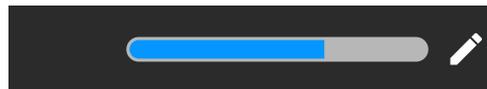
Select "Phone".

Display 

Select "Display".

Brightness 

Select "Brightness".



Select "Edit".

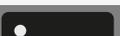
Use the function key to increase the value.

Use the function key to decrease the value.



- Optionally, use the keys on the dialpad.

Save the setting.

DSS / keyset indication

Every DSS key on your phone or on a connected key module has a LED indication to reflect the key status.

You can choose between two styles of the DSS / keyset indication: either the default “OpenStage style” style or the “CP style” (see “Meaning of LED displays for DSS keys” → page 138).

 You can also configure this setting via the web interface (see “Web interface (WBM)” → page 182).



Press the key to open the main menu.

Service/Settings

Open “Service/Settings”.

User settings

Open “User settings”.



Enter and confirm the user password, if required.

Phone

Select “Phone”.

Display

Select “Display”.

DSS/Keyset indication

Select “DSS/Keyset indication”. Select the desired style

- OpenStage style
- CP style



Save the setting.

Screen saver

Activate a screen saver for the phone’s idle state.

The administrator can set a time of between two and eight hours defining how long the phone should be idle before the display backlight is deactivated.

 You can also configure this setting via the web interface (see “Web interface (WBM)” → page 182).

ACTIVATING THE SCREEN SAVER

Prerequisite: The administrator has uploaded images to the phone or you have uploaded your own images.



Press the key to open the main menu.

Service/Settings

Open “Service/Settings”.

User settings

Open “User settings”.



Enter and confirm the user password, if required.

Phone

Select "Phone".

Inactivity

Select "Inactivity".

Screen type

Select "Screen type". The current setting is displayed. The following options are available:

- Menu screen: This option displays the default main menu screen after an idle period.
- Slideshow: This option displays the uploaded images as a continuous slide show. This is the default option.
- Time screen: This option displays a blank screen only displaying the current date and time of the phone.

Select the type of screen saver.

Save the setting.

UPLOADING IMAGES FOR THE SCREEN SAVER

To install your own images for the screen saver, you have to transfer the images using the web interface (see "Web interface (WBM)" → page 182).

1. Open the WEB interface and select "Slideshow images > Choose the image file you wish".
2. Search for suitable images on your computer or in the network and save your search results. You can upload several images in succession.

Your new images are displayed the next time you start the screen saver.

SETTING THE SCREEN SAVER ACTIVATION INTERVAL

Set how long the screen should be idle before the screen saver activates automatically.

 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



Enter and confirm the user password, if required.

Phone

Select "Phone".

Inactivity

Select "Inactivity".

Idle time (mins)

Select "Idle time (mins)". The current idle time is displayed.

Select an idle time interval. The following options are available (in minutes):

- 0 (i.e. deactivated)
- 1 (default)
- 5
- 10
- 20
- 30
- 60
- 120

Slide time (secs)

Select "Slide time (secs)". The current interval for each slide is displayed.

Select a slide time interval.

This option is only available when the screen saver has been set to "Slideshow" (see "Activating the screen saver" → page 71).

The following options are available (in seconds):

- 5
- 10
- 20
- 30
- 60

Save the setting.

Audio settings

SWITCHING TO A RINGER BEEP

You can turn the ringer off and select a short alert tone instead.



Hold down the key for three seconds until the notification and icon for "Ringer beep" is displayed.

PATTERN MELODY



You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).

Prerequisite: You have selected the ringer "Pattern".



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



Enter and confirm the user password, if required.

Audio

Select "Audio".

Settings

Select "Settings".

Pattern melody

Select "Pattern melody". The current melody is displayed.



Select a pattern melody. You will immediately hear the associated melody.



Save the setting.

PATTERN SEQUENCE



You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).

Prerequisite: You have selected the ringer "Pattern".



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



Enter and confirm the user password, if required.

Audio

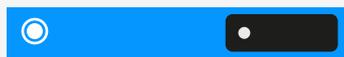
Select "Audio".

Settings

Select "Settings".

Pattern sequence

Select "Pattern sequence". The current pattern sequence is displayed.



Select a pattern sequence. You will immediately hear the associated melody and sequence.

Save the setting.

ROOM CHARACTER

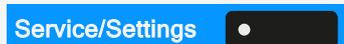
To ensure that the other party can hear you properly in speakerphone mode, you can adjust the phone to the room acoustics.



You can also configure this setting via the web interface (see "[Web interface \(WBM\)](#)" → page 182).



Press the key to open the main menu.



Open "Service/Settings".



Open "User settings".



Enter and confirm the user password, if required.



Select "Audio".



Select "Settings".



Select "Room character" and select one of the following options:

- Normal
- Echoing
- Muffled



Save the setting.

OPEN LISTENING MODE

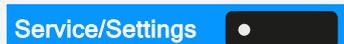
Select the mode that you prefer for open listening (see "[Switching from handset to speakerphone mode](#)" → page 111).



You can also configure this setting via the web interface (see "[Web interface \(WBM\)](#)" → page 182).



Press the key to open the main menu.



Open "Service/Settings".



Open "User settings".



Enter and confirm the user password, if required.



Select "Audio".



Select "Settings".



Select "Open listening". The following options are available:

- Standard mode
- US mode



Select the open listening mode. The current mode is displayed.



Save the setting.

SETTING THE HEADSET PORT USE

This setting defines if a headset or a conference unit is activated when pressing the headset key .

 You can also configure this setting via the web interface (see "[Web interface \(WBM\)](#)" → page 182).



Press the key to open the main menu.



Open "Service/Settings".



Open "User settings".



Enter and confirm the user password, if required.



Select "Audio".



Select "Settings".



Select "Headset socket". The following options are available:

- Wired headset
- Cordless headset
- Conference unit



Select an option.



Save the setting.

Settings for other headsets

Multiple headsets of different types (Bluetooth, USB or ION) can be connected to the phone at the same time. You can control the priority order by which the phone selects a headset type for use.

Prerequisite: You have entered the audio settings.

USB Headset



Select “USB Headset” (or any other headset option). The following options are available:

- Option No. 1, first configured option, e.g. a conference unit
- Option No. 2, second configured option, e.g. a USB headset
- Option No. 3, third configured option, e.g. a remote conference unit
- Disabled
- Active



Select the required priority.



Save the setting.

SPECIAL RINGERS

You can assign an individual ringer to incoming calls or events for identification of the type of call.

The administrator has activated the special ringers. Consult the administrator regarding the use of these ringers.

The user cannot change the ringer sound, pattern melody and pattern sequence for the emergency call type. This can be set only by an administrator. Emergency ringer is always played at maximum volume, regardless of ringer settings.



You can also configure this setting via the web interface (see “[Web interface \(WBM\)](#)” → page 182).



Press the key to open the main menu.

Service/Settings



Open “Service/Settings”.

User settings



Open “User settings”.



Enter and confirm the user password, if required.

Audio



Select “Audio”.

Special ringers



Select “Special ringers”. The following options are available:

- Internal
- External
- Recall (Callback)
- Special 1
- Special 2
- Special 3

Internal



Select an option, e.g. “Internal”.



Enable the selected option and configure the ringer, melody, and sequence for the selected option (see "Audio settings" → page 73).



Save the setting.



Hold down the key shown.

- A long press of this key will toggle the ringer on or off (a status bar icon is shown when the ringer is off).
- An extended long press (>2 sec.) can set the ring to be a beep instead of a continuous ring tone (a status bar icon is shown when the ringer is set to beep).

An information message pops up to indicate a change of the ringer.

ACTIVATING OR DEACTIVATING THE RINGER

You can see if the function is activated or deactivated from the corresponding icon  in the status bar.

TONE AND INDICATION WITH UNSECURED VOICE CONNECTION

Use this option to activate an alert tone that you hear when a secure voice connection with the party you are currently talking to ceases to be secure. The message "Nonsecure connection" is displayed.

Secure connection set-up is the preference set by the administrator.



You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



Press the key to open the main menu.



Open "Service/Settings".



Open "User settings".



Enter and confirm the user password, if required.



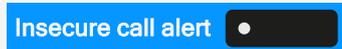
Select "Configuration".



Select "Connected calls".



Select "Immediate dialling".



Select "Insecure call alert".



Save the setting.

Presence

PRESENCE STATUS



Press the key. You can choose from the following options and set the duration.

	<ul style="list-style-type: none"> • Office <ul style="list-style-type: none"> ▪ Select variant <ul style="list-style-type: none"> • Office • CallMe 		
	<ul style="list-style-type: none"> • Meeting <ul style="list-style-type: none"> ▪ Meeting - Return after <ul style="list-style-type: none"> • 30 minutes • 1 hour • 2 hours • All day 		<ul style="list-style-type: none"> • Sick <ul style="list-style-type: none"> ▪ Sick - Return after <ul style="list-style-type: none"> • All day • 2 days • 3 days • 1 week
	<ul style="list-style-type: none"> • Break <ul style="list-style-type: none"> ▪ Break - Return after <ul style="list-style-type: none"> • 10 minutes • 15 minutes • 20 minutes • 30 minutes 		<ul style="list-style-type: none"> • Out of office <ul style="list-style-type: none"> ▪ Out of office - Return after <ul style="list-style-type: none"> • 30 minutes • 45 minutes • 1 hour • All day
	<ul style="list-style-type: none"> • Holiday <ul style="list-style-type: none"> ▪ Holiday - Return after <ul style="list-style-type: none"> • All day • 1 week • 2 weeks • 3 weeks 		<ul style="list-style-type: none"> • Lunch <ul style="list-style-type: none"> ▪ Lunch - Return after <ul style="list-style-type: none"> • 20 minutes • 30 minutes • 1 hour • 45 minutes

	<ul style="list-style-type: none"> • At home <ul style="list-style-type: none"> ▪ At home - Return after <ul style="list-style-type: none"> • All day • 2 days • 3 days • 4 days 		<ul style="list-style-type: none"> • Do not disturb <ul style="list-style-type: none"> ▪ Do not disturb - Return after <ul style="list-style-type: none"> • 30 minutes • 1 hour • 2 hours • 4 hours
---	--	---	---

If the status “Presence” is set to one of the following status, callers are redirected to a media server:

- At home
- Holiday
- Sick
- Do not disturb

Depending on the status, a caller will receive a message with the reason for and duration of absence and will be offered the option to leave a message.

With one of the following status, there is no redirection and the caller will not receive a message:

- Meeting
- Lunch
- Out of office
- Break

SWITCHING OFF STATUS “AWAY”

Delete your absence status and, if necessary, forward to the media server by setting the status “Presence” in the menu to “Office” or, if needed, by switching off forwarding.



Office

Press the key.

Select “Office”. The setting is displayed. The Presence symbol in the status bar changes accordingly. The status in "MyPortal" is also adjusted and a forwarding function to the media server is enabled.



Press the key to open the main menu.

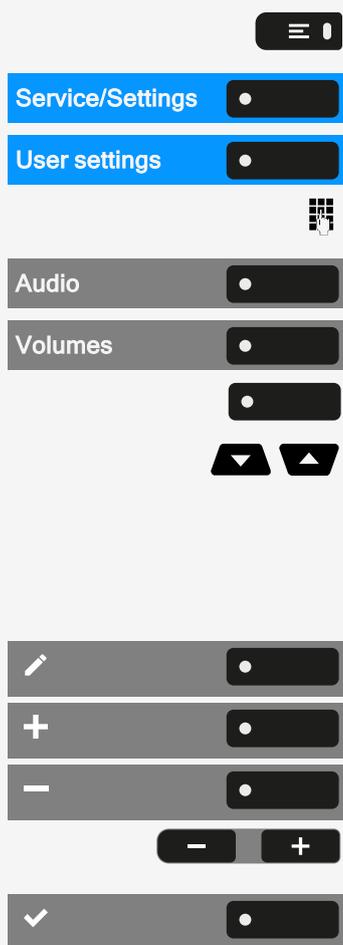
Forwarding Off

Select “Forwarding Off”.

Adjusting the default volumes

You can configure different default volumes for the following audio output:

- Loudspeaker
- Ringer
- Handset
- Headset
- Handsfree
- Rollover
- Alert beep
- Call waiting tone



Press the key to open the main menu.

Open “Service/Settings”.

Open “User settings”.

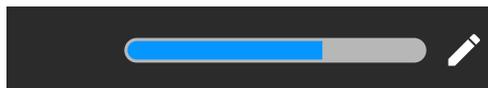
Enter and confirm the user password, if required.

Select “Audio”.

Select “Volumes”. The settings for the various volumes are displayed.

Select the audio setting.

Use the navigation keys to scroll, if required.



Select “Edit”.

Use the function key to increase the value.

Use the function key to decrease the value.

- Optionally, use the keys on the dialpad.

Save the setting.

Adjusting the key clicking sound

You can select here whether a tone should be heard when a key is pressed. You can also decide whether this should apply for all keys or only those on the keypad. In addition, you can adjust the tone volume or disable the tone.

 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).

Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



Enter and confirm the user password, if required.

Phone

Select "Phone".

Key click

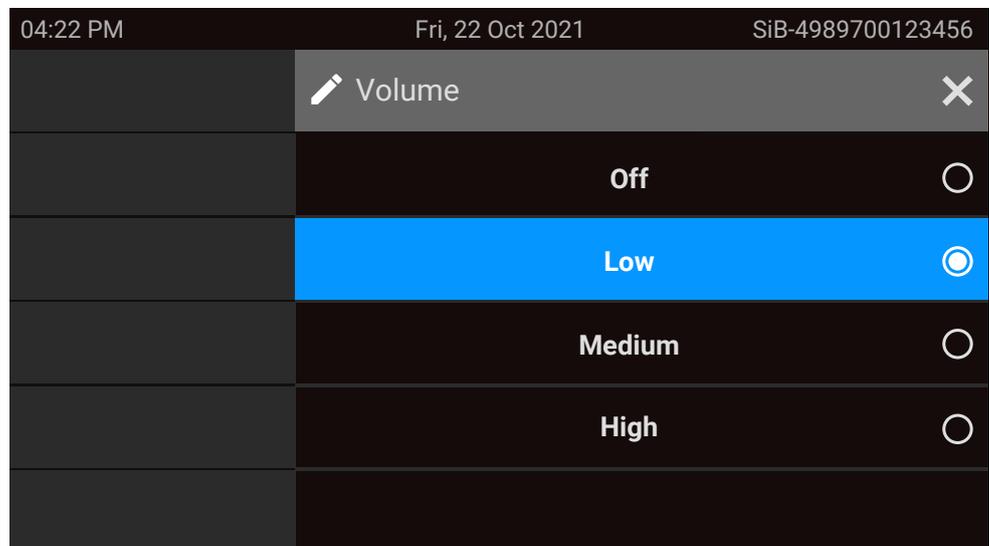
Select "Key click".

Volume

Select "Volume".

Adjusting the volume

Select "Volume".



Select the default setting using the adjacent function key. You can choose between the following options:

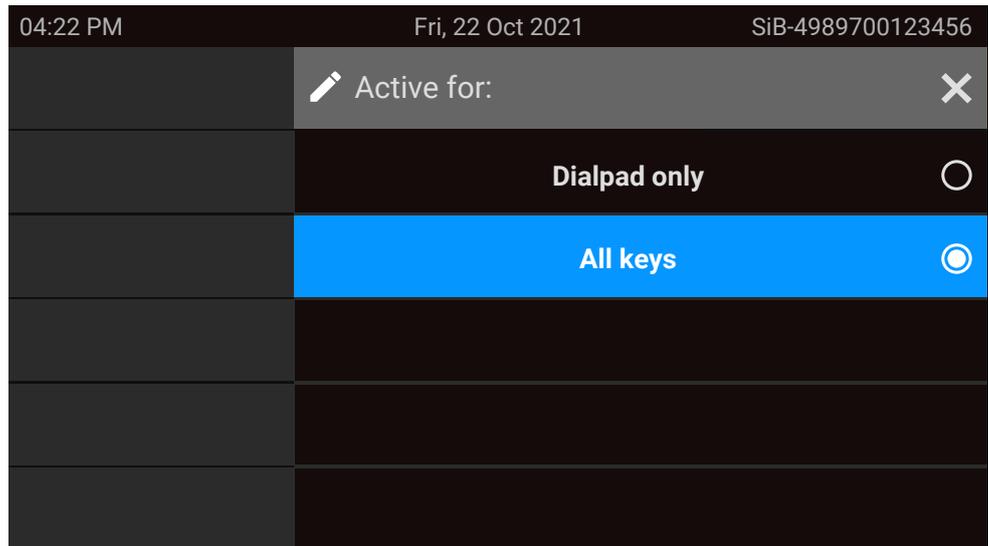
- Off (no clicking sound)
- Low
- Medium
- High

Save the setting.

Setting the key click scope

Select "Active for:".

Active for:



Select the scope for the key clicking sound:

- Dialpad only
- All keys



Save the setting.

Call settings

CALL WAITING

You can determine whether or not you would like to accept second calls (call waiting) during a conversation.

If your phone belongs to an ONS group, in addition to triggering an alert tone on the engaged telephone, the second call is also signalled with a ring tone on the other phones in the ONS group.

Via a permanently displayed programmable key in the left panel or from a connected key module

Prerequisite: The key “Camp-on” is configured in the left panel or on a connected key module.



Select “Camp-on” in the left panel or on the key module.

Via “Favourites”

Prerequisite: The key “Camp-on” is configured in “Favourites”.

Select the key to open the main menu.

Select “Favourites”.

Select “Camp-on”.

Via the Service menu

Press the key to open the main menu.

Open “Service/Settings”.

Open “User settings”.

Enter and confirm the user password, if required.

Select “Feature settings”.

Select “Camp-on”.

Enable or disable the second call feature.

ALLOWING CALL WAITING

If the call waiting (second call) function is deactivated, a caller hears the busy signal if you are already conducting a call.

The option was programmed by your administrator.

 You can also configure this setting via the web interface (see “Web interface (WBM)” → page 182).

Press the key to open the main menu.

Open “Service/Settings”.

Open “User settings”.

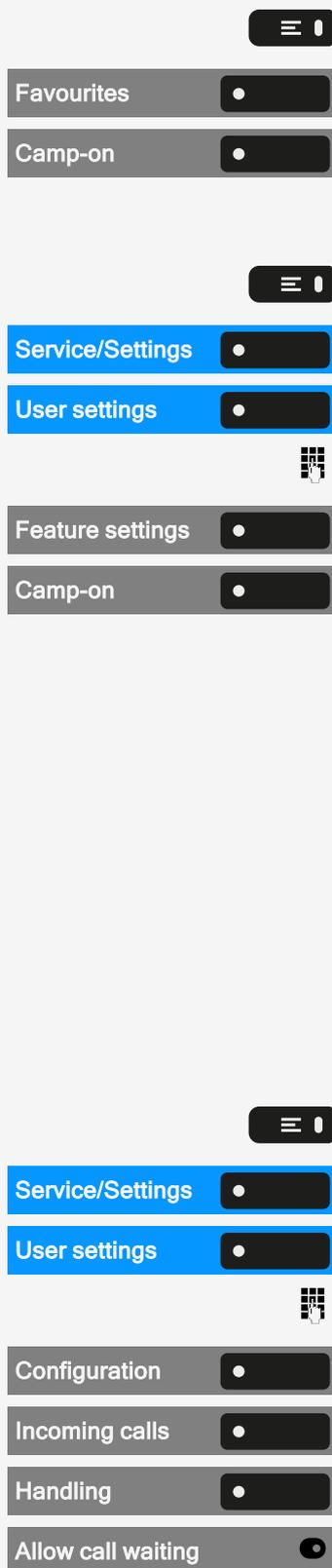
Enter and confirm the user password, if required.

Select “Configuration”.

Select “Incoming calls”.

Select “Handling”.

Enable or disable “Allow call waiting”.



Save the setting.

Assuming “Call waiting” is enabled, you can toggle a configured function key to switch call waiting on or off.

CENTRAL SPEED DIAL NUMBERS

Speed dial numbers are set up by the administrator.

- Speed dial numbers are stored in the system.
- The central speed dial directory can be obtained, e.g. in printed format, from the administrator.

SPEED DIAL WITH EXTENSION

Speed dial numbers with sequences are set up by the administrator.

Functions including the dialling number and further access codes can be saved to a speed dial number.

Since the number of characters for a speed dial entry is limited, speed dial numbers (up to 10) can also be linked together in order to handle longer sequences.

Example

When you leave the office, you want to block your telephone and simultaneously activate call forwarding. Both of these actions can be stored as a sequence using a speed dial number.

Likewise, in order to unlock the phone and cancel the call forwarding, a speed dial number can be stored.

INDIVIDUAL SPEED DIAL NUMBERS

This function must be set up by the administrator.

The keys **0 +** to can be assigned to 10 frequently used phone **9 wxyz** numbers.

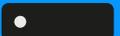
Press the key to open the main menu.

Open “Service/Settings”.

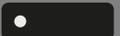
Open “User settings”.

Select “Destination”.



Service/Settings 

User settings 

Destination 



Select "Speed dial".

Press the required line key.

Enter the destination number.

Save the setting.

Connecting to OpenScape UC

 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).

Press the key to open the main menu.



Open "Service/Settings".



Open "User settings".

Enter and confirm the user password, if required.



Select "Configuration".

Use the navigation keys to scroll, if required.



Select "OpenScape UC".

Enter the required login information.

Save the setting.

The phone will login using the given user credentials. If the data is incomplete, the phone will not login at all.

If you experience difficulties with the OpenScape UC configuration, contact the administrator.

Switching night answer on

In night answer mode, for example, during lunch breaks or after office hours, all external calls are forwarded to a particular internal telephone (night station). The night station can be defined by the relevant service engineer (= standard night answer) or by you (= temporary night answer).

Press the key to open the main menu.



Open "Service/Settings".

Service menu

Select "Service menu".

Feature settings

Select "Feature settings".

Activating

Night answer on

Select "Night answer on".

✓

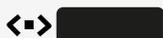
Save the setting.

Programming the function keys

The phone features a range of functions that can be attributed to the programmable function keys. The phone comes with programmable keys that can be programmed on two separate levels.

After programming a function key, a “label” must be assigned to each corresponding function.

This feature must be activated using the administrator access via the local phone or the WBM.



You can assign the “Shift” function to one of these keys to be able to switch between the two key levels or by pressing this key on the key module.

- The keys are preassigned in the as-delivered state (see "Programmable function keys on the phone" → page 26).
- The keys can also be programmed via the WBM interface (see "Web interface (WBM)" → page 182).

About programming a key

A programmable key (function key) can be programmed in the following ways:

- Directly via a long press on the respective function key. Permanent keys and key module keys are immediately available.
- Via the screen “Favourites” (if a key module is not attached).
- All function keys can also be programmed by Web Based Management (WBM).
- Optionally, the function keys are programmed via the “Settings”.

The selection of available functions depends on the configuration. Ask the administrator when you are missing a function.

LIST OF AVAILABLE FUNCTIONS

Unallocated	Conference
Selected dialling	Do not disturb
Redial	Group pickup
Forward all calls	Repertory dial

Forward no reply	Line
Forward busy	Feature toggle ¹
CF unconditional - any	Mobility
CF no reply - any ¹	Directed pickup
CF busy - any ¹	Release
CF unconditional - ext. ¹	Callback ²
CF unconditional - int. ¹	Cancel callbacks ²
CF no reply - ext. ¹	Consult
CF no reply - int. ¹	DSS
CF busy - ext. ¹	Call waiting
CF busy - int. ¹	Immediate ring ²
Ringer off	Start recording ²
Hold	AICS ZIP tone
Alternate	Server feature
Blind transfer call	BLF
Transfer call	Send URL
Deflect	2nd alert

1) The feature is not available on an OpenScape 4000 phone system.

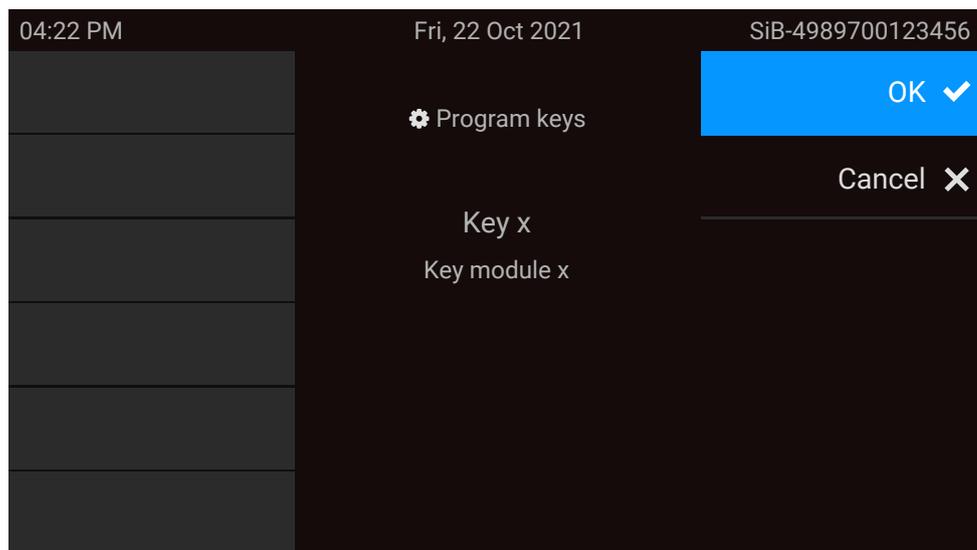
2) This function may be available only if supported by the SIP server.

Programming a key

Via the function key



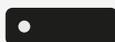
Hold down the function key in the left panel, in the menu “Favourites” or on a connected key module until the key programming menu is displayed.



Select "OK".

If the prompt is not displayed or a programmed function is not executed, you can launch key programming via the user menu (consult your administrator about the current setting).

Select the level and assign the options as well as the corresponding label (see "Labelling function keys" → page 91).



Select the function.

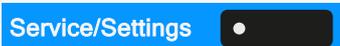


Save the setting.

Via "Settings"



Press the key to open the main menu.



Open "Service/Settings".



Open "User settings".



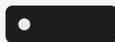
Enter and confirm the user password, if required.



Select "Phone".



Select "Program keys".



- If a key module is connected, press the function key you want to program. The key LED on the key module lights up constantly.
- If no key module is connected, the screen "Favourites" is displayed.



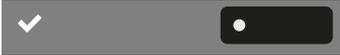
Select "OK"

Select the level and assign the options as well as the corresponding label (see "Labelling function keys" → page 91).



Select the function (see "List of available functions" → page 88).

A default label name is attached automatically. To change the label, see "Labelling function keys" → page 91.



Save the setting.

Labelling function keys

When programming a function key, the default label is used for the function, e.g. "Redial". This label is displayed on the screen next to the function key. However, the label can be changed according to your requirements at any time.



Press the key to open the main menu.



Open "Service/Settings".



Open "User settings".



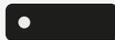
Enter and confirm the user password, if required.



Select "Phone".



Select "Program keys".



Press the function key you want to relabel. The key LED lights up constantly.



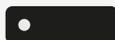
Select "OK".



Select "Label".



Enter the label text.



Press the function key to conclude input.

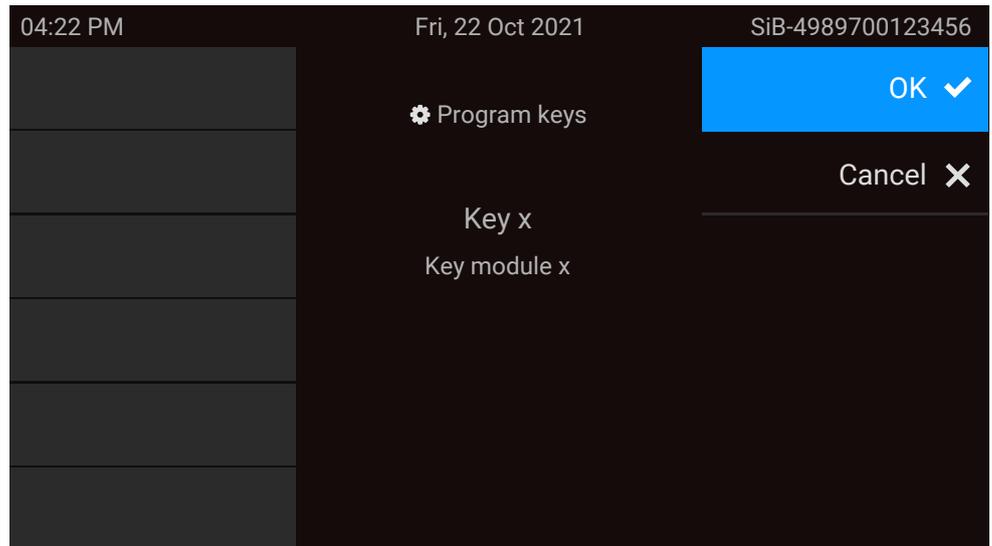


Save the setting.



Setting up a selected dialling key

Hold down the function key in the left panel, in the menu "Favourites" or on a connected key module until the key programming menu is displayed.



OK

Edit selected dialling

Number



✓

Select “OK”.

Select “Edit selected dialling”.

Select “Number”.

Enter the phone number and confirm.

Save the setting.

Resetting all assigned functions to keys

You can reset all keys you configured back to factory settings (see also "Resetting user data" → page 181).

Press the key to open the main menu.

Service/Settings

User settings



Reset

Reset selected user data

Open “Service/Settings”.

Open “User settings”.

Enter and confirm the user password, if required.

Select “Reset”.

Activate or deactivate the setting for “Key programming” to be included in or excluded from the reset. If included, all function key settings are reset.

Select “Reset selected user data” to **immediately** reset all function keys (if enabled previously).

Keys that can only be configured by the administrator are not reset.



Select "Reset all user data" to reset all user settings.

Programming local features

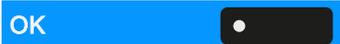
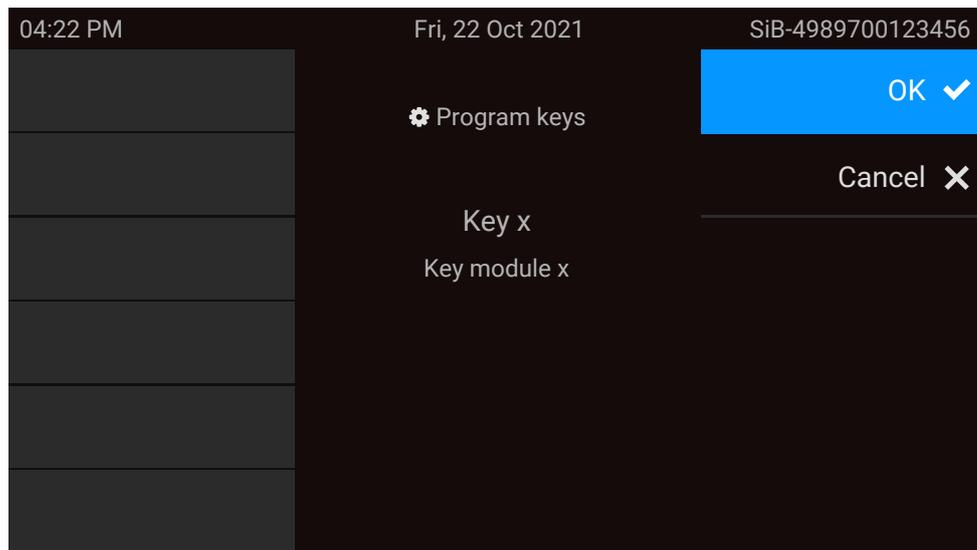
You can program local feature keys only if the function "Local application" is configured by the administrator.

HOW TO PROGRAM A LOCAL FEATURE

Example: "Door opener" set up



Hold down the function key in the left panel, in the menu "Favourites" or on a connected key module until the key programming menu is displayed.



Select "OK".



Select "Normal" (or "Shifted" if the function is triggered on the second-level key).



Select "Favourites".

Press and hold the function key to be programmed.



Select "Assign local feature".



Select "Door opener".

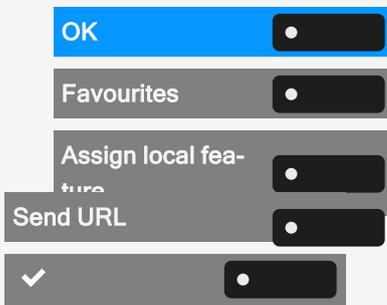
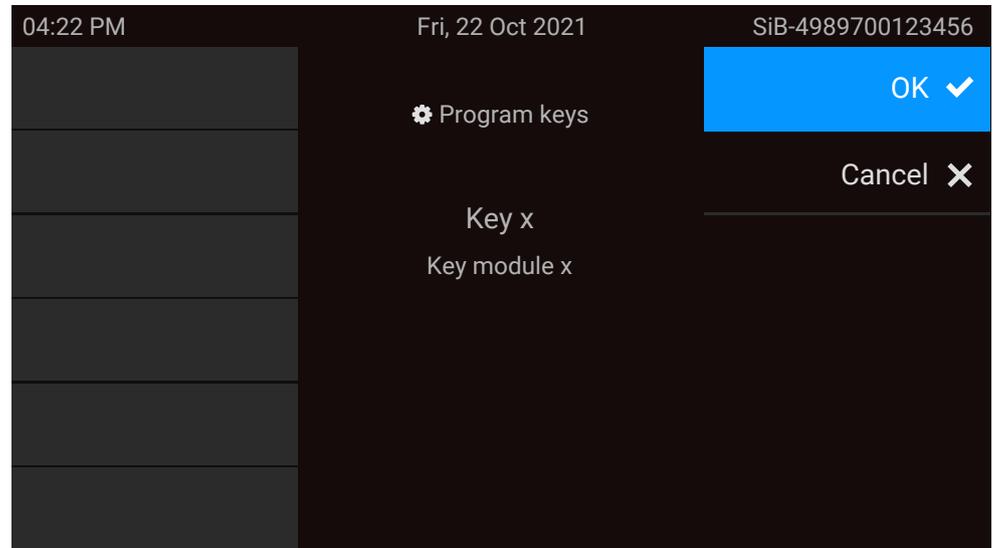


Save the setting.

HOW TO PROGRAM A FUNCTION KEY WITH “SEND URL”

Configuration

Hold down the function key in the left panel, in the menu “Favourites” or on a connected key module until the key programming menu is displayed.



Select “OK”.

Select “Favourites”. Press and hold the function key to be programmed.

Select “Assign local feature”.

Select “Send URL”. The key is programmed.

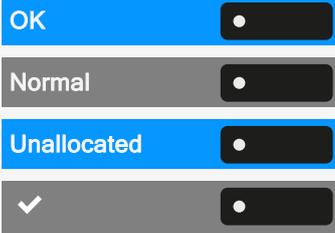
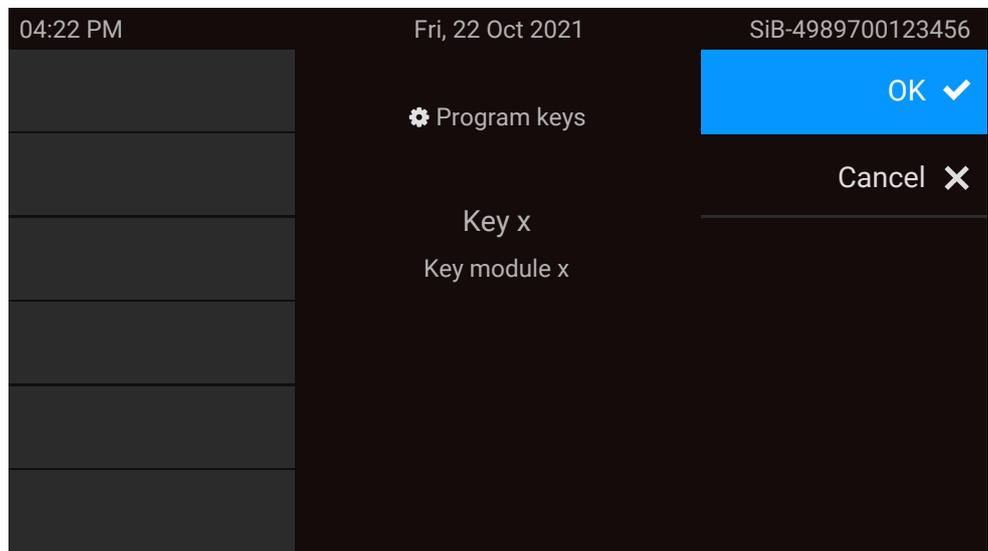
Save the setting.

Activation

- After the key is programmed, the LED lights amber to indicate that the key is busy, so another key press in that state will have no action.
- After successful HTTP response from the web server, the LED lights green for 3 seconds and a success notification appears. You can now control remote server actions from your phone.
- After unsuccessful HTTP response from the web server, the LED lights red for 3 seconds and a failure notification appears.

DELETING AN ASSIGNED FUNCTION FROM A KEY

Hold down the function key in the left panel, in the menu “Favourites” or on a connected key module until the key programming menu is displayed.



Select “OK”.

Select “Normal” (or select “Shifted” if the assigned function is on the second level).

Select “Unallocated”.

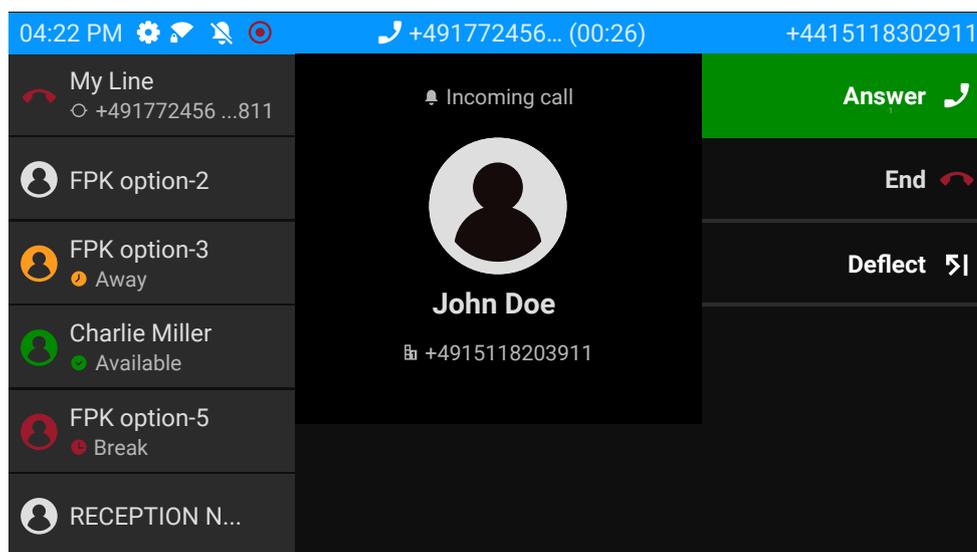
Save the setting.

The function assigned to the key and the corresponding label are deleted.

Making calls

Incoming calls

The phone rings if the ringtone is active. The notification LED also flashes. The calling party information (e.g. name, phone number) is displayed in the status bar and in the information section on the central part of the display.



Any settings currently made on the phone are interrupted by an incoming call.



Use the key “Settings” at any time to return to the point in the menu structure where you were interrupted, unless the time interval for the password has expired.

ANSWERING A CALL VIA THE HANDSET

The phone rings. The caller is displayed. The notification LED flashes.



Lift the handset.



Adjust the call volume, if necessary (see "Volume" → page 28).

ANSWERING A CALL VIA THE LOUDSPEAKER (SPEAKERPHONE MODE)

The phone rings. The caller is displayed. The notification LED flashes.



- Select "Answer".
- Optionally, select the key shown.



The key lights up . The speakerphone function is activated.



Adjust the call volume, if necessary (see "Volume" → page 28).

Suggestions for using the speakerphone mode

Adjust the call volume while speakerphone mode is active.

The ideal distance between the user and the phone in speakerphone mode is 50 cm.

ANSWERING A CALL VIA THE HEADSET

Prerequisite: A headset is connected and set up correctly (see "Setting the headset port use" → page 76).

Answering calls via the headset key

The phone rings. The caller is displayed. The LED on the key  flashes.



Press the key shown. The key lights up.



Adjust the call volume, if necessary (see "Volume" → page 28).

Answering calls automatically via the headset

Prerequisite: The administrator has additionally configured a function key with the function "AICS ZIP tone" (see "Programming the function keys" → page 88).

- Press the function key to activate automatic call answering mode. The key LED and the headset key illuminate.
- Optionally, press "Settings".






Select "Favourites".

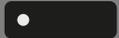
Use the navigation keys to scroll, if required.



Select "Auto Headset" to activate automatic call answering mode. The key LED and the headset key illuminate.

When there is an incoming call a short acoustic signal is heard on the headset for a call and the connection is established.

Auto Headset



To deactivate the automatic headset answering function, press “Auto Headset”. The LEDs of the function and the headset keys are off.

ANSWERING A CALL WITH THE DSS KEY

Prerequisite: You have configured a DSS key on your phone, for example a key with label “DSS X”. For more information, see .

The phone rings.

Press the corresponding DSS key. The LED  lights up. You can speak hands-free.

- Optionally, lift the handset and set the volume, if required.

ACCEPTING CALLS FOR A MEMBER OF THE TEAM

You can pick up calls for other members in your team (“Call pickup group”) also during a call.

The text “Call for” is displayed on the screen along with the phone number or name of the called party. If a team member does not take the call within 15 seconds (depending on the set-up), you will also hear an alert tone.

Prerequisite: The pick-up key is configured in the left panel, in the “Favourites” or on a connected key module.

In idle mode

Select “Pickup”. You have picked up the call.

- Optionally, press the speakerphone key. The LED is lit. You can speak hands-free.
- Optionally, lift the handset.

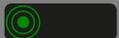
During the call

Press the flashing “Pickup” key. The first call is on hold while you are connected to the second call.

Ending the second call and returning to the first

Press “Set free” to disconnect.

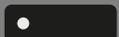
Pickup



Pickup



Set free



SELECTIVELY PICKING UP A CALL

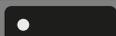
The direct call pick-up key must be configured by the administrator.

Prerequisite: You hear another phone ringing, whose number you know, or a colleague invites you to take over a call on a particular phone.



Lift the handset.

Speaker call



Select "Speaker call".



Enter the telephone number on which you wish to take over the call. You can then accept the call.

Display called extension

When the call number is not shown in a call pick-up group in which you want to take over a call (display is deactivated by default for pick-up group), you can enter the code for "Display on request" after picking up the phone.



Lift the handset.



Enter the system code for "Display on request".

Once you have entered the code, the phone number is displayed.

ADDRESSED VIA SPEAKERPHONE (DIRECT SPEAKING)

You are being spoken to directly by a colleague over speakerphone. Hands-free and open listening are automatically activated.



The speaker key light up. Answering in hands-free mode is immediately possible.



Lift handset and answer.

SWITCH MICROPHONE ON / OFF



To prevent the other party from listening in while you consult e.g. with someone in your office, you can temporarily switch off the handset microphone or the hands-free microphone.

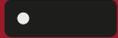
ENDING A CALL



Press the illuminated key. The key is no longer lit.



End



- Optionally, press the illuminated key. The key is no longer lit.
- Optionally, hang up the handset.
- Optionally, select “End”.

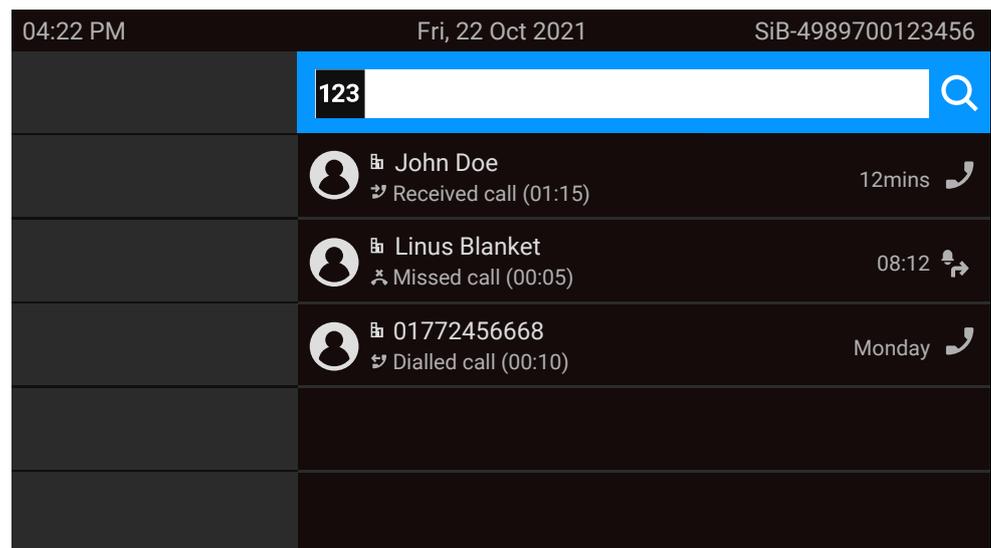
After the call has ended (either by you or the remote party), end of call notification with duration of the call will be shown in “Conversations”.

Dialling / Calling

DIALLING WITH HANDSET OFF THE HOOK



Lift the handset.

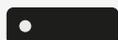


The input field in “Conversations” is opened in numeric mode.

- Internal: Enter the phone number.
- External: Enter external code and phone number.



OK



Confirm when the complete number has been entered.

- Optionally, select a contact from the list of previous calls and press the corresponding function key.

DIAL WITH THE HANDSET ON HOOK

The connection is set up with on-hook dialling via a connected headset or via the loudspeaker (speakerphone mode). The line is seized before dialling.



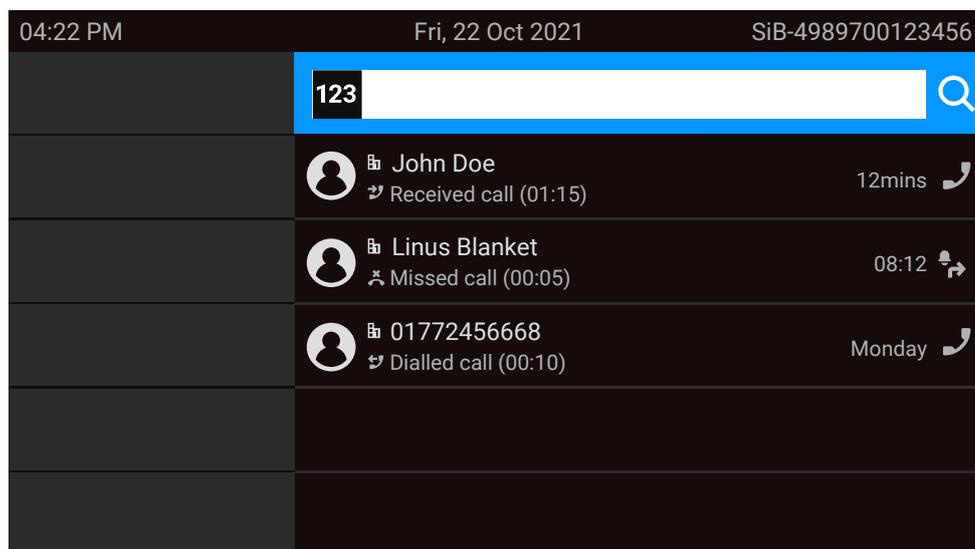
Enter phone number via the dialpad without lifting the handset and confirm when finished.



Press the key if a headset is connected.



- Optionally, press the speakerphone key.



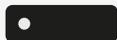
The input field in “Conversations” is opened in numeric mode.



- Internal: Enter the phone number.
- External: Enter external code and phone number.



Confirm when the complete number has been entered.



- Optionally, select a contact from the list of previous calls and press the corresponding function key.

Participant answers over loudspeaker



Select speakerphone mode.



- Optionally, lift the handset.

Participant does not answer or is busy



Press key. LED goes out.

Callback

Select “Callback”.

DIALLING WITH A CONNECTED HEADSET

Prerequisite: The headset is connected.

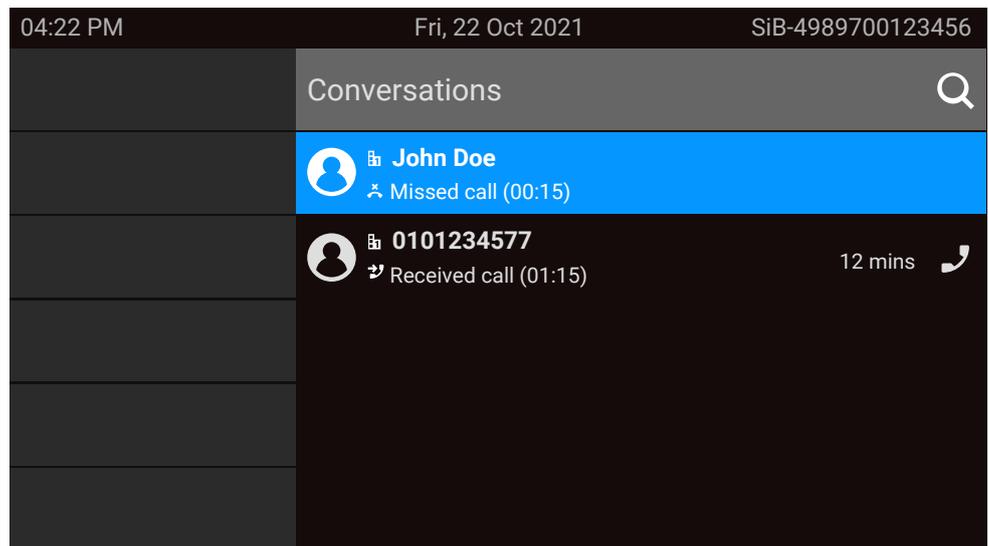
- Internal: Enter the phone number.
- External: Enter external code and phone number.

The key  illuminates.

CHOOSE FROM CONVERSATIONS

Conversations

Select “Conversations”.



The conversations list is displayed on the screen. If the contact you want is not visible, select with the navigation keys or search by entering the phone number or contact name.

Linus Blanket

Confirm the selected contact with the corresponding function key. The phone number is dialled.

CALLING WITH A DIRECT STATION SELECT (DSS) KEY

Prerequisite: A DSS key is configured on your phone, e.g. a key with label “DSS X” (see “Setting up a selected dialling key” → page 91).

Select the corresponding function key.

When the participants answer, enter speakerphone mode.

- Optionally, lift the handset.

For the meaning of the LED displays on the direct call keys, see “Meaning of LEDs on function keys” → page 27.

REDIALLING

No history is created for contacts if the call log or Microsoft® Exchange is deactivated. Conversations that have been dialled manually or searched for via LDAP are also not created. Previous entries are deleted.

Prerequisite: A programmable key has been configured with the redial function.

From the conversation list

You can use conversation list to call your last connected party via the history of a previous conversation or you can call via the contact details (see “Opening details of a conversation or conducting a call” → page 51).

Redialling with a key in the left panel

Select “Redial”.

Redialling from a connected key module

If “Redial” is not displayed on the key module, press the key to change the level.

Select “Redial”.

Redialling via “Favourites”

Press the key to open the main menu.

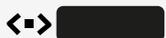
Select “Favourites”.

Select “Redial”.

DSS X



Redial



Redial



Favourites

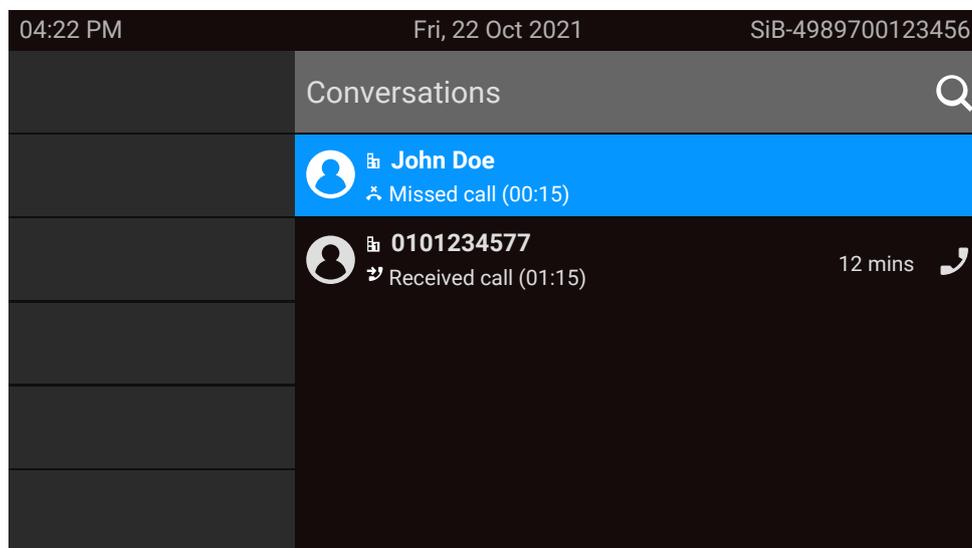
Redial

CALLING BACK A MISSED CALL

When a call is missed the LED on the phone lights up (if configured by the administrator). In addition to the menu name, i.e. the number of missed calls is displayed on the landing screen with a red background in the tab "Conversations" (see "Conversations" → page 1).

Conversations

Select "Conversations".



Calls you have missed are indicated with .

John Doe

Select the contact and confirm. The call is set up with the number displayed.

USING SPEED DIAL

This function must be configured by the administrator.

Speed dial numbers can also contain command or access code sequences and may be linked with other speed dial numbers (see "Central speed dial numbers" → page 85).

Dialling with central speed dial numbers

Prerequisite: You know the speed dial number.

Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

Administrator settings

Select "Administrator settings".

Enter and confirm the admin password.



Select "Service menu".



Select "Use speed dialing".



Enter the speed dial number. The connection is immediately established.

Dialling with individual speed dial numbers

Prerequisite: You have set up individual speed dial numbers.



Press the key to open the main menu.



Open "Service/Settings".



Select "Administrator settings".



Enter and confirm the admin password.



Select "Service menu".



Select "Use speed dialing".



Press the required speed dial key. The connection is immediately established.

SPEAKING TO COLLEAGUES DIRECTLY VIA LOUDSPEAKER

You can speak to an internal party directly using the loudspeaker on their telephone.



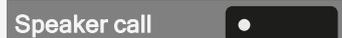
Press the key to open the main menu.



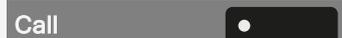
Open "Service/Settings".



Select "Service menu"



Select "Speaker call".



Select "Call".



Enter the phone number.

For answering to a speaker call, see "Addressed via speakerphone (direct speaking)" → page 99.

LEAVING AN ADVISORY MESSAGE

You can leave an advisory messages on your phone's screen for internal callers who want to reach you in your absence.

When a call is received, the message appears on the caller's display.

Press the key to open the main menu.

Select "Absence text on".

Entering a predefined message

Select and confirm the predefined message (can be changed by the administrator).

Optionally, enter the code for a predefined message directly (if known).

Predefined messages with a double point can be supplemented with a numerical input, e.g. 12:30 (enter a double point with #).

Entering your own text

Select "New voice message".

Enter text (up to 24 characters).

Save the setting.

DELETING ADVISORY MESSAGES

Press the key to open the main menu.

Select "Absence txt off".

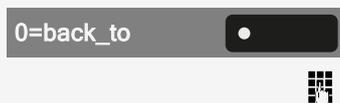
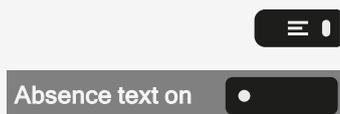
Save the setting.

AUTOMATIC CONNECTION SET-UP / HOTLINE

If configured, after lifting the handset the connection to an internal or external destination is automatically made.

Lift the handset.

According to the set up, the connection is made **immediately** or **after** a specified **time** .



ASSIGN PHONE NUMBER (NOT FOR U.S.)

If configured, you can assign a specific number (dial-up number) to your telephone line before dialling an external number. The assigned number then appears on the called party's screen.



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

Service menu

Select "Service menu".

Call

Select "Call".

Assign call number

Select "Assign call number".

Enter the number.

SENDING INFORMATION (MESSAGE)

You can send short text messages to individuals or groups of participants.

Creating and sending messages



Press the key to open the main menu.

Send Message

Select "Send Message".



Enter the internal phone number of recipient or group. Select a predefined text and confirm.

- Optionally, enter code directly. The display shows codes with relevant text.

Select the appropriate text.

Enter another message

Optionally, select "Enter another message".

abc



Enter text (maximum 24 characters). To enter text, refer to "Text input" → page 31.

Send

Select "Send".

On recipient phones without display, impulse or tone dial telephones, sent text messages are saved as callback requests.

Forwarding calls

You can program several types of call forwarding on your line. Fixed call forwarding type is **All calls**.

FWD-VAR-ALL-BOTH ON	All calls are forwarded to the stored phone number, and the call number is deleted when the call is disconnected.
FWD-FIXED ON	All calls are forwarded, the stored phone number is not deleted when the call is disconnected.
FWD-VAR-ALL-INT ON	Only internal calls are forwarded.
FWD-VAR-ALL-EXT ON	Only external calls are forwarded.
FWD-VAR-BUSY-BOTH ON	If your connection is busy, all calls are forwarded.
FWD-VAR-RNA-BOTH ON	If you do not pick up a call, all calls will be forwarded after a certain amount of time.
FWD-VAR-BZ/NA-BTH ON	If your connection is busy, or you do not pick up a call, all calls will be forwarded following a certain period.

USE VARIABLE CALL FORWARDING

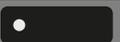
You can immediately forward internal or external calls to different internal or external telephones (destinations) (external destinations are also possible if the system is configured accordingly).

- If call forwarding is activated, a special dial tone sounds when the handset is lifted.
- If DTMF dial-in is active, you can also divert calls there. Destinations: Fax = 870, Direct inward dialing = 871, Fax-Direct inward dialing = 872.
- If you are the end caller of a forwarded call, you can see the call number or the name of the forwarding party in the notification area of the display (first line) and those of the caller below it.

If your telephone is connected to a system network, pay attention to any specific features (see "Tracing call forwarding " → page 163).

USE CFNR

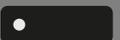
Calls that you cannot answer after ringing three times (the default setting that can be modified by the administrator) or any calls you receive while currently on the phone, can be automatically forwarded to a defined phone of your choice.

CFNR 

Select "CFNR". The LED is illuminated.



Press the key to open the main menu.

CFNR on 

Select "CFNR on".



Enter the destination number.



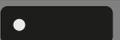
- Enter internal number for internal destinations.
- Enter the external code and the external number for external destinations

The number or the name of the forwarding destination is displayed in the notification area.

Save the setting.

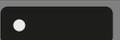
Switch off call forwarding after time

CFNR 

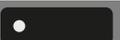
Select "CFNR". The LED goes out.



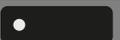
- Optionally, press the key to open the main menu.

CFNR off 

Select "CFNR off".

Delete 

Select "Delete".

Scroll Next 

Select "Scroll Next" to return to the idle state and to not turn off call forwarding.

If call forwarding is activated after a certain period of time, "CFNR on" is displayed for a short time after the handset has been put down.

Using callback

You can request a callback if the individual called is busy or if nobody answers. This also applies to external calls via switching centres. This will Save you from repeatedly attempting to call someone.

You receive a callback:

- when the other party's line becomes free, or
- as soon as the party who did not reply has held another conversation.

If configured by the administrator, all callback requests are automatically deleted overnight.

SAVING A CALLBACK

Prerequisite: The line is currently busy or nobody answers.

Select “Callback”.

Callback

ACCEPTING A CALLBACK

An participant for whom a callback was saved is now no longer busy or has phoned in the meantime. Your phone now rings.

Lift the handset.

- Optionally, press the key. The LED lights up .

CHECKING OR DELETING A SAVED CALLBACK

Press the key to open the main menu.

Service/Settings

Open “Service/Settings”.

Callback

Select “Display Callback”.

Next Callback

Select “Next Callback” to display additional entries if applicable.

Deleting an entry that is displayed

Delete

Select “Delete”.

Ending a query

Cancel

Select “Cancel”.

During a call

ACTIVATING OR DEACTIVATING THE MICROPHONE

You can temporarily switch off the handset microphone to prevent the other party from listening in while you consult with someone in your office for example.

Prerequisite: You are conducting a call.

Deactivating the microphone



Press the key shown.

Activating the microphone



Press the key shown.

CHANGING THE VOLUME

You can change the volume of the handset or the loudspeaker during the call.



You are conducting a call.



Adjust the volume using the toggle key.

SWITCHING FROM HANDSET TO SPEAKERPHONE MODE

Note that there are two different modes (US and Standard) and you can activate your preferred setting as appropriate.

Prerequisite: You are conducting a call via the handset.

The microphone and loudspeaker functions are activated by the administrator.

Listening in standard mode



To open listening in standard mode, hold down the key.



Hang up the handset.



Release the key and proceed with your call.

Listening in US mode



To open listening in US mode, press the key.



Hang up the handset.

Proceed with your call.

SWITCHING FROM SPEAKERPHONE MODE TO THE HANDSET

Prerequisite: You are conducting a call in speakerphone mode.



Lift the handset. The  key is no longer illuminated.

SWITCHING FROM HEADSET TO SPEAKERPHONE MODE

Switching in standard mode



Press and hold the key (open listening is activated).

Hang up the handset.

Switching in US mode



Press the key.

Hang up the handset.

OPEN LISTENING TO THE ROOM

You can let other people in the room join in on the call. Let the other party know that you have turned on the loudspeaker.

Prerequisite: You are conducting a call via the handset.

Activating open listening



To activate open listening, press the key shown.

Deactivating open listening



To deactivate open listening, press the illuminated key.

PARKING A CALL

There are three ways to park a call:

- System park
- Directed call parking
- Call parking within Pick-up group

For system settings ask the administrator.

The following is an example how to park a call if you are a member of Pick-up group.

Prerequisite: You are conducting a call.

Press the flashing function key in the left panel or on a connected key module, if configured.

Select “Favourites”.

Select the required page using the corresponding function key.

Enter and note a parking position number between 0 and 9. If the entered parking position number is not accepted, it is already busy. In that case enter a different number.

Retrieving a parked call

Prerequisite: One or more calls have been parked. The phone is idle and Group Park LED key is flashing.

Press the flashing function key in the left panel or on a connected key module, if configured.

A parked call will ring back automatically.

PLACING A CALL ON HOLD

You can use this function to place an ongoing call on hold, e.g. to prevent the another party hearing a conversation with a colleague in the same room.

Prerequisite: You are conducting a call.

Select and confirm the option shown.

- Optionally, press the key shown. The key illuminates.

Group park

Favourites

Favourites 1/2

0 + ... 9 WXYZ

Group park

Hold



If you do not retrieve the held call after a defined time interval, a reminder beep sounds three times and a prompt to retrieve the call or disconnect appears on the display.

Recall

If you have hung up, a recall occurs after a set time.

Lift the handset and set the volume, if required.

- Optionally, press the key.
- Optionally, press the key if a headset is connected to confirm recalling the party.

BEING ON HOLD

You have been placed on hold by your call partner and are informed accordingly in the notification area.

Select “Pending calls” to receive information about the call partner in “Conversations”.

CALL SECOND PARTICIPANT (CONSULTATION)

You can call a second party while a call is in progress. The first participant is placed on hold.

Select “Consultation”.

Calling a second participant

Enter the phone number of the desired participants.

- Optionally, select one from the conversations list.

Returning to the first participant if the second participant does not answer

Select “Return to held call”.

Ending a consultation call

Select “Set free”.

Switching to the held party (alternating)

Select “Toggle”.



Held remotely

Pending calls

Consultation



Return to held call

Set free

Toggle

TRANSFERRING A CALL

If the person you are speaking to wishes to be forwarded to one of your colleagues, you can transfer the call.

Prerequisite: You are conducting a call.

Select "Consultation".

Enter the phone number of the desired participants.

Announce the call to the third party.

Select "Transfer".

- Optionally hang up the handset.

ACCEPTING A SECOND CALL (CALL WAITING)

You are still available to other callers, even though you are on the telephone. A warning tone and the notification "Call for: X" in the display indicates the waiting call.

You can ignore or accept the second call. Before you accept the second call, you can end the first call or place it on hold for subsequent retrieval.

You can also block the second call or the signal tone (see "Call waiting" → page 83).

Prerequisite: You are on the phone and hear a warning tone (approx. every six seconds).

Ending the first call and answering the second call

Hang up the handset. Your phone rings.

Accept second call. Lift the handset.

Place first call on hold and answer second call

Select "Accept". You are connected to the second caller. The first party is placed on hold.

Ending the second call, resuming the first call

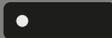
Select "Set free".

- Optionally, hang up the handset.

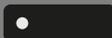
Consultation



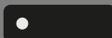
Transfer



Accept



Set free





- Optionally, lift the handset.

CARRY OUT DTMF SUFFIX / DIAL TONE

In order to control devices, such as answering machines or automatic information systems, you can send out DTMF signals.

Ask the administrator to send the codes for the DTMF tones.

Ending the call also deactivates DTMF suffix dialling.
Your system can also be configured in such a way that you can start the DTMF dial-up immediately after establishing the connection. You can also set-up a key for DTMF dialling.

START A CONFERENCE CALL

You can initiate a conference with "Start conference" in the context menu of either the active or held call.

You can talk to up to seven other call partners at the same time during a conference call. These can be external or internal participants.

Only the conference call initiator can connect and disconnect participants.

Call the first participant.

Select "Start conference".

Call the second participant. Announce the conference call.

Press the Conference key.

- Optionally, select "Conference" in the left panel or on the attached key module, if configured.

A notification tone sounds every 30 seconds (can be switched off by the administrator), to signal a conference call is taking place.

The second participant does not answer

Select "Return to held call".

Expand conference for up to five participants

Select "Expand conference".

Start conference



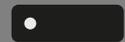
Conference

Return to held call

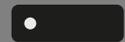
Expand conference



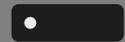
Conference



Conference



Conference



Call the new party. Announce the conference.

- Optionally, press the Conference key.
- Optionally, select “Conference” in the left panel of the phone or an attached key module.

Connect call partner to a conference

Prerequisite: You are on a consultation call (see “Call second participant (consultation)” → page 114).

Select “Conference”.

- Optionally, press the Conference key.
- Optionally, select “Conference” on the phone or an attached key module.

ROLLOVER

You can set up the volume for all notification, which occur during your call. For more information (see “Volumes” → page 174

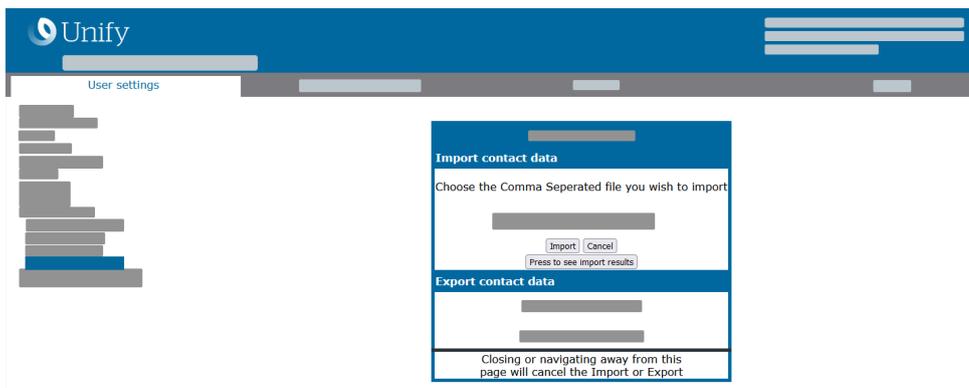
Importing contacts via WBM

You can import your contacts into the phone through WBM interface. The contact file can be exported from Outlook or OSM.

See the product documentation for instructions on how to export contacts from an Outlook client or OSM.

Files previously exported by this or another phone may also be imported.

Log on to the user pages on WBM using your password (see “Web interface (WBM)” → page 182).



A contact list can be downloaded on your phone via browser:

1. Open the "User settings".
2. Enter the user password, if required.
3. Open "File transfer > Contacts transfer".
4. Select "Browse" and navigate to a local or remote folder.
5. Select a file to be imported.
 - The default format is ".csv"
 - You can use comma or a semi-colon as a value separator for the imported CSV file
 - When exporting from Outlook, do not change the mapped header field names.
6. Select destination and confirm.
7. The path to the file is displayed when selecting the destination and closing the window.
8. Select "Import".

Picture clips (avatars) are not included as part of the import.

While the import is in progress you may notice some deterioration in the phones performance.

The progress and outcome of the import will be indicated.

9. Select "Press to see import results" to see a completion message.
 - A successful import is indicated by the message "Import completed" below the panel on the page
 - A message "Import contacts completed" is displayed on the phone after the import is completed.
 - Failures are indicated by a text message below the panel on the page.

Using Bluetooth

Bluetooth is an open standard for high-performance technology and wireless communication, e.g. between PCs and tablets or mobile telephones and headsets.

In contrast to infra-red connections, Bluetooth can be used over distances of up to 10 meters even without direct visibility of the communicating devices.

To exchange data between Bluetooth enabled devices, the devices need to undergo a one-off discovery procedure.

Discoverability

When first enabling a connection to a Bluetooth device, this function must be switched on (see "Pairing Bluetooth devices" → page 120).

The OpenScape Desk Phone CP710 is recognizable by default for other Bluetooth devices once pairing is enabled.

The Bluetooth discoverability feature is disabled on exiting the pairing menu to prevent misuse.

A connection is established for devices that are already connected even if the function "Discoverable" is deactivated.

Pairing and connecting

Pairing is the process used by two Bluetooth enabled devices to "see" one another and to "recognize" that they can exchange data. It is therefore used for checking the access authorization of a Bluetooth device in a Bluetooth network. To do this, a 128-bit link key is created for subsequent identification.

If the Bluetooth device has a NFC reader (Near Field Communication), it can be automatically paired with the phone.

Pairing is only required for the first contact between a Bluetooth device and the phone. Once the Bluetooth device is successfully paired, no further access authorization checks are required. Instead, each subsequent check uses the previously created link key.

Connecting stores the pairing information and identification key of the device on the phone. To pair the device with another phone, it must be disconnected, i.e. the key must be removed.

PAIRING BLUETOOTH DEVICES

Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



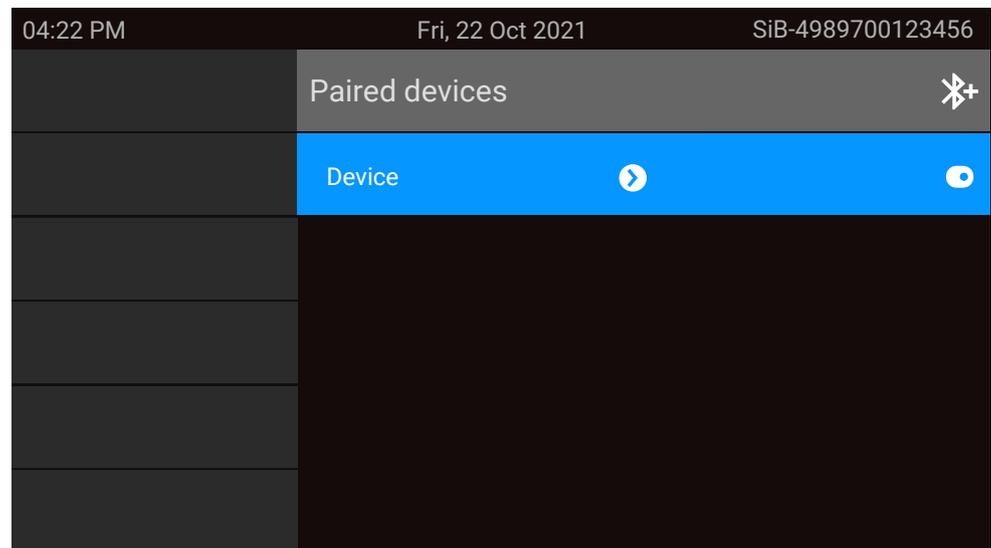
Enter and confirm the user password, if required.

Bluetooth

Select "Bluetooth".

Paired devices

Select "Paired devices".



The paired devices are displayed.



Press the function key to start the scan for new devices. Start or set the paging function on the device if appropriate.

The located devices are displayed. Repeat the scan if the device is not displayed.

Select the Bluetooth device.

Accept

Select "Accept". The device is paired and added to the list.



If a pairing PIN is requested, enter the PIN and confirm with the function key. The device is paired and added to the list.

The phone is now paired with the Bluetooth device, but not yet connected (see "Disconnecting a Bluetooth device" → page 131).

Pairing is only performed the first time a link is established between the Bluetooth device and the phone. If the Bluetooth device is successfully paired, no further access authorization checks are necessary. Instead, each subsequent check uses the previously created link key.

PAIRING NFC-ENABLED DEVICES

If the Bluetooth device has an NFC reader (Near Field Communication), it can be connected to your phone.

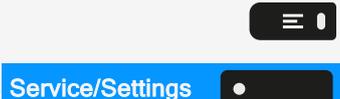
The NFC transmitter on the phone is located in the top right area of the display, to the left of the Presence key and below the "N" logo.

To pair the Bluetooth device, hover over this logo and follow the instructions (see instructions for Bluetooth device).

CONNECTING OR DISCONNECTING A BLUETOOTH DEVICE

After pairing, the device must be connected to the OpenScape Desk Phone CP710. To use the device at another location, it must first be disconnected from the current phone.

Press the key to open the main menu.



Service/Settings

Open "Service/Settings".



User settings

Open "User settings".



Enter and confirm the user password, if required.



Bluetooth

Select "Bluetooth".



Paired devices

Select "Paired devices". Select the device in the list of paired devices.



Confirm to connect. The connection is immediately established and the device is ready for use.

Disconnecting the device

Select the device in the list of paired devices.

Confirm to disconnect. You will receive a corresponding confirmation.

Transferring contacts

Bluetooth on the OpenScape Desk Phone CP710 allows you to transfer contacts in “vCard” format (file extension: *.vcf) from other Bluetooth devices and Save them in the “Conversations”. You can also send entries from “Conversations” to other Bluetooth enabled devices.

The instructions for data transfer via Bluetooth provided in the relevant manufacturer documentation should be observed.

RECEIVING A VCARD

Prerequisites: Bluetooth is enabled on the phone (see "Activating Bluetooth" → page 129).

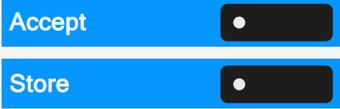
A vCard file is stored on the Bluetooth enabled device (PC, tablet, mobile phone, etc.).

Start the data transfer on the device. If a vCard is transmitted, you are asked to accept the data transfer.

Example

Select “Accept”.

Select “Store” to Save the vCard(s) to the contact list. The transfer is confirmed.


 A screenshot of a phone interface showing two buttons: 'Accept' and 'Store'. Each button has a small white circle to its right, indicating a toggle switch. The 'Accept' button is highlighted in blue.

SENDING A VCARD

Sending to a paired device

Prerequisite: The receiving device is included in the list of paired devices, Bluetooth is enabled on the device and can receive vCards.

Select “Conversations”.

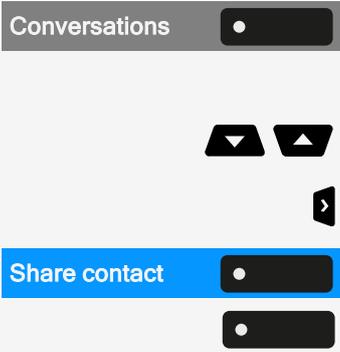
Select the required contact. The selected contact is highlighted.

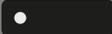
Use the navigation keys to scroll, if required.

Open the contact details.

Select “Share contact”.

Press the function key. The menu for paired devices is displayed. A search for devices is initiated.


 A screenshot of a phone interface showing two buttons: 'Conversations' and 'Share contact'. Each button has a small white circle to its right, indicating a toggle switch. The 'Conversations' button is highlighted in grey. Below the 'Share contact' button, there are two navigation keys: a left arrow and a right arrow.

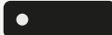


Select and confirm the transfer on the paired device, e.g. a mobile phone. The vCard for the entry is sent. (You will receive confirmation.)

Save the vCard information on the remote device.

Sending to an unpaired device

Prerequisite: Bluetooth is activated on the device and the device can receive vCards.

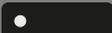


Select the required contact in "Conversations". The selected contact is highlighted.



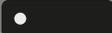
Open the contact details.

Share contact



Select "Share contact". A search for devices in the vicinity of the phone is initiated.

Wait until the device is displayed.



Select and confirm the transfer on the selected device, e.g. a laptop. The vCard for the entry is sent (you will receive confirmation).

Save the vCard information on the remote device.

After transmission, detected unpaired devices are deleted from the list.

Using a Bluetooth headset

You can connect a Bluetooth enabled headset to the phone, if it is approved for use with the phone. Ask the administrator about approved headsets.

Prerequisite: Bluetooth is enabled on the phone (see "Activating Bluetooth" → page 129).

PAIRING AND CONNECTING A BLUETOOTH ENABLED HEADSET

Pairing and connecting a Bluetooth enabled headset requires the same pairing and connecting procedure for all Bluetooth devices:

- Enable Bluetooth pairing mode on the headset (see the user manual supplied with the device).
- Start pairing the device (see "Pairing Bluetooth devices" → page 120)
- After successfully pairing the device, connect it with the phone (see "Connecting or disconnecting a Bluetooth device" → page 121)

TESTING A BLUETOOTH HEADSET



Press the key on the dialpad. You should now hear the on-hook signal in the headset.

A screenshot of a phone dialer input field. The field is highlighted with a blue border and contains the number '123'. A black 'X' icon is visible on the right side of the field, indicating a delete or clear function.

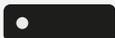


Enter any phone number. The input field is opened.

A small black icon of a button with the text 'OK' on it, positioned to the left of the third step.

Confirm that the phone number is complete or wait until the autodial delay expires.

The selected contact is shown in the list.



Confirm with the function key. The connection is set up.

Adjust the call volume on the headset.

Using a Bluetooth enabled conference phone

You can connect a Bluetooth enabled conference phone to the OpenScape Desk Phone CP710, if it is approved for use with the phone.

Ask the administrator about approved conference type phones.

PAIRING AND CONNECTING A BLUETOOTH ENABLED CONFERENCE PHONE

Below is an example of pairing, connecting, and testing the conference phone “Konftel 60W”.

Prerequisite: Bluetooth is enabled on the phone (see "Activating Bluetooth" → page 129). The conference phone is ready for use but switched off.

Finding and pairing the conference phone

Hold down the **trim** key on the conference phone for two seconds until the blue display lights flash.

Pairing and connecting a Bluetooth enabled conference phone requires the same pairing and connecting procedure for all Bluetooth devices:

- Enable Bluetooth pairing mode on the conference phone (see the user manual supplied with the device).
- Start pairing the conference phone (see "Pairing Bluetooth devices" → page 120)
- After successfully pairing the conference phone , connect it with the OpenScape Desk Phone CP710 (see "Connecting or disconnecting a Bluetooth device" → page 121)

TESTING THE BLUETOOTH ENABLED CONFERENCE PHONE

Prerequisite: The conference phone is ready for use but switched off. The OpenScape Desk Phone CP710 is in idle mode.

Both the phone and the conference phone ring. The caller is displayed. To answer the call, you have the following options:

- Press the key shown.
- Select "Answer".
- Press the On-Off key on the conference phone.

You are connected with the other party. The conference phone is activated. You can initiate a consultation call or accept a second call to set up a conference.

Using a Bluetooth hands-free device

You can control calls on the HFAG (hands-free audio gateway, e.g. mobile device) from the phone via Bluetooth.

Once the mobile device is connected to phone via Bluetooth, you can see the mobile's battery level in the status bar of the main menu.

The icon "Telephony"  indicates that the paired device can be connected as hands-free Bluetooth device. When connected, the device provides remote telephony functions: calls received by the mobile network are displayed and can be controlled by the phone.

INCOMING HFAG CALL

The Bluetooth status bar indicates an HFAG call.



Answer



For more information about how to proceed during incoming call, see "Incoming calls" → page 96.

CONNECTED HFAG CALL

The status bar icon indicates an HFAG call.

End audio



Select "End audio" to transfer the HFAG call audio from the OpenScape Desk Phone CP710 to the HFAG.

Pull audio



Select "Pull audio" to reroute the audio stream from HFAG back to the OpenScape Desk Phone CP710.

For more information about how to proceed during a call, see "Activating or deactivating the microphone" → page 111.

OUTGOING HFAG CALL

When the call is started on the HFAG device, the Bluetooth status bar icon indicates an HFAG call.

HFAG CALL STATES IN "CONVERSATIONS"

Connected HFAG calls are displayed in "Conversations". The HFAG call is distinguished from native calls by a special call state icon below the user name or phone number.

ANONYMOUS MODE

As a User, you are able to configure "Hide mobile data". In this mode, no caller information will be presented, only presence and state of the call. All Bluetooth calls are logged to "Anonymous conversation".

Using a Bluetooth keyboard

A Bluetooth keyboard can be paired with the phone. After successful pairing, the keyboard appears in the list of "Paired devices" and a "keyboard" icon  is displayed in status bar.

There can be only one keyboard device connected at the same time.

Pairing and connecting a Bluetooth keyboard

Pairing and connecting a Bluetooth enabled keyboard requires the same pairing and connecting procedure for all Bluetooth devices:

- Enable Bluetooth pairing mode on the keyboard (see the user manual supplied with the device).
- Start pairing the device (see "Pairing Bluetooth devices" → page 120)
- After successfully pairing the device, connect it with the phone (see "Connecting or disconnecting a Bluetooth device" → page 121)

After successfully connecting the keyboard, the icon  is displayed in the status bar.

The simultaneous usage of a Bluetooth keyboard and phone keypad is possible. The phone interface differentiates between events from the Bluetooth keyboard and the dialpad and shows the input box and its settings only for the dialpad.

Supported languages

The following languages for a Bluetooth keyboard are supported:

- German
- English
- French
- Italian
- Spanish

For other languages, the English keyboard layout will be used.

Navigation keys

The navigation keys on a Bluetooth keyboard substitute the following keys on the dialpad:

- Direction keys = direction keys (up / down, left / right, OK)
- Enter = OK
- Backspace = Back
- Esc = Go to landing screen
- Tab = Menu key
- Menu = Menu key
- "Volume" keys = Volume keys
- "Mute" key = Microphone mute
- "Find" = Go to "Conversations" and start searching
- The "Page down" key moves the highlighted item down by the number of screen lines.

- The “Page Up” key is equivalent to 5 navigation key presses upwards
- The “Home” key is equivalent to a long press of the navigation key upward
- The “End” key is equivalent to long press of the navigation key downward

Numerical keys

When the phone is in idle state, pressing numerical keys on keyboard initiate dialling in the same way as number keys on the dialpad do.

When the phone is in a call, pressing numerical keys on the keyboard sends DTMF tones in the same way as numerical keys on the dialpad do.

Using a Bluetooth “Remote button”

A Bluetooth device with a single button for triggering an action (e.g. emergency calls) can be paired with the phone (see ["Pairing and connecting"](#) → page 119). After successful pairing, the device is displayed with a keyboard profile in the paired devices. You can choose the following keys as “remote button”:

- Function keys on the phone
- Function keys on the key module

Only a configured function key can be selected as a “Remote button”.

The shifted level function of a function key cannot be selected.

Pairing and connecting a Bluetooth remote device

Pairing and connecting a Bluetooth enabled “Remote button” device requires the same pairing and connecting procedure for all Bluetooth devices:

- Enable Bluetooth pairing mode on the device (see the user manual supplied with the device).
- Start pairing the device (see ["Pairing Bluetooth devices"](#) → page 120)
- After successfully pairing the device, connect it with the phone (see ["Connecting or disconnecting a Bluetooth device"](#) → page 121)

After successfully connecting a Bluetooth “Remote button” device, the icon  is displayed in the status bar.

Enabling the “Remote button”

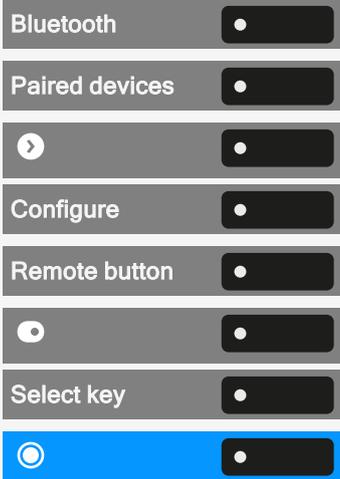
Press the key to open the main menu.

Service/Settings

Open “Service/Settings”.

User settings

Open “User settings”.



Enter and confirm the user password, if required.

Select “Bluetooth”.

Select “Paired devices”.

Select the connected Bluetooth keyboard and open the settings.

Select “Configure”.

Select “Remote button”.

Enable the remote button.

Select “Select key”.

Select one of the options that have been assigned to a function key.

TRIGGER ON RECONNECT

When reconnecting (i.e. after starting from energy saving mode), the phone automatically reconnects and the remote button triggers the configured function key if enabled. You need to press the remote button only once.

If the option “Trigger on reconnect” is disabled, you must press the remote button twice. First time it will reconnect and second it will trigger the configured function key.

Enabling “Trigger on reconnect”

Navigate to the Bluetooth keyboard settings (see “Using a Bluetooth keyboard” → page 126).



Select the paired device and select “Configure”.

Enable “Trigger on reconnect”.

Save the setting.

Bluetooth settings

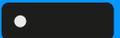
ACTIVATING BLUETOOTH

The Bluetooth function must be enabled by the administrator.

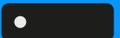
 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



Press the key to open the main menu.

Service/Settings 

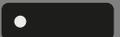
Open "Service/Settings".

User settings 

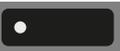
Open "User settings".



Enter and confirm the user password, if required.

Bluetooth 

Select "Bluetooth".

Activate with the function key.

Bluetooth is now available and the icon  is displayed in the status bar.

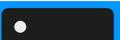
CHANGING THE BLUETOOTH NAME OF THE PHONE

Here you can determine the name of the phone that is used when registering at other Bluetooth devices.

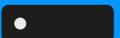
 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



Press the key to open the main menu.

Service/Settings 

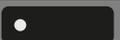
Open "Service/Settings".

User settings 

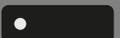
Open "User settings".



Enter and confirm the user password, if required.

Bluetooth 

Select "Bluetooth".

Configuration 

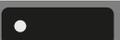
Select "Configuration".

Phone name 

Select "Phone name".



Edit the phone name using the dialpad.

Save the setting.

MANAGING BLUETOOTH DEVICES

The following functions are available in the Bluetooth pairing manager:

- Adding a Bluetooth device (see "Pairing and connecting" → page 119)
- Deleting a Bluetooth device list
- Connecting or disconnecting paired Bluetooth devices
- Removing single Bluetooth devices from the list
- Renaming Bluetooth devices in the list

The OpenScape Desk Phone CP710 is visible for other Bluetooth devices in the vicinity when this menu is open.

DISCONNECTING A BLUETOOTH DEVICE

Prerequisite: At least one Bluetooth device is listed.

Press the key to open the main menu.

Open "Service/Settings".

Open "User settings".

Enter and confirm the user password, if required.

Select "Bluetooth".

Select "Paired devices". All paired devices are displayed.

A message is displayed that the phone is now visible for other Bluetooth devices while you are in this menu.

Select the device.

Confirm with the function key to disconnect. You will receive a corresponding confirmation. The connection is closed automatically if you switch off the device.

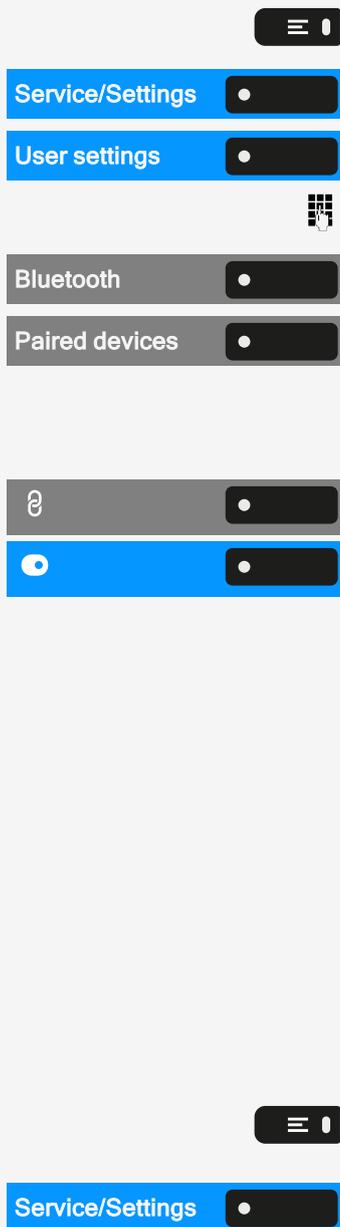
DISCONNECTING A BLUETOOTH ENABLED DEVICE AUTOMATICALLY

If the device is proximity-system enabled, proximity monitoring is activated by default. As soon as the paired device comes into the vicinity of the phone, the connection is established automatically. If the device is moved out of reach for the Bluetooth proximity sensor, the connection is dropped.

Proximity Monitoring is enabled by default.

Press the key to open the main menu.

Open "Service/Settings".





Open “User settings”.



Enter and confirm the user password, if required.



Select “Bluetooth”.



Select “Paired devices”.



Open the device settings.



Select “Configure”.



Select “Proximity Monitoring” to disable it. When disabled (⊙), the device will no longer disconnect automatically once it leaves the vicinity of the phone.

SETTING THE PROXIMITY THRESHOLD

You can set the proximity threshold for each paired device individually. This increases or decreases the sensitivity for the Bluetooth signal of the device and prevents multiple Bluetooth enabled devices from interfering.



Press the key to open the main menu.



Open “Service/Settings”.



Open “User settings”.



Enter and confirm the user password, if required.



Select “Bluetooth”.



Select “Paired devices”.



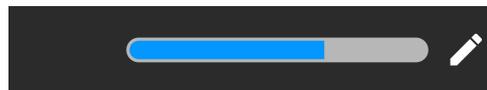
Open the device settings.



Select “Configure”.



Select “Proximity Threshold”.




Select “Edit”.



Use the function key to increase the value.



Use the function key to decrease the value.



- Optionally, use the keys on the dialpad.



Save the setting.

Proximity Indicator

Checking the proximity sensor

Check different positions of your Bluetooth device at which the connection can still be maintained by moving the device closer and further away from the phone.

DEACTIVATING AUDIO

If no audio function is provided for the Bluetooth enabled device, you should disable audio in your device's settings.

The function is always activated by default.



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



Enter and confirm the user password, if required.

Bluetooth

Select "Bluetooth".

Paired devices

Select "Paired devices".



Open the device settings.

Configure

Select "Configure".

Audio

Select "Audio". This option is only displayed when the device provides audio.



Deactivate "Audio". The icon  next to the device name is removed.



Save the setting.

REMOVING A BLUETOOTH DEVICE FROM THE LIST

You can remove a single Bluetooth device from the list.



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



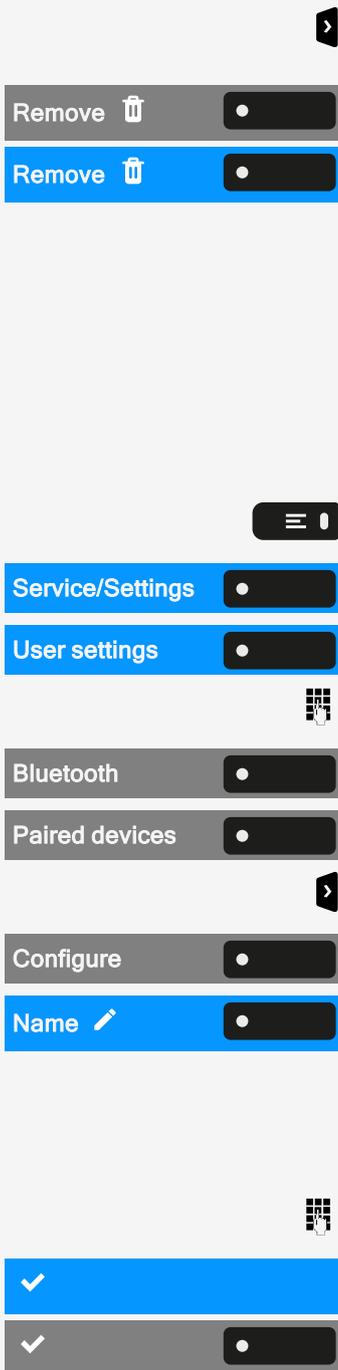
Enter and confirm the user password, if required.

Bluetooth

Select "Bluetooth".

Paired devices

Select "Paired devices".



Open the device settings.

Select “Remove”.

Confirm removal.

RENAMING A BLUETOOTH DEVICE IN THE LIST

By default, a Bluetooth device is entered in the list with the name set in the device, mostly the device type or the device key. You can change the name for convenience.

Press the key to open the main menu.

Open “Service/Settings”.

Open “User settings”.

Enter and confirm the user password, if required.

Select “Bluetooth”.

Select “Paired devices”.

Open the device settings.

Select “Configure”.

Select “Name”. The current name is displayed.



Edit the name using the dialpad.

Press the corresponding function key to confirm.

Save the setting.

Making calls via multiple lines (“multi-line”)

This section describes the settings for a MultiLine phone and how to use a MultiLine phone.

Trunks

A distinction is made between primary, secondary, and phantom lines. Each of these line types can be used on a private or shared basis.

LINE SEIZURE

The line assignment is dependent on the configuration. If the automatic line seizure is configured, a line is automatically assigned upon lifting the handset or pressing the loudspeaker key.

AUTOMATIC LINE SEIZURE

The administrator has configured automatic line seizure.

Lift the handset.

- Optionally, press the speaker key.
- Optionally, press the headset key.

Select “Dial a number...”.

The input field in “Conversations” opens.

123



Enter the phone number and confirm. You can also search for and use the contact from the conversation list.



Dial a number...



Line or trunk keys

On a multi-line phone the freely programmable keys function as line or trunk keys.

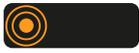
Every key configured as a "line key" (key marking: MULAP X , i.e. Multi-Line Appearance) corresponds to a line.

As a team member, you yourself can assign the following functions to keys (see "Programming the function keys" → page 88):

- Direct station selection (DSS)
- Group call on or off (not for main phone in the executive or secretary group)
- Ring transfer on or off (only in executive or secretary group)

Otherwise, you can assign a key with the "MULAP forwarding" (call forwarding) function for each line.

MEANING OF LEDS ON LINE KEYS

LED	Meaning
	LED off: The phone is in idle mode.
	LED lights green: <ul style="list-style-type: none"> • The line is in use on your phone. • Outgoing call on the line
	Flashing green: <ul style="list-style-type: none"> • Incoming call on the line (see "Incoming calls " → page 96) • The incoming call was prioritized and selected in accordance with the option "Automatic line selection for incoming calls"
	LED lights red: The line is busy remotely.
	Flashing red: Call forwarding is activated.
	LED lights orange: The line is on hold.
	Flashing orange: The held call on the line has timed out on hold.

ACCEPTING CALLS ON THE LINE OR TRUNK KEYS

Prerequisite: Your phone rings or the line or trunk key flashes quickly.

Press the flashing key in the left panel or on a connected key module.

Lift the handset.

- Optionally, use speakerphone mode.

DIALING WITH LINE OR TRUNK KEYS

Press the free line or trunk key in the left panel or on a connected key module.

Dial the phone number.

If the participant answers: Lift the handset.

- Optionally, use speakerphone mode.

HOLD A CALL ON A LINE OR TRUNK KEY AND THEN ACCEPT AGAIN

Prerequisite: You are conducting a call via one of your group's lines.

Holding

Press the Hold key.

Hang up the handset.

- Optionally, select “Disconnect”.

As required per configuration, so that other team members can also accept the call on hold.

Accept again

Press the slowly flashing line or trunk key.

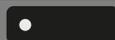
ALTERNATELY CALL ON ANOTHER LINE

Prerequisite: You are conducting a call via one of your group's lines. Another line key flashes.

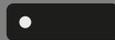
MULAP x



MULAP x



Disconnect



MULAP x



MULAP x



MULAP y



Press the flashing line key. The first call partner is waiting on the other line.

Press the slowly flashing line or trunk key. The second call partner is put on hold.

You can change line as often as you like by pressing the slowly flashing line key.

MULAP PRIVACY RELEASE

If authorized by the administrator, you can assign the function "Privacy Release" to a key on your phone (see "Programming the function keys" → page 88).

Setting up a conference via the menu is no longer required in this case. Your team partner simply has to press the flashing line or trunk key for your line on her phone and can immediately take part in the conference.



You are conducting a call.

Disconnect



Select "Disconnect". The LED lights up.

Up to 3 team members can now enter the conference.

Prerequisite: The line on which you are speaking is configured as a line or trunk key on the other phone.

MULAP x



Press the flashing line key.

Direct station selection (DSS) keys

Each team member has a DSS key for every other team member.

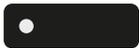
As a result, each team member is directly accessible by other team members with the press of a key.

Unlike a named function key, a DSS key displays the status of the other team member's extension via the LED on the key.

MEANING OF LED DISPLAYS FOR DSS KEYS

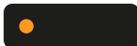
There are two styles of DSS key status indication via LED: the OpenStage style (default) and the CP style.

OpenStage style

LED		Meaning
	Off	The team member’s phone is idle The team member’s phone is logged off.
	Green, steady	The team member is phoning
	Green, flashing quickly	The team member is being called, please accept. The team member has activated DND. Another team member is being called and has not yet answered.
	Green, flashing slowly	You are on call with the team member and you have placed the call on hold.

CP style

LED		Meaning
	Off	The team member’s phone is idle The team member’s phone is logged off.
	Red, steady	The team member’s phone is busy The team member’s phone is on hold by another station You are calling the team member’s phone.
	Red, flashing	The team member has activated DND

LED		Meaning
	Green, blinking	The team member is calling you.
	Green, flashing	The team member’s phone is being called by another station A waiting call is signalled on the team member’s phone and the call is from another station
	Amber, steady	You are on call with the team member and you have placed the call on hold.

If you want to change to the CP style of the DSS key status indication via LED, see "DSS / keyset indication" → page 70.

Flashing keys are represented in this manual, without reference to the frequency of flashes. The flashing interval represents different statuses, which are described in detail in the corresponding sections of the manual.

DIRECTLY CALL TEAM MEMBERS



Press the DSS key of the team member.



If the desired team member is on the phone, the DSS key on your phone lights up. In this case you can still call if second calling (call waiting) is permitted to team members.



If the participant answers: Lift the handset.



- Optionally, use speakerphone mode.

TRANSFERRING AN EXISTING CALL



Press the DSS key and announce the call.



Hang up the handset.



- Optionally, select “Disconnect”.

PICK UP CALL FOR ANOTHER MEMBER



Press the blinking DSS key or line / trunk key.



Lift the handset.



- Optionally, use speakerphone mode.

Forwarding calls for lines

You can immediately forward internal or external calls to your lines to different internal or external phones (destinations).

If you activate call forwarding for a line, this shall apply to all line keys of your group for this line.



Press the key to open the main menu.

Service/Settings

Open “Service/Settings”.

Service menu

Select “Service menu”.

Destination

Select “Destination”.

Forwarding
MULAP On

Select “Forwarding MULAP On”.

Forwarding
MULAP

Select “Forwarding MULAP”.

MULAP x

Select “MULAP x”.



Optionally, enter and confirm the desired line or trunk number:

- 1=all calls
- 2=external calls only
- 3=internal calls only



Enter the destination number.

✓

Save the setting.

Forwarding
MULAP

- Optionally, select “Forwarding MULAP”. You have also saved the type and destination of the forwarding.

DEACTIVATE CALL FORWARDING



Press the key to open the main menu.

Service/Settings

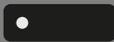
Open “Service/Settings”.

Service menu

Select “Service menu”.

Destination

Select “Destination”.

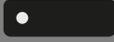
Forwarding
MULAP OFF 

Select “Forwarding MULAP OFF”.

MULAP x 

Select “MULAP x”.

- Optionally, enter the desired line or trunk number.
- Optionally, select “Forwarding MULAP”.

Forwarding
MULAP 

If call forwarding is activated for a line, a special dial tone rings when occupied.

LED NOTIFICATIONS FOR THE KEY "MULAP FORWARDING"

The following LED notification statuses are available:

- LED  on the "Forwarding MULAP" is dark - no call forwarding active for this line.
- LED  on the "Forwarding MULAP" lights up - call forwarding active for this line.
- LED  on the "Forwarding MULAP" flashes **slowly** - line is the destination of a forwarded call.

Switch calls directly to executive

All calls for the executive are usually only acoustically signalled in the secretary office.

You can set the acoustic signalling so that the calls are only acoustically signalled on the main phone or on an assigned second phone.

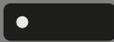
Prerequisite: On your phone a key is assigned with the function "Ring transfer executive / secretary".

Activating

Select “Ring Transfer executive/secretary”. The LED lights up.

Optional activation

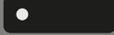
Press the key to open the main menu.

Ring Transfer
exec-
utive/secretary 



Service/Settings 

Open “Service/Settings”.

Service menu 

Select “Service menu”.

Destination

Select “Destination”.

Call FWD-no answer

Select "Call FWD-no answer".

Line

Press the corresponding function key.



- Optionally, enter the desired line or trunk number.

Deactivating

Select “Ring Transfer executive/secretary”. The LED goes out.

Ring Transfer executive/secretary

Optional deactivation



Press the key to open the main menu.

Service/Settings

Open “Service/Settings”.

Service menu

Select “Service menu”.

Destination

Select “Destination”.

Call FWD-no answer Off

Select "Call FWD-no answer Off".

MULAP x

Press the corresponding function key.



- Optionally, enter the desired line or trunk number.

Group calls / hunt group

If configured, your connection is part of a team. The team consists of internal phone connections that can make use of particular functions.

Switch group calls on or off

If your phone is connected to a system network via LAN, pay attention to specific features (see "Leaving or entering a "hunt group"" → page 163).

If it has been configured, you will belong to one or more groups of members who can be reached via a "hunt group" or group call phone number.

Calls are signalled on all phones in the group either in succession ("hunt group") or simultaneously ("group call"), until a member of the group answers the call.

Every party in the group can also remain available under their own phone number.

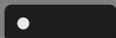
You can activate and deactivate the call for the hunt group, group call, or for the individual lines of a group.

YOU BELONG TO A HUNT GROUP OR GROUP CALL GROUP



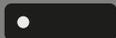
Press the key to open the main menu.

Leave hunt grp



Select "Leave hunt grp".

Join hunt group



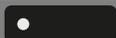
- Optionally, select "Join hunt group".

YOU BELONG TO MULTIPLE GROUPS



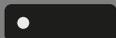
Press the key to open the main menu.

Leave hunt group



Select "Leave hunt group".

Join hunt group



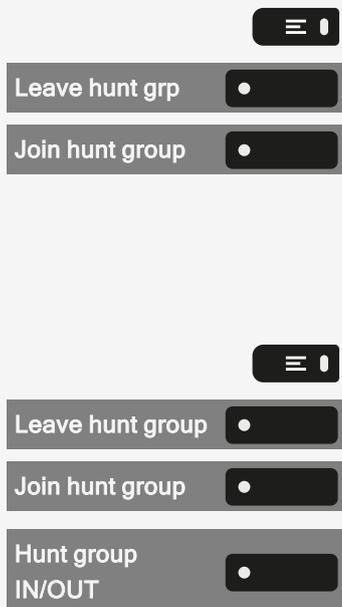
- Optionally, select "Join hunt group".

Hunt group
IN/OUT



- Optionally, select "Hunt group IN/OUT".

The status of the selected group is displayed in the notification area:



- If an "X" appears between the group or line number (e.g. 301) and the group name, the call is active for this group or line.
- No "X" means that the call is deactivated.

Use the navigation buttons to select another group or line number.

Enable or disable a single group or all groups using the following options:

- Group calls off
- Group calls on
- #=All groups off
- *=All groups on

If you have activated the call for another group or line, or deactivated the call for all groups or lines to which you belong, a special dial tone rings when you lift up the handset.

ACCEPTING CALLS FOR A TEAM MEMBER

You can pick up calls for phones within a team on your phone also during a call.

In contrast to the direct station select function, you do not need any configured direct station select (DSS) to do this.

Prerequisite: Your phone rings briefly. In the top row of the display, "Call with:" is displayed, with the phone number or name of the initiator and, on the bottom row, the phone number or name of the caller.

Select "Pickup call" to pick up the call for your team member.

Pickup call



CONNECTING CALL

You can have calls to your handset signalled acoustically on up to five other telephones. The call is received by the person who answers the call first.

If your phone is connected to a system network via LAN, pay attention to specific features.

Saving or displaying or deleting phone for group ringing

Press the key to open the main menu.



Service/Settings



Open "Service/Settings".

Service menu



Select "Service menu".

Destination



Select "Destination".



Ringing group on

Select "Ringing group on".



Connect immediately

Select "Connect immediately".

Enter the phone number. The party's name is displayed.



✓

Save the setting.



Connect immediately

- Optionally, select "Connect immediately".



Display/Clear

- Optionally, select "Display/Clear".



Clear

Select "Clear".

Delete from all ringing group phones



Press the key to open the main menu.



Answer Group OFF

Select "Answer Group OFF".

Other settings and functions

Connection costs

DISPLAY CONNECTION CHARGES FOR YOUR PHONE (NOT U.S.)

Current call

If the costs are to be displayed continuously during an outgoing call, this function must be requested from the administrator of the network operator. The display of the call charges must be applied by the network operator and configured by the administrator.

Depending on the setting, call charges are displayed during or after the call.

Depending on the network provider, free-of-charge external calls will also be displayed. On the display, "no charge" appears before or during the call.

If no charge display is set up, the phone number dialled and the call duration are displayed.

If a call is transferred, the charges are assigned to the phone to which the call was transferred.

For all calls and for the last call held

First the call charges for the last charged call are displayed. After five seconds the connection charges incurred (total) are displayed.

Press the key to open the main menu.

Open "Service/Settings".

Select "Service menu".

Select "More features".

Select "Show call charges".



Service/Settings



Service menu



More features



Show call charges

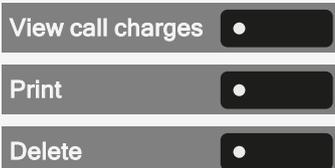


QUERY CONNECTION CHARGES FOR ANOTHER PHONE (NOT U.S.)

If configured, you can also display the fee-based calls from other phones and print these too.

Prerequisite: You have programmed a key with the "View call charges" function (see "Programming the function keys" → page 88).

If the LED lights up, a chargeable call has been made since the last query.



Select "View call charges". The fee-based calls are displayed.

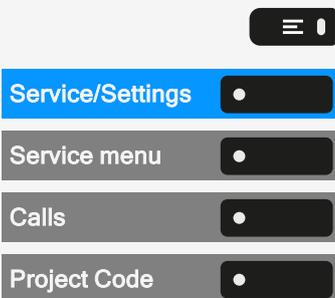
Select "Print" to print the saved connection charges.

Select "Delete" to delete the connection charges overview.

CALLING WITH CALL CHARGE ASSESSMENT

You can assign external calls to certain projects.

Prerequisite: The administrator has set account codes for you.



Press the key to open the main menu.

Open "Service/Settings".

Select "Service menu".

Select "Calls".

Select "Project Code".



Enter the account code and select "Save & Exit".



Enter the external phone number.

You can also enter the account code during an external call in the same way.

Energy saving mode

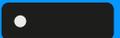
Set how long the phone screen can remain idle before the background lighting automatically switches off and the screen turns dark.

The shorter the time for the screen to dim the less energy is consumed.

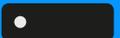
 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



Press the key to open the main menu.

Service/Settings 

Open "Service/Settings".

User settings 

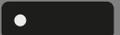
Open "User settings".



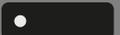
Enter and confirm the user password, if required.

Phone 

Select "Phone".

Energy saving 

Select "Energy saving".

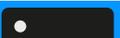
Activate after 

Select "Activate after". The current values are displayed.

- The first value displays the idle time for the screen to reduce brightness.
- The second value displays the idle time for the screen to switch off.

The following options are available:

- 1 min / 5 mins
- 5 mins / 20 mins
- 30 mins / 2 hrs
- 45 mins / 4 hrs
- 60 mins / 8 hrs

Select the activation time.

Save the setting.

Save appointments

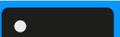
APPOINTMENT FUNCTION

You can arrange for your phone to call you to remind you of an appointment. For this to happen, you need to Save the desired times of the calls. This is possible for the next 24 hours.

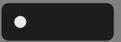
SAVE REMINDERS



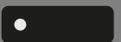
Press the key to open the main menu.

Service/Settings 

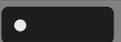
Open "Service/Settings".

Service menu 

Select “Service menu”.

Reminder 

Select “Reminder”. Saved reminders are displayed.

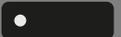
New Reminder 

Select “New Reminder”.

- First reminder: Confirm.
- Other reminder: Select and confirm.



Enter a 3 or 4-figure time, e.g. “845” for “8:45 AM” or “1500” for “3:00 PM”.



Save the setting.

USING TIMED REMINDERS

Prerequisite: You have saved an appointment. The saved time arrives.

The phone rings.

Press the key twice.

- Optionally, lift the handset and put it back down.

The appointment time is displayed for a few seconds.

If you do not accept the arranged call, it will be repeated five times before the appointment is deleted.



Using a different phone for a call in the same way as your own

You can identify yourself with a personal identification number (PIN) on a different phone of the OpenScape Desk Phone system (also on telephones of interlinked OpenScape 4000 systems, e.g. at other company locations). You can use the other phone for the following actions:

- Calling with cost allocation
- Dialling with project assignment
- Checking your mailbox
- Using a phone number stored on your phone for redial
- Entering appointments

With an internal PIN you can divert your calls to another telephone at your place of residence (call forwarding “redirect”).

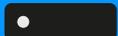
IDENTIFY YOURSELF ON ANOTHER PHONE

Prerequisite: You have received a PIN from your responsible administrator. An internal PIN is required for your own OpenScape Desk Phone system. For other OpenScape Desk Phone systems in the network, you need a network-wide PIN.

Press the key to open the main menu.

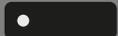


Service/Settings



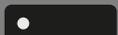
Open “Service/Settings”.

Service menu



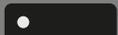
Select “Service menu”

PIN / COS



Select “PIN / COS”.

PIN Number



Select “PIN Number”.



Enter the PIN Number and confirm.

Within your OpenScape Desk Phone system



Enter the internal PIN and press the hash key .

Within your and other OpenScape Desk Phone systems



Enter the 2-digit node code for your OpenScape Desk Phone system.



Enter your phone number and press the hash key .



Enter the network-wide PIN and press the hash key .

Dial after successful identification

You hear the dial tone. “Please dial” is displayed.



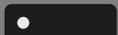
Press the key.



- Optionally, enter a phone number.

Retry call forwarding after successful identification

Call forward



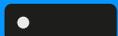
Select “Call forward”. Call forwarding is active.

SWITCH OFF IDENTIFICATION ON ANOTHER PHONE



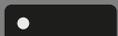
Press the key to open the main menu.

Service/Settings



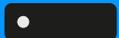
Open “Service/Settings”.

PIN / COS



Select and confirm.

Deactivate PIN



Select and confirm.

The identification is automatically switched off if the different device is not used for several minutes

Watching a video stream through a camera

You can open a video stream by using a camera e.g. from the door phone and watch a real-time video on your phone, when the administrator has configured the device. This enables you to monitor your place.

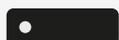
The telephone can control up to four different cameras, but only one of them can be used at a time. Multiple telephone users can watch the video simultaneously.

HOW TO PROGRAM A CAMERA

Example: Programming the door phone's camera

Prerequisite: The function "Direct Video" has been enabled by the administrator.

At first you have to set up a programmable key for the activation/ deactivation of the camera.

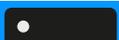


Hold down the key in the left panel or on a connected key module to which you want to assign the camera until the programming prompt is displayed.

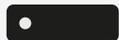


Press the key to open the main menu.

Favourites

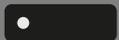


Open "Favourites".



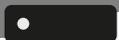
Press and hold the function key to which you want to assign the camera.

Assign local feature



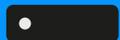
Select "Assign local feature".

Direct Video



Select "Direct Video".

Camera x



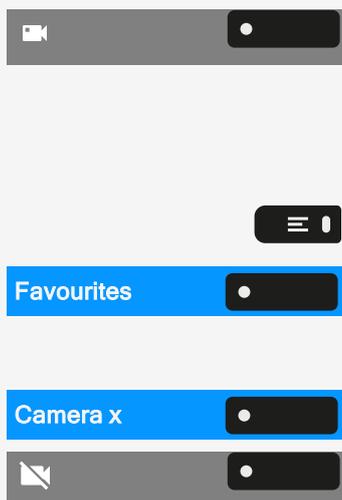
Select the camera.

The key is programmed.

On how to set up a local feature, see "How to program a local feature" → page 93

Activate or deactivate the camera

Prerequisite: The function "Direct Video" has been enabled by the administrator.



When you have configured a programmable key for the camera in the left panel or on a connected key module, you can press the key to turn the camera on.

Using a function key in the menu “Favourites”

Press the key to open the main menu.

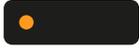
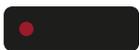
Open “Favourites”.

Select the desired page.

Select the camera. The video turns on.

To deactivate the video, press the key next to the camera icon.

LED DISPLAYS FOR CAMERA KEYS

LED	Meaning
	LED off: the camera is in idle mode.
	LED lights green: Video stream active
	LED lights orange: In progress.
	LED lights red: Failure, contact the administrator if the problem persists.

Managing avatar images

You can download new avatar images to the phone and use them to change the picture of a contact.



You can also configure this setting via the web interface (see "[Web interface \(WBM\)](#)" → page 182).

Uploading an image to the phone

1. Open a browser on a PC that is in the same network as the phone.
2. Enter the URL of the phone (see "[Displaying network information](#)" → page 180) to access the WBM page of the phone.

- Open the tab “User settings” and go to “File transfer > Avatar images”.

- Select “Choose File” and select an image file from the file system. **The file type must be PNG, JPG, or BMP and the image file cannot be larger than 100 kB.**
- Optionally, name the image for better recognition.
- Click “Save & exit” to upload the image to the phone.

After the original image has been successfully uploaded, it will be downscaled to 64x64 pixels.

Deleting an image file from the phone

- On the PC, open the URL of the WBM page of the phone and navigate to “File transfer > Avatar images”.

- Select the image and click “Delete”.

ASSIGNING A CONTACT AVATAR

When transfer process is successful, the image is available on the phone and can be attached to a contact.

Select “Conversations”.

To search for a contact, enter the first letters or the phone number in the search field.

Press the right key to open the conversation screen and then select contact details. Scroll down the contact details to the Avatar option.

Conversations



Avatar: 

Select an avatar image from the list of available images. You can also use the default avatar.

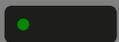
The image is displayed as the avatar for the contact in the conversation list or on a call screen.

Incoming fax message and messages on the answering machine

If a fax or answering machine is connected to your system, and you have assigned the function "FAX/DDIA" to a key, this key lights up when a fax or message arrives.

Switching signalling off

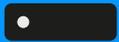
Press the illuminated key. The LED goes out.

FAX/DDIA 

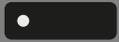
Resetting services and functions

There is a general reset procedure for services and functions.

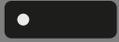
Press the key to open the main menu. 

Service/Settings 

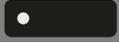
Open "Service/Settings".

Service menu 

Select "Service menu".

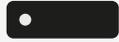
More features 

Select "More features".

Reset phone 

Select "Reset phone". The following functions are deleted, if configured:

- Forwarding on
- Response text on
- Group ringing
- Block phone number
- Waiting tone off
- DND on
- Silent monitor
- Display Messages
- Callback requests

 Confirm the reset.

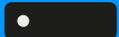
Activating functions for another phone

If configured, you can activate or deactivate the following functions for other phones.



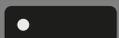
Press the key to open the main menu.

Service/Settings



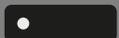
Open "Service/Settings".

Service menu



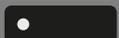
Select "Service menu".

More features



Select "More features".

Associated serv.



Select "Associated serv.".



Enter the internal phone number of the phone for which the function should be activated.

- DND on / DND off, Code *97/#97 (see "Activating or deactivating "Do not disturb"" → page 167)
- Forwarding on, Code *11, *12, *13/#1 (see "Use variable call forwarding" → page 108)
- Lock phone / Unlock phone, Code *66/#66 (see "Protecting the phone from misuse" → page 171)
- Ringing Group, Code *81/#81 (see "Switch group calls on or off" → page 144)
- Absence text on / Absence text off, Code *69/#69 (see "Leaving an advisory message" → page 106)
- Join hunt group / Leave hunt group, Code *85/#85 (see "Switch group calls on or off" → page 144)
- Reset services, Code #0 (see "Resetting services and functions" → page 155)
- Night answer on / Night answer off, Code *44/#44 (see "Using night service" → page 164)
- Alarm call on / Alarm call off, Code *46/#46 (see "Using timed reminders" → page 150)



Enter code, e.g. *97 for "DND on".

Follow the instructions on the display for further input.

Using system functions externally - DISA (Direct Inward System Access)

If configured, you can establish an outgoing external connection via your OpenScape Business phone both externally and as an internal party. Otherwise the following functions can be activated and deactivated:

- Reset services, Code #0 (see "Resetting services and functions" → page 155)
- Forwarding on / Forwarding off, Code *1/#1 (see "Use variable call forwarding" → page 108)
- Lock phone / Unlock phone, Code *66/#66 (see "Protecting the phone from misuse" → page 171)
- Change Access Code, Code *93 (see "Saving personal lock code" → page 172)
- Send Message / Display Messages, Code *68/#68 (see "Sending information (message)" → page 107)
- Message, Code *69/#69 (see "Leaving an advisory message " → page 106)
- Hunt group IN/OUT, Code *81/#81 (see "Switch group calls on or off" → page 144)
- Hunt group join/leave *85/#85 (see "Switch group calls on or off" → page 144)
- Block dialling, Code *86/#86 (see "Caller ID suppression" → page 168)
- Waiting tone off / Waiting tone on, Code *87/#87 (see "Allowing call waiting" → page 84)
- Door opener, Code *61 (see "Door opener" → page 159)
- Door opener on / Door opener off, Code *89/#89 (see "Door opener" → page 159)
- DND on / DND off, Code *97/#97 (see "Activating or deactivating "Do not disturb"" → page 167)
- Silent ring. on / Silent ring. off, Code *98/#98 (see "Activating or deactivating the idle function" → page 167)
- Speed Dial, Code *7 (see "Using speed dial" → page 104)
- Associated serv., Code *83 (see "Activating functions for another phone" → page 156)

Prerequisite: You have a phone with tone dialling (DTMF transmission) or you can switch your phone to tone dialling. The phone is not connected to OpenScape Business.

Creating a connection to OpenScape Business



Enter the phone number.



Wait for continuous tone (if needed switch phone to tone dialling), then enter the internal phone number assigned to you and the associated personal locking code.



Enter code (only necessary if programmed in system).



Wait for dialling tone and enter code, e.g. *97 for "DND on". If needed make further entries (refer to the user guide for pulse / DTMF phones).



- Optionally, dial the external number.

- For every call, only one function or one working call may be carried out.
- Following the successful activation of a function, the connection is immediately interrupted.
- The connection is ended in an external call as soon as one of the call partners leaves.

Controlling connected computers / programs / phone information service

If configured, you can control, e.g. hotel services or information systems with the computer connected to your telephone or its programs.

Prerequisite: You have established a connection.

Press the key to open the main menu.

Open "User settings".

Enter and confirm the user password, if required.

Select "Phone".

Select "TD Service". You are asked by the connected computer to enter the data. For this you can enter your input in the following ways.

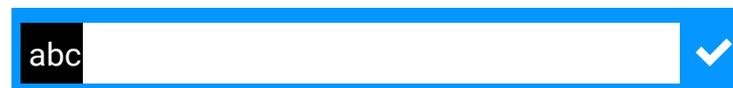
Input in block mode



Enter the data.

Input in online mode

The connected computer directly processes your input.



Enter the code.

Enter the data.

User settings

Phone

TD Service

Searching for people via pager (not U.S.)

If radio paging equipment (RPE) is enabled, you can search for people via your pocket receiver. The pocket receiver signals the call request to the pager. The person with the pager can go to the nearest phone and answer.

To ensure you can be searched for, you must have activated one of the following options:

- A ringing group (see "Connecting call" → page 145)
- Call forwarding or alternative call forwarding to the internal party phone number of your RPS (see "Use variable call forwarding" → page 108).

A call request is then automatically relayed to the receiver.

Reacting to a search request



Lift the handset.



Enter the code.



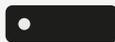
Enter your phone number.

Door opener

PROGRAMMING THE DOOR OPENER

Prerequisite: The function "Door opener" has been enabled by the administrator.

First you must set up a programmable key to open a door (also refer to "Programming the function keys" → page 88).

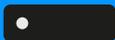


Long press the function key in the left panel or hold down the function key on a connected key module to which you want to assign the function "Door opener" until the programming prompt is displayed.



Press the key to open the main menu.

Favourites

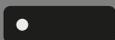


Open "Favourites".



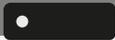
Press and hold the function key to which you want to assign the door.

Assign local feature



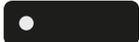
Select "Assign local feature".

Door opener



Select "Door opener".

LED DISPLAYS FOR DOOR OPENER KEYS

LED	Meaning
	LED off: The door opener is in idle mode.
	LED lights green: Door opened
	LED lights orange: In progress.
	LED lights red: Failure, contact the administrator if the problem persists.

OPENING THE DOOR WITHOUT RECEIVING A CALL

Prerequisite: The function has to be enabled by the administrator.

With programmable key

When you have configured a programmable key to open the door, you can press the relevant key to open the door for your visitor without receiving a call from the door phone.

Press the key in the left panel or on a connected key module to which the function “Door opener” function has been assigned.

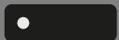
When the assigned key is not on the idle screen

Press the key to open the main menu.

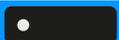
Open “Favourites”.

Select “Door opener”. The door opens.

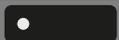
Door opener



Favourites



Door opener



RECEIVING A CALL FROM THE DOOR PHONE

Prerequisite: The function “Door opener” has been configured by your administrator. Since you have a door phone with an embedded camera, direct video must be enabled by the administrator, too.

If the service engineer has set up a door phone and the administrator has configured it, you can speak to the visitors and activate the door opener from the phone.

When someone rings at the door, you will receive an incoming call from the door.

If the administrator has enabled automatic video for your door opener (default), you will also see the camera image.

Speaking with a visitor over the door terminal

Prerequisite: The phone is called from the door phone.

Lift the handset. You are connected to the entrance phone.

- Optionally, press the speakerphone key.
- Optionally, select "Answer".

You can now talk with your visitors.

Rejecting a call from the door phone

Press the corresponding function key. The call is rejected.

OPEN A VIDEO STREAM BEFORE ANSWERING A DOOR PHONE CALL

Prerequisite: Telephone is called from the door phone. The door opener and the direct video has been configured by the administrator.

You can watch the video stream of your entrance before opening the door.

Select "Show video".

Multiple cameras

Press the key to see the video screen of another camera.

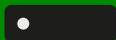
Press the key to answer the call.

Press the key to turn the video off. Alternatively press the function key configured for the camera (also refer to "Watching a video stream through a camera" → page 152).

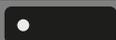
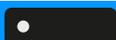
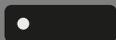
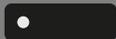
The video turns off. You can turn it on by pressing the button again.



Answer



Show video



Open a video stream after answering a door phone call

Prerequisite: The functions “Door opener” and “Direct Video” have been configured by the administrator. A call from the door phone has been answered.



Select the icon to activate the video.



Select the icon to turn the video off.



Press the key to end the call.

OPENING THE DOOR



Press the key to open the door.

Special functions with networking

If the phone is integrated into an environment, in which several OpenScape Business phones are connected to form a single network, you will carry out calls via the network.

If this is the case, take note of the specific features of some functions. These are described below.

Leaving or entering a “hunt group”

Prerequisite: A hunt group is set up for the team.

You can leave the hunt group at any time, e.g. when you leave the workplace. When you are present, you enter the group again.

You also remain contactable when disconnected via your own phone number.



Press the key to open the main menu.

Service/Settings

Open “Service/Settings”.

Service menu

Select “Service menu”.

Feature settings

Select “Feature settings”.

Join hunt group

Select “Join hunt group”.

Deactivate

Select “Deactivate”.

Activate

- Optionally, select “Activate”.

Tracing call forwarding

You can activate or deactivate call forwarding for your phone from other phones in the network (see “Use variable call forwarding” → page 108).



Press the key to open the main menu.

Internal DISA

Select “Internal DISA”.



Enter the DISA phone number of your OpenScape Business network and confirm.



Enter the DISA phone number of your phone and confirm.



Activating

Select “Forwarding on”.

Select one of the following options:

- 1=all calls
- 2=External
- 3=intnl

Enter the destination phone number.

Save the setting.



Deactivating

Select “Forwarding off”.



Using night service

If authorized, you can set phones on other OpenScape Business systems as night destinations.

Press the key to open the main menu.

Select “Internal DISA”.

Enter the DISA phone number for the OpenScape Business network to which the night destination phone is connected and confirm.

Enter the DISA phone number of the phone from which you are activating or deactivating night answering and confirm.

Activating

Select “Night answer on”.

Enter the destination number, e.g. temporary night answer.

Save the setting.



Deactivating

Select “Night answer off”.



Ringling group

You can also have calls to your handset relayed to external phones or to phones in other OpenScape Business systems (see "Connecting call" → page 145).

Press the key to open the main menu.



Service/Settings

Open "Service/Settings".

Service menu

Select "Service menu".

Destination

Select "Destination".

Ringling Group

Select "Ringling Group".

Connect

Select "Connect".



Enter the internal phone number of the participant. The name is displayed.

✓

Save the setting.

- Optionally, select "Connect" to add participants.

Displaying and removing participants

Display/Clear

Select "Display/Clear".

Delete

Select "Delete" to delete the currently displayed party from the ringing group.

If the phone is connected to a ringing group, you can see the phone number or name of the initiator on the display (top row) and that of the caller (bottom row).

Delete from all ringing group phones

Press the key to open the main menu.



Ringling Group
OFF

Select "Ringling Group OFF".

Releasing the door

If configured, you can also activate the door release from other OpenScape Business systems (see "Door opener" → page 159).

Press the key to open the main menu.



Internal DISA

Select "Internal DISA".

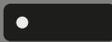


Enter the DISA phone number for the OpenScape Business network to which the night destination phone is connected and confirm.



Enter the DISA phone number of the phone from which you are activating the door release and confirm.

Door opener



Select "Door opener".



Enter the door terminal phone number and confirm.

Privacy and security

Activating or deactivating the idle function

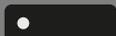
If you do not want to take calls, you can activate idle mode. Calls are only displayed via **one** call symbol and on the display.

Press the key to open the main menu.

Select "Silent ringing on" or "Silent ring. off".



Silent ringing on



Activating or deactivating "Do not disturb"

If you do not wish to take calls, you can activate do not disturb. Internal callers hear the ringing tone and the message "Do not disturb." External callers are forwarded to the operator. The administrator can also set up call forwarding destinations to redirect internal and external calls.

If your phone belongs to an ONS group, note that the call protection can be switched on or off on each phone of the ONS group and then applies to all phones in the ONS group.

Prerequisite: The administrator has generally released the do not disturb for all participants in the system.

Press the key to open the main menu.

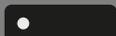
Select "Do not disturb". The display shows whether do not disturb is switched on or off.

Press the key to switch mode.

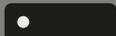
A sound reminds you that do not disturb is activated after you lift the handset. Also, the icon  is displayed in the status bar.



Do not disturb



Do not disturb



The operator can bypass the call protection and reach you. If the administrator has generally blocked the function "Do not disturb" for the phone, the icon  does not appear in the status bar.

Enabling or disabling the speaker call protection

You can prevent yourself from being contacted directly. Any attempt to talk to you directly via the loudspeaker will then result in a normal call.



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

Service menu

Select "Service menu".

Feature settings

Select "Feature settings".

Speaker Calling

Select "Speaker Calling". The display shows whether the speaker call protection is switched on or off.

Enable or disable the speaker call protection.

Caller ID suppression

The display suppression applies only to a subsequent call and is not stored during the redial selection.



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

Service menu

Select "Service menu".

More features

Select "More features".

Caller ID suppression

Select "Caller ID suppression". The dial tone is audible.



Enter the phone number of the subscriber. If the subscriber accepts the call, your number is not displayed.

Setting the user password

The user password protects the individual configurations, including language settings. You can also use the user password to lock your phone (see "[Locking the phone](#)" → page 171).

The following settings may apply:

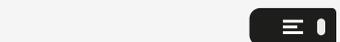
- The password is deactivated: You do not have the option of configuring user settings. The message "Password is disabled" is displayed.
- The password is temporarily locked: You do not have the option of configuring user settings at this time. The message "Password is suspended" is displayed.
 - After initially logging on to a user area, you may have to replace the default password with a new password.
- A password can have a predefined period of validity: You will have to create a new password when the period ends. The message "Change password (x days left)" will alert you at the appropriate time. The message "Password has expired" appears when the validity period is over.
 - Confirm "Change password" and change the password as described in this section.
- If you repeatedly enter the wrong password (2 to 5 times), additional attempts are blocked. You can make another attempt after a predefined time.
- It is possible that you will not be able to re-use a previously used password for a period of time, which means you have to create another "new password".
- The administrator can tell you about the rules for the characters and digits that must be used in the password.

The preset password "000000" corresponds to an empty password. The phone cannot be locked, access to WBM is not allowed and the user menu is **not** password protected (see also "Deactivating the password prompt" → page 170).

 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).

Setting a new password

Press the key to open the main menu.



Open "Service/Settings".



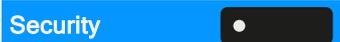
Open "User settings".



Enter and confirm the user password, if required.



Select "Security".



Select "Change user password".



Select "Current password".



Enter the current password and conclude your input with the function key.



New password

Select "New password".

123



Enter the new password and conclude your input with the function key.

Confirm password

Select "Confirm password".

123



Repeat the new password and conclude your input with the function key.



Save the setting.

The new password is now valid.

Deactivating the password input

To deactivate the user password, follow the procedure described above and set the new password to the default setting "000000".

DEACTIVATING THE PASSWORD PROMPT

You can deactivate the phone's password prompt if a password has already been configured.

The deactivation of the password prompt does not affect the web interface or CTI applications that use a password prompt.

- As long as the password prompt is deactivated, you do not have access to the web interface via the user settings.
- If you deactivate the password prompt, you can **no longer** lock the phone and the user menu is **not** password protected.



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



Enter and confirm the user password, if required.

Security

Select "Security".

Change user password

Select "Change user password".

Current password

Select "Current password".

123



Enter the current password.

New password

Select "New password".

123



Enter six zeros ("000000") to deactivate the password prompt.

Confirm password

Select "Confirm password".

Enter six zeros ("000000") once again.



Save the setting.

Locking the phone

To protect the phone against unauthorized access, you can lock the phone so that nobody can make calls or change settings without knowing the user password.

Predefined numbers from the dial plan can still be dialled when the phone is locked. For more information, contact your administrator.

You can only lock the phone if you set a user password (see "[Setting the user password](#)" → page 168). The password must **not** be the default setting "000000". Check if the phone lock function has been activated by the administrator.

PROTECTING THE PHONE FROM MISUSE

You can stop unauthorized parties from using certain functions on your phone while you are away, e.g. the dialling of external phone numbers and access to your mailbox can be prevented.

Ask the administrator which functions are locked.

Locking the phone

Press the key to open the main menu.

Lock phone

Select "Lock phone".



Enter the lock code (see "Saving personal lock code" → page 172).

- In locked mode, a special dial tone rings when you lift the handset. You can dial internal numbers as usual.
- Your phone can also be (un)locked from an authorized station (see "Locking a different phone to prevent misuse" → page 172).

Unlocking the phone

Press the key to open the main menu.

Select "Unlock phone".

Enter the lock code (see "Saving personal lock code" → page 172).



Unlock phone



LOCKING A DIFFERENT PHONE TO PREVENT MISUSE

If configured, you can lock other phones against unauthorized use and then unlock them.

If the phone user has locked their phone and forgotten the personal lock code, you can unlock the phone using this function.



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

Service menu

Select "Service menu".

PIN Number

Select "PIN Number".

Central lock

Select "Central lock".



Enter the internal phone number of the phone that should be (un)locked.

* = Code Lock

Select "* = Code Lock On" or "# = Code Lock Off".

SAVING PERSONAL LOCK CODE

To lock the phone and for using a different phone in the same way as your own, you must enter a personal code (PIN) that you define for yourself.



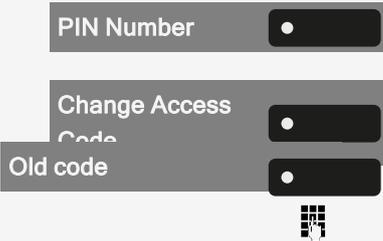
Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

Service menu

Select "Service menu".

A screenshot of a mobile phone's security settings menu. The 'PIN Number' option is selected, indicated by a white dot in a dark circle. Below it are 'Change Access Code' and 'Old code' options, also with selection dots. At the bottom, there is a numeric keypad icon.

PIN Number

Select "PIN Number".

Change Access
Code

Select "Change Access Code".

Old code

Select "Old code".

Enter the current 5-digit PIN. If you have not assigned a PIN, use the default: "00000".

New code

Select "New code".

Enter the new 5-digit PIN.

Re-enter the new code.

If you have forgotten your code, contact the administrator.

DIALLING EMERGENCY NUMBERS

If an emergency number is entered on the phone by the administrator, "Emergency call" is displayed when you have activated the lock. You can also enter an emergency number via the dialpad.

A screenshot of a mobile phone's security settings menu. The 'Emergency call' option is selected, indicated by a white dot in a dark circle.

Emergency call

Select "Emergency call". The pre-set emergency number is dialled.

The number is dialled automatically without pressing , and an empty option is displayed. Therefore if you accidentally press , the call will not be cancelled.

Local phone settings

Volumes

Set the volume here, for instance, for the loudspeaker, handset, or headset.

 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



Enter and confirm the user password, if required.

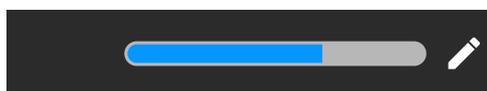
Audio

Select "Audio".

Volumes

Select "Volumes". You can set different volumes for the following microphones and signals in ten volume levels:

- Loudspeaker
- Ringer
- Handset
- Headset
- Handsfree
- Rollover
- Warning tone



Select "Edit".



Use the function key to increase the value.



Use the function key to decrease the value.



- Optionally, use the keys on the dialpad.



Save the setting.



Set local ringtones

RINGER MODE

The following ringer mode options determine who generates the ringtone on the phone:

- OpenScope: the system emits the ringer type and the related ringer, which you can adjust later (see "Volumes" → page 174).
- Local ringer: the phone sends the ringtone type and you determine which ringtone should be used for the respective ringtone type in the "local ringtone" menu.

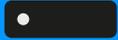


You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



Press the key to open the main menu.

Service/Settings



Open "Service/Settings".

User settings

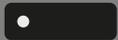


Open "User settings".



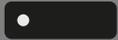
Enter and confirm the user password, if required.

Audio



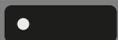
Select "Audio".

Ringer



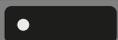
Select "Ringer".

Ringer mode



Select "Ringer mode".

Mode



Select "Mode".



Save the setting.

Secure call alert

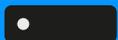


You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



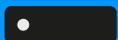
Press the key to open the main menu.

Service/Settings



Open "Service/Settings".

User settings

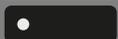


Open "User settings".

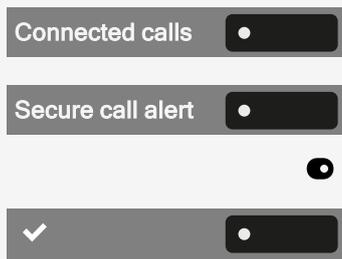


Enter and confirm the user password, if required.

Configuration



Select "Configuration".



Select “Connected calls”.

Select “Secure call alert”.

Enable or disable the “Secure call alert”.

Save the setting.

Block dialling for outgoing calls

If block dialling is displayed, when deleting a phone number, for example, all of the characters available in the field are deleted at once. If block dialling is switched on, you can delete individual characters.

 You can also configure this setting via the web interface (see “Web interface (WBM)” → page 182).



Press the key to open the main menu.



Open “Service/Settings”.



Open “User settings”.



Enter and confirm the user password, if required.



Select “Configuration”.



Select “Outgoing calls”.



Select “Block dialling”.



Enable or disable “Block dialling”.



Save the setting.

Using Microsoft® Exchange

If configured, the phone imports contacts from Microsoft® Exchange and keeps them updated by the Microsoft® Exchange services.

Microsoft® Exchange is not included in a search but imported contacts are part of a conversations search.

Setting up Microsoft® Exchange access

 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).

Press the key to open the main menu.

Open "Service/Settings".

Open "User settings".

Enter and confirm the user password, if required.

Select "Configuration".

Use the navigation keys to scroll, if required.

Select "Microsoft® Exchange".

Edit the settings for the Microsoft® Exchange server by entering the following information:

- IP address of the server
- Username
- User password
- Folder (optional) for the source data

Save the setting.

Configuring the connection to UC

To use the settings for "Presence", you must be logged in to the UC server (see "Presence status" → page 79).

 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).

Press the key to open the main menu.

Open "Service/Settings".

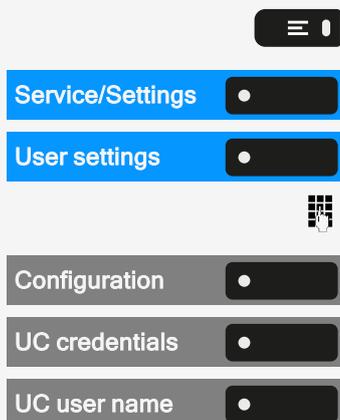
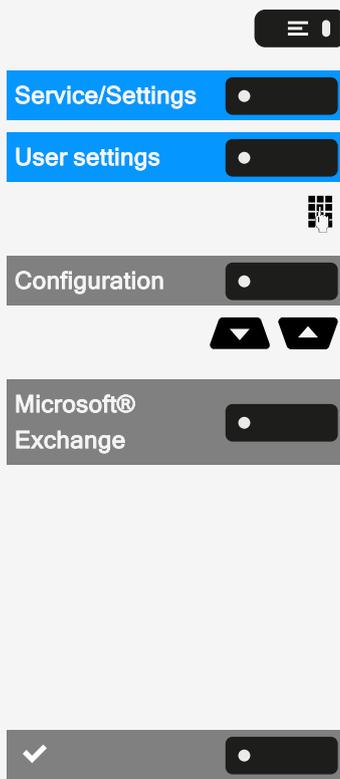
Open "User settings".

Enter and confirm the user password, if required.

Select "Configuration".

Select "UC credentials".

Select "UC user name".





Enter the user name and conclude your input.

Select "UC password".

Enter the password and conclude your input.

Save the setting.

UC JOURNAL

The Journal is the list of all your inbound and outbound calls. You can use it to quickly and easily call your contacts again or to respond to missed calls.

The phone shows the same list as any other UC client. The conversation entries are downloaded directly from the UC server and the local **Conversations** list is updated.

Call entries

All calls logged (incoming or outgoing) for the same number are represented by a single entry in the Conversations list. Entries in the Conversations list are displayed chronologically, thus the first entry shown is the latest call.

The phone can display up to 200 different conversation entries in the Conversations list.

The number of total provided entries that are finally displayed in the Conversations list depends on the connected UC server (i.e. the UC server of OpenScape Business limits the conversations to 25 entries).

The entries are displayed until they are deleted by OpenScape Business or when the maximal entries count is exceeded. As the Conversations list is controlled by the UC server, there is no option to delete a conversation or all conversations locally on phone.

Every entry in the Conversations list shows up to 10 call log entries, provided from the UC server. Call logs are displayed in the call history in chronological order.

Updates

The journal is updated when it receives an event from OpenScape Business.

UC Smart sends the event "JournalEvent" and the phone creates or updates the entries in journal.

UC Suite does not send this event. A new entry in the journal is created in the end of call.

Group calls

When you receive a group call, the call screen displays the incoming call as a single conversation.

The phone shows a missed group call as a separate conversation.

In case the OpenScape Business does not provide the name of the group, then the phone number of the group is displayed.

Enabling UC journal

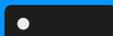
You can access your UC Journal on your phone so you have the same list as on your other UC clients. The Conversations will be downloaded directly from the UC server and local conversation list will be replaced.

 You can also configure this setting via the web interface (see "Web interface (WBM)" → page 182).



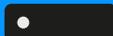
Press the key to open the main menu.

Service/Settings



Open "Service/Settings".

User settings

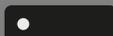


Open "User settings".



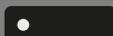
Enter and confirm the user password, if required.

Configuration



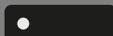
Select "Configuration".

UC credentials



Select "UC credentials".

Allow UC Journal



Select "Allow UC Journal".

OPENSCAPE UC VOICEMAIL

Prerequisites:

- UC mode is configured (see "Configuring the connection to UC" → page 177)
- „Allow UC Journal“ is enabled (see "UC Journal" → page 178)

When the OpenScape UC Voicemail is activated, the UC server provides all necessary data, including voice streams when playing messages.

When new voicemails from a contact are received, voicemail notifications are shown in the Conversation list.



Press the navigation key to access the Conversation details.

Voice messages

Select “Voice messages” to show the list of voice messages for the particular contact.

The selected new voice message will be displayed with different options.

Select the desired option, e.g. “Play message”. You can stop the message during playing.

Displaying network information

This overview displays information about the IP address or name of the phone, and the HTML address of the web interface. It also provides real-time data about the network activity of the phone.

Press the key to open the main menu.

Service/Settings

Open “Service/Settings”.

User settings

Open “User settings”.



Enter and confirm the user password, if required.

Network information

Select “Network information”. The following information is displayed:

- **DNS name:** Name or number of phone.
- **URL:** HTTP address of the web interface. This address is specified in the address line of the Internet browser and is used to call up the web interface of the phone in the browser.
- **IPv4 address:** Displays the IP address or name that was assigned to the phone in the network.
- **IPv6 Global Addr.:** Displays the global IPv6 address.
- **IPv6 Linklocal Addr.:** Displays the local IPv6 address.
- **LAN RX / PC RX:** The network or PC interface data packets received are illustrated dynamically in graphical form.
- **LAN TX / PC TX:** The network or PC interface data packets sent are illustrated dynamically in graphical form.
- **LAN autonegotiation:** Displays whether the network data transfer rate is set to automatic (“Yes”) or manual (“No”).
- **LAN information:** Data transfer rate of the network. If an interface is not in use, the information “Link down” is displayed.
- **PC autonegotiation:** Displays whether the PC interface data transfer rate is set to automatic (“Yes”) or manual (“No”).
- **PC information:** Data transfer rate of the PC interface. If an interface is not in use, the information “Link down” is displayed.

Resetting user data

The following user-specific settings can be reset to factory settings.

The user data is reset **without** a warning.

- Display settings
- Language setting
- Screensaver (Some images for the screen saver will be deleted or deleted default images will be restored.)
- Audio settings
 - Volumes
 - Settings (Some ringer files will be deleted or deleted default ringer files will be restored.)
- Bluetooth
 - Configuration and lists
- Keys
 - All personalized programming is deleted (see "Resetting all assigned functions to keys " → page 92).

Initiating the reset

Press the key to open the main menu.

Service/Settings

Open "Service/Settings".

User settings

Open "User settings".



Enter and confirm the user password, if required.

Reset

Select "Reset".

The user data is reset to factory settings.

Web interface (WBM)

You can configure a number of settings for your phone via the “Web Based Management” (WBM). The information is transferred via a secure HTTPS connection.

Access to the web based management must be activated by the administrator.

Launching the web interface

For more information on the IP address, the web interface address, and how to connect the phone to the network, refer to the section "[Displaying network information](#)" → page 180.

1. To launch the interface, open a web browser and enter one of the following addresses:
 - **https://[IP address of the phone]**
[IP address of the phone] is the IP address of the phone.
 - **https://[Name of the phone]**
[Name of the phone] that was assigned by the administrator.
2. You might receive a certificate notification from the browser. Follow the instructions to download the certificate.
3. You will be prompted to configure a user password the first time you call up the WBM interface. You must log in with this password the next time you want to open the “User settings”.

Administrator settings

This area lets you configure settings for administering your phone and the network environment. Access to the “Administrator settings” is protected by the administrator password.

For further information, consult the administrator or refer to the administration manual.

Logging into the user settings

The web interface homepage opens once you have entered and confirmed the phone's IP address.

1. Enter the user password, if required.
2. Click a menu heading to display the individual menu entries.
3. Click the menu heading again to close the menu.
4. Click a menu entry to open the corresponding form.
5. Make the desired changes.
6. Click the corresponding button to save or discard your changes.

Button functions

- **Login:** Log in to the phone after you have entered the user password
- **Save & exit:** Apply changes
- **Reset:** Reset original values
- **Refresh:** Update the values.
- **Logout:** Log out from the phone

User menu

All settings in the user menu of the WBM interface can also be made via the user menu on the telephone.

Licenses

This area provides you with the information about EULA (End User License Agreement) and Open Source licenses. For further information, consult your administrator or refer to the administration manual.

Importing contacts via WBM

You can import your contacts into your phone through WBM interface. The contact file can be exported from Outlook or OSM (discontinued).

See the products documentation for instructions on how to export contacts from an Outlook client or OSM.

Files previously exported by this or another phone may also be imported.

Downloading a contact list via the browser

1. Open the user pages in the browser with the URL of the phone.
2. Log on to the "User Settings" using your password.
3. Select "Contacts transfer".

Contacts transfer

Import contact data

Choose the Comma Separated file you wish to import

Durchsuchen...

Import Cancel

Press to see import results

Export contact data

[Generate contacts file](#)

[Download contacts file](#)

Closing or navigating away from this page will cancel the Import or Export

4. Click on "Choose file" and navigate to a local or remote folder.
5. Select a file.
 - The default format is ".csv".
 - You can use comma or a semi-colon as a value separator for the imported CSV file.
 - When exporting from Outlook, do not change the mapped header field names.
6. Confirm. The path to the file is displayed on the page when you select the destination and close the window.
7. Select "Import". While the import is in progress you may notice some deterioration in the phones performance.

Picture clips (avatars) are not included as part of the import.

The progress and outcome of the import is displayed.

- A completion message is displayed when the "Press to see import results" button is pressed.
- A successful import will be indicated by a "Import completed" text message below the panel on the page.
- A message "Import contacts completed" will also be displayed on the phone's screen when the import is completed.
- Failures will be indicated by a suitable text message below the panel on the page.

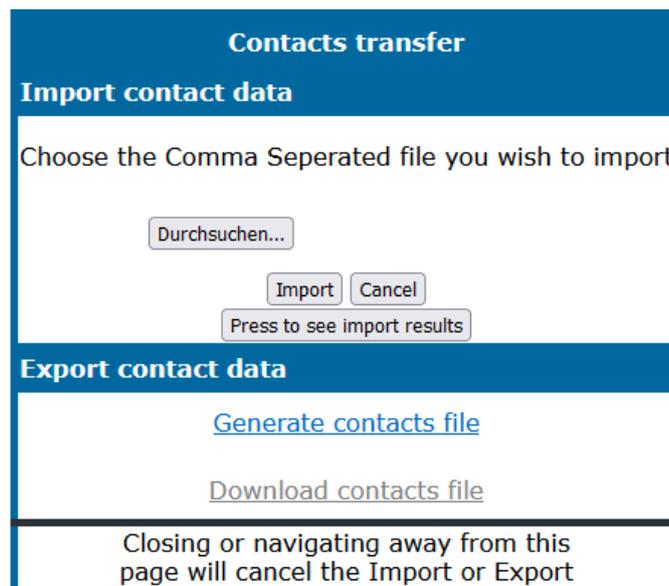
Exporting contacts via WBM

You can export your contacts from your phone through WBM interface so you can use them elsewhere.

Downloading a contact list from the phone via the browser

When exporting contacts via Internet Explorer browser, the contacts file “*.CSV” is written directly on to the browser page and must be copied and pasted.

1. Open the user pages in the browser with the URL of the phone.
2. Log on to the “User settings” using your password.
3. Select “Contacts transfer”.



The screenshot shows a web interface titled "Contacts transfer". It is divided into two main sections: "Import contact data" and "Export contact data".

Import contact data: This section contains a text prompt "Choose the Comma Separated file you wish to import" above a file selection area. The area includes a "Durchsuchen..." button, an "Import" button, a "Cancel" button, and a "Press to see import results" button.

Export contact data: This section contains two links: "Generate contacts file" and "Download contacts file".

At the bottom of the interface, a warning message states: "Closing or navigating away from this page will cancel the Import or Export".

4. Select “Generate contacts file” and a new internal file containing all the valid contacts will be created. The default format is “.csv”.
5. Select “Download contacts file”. The *.csv file will be downloaded to your PC with the file name “CP_contacts.csv.”
6. You can then move and rename the file via PC.

Navigating away from this page will remove the internal file and the “Download contacts file” link becomes inactive.

Fixing problems

Error and warning messages

Indications that represent full errors that make normal operation impossible are displayed as “errors”.

Indications that represent conditions where the phone can still be used but will operate subject to certain restrictions are displayed as “warnings”.

Both error and warning messages (bar shaped notifications) are removed as soon as the relevant condition no longer applies.

An indication may contain multiple codes when more than one condition applies at the same time.

Any error, warning, or notification is displayed in a shortened form if the user scrolls to a menu option that is covered by a normal length of the notification (thus allowing the user to access the last menu item).

Cloud deployment errors are now shown as warning sausages.

Caring for your phone

- Never allow the telephone to come into contact with colouring, oily or aggressive agents.
- Always use a damp or antistatic cloth to clean the telephone. Never use a dry cloth.
- If the telephone is very dirty, clean it with a diluted neutral cleaner containing surfactants, such as a dish detergent. Afterwards remove all traces of the cleaner with a damp cloth (using water only).
- Never use cleaners containing alcohol, cleaners that corrode plastic or abrasive powders!

Troubleshooting

During operation, error or warning messages are displayed

Error messages (red notification) are displayed where the bracket identifies one or more codes that can be looked up by the administrator:

- No telephony possible (R**, L*, DO, TT)
 - Example "No telephony possible (LI, RF2)"

Warning messages (yellow notification):

- Limited keyset (WSS)
- Limited service (B8, NT) (where a failure may disrupt operation)
- Deployment error (A*, R*, D*) (where cloud deployment failed)
 - Example "Limited service (NT)"

Pressed key does not respond

If the phone is locked, selected dialling keys on the key module cannot be used. This also applies even if an emergency number is saved on this key.

- Check whether your phone is locked (The following message appears on the screen: "Phone locked. To unlock enter the PIN.").
- If the phone is locked, enter your PIN to unlock it.

The phone does not ring on call

- Check whether the ringer is deactivated (see icon in the status bar on the display).
- If it is deactivated, activate the ringer.

You cannot dial a number

- Check whether your phone is locked (The following message appears on the screen: "Phone locked. To unlock enter the PIN.").
- If the phone is locked, enter your PIN to unlock it.

Messages during remote configuration

If an error occurs during web deployment, it will be reported on the display. The following error codes are possible:

Code	Priority	Description
AU	1	Cancelled by user Appears if the PIN entry was rejected
RS	1	The IP address of the Unify redirect server cannot be retrieved. DNS query failed.

Code	Priority	Description
RN	3	A connection cannot be established to the Unify redirect server - No response
RR	2	A connection cannot be established to the Unify redirect server - Rejected
RU	1	A connection cannot be established to the Unify redirect server - Not authorized
RO	3	A connection cannot be established to the Unify redirect server - No or invalid OCSP response
RV	2	A connection cannot be established to the Unify redirect server - Certificate invalid
DS	1	The IP address of the deployment server cannot be retrieved. DNS query failed.
DN	3	A connection cannot be established to the deployment server. - No response
DR	2	A connection cannot be established to the deployment server. - Rejected

In such cases, contact the administrator and specify the error code.

Contact administrator in case of problems

Contact your administrator if a fault persists for more than 5 minutes, for example.

Functions and codes in overview (alphabetical)

The following table shows all possible functions, as shown on the display. When configured (ask your service personnel), you can initiate the functions in the direct dialogue (select & confirm), via the service menu (select & confirm or code) or via keys configured as function keys.

Functions displays	Direct	Via Service menu		With key
			Code	
Accept call waiting (camp-on)	✓	✓	*55	X
Waiting tone off	✓	✓	*87	X
Waiting tone on	✓	✓	#87	X
Automatic call wait.on		✓	*490	X
Automatic call wait.off		✓	#490	X
Headset (Headset)				X
Accept call	✓			
Reject call	✓			
Disconnect				X
DND on	✓	✓	*97	X
DND off	✓	✓	#97	X

Functions displays	Direct	Via Service menu		With key
			Code	
Universal Call Distribution				
Log on		✓	*401	X
Log off		✓	#401	X
Available		✓	*402	X
Not available		✓	#402	X
post-processing on		✓	*403	X
post-processing off		✓	#403	X
UCD night on		✓	*404	X
UCD night off		✓	#404	X
Calls in queue		✓	*405	X
Advisory msg. on	✓	✓	*69	X
Advisory msg. off	✓	✓	#69	X
assoc. Services		✓	*83	X
associated dialing		✓	*67	X
Recording				X
Override	✓	✓	*62	X
Audio baby monitor		✓	*88	X
DATA I/O Service			*494	X
Reset services		✓	# 0	X
Speaker call		✓	*80	X
Handsfree answerback on	✓	✓	*96	X
Handsfree answerback off	✓	✓	#96	X
DISA				

Functions displays	Direct	Via Service menu		With key
			Code	
Internal DISA	✓	✓	*47	X
Discreet calling			*945	
Shift (Shift)				X
Telephone test		✓	*940	
Tracing a call		✓	*84	X
Temporary phone		✓	*508	X
Group calls on	✓	✓	*85	X
Group calls off	✓	✓	#85	X
All Groups on	✓	✓	*85*	X
All Groups off	✓	✓	#85#	X
Hot line				
Send message	✓	✓	*68	X
View sent messages	✓	✓	#68	X
Show messages	✓	✓	#68	X
Mailbox				X
Keypad dial		✓	*503	
Conference	✓	✓	*3	X
Start Conference	✓			
Adding a party	✓			
End conference	✓	✓	#3	
Release participants	✓	✓		
Disconnect TLN conference			*491	

Functions displays	Direct	Via Service menu		With key
			Code	
Show call charges (own Phone)		✓	*65	X
Check costs (other Phone)				X
Select speed-dial number		✓	*7	X
Select speed-dial (individual)		✓	*92	X
Line queuing	✓			X
Toggle/connect	✓	✓	*2	X
DTMF dialing		✓	*53	X
Microphone off			*52	X
Microphone on			#52	X
Mobile login log off			#9419	✓
Mobile login login			*9419	✓
Night answer on	✓	✓	*44	X
Night answer off	✓	✓	#44	X
Parking a call		✓	*56	X
Retrieve call		✓	#56	
Paging				
Report (not for U.S.A)		✓	*59	
Project code		✓	*60	X
Consultation	✓			X
Return to held call	✓	✓	*0	
end and back	✓	✓	*0	
Transfer/Accept	✓			

Functions displays	Direct	Via Service menu		With key
			Code	
Callback	✓	✓	*58	X
View/delete callbacks	✓	✓	#58	
Block phone number	✓	✓	*86	X
Forward phone number	✓	✓	#86	X
Assign phone number (not for USA)	✓	✓	*41	X
Call transfer on		✓	*502	X
Call transfer off		✓	#502	X
Group ringing		✓	*81	X
Group ringing off		✓	#81	X
Silent mode on	✓	✓	*98	X
Silent mode off	✓	✓	#98	X
Switch on (only OpenScape Business)		✓	*90	X
Switch off (only OpenScape Business)		✓	#90	X
Network signal (Flash)		✓	*51	X
Language selection		✓	*48	
Key assignment		✓	*91	X
Lock phone	✓	✓	*66	X
Open phone	✓	✓	#66	X
Change PIN		✓	*93	
Phone book				
1=Internal	✓		*54	X
2=LDAP	✓		*54	X

Functions displays	Direct	Via Service menu		With key
			Code	
Telephone data service		✓	*42	
Timed reminder on		✓	*46	X
Timed reminder off		✓	#46	X
Door opener on		✓	*89	X
Door opener off		✓	#89	X
Door opener		✓	*61	X
Transfer	✓			
Call pickup, directed		✓	*59	X
Call pickup in pickup group	✓	✓	*57	X
Picking up a call	✓			
Forwarding on	✓	✓	*1	X
1=all calls	✓	✓	*11	X
2=only external calls	✓	✓	*12	X
3=only internal calls	✓	✓	*13	X
Forwarding off	✓	✓	#1	X
CFNR on		✓	*495	X
CFNR off		✓	#495	X
Trunk FWD on	✓	✓	*64	X
Trunk FWD off	✓	✓	#64	X
Forwarding MULAP on		✓	*501	X
Forwarding MULAP off		✓	#501	X
Redial	✓			
Reconnect, Ln		✓	*63	X
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