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User Guide elmeg IP640

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Aim and purpose

This document is part of the user manual for the installation and configuration of bintec elmeg devices. For the latest information and notes on the current software release, please also read our release notes, particularly if you are updating your software to a higher release version. You will find the latest release notes under www.bintec-elmeg.com.

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The information in this manual can be changed without notice. You will find additional information and also release notes for bintec elmeg devices under www.bintec-elmeg.com.

bintec elmeg devices make WAN connections as a possible function of the system configuration. You must monitor the product in order to avoid unwanted charges. bintec elmeg GmbH accepts no responsibility for data loss, unwanted connection costs and damage caused by unintended operation of the product.

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You will find information on guidelines and standards in the declarations of conformity under www.bintec-elmeg.com/confomity.

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Functional differences in operation at a bintec-elmeg system

Due to adaptations of their system software, our IP terminals and IP DECT systems can be easily put into operation and managed when connected to a bintec-elmeg system. The most important functions are set up centrally in the configuration interface of the system and are automatically transferred to the connected devices. This eliminates the need to call up the configuration interface of each device individually.

The added convenience provided by the adapted software means that there may be additional differences in the range of functions and that not all functions are available as described in the respective manual.

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If the telephone is connected to a telephone system, the telephone system can have a bearing on the telephone functions or block or add to them.

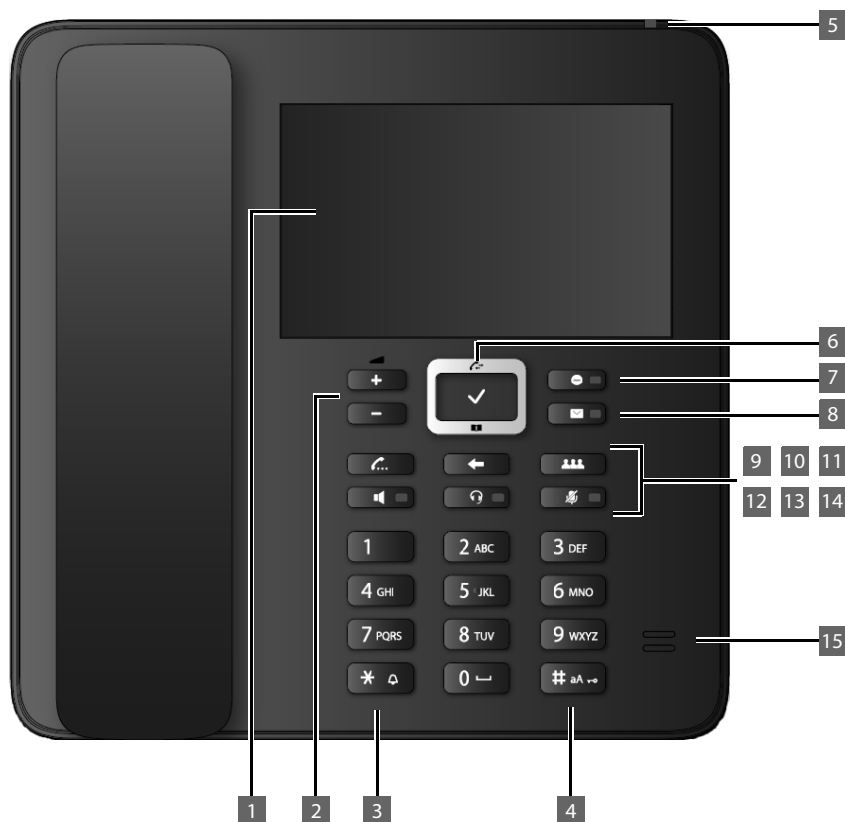
Further information: → User guide for the telephone system


This guide is aimed at telephone users.




Information for administrators: → www.bintec-elmeg.com

Overview

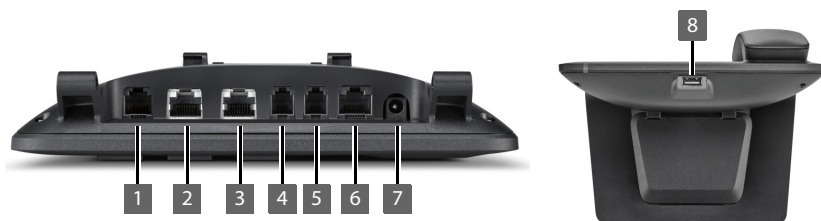
Keys



1	Touch screen	Activate the display key functions	→ page 9
2	Volume keys	Depending on the operating mode: Adjust the volume of the speaker, receiver, headset or ringtone	→ page 20
3	Star key	Display special characters when inputting text	→ page 14
		Activate/deactivate the ringtone	→ page 19
4	Hash key	Switch text mode (upper/lower case letters, digits)	→ page 14
		Lock/unlock the keypad	→ page 15
5	Status LED	Status display for incoming calls	
		Flashes: Incoming call	
		Lights up: Call in progress	

6	Control key	Scroll through lists and entries. In idle status:  Open the call list  Open the menu  Open the directory	→ page 12 → page 26 → page 13 → page 30
7	Do Not Disturb key	Activate/deactivate Do Not Disturb (DND) Lights up: "Do Not Disturb" function is activated	→ page 19
8	Message Centre	Open call and message lists Flashes: New message in the Message Centre	→ page 26
9	Consultation call key	Initiate/end consultation call; put participant on hold	→ page 23
10	End/back key	Cancel function; go back one menu level (press briefly); return to idle status (press and hold)	→ page 13
11	Conference call key	Initiate conference call	→ page 23
12	Handsfree key	Activate/deactivate speakers Start dialling Lights up: Call is being made via the speaker (handsfree mode)	→ page 20 → page 16
13	Headset key	Make call via headset Start dialling Lights up: Call is being made via the headset	→ page 16
14	Mute key	Activate/deactivate microphone (mute) Lights up: The microphone is muted	→ page 20
15	Microphone	Microphone of the handsfree unit	

Connections

























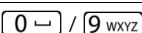

- 1  Expansion module with additional function keys
- 2  LAN (PoE)
- 3  PC; a PC can also be connected to the telephone instead of to the local network, the telephone establishes the network connection
- 4  Receiver
- 5  Headset with RJ9 plug
- 6  EHS EHS headset (Electronic Hook Switch)
- 7  Power adapter
- 8  USB; to connect for example a USB stick with a directory or a Bluetooth headset

Illustration in the user guide

Icons

	Important information regarding function and appropriate handling or functions that could generate costs.
	Prerequisite for carrying out the following action.
	Additional helpful information.













Keys

	Handsfree key		Do not disturb key
	Headset key		Message key
	End/Back key		Volume keys
	Conference call key		Hash key
	Consultation call key		Star key
	Mute key		Digit/letter keys
	Control key rim / centre		

Procedures

Example: Setting the display language

▶  ▶  **Settings** ▶  **Language** ▶  Select the language ▶  Select ( = selected)

Step	Actions required
▶ 	Press the middle of the control key when the handset is in idle mode. The main menu is opened.
▶  Settings	Tap  Settings or use the Control key  to select Settings and press  . The Settings submenu is opened.
▶  Language	Scroll through the menu entries by swiping up or down, or by using the Control key. Tap Language or press the Control key  . The Language submenu is opened.
▶  Select language	Scroll to the required language by swiping up or down, or by using the Control key.
▶  Select	Next to the required language, tap symbol  or press the Control key  . The option selected is denoted by  .

Safety precautions

Read the safety precautions and the user guide before use.



Comprehensive user guides for all telephones and telephone systems as well as for accessories can be found online at bintec-elmeg.com in the Support category. We thereby help to save paper while providing fast access to the complete up-to-date documentation at any time.



Use only the power adapter indicated on the device.



Using your telephone may affect nearby medical equipment. Be aware of the technical conditions in your particular environment, e.g. doctor's surgery. If you use a medical device (e.g. a pacemaker), please contact the device manufacturer. They will be able to advise you regarding the susceptibility of the device to external sources of high frequency energy.



The devices are not splashproof. For this reason do not install them in a damp environment such as bathrooms or shower rooms.



Do not use the devices in environments with a potential explosion hazard (e.g. paint shops).



Remove faulty devices from use or have them repaired by our Service team, as these could interfere with other wireless services.



To connect the phone to the local network and PC only use shielded cables.

Using the telephone

Getting to know your telephone


Display

The display of the elmeg IP640 is realised as a touch screen. The phone is operated by directly touching the display (swiping or tapping) or from the Control key on the phone.

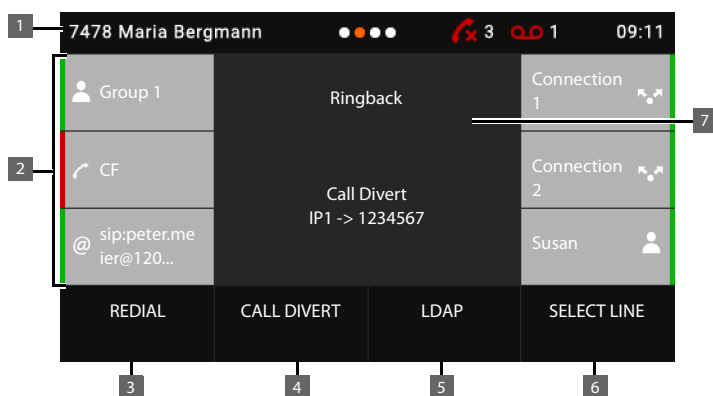
When the phone is in idle mode, it is possible to switch between four display screens:

- A start screen with access to important phone functions
- Two screens with function keys, right (→ [page 10](#))
- One screen with information on calls and incoming messages, on very left (→ [page 11](#))

Switching between the idle display screens:

- ▶  Swipe left or right or press the Control key left or right

Start screen (example)



- 1 Status bar
- 2 Three function keys each on the left and right
- 3 Open the redial list
- 4 Set up call forwarding, enable/disable
- 5 Open company directory (if configured)
- 6 Select the line for the next call
- 7 Information area: displayed here for example is an incoming call or when call forwarding is active or a ringback has been initiated.

→ [page 10](#)

→ [page 17](#)

→ [page 24](#)

→ [page 33](#)

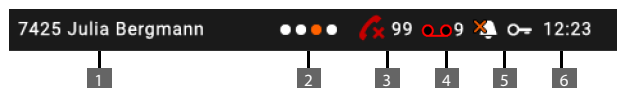
→ [page 16](#)

Change the background colour/image:

→ [page 38](#)

Status bar

All idle display screens have the same status bar.



- 1 Name of the standard connection (is assigned by the administrator, e. g. extension and/or name of the phone user) → [page 16](#)
- 2 Position of the screen being displayed (orange dot) → [page 26](#)
- 3 Number of missed calls → [page 26](#)
- 4 Number of new voice messages → [page 29](#)
- 5 Status icons → [page 56](#)
- 6 Time → [page 35](#)

If a lack of space means not all status icons can be displayed, the display is alternate.

Function keys

Programmable function keys offer rapid access to frequently used numbers and functions. A total of 38 function keys are available, six on the central screen and 16 each on the two start screens on the right. The current assignment is shown on the start screens on the idle display.

To switch between the screens: ▶ Swipe left or right or press the Control key left or right

7425 Julia Bergmann		12:23	
Connection 3	Phillip Black	August Zimmerman	
Connection 4	Group 2	Susan Brown	
Alexander Maxwell	#62*	@ Egon SIP	
Benjamin Smith	Answ. mach.	@ Max SIP	








The number of function keys can be increased using an expansion module.

Assigning function keys

Use the Web configurator to assign function keys: → [page 48](#)

The function keys are arranged on the display starting in the top left, from the top down and from left to right. They can be assigned the following functions:

Icon	Function
	Line
	Quick Dial, Park + Retrieve, BLF
	Call Divert, FAC, DTMF
	SIP URI
	SIP Info

For detailed function descriptions → [page 48](#)

It is possible to select colours for keys with functions **Line**, **BLF**, **SIP Info** and **FAC**. A colour indicates, on the left-hand side of a key, whether the function is active or not.

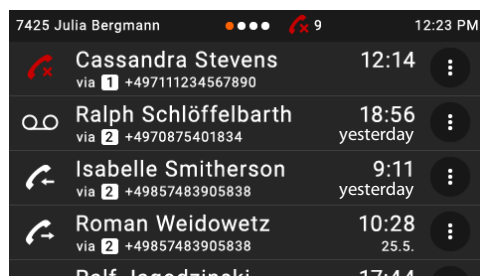
For key assignments **Line** and **BLF**, the **Standard** selection means:

Yellow	Not registered with the provider / phone system, or error
Green	Free
Permanently red	Conversation ongoing
Flashing red	Incoming call

Event list

The event list is displayed as the left-hand side of the idle display.

► From the start screen, swipe right or press the Control key left .



The list contains all entries in the call lists (incoming, outgoing and missed calls) and messages on the answering machine.

For additional information



- about the call lists → [page 26](#)
- about voice messages → [page 29](#)

Control key



The Control key enables you to navigate the menus and input fields, and also to call up certain functions depending on the situation.

Most functions can also be performed by touching the touch screen.

In the description below, the side of the Control key (up, down, right, left) that you have to press in the different operating situations is marked in black, e. g.  for "press right on the Control key" or  for "press the centre of the Control key".

In idle status


Open the main menu




Open the call lists




Open the directory assigned to the key

Briefly press 

Open the list of available directories

Press and **hold** 

Scroll through the idle display screens


Briefly press 

In submenus and lists and selection fields


Select/confirm function



Scroll one line upwards/downwards


Briefly press 

Scroll the list upwards/downwards

Press and **hold** 


In input fields

Moves the cursor to the left/right one character at a time

Briefly press 

During a conversation

Open the directory

Briefly press 

Open the list of available online directories

Press and **hold** 

Menu navigation

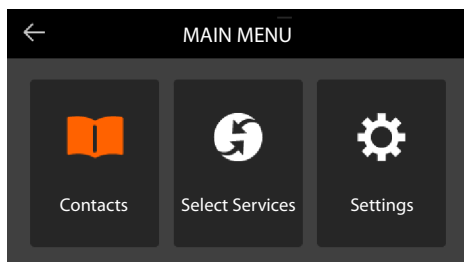
The functions of the telephone are displayed in a menu that consists of several levels.

Menu overview → [page 55](#)

Main menu



In idle mode: ▶ Press the **centre** of the Control key 

The functions of the display menu are displayed each with their icon.



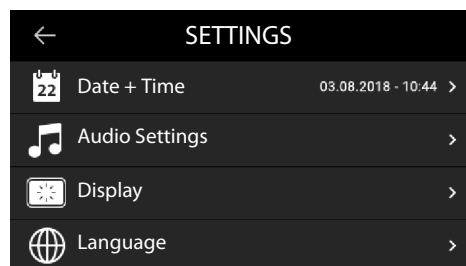
The icon for the submenu selected is shown orange.

Select submenu:


- ▶ Tap the submenu, or select the submenu using the Control key  and press the middle of the Control key 

Submenus


The functions in the submenus are displayed as lists. The selected function is highlighted.



To select a function:



- ▶  Swipe up or down, or scroll through the list using the Control key

To open a submenu:


- ▶ Tap the submenu or press the Control key 

If not all functions can be displayed, you will see a scroll bar on the right-hand side.

Returning to the previous menu level

- ▶ Tap  or press the End key 

Returning to idle status

- ▶ Press and **hold** the End key 




If no key is pressed, the display **automatically** switches to idle mode after about 3 minutes.


Settings which have not been saved or confirmed are rejected.

Entering text




Input position

- ▶ Use  to move the position of the cursor.

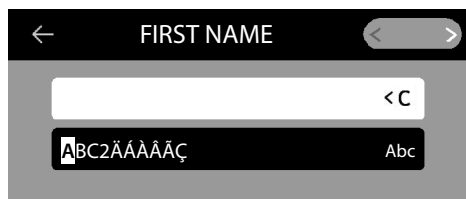
Correcting incorrect entries

Delete **characters** to the left of the cursor: ▶ 

Entering letters/characters

Multiple letters and digits are assigned to each key between  and  and the  key. As soon as a key is pressed, the possible characters are displayed at the bottom of the display.


The selected character is highlighted.






Select letters/digits:

- ▶ Press the key **briefly** several times in succession

Switch between lower case, upper case and digit entry mode:



- ▶ Press the Hash key  ... the mode set is displayed on the right in the black field
When editing a directory entry, the first letter and each letter following a space is automatically in upper case.

Entering special characters:

- ▶ Press the Star key  ... the available special characters are displayed ▶ Tap the character required, or use  to navigate to it and confirm it with .

Locking/unlocking the keypad

The keypad lock prevents any accidental use of the telephone.

Locking the keypad: ▶ Press and **hold**  . . . the following icon appears on the display 

Unlocking the keypad: ▶ Press and **hold**  ▶  Enter the PIN for the keypad lock (default: 1234) ▶ **OK**



Changing the keypad lock PIN with the Web configurator: → [page 41](#)

If a call is indicated on the handset, the keypad automatically unlocks and you can accept the call. It then locks again when the call is finished.

It is not possible to call emergency numbers either when keypad lock is activated.

Making calls



The phone is connected to the LAN.

At least one VoIP connection has been set up and assigned to the telephone.



VoIP connections are set up by the administrator with the Web configurator or assigned using a PABX.

Up to six VoIP connections (call numbers) can be assigned to the phone. The first connection to be set up is the standard send connection. The name of the standard send connection is displayed in idle mode in the top left in the status bar (→ [page 9](#)).

No connection available: the following icon is shown in the display

Information about the telephone connections and the standard send connection:

Web configurator → [page 52](#)

Making a call

▶ Enter the number ▶ Lift the handset

or

▶ lift the handset ▶ Enter the number ▶ **DIAL**

Use + as a prefix for calls abroad: ▶ Press and hold key

Calls are initiated via the standard send connection if you do not select another option. To use another VoIP connection:

▶ **SELECT LINE** ▶ select required connection ▶ Enter the number ▶ **DIAL**

Using the speaker to make calls: ▶ Enter the number ▶ Press the handsfree key

Using the headset to make calls: ▶ Enter the number ▶ Press the headset key



You can switch over at any time during the conversation.

In the following instructions, the icon also always stands for or .

When entering the call number:

Deleting incorrectly entered numbers to the left of the cursor: ▶

Cancel dialling: ▶ **END**

Incoming call during number entry:

Accept the call: ▶ **ACCEPT**


Reject the call: ▶ **REJECT**

Dialling from the directory

▶  Open the directory ▶  select entry ▶  lift the handset

or

▶  ▶  **Contacts** ▶ **OK** ▶  select entry ▶  lift the handset

More than one number in the directory entry: ▶  Select the phone number

Dialling from the redial list

The redial list contains the most recently dialled numbers.





▶ In idle status press **REDIAL** ▶  select entry ▶  lift the handset

or

▶  Open the call lists ▶  **OUTGOING** ▶  select entry ▶  lift the handset

Dialling from a call list

The call lists contain the most recent accepted, outgoing and missed calls (→ [page 26](#)). If the number is saved in the directory, the name is displayed.

▶ Use  to open the call lists ▶  select a list (**ALL, ACCEPTED, MISSED, OUTGOING**) ▶  select entry ▶  lift the handset



The list of new missed calls can also be opened by pressing the Message key .

Dialling with quick dial keys

Keys 1 to 4 on the phone can be assigned a phone number, that is then dialled with one keypress.



Assign quick dial key from the Web configurator: → [page 47](#)

▶ Press and **hold** quick dial key  –  ... the number saved for the key is dialled, the handsfree function or the headset is enabled

Dialling a number using a function key

Dialling numbers with one press of a function key.



A quick dial number is assigned to the function key.

Assigning numbers to function keys: Web configurator (→ [page 48](#))

▶ Press the function key assigned the required number ... the number saved for the function key is dialled, the handsfree function is activated

Ringback

Asking for a ring back when the line of a participant you have called is busy.



The PABX or the provider supports this function.

Initiating ringback

- ▶ **RINGBACK** ... the ringback request is registered, **Ringback** and the phone number are shown on the display

When the other participant's line is free, the ringback is initiated. The telephone rings, **Ringback** is displayed in the header.




There can be an active ringback on each line.

Anonymous calling

Withhold Calling Line Identification. The number is not shown to the person receiving the call.

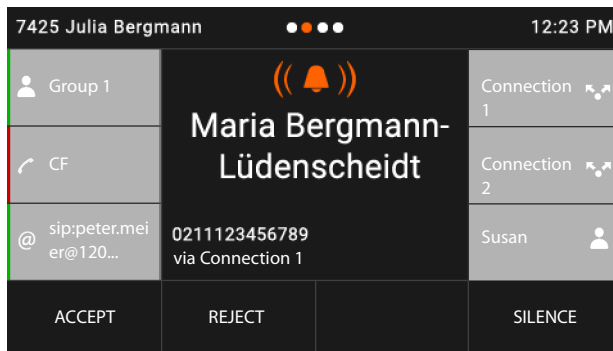


The PABX or the provider supports this function.

- ▶  ▶  **Select Services** ▶ Enable the switch next to **Withhold Number**
 ( = the connection is established without Calling Line Identification)


Incoming calls

An incoming call is indicated by ringing, by a display on the screen and by the flashing Status LED.



The display shows

- the caller's name if it has been stored in the directory
- the caller's number if it has been sent
- the line on which the call is coming in
- a picture of the caller, if one has been transmitted (CNIP)

- Accepting the call: ▶  Lift the handset
or
▶ **ACCEPT** ... the call is accepted using the handsfree function
- Switch the ringtone off: ▶ **SILENCE**
- Rejecting the call: ▶ **REJECT**



If the call is a ringback, **Ringback** is shown on the display.

When a call comes in, the system looks for a matching entry in the local directory. If the number is not found there, other directories are searched, if any have been configured.

Protection from incoming calls

Activating/deactivating the ringtone

An incoming call is not signalled by ringing, but is displayed on the screen.

Switching the ringtone on/off: ▶ Press and **hold** the Star key 

Ringtone is switched off: the following icon appears on the display 




Ringtone silencing for anonymous calls: → [page 36](#)

Switching the "Do not disturb" function on and off

Incoming calls are not signalled.

Switching "Do not disturb" on or off: ▶ Press the Do not disturb key 

"Do not disturb" is switched on: the Do not disturb key  is illuminated, the display shows **"Do not disturb" active**




Set up call forwarding: → [page 24](#)

The administrator can create a list of numbers which should never be signalled by the telephone in the Web configurator.


During a conversation

Changing the volume

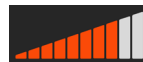
Changing the volume of the handset, the handsfree function or the headset during a call.

Louder:  ▶ **Save**

The volume can be set at 10 levels.

Quieter:  ▶ **Save**

The current setting is displayed.



If there is no input for two seconds, the most recent value is stored automatically.




Permanent volume settings: → [page 37](#)

Muting

Switching off the microphone in the handset, the handsfree facility and the headset. The other party to the call no longer hears what is being said.

Activating/deactivating the microphone: ▶ Press the Mute key 


Microphone is switched off: the Mute key  is illuminated

Switching the handsfree function on/off


Making calls via the speaker and the microphone of the handsfree function.

Switching on the handsfree function during a call:

▶ Press the Handsfree key  ▶ Replace handset 

Handsfree function is switched on: the  key is illuminated

Switching off the handsfree function during a call:

▶ Lift the handset  ▶ continue the call through the handset

Ending a call

▶ Replace the handset  or **END**

Talking with several participants on the telephone

Accepting/rejecting Call Waiting



The PABX or the provider supports this function and the function is activated on the telephone (→ [page 43](#)).

Another call comes in during a conversation. The call is signalled in the display and by the Call Waiting tone. The second call is shown on the display.

Accepting the call:

- ▶ Tap the call display ▶ **ACCEPT** ... the connection to the waiting participant is established. The first participant is put on hold and hears some on-hold music.

Rejecting the call:

- ▶ Tap the call display ▶ **REJECT**

Permit/prevent Call Waiting

Permit or prevent Call Waiting during a call for all or for certain lines.

- ▶ ▶ **Select Services** ▶ Enable the switch next to **Call Waiting** (= call waiting is permitted)



Define settings for Call Waiting with the Web configurator → [page 43](#)

Two simultaneous incoming calls

When there are two simultaneous incoming calls, both are shown on the display.

- ▶ Select the call you want to accept ▶ Pick up the receiver ... the required connection is established

The other call is handled as a waiting call.

Consultation calls

Consulting a second participant during a conversation.

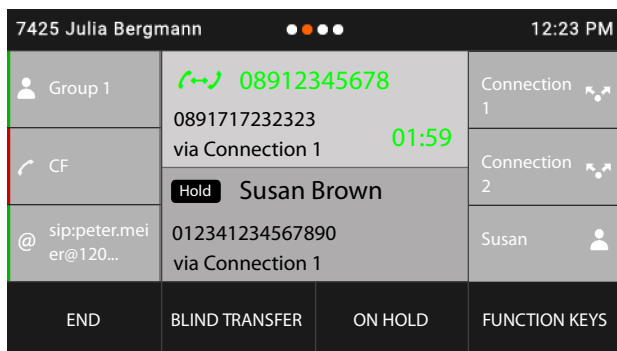
- ▶ Press the Consultation call key

or

- ▶ Tap **CONSULTATION**

... the first conversation is put on hold


- ▶ Initiate a consultation call from the keypad, from the directory, from the call list or using a function key



Ending a consultation call:

- ▶ **END** ... the connection to the person on hold is reactivated

Connect the parties to each other:

- ▶ Replace the handset 






or

- ▶ select the call on hold ▶ **Transfer** ... the call on hold is transferred to the consultation party.

If the consultation party does not accept the call, a recall is initiated by the party on hold (your phone rings). If you accept the call, you will be reconnected to the participant previously on hold.

Initiating a consultation call from the directory or call list

During the conversation:


- ▶ Tap **CONSULTATION** or press the Consultation key  ... the call is put on hold
- ▶ **OPEN DIRECTORY/OPEN CALL LIST** ▶  Select the entry ▶  ▶  Select the number as required ▶  ... the number is dialled

Initiating a consultation call from a function key





The number is stored on a function key, such as a quick dial number.

During the conversation:

- ▶ Tap **FUNCTION KEYS** ... the first screen with function keys is displayed ▶  Select another screen as required ▶ Tap the function key with the required number ... the number is dialled, the first call is put on hold

Call swapping

Switch back and forth between two participants. The other call is placed on hold.


- ▶ Call a second participant during an external conversation (consultation call) or accept a waiting call ▶ Switch back and forth between the parties by tapping twice or with  ▶ 
- Select the party

Ending the connection to the active participant:

- ▶ **END** ... the connection to the participant on hold is reactivated




Other ways of ending the call-swapping session:

- Replace the handset : The other two participants will be connected to one another.
- The **active** participant ends the conversation: The connection to the participant on hold is reactivated
- The participant **on hold** ends the conversation: The connection to the active participant remains active.


Conference call

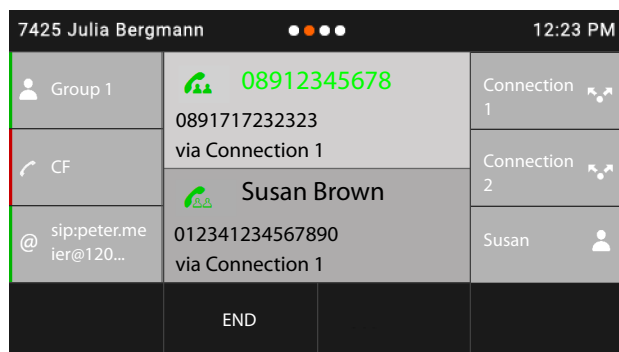
Speaking to two parties at the same time.

Initiating a conference call during a conversation:


- ▶ Press the Conference call key  ▶ call second party ... the conference is established as soon as the call is accepted

Initiating a conference from call swapping:

- ▶ Press the Conference call key  ... the active party and the party on hold are connected into the conference call




Removing a party from the conference call: ▶  Select the party ▶ **END**

Ending a conference call: ▶ Replace the handset  ... the conference call is ended for all parties

Transferring a call

Forwarding a call to another external participant during the call:

- ▶ **BLIND TRANSFER** ▶ enter the number with the keypad or select from the directory ▶ **TRANSFER** ▶ replace the handset 

Connecting both external participants to one another during call swapping or in an external consultation call:

- ▶ select the call on hold ▶ **TRANSFER** . . . the call on hold is transferred to the consultation party.

If the active participant does not accept the call, a recall will be initiated by the participant on hold.

Call divert

Incoming calls are diverted to another line or a network mailbox. For every phone connection, you can set up call diverts for

All Calls	Calls are diverted immediately
When Busy	Calls are diverted if the line is busy
No reply	Calls are diverted if no one picks up after several rings

Activating call divert

- ▶ From the start screen, tap **CALL DIVERT**

or


- ▶  ▶  **Select Services** ▶  **Call Divert** ▶  Select a connection

- ▶ Select when call forwarding is to apply:


All Calls / When Busy / No reply

- ▶ Select where the call is to be forwarded:

To a phone number:

- ▶ **Phone Number** ▶ Tap the bottom of the entry field ▶ Enter the number ▶ **Save** ▶  Back

To the answering machine:

- ▶ **Voice Mail** ▶ **Save** ▶  Back . . . calls are forwarded to the answering machine assigned to the connection

For call forwarding of type **All Calls**, the display shows in idle mode **Call Divert** as well as the connection and forwarding destination.



Call forwarding of type **No reply** becomes active after 120 seconds as standard. You can change the delay time from the Web configurator (→ [page 43](#)).

Disabling call forwarding

For call forwarding of type **All Calls**:

- ▶ From the start screen, tap **CALL DIVERT**

For all types:

- ▶  ▶  **Select Services** ▶  **Call Divert** ▶  Select the connection ▶ Select the forwarding type (**All Calls / When Busy / No reply**) ▶ **Off** ▶  Back


If you assign a function key with the **Call Divert** function, you can enable and disable call forwarding using this function key.



Assigning function keys from the Web configurator: → [page 48](#)













Call lists

The telephone saves different types of calls in lists. The following call lists are available:





- | | |
|-----------------------|--|
| All Calls | All outgoing, accepted and missed calls. |
| Accepted Calls | Calls that were accepted. |
| Missed Calls | Calls that were not accepted.
Missed calls that have not yet been viewed can also be accessed via the Message key  (→ page 28). |
| Outgoing Calls | Last selected numbers (redial list). |
- If the call list is full, a new entry overwrites the oldest.

Opening the call list





- ▶  ▶  Select list (**ALL, ACCEPTED, MISSED, OUTGOING**) ... The calls for the list type selected are displayed

←	ALL	ACCEPTED	MISSED	OUTGOING
	Susan Brown via  123456778987			10:15 
	Phil White via  203948572390857			20:13 yesterday 
	Alexander Abercrombie via  203948572390857			09:53 yesterday 
	089170987654 via  123456778987			16.09. 04.09. 

Information about the calls

- Icon for the call type:
 -  Missed calls
 -  Accepted calls
 -  Outgoing calls
 -  Recordings on an answering machine
- Name of the caller if the number is stored in the directory
- Line over which the call was conducted
- Phone number of the caller or called party
- Date and time of the call


Calling back a caller

- ▶  ▶  Select the list ▶  Select the entry ▶  Lift the receiver ... the number is dialled


Copying a number to the directory

- ▶  ▶  Select the list ▶  Select the entry ▶ Tap  ▶ **Save Number ...** the directory is opened

Creating a new directory entry:

- ▶ **+ New** ... a form is opened for a directory entry, the phone number is entered with type **Office** ▶ Enter  **Name:** and **Surname:** ▶ If required, change the number type (**Office/Mobile/Home**) ▶ **Save** ... the entry is saved with the name specified and the phone number from the call list

Adding a number to an existing directory entry:

- ▶  Select the directory entry ... the number from the call list is added to the entry ▶ Select as required the number type (**Office/Mobile/Home**) ▶ **Save**





An error message is displayed if all number fields are assigned already. Delete as required old phone numbers.



For more information about the local directory: → [page 30](#)

Deleting entries

Deleting an entry:


- ▶  ▶  Select the list ▶  Select the entry ▶ Tap  ▶ **DELETE ENTRY**

Deleting all the entries in the list currently selected:

- ▶  ▶  Select the list ▶ Tap  ▶ **DELETE LIST**

Message Centre

The Message Centre gives you quick access with a single key press to missed calls and voice mails on an answer machine.

The Message key  flashes if there are new messages. A missed call is considered new if it has been received since the **Missed Calls** list was last opened; a voice mail is considered new if it has not been listened to.




The administrator can use the Web configurator to specify which types of messages are accessible via the Message Centre.

Icons for message types and the number of **new** messages are shown in the status bar.

7425 Julia Bergmann   99   12:23



New messages:

 in the **Missed Calls** list (→ [page 26](#))

 on a network mailbox (→ [page 29](#))

The number displayed indicates the total for all the connections involved.

Opening the Message Centre:

- ▶ Press the Message key  ▶  Select the message type (**Voice Mail** or **Missed Calls**)

MESSAGES	
Voice Mail	0 new messages 4 old messages
Missed Calls	1 missed call



The **Voice Mail** list is always displayed, when an answer machine is stored in the telephone, the **Missed Calls** list only if it contains messages.




Voice mails

Managing messages stored in a network mailbox. Every network mailbox accepts incoming calls on the corresponding VoIP phone number.




The administrator has entered the network mailbox(es) in the telephone with the Web configurator or there is an answer machine available with the PABX.


Playing back voice mails

- ▶ Press the Message key  ▶  Select as required Answering machine (connection) ... all voice messages for the connection are displayed ▶  Select an entry ▶ **PLAY** ... the message is played over the phone speaker

Listening to messages through the handset:

- ▶  Lift the handset

Ending playback:

- ▶ Press the End Call key  or replace the handset 



An incoming call ends playback.

Directories

The options are:

- Local directory
- Company directory (→ [page 33](#))



The local directory is pre-set as a standard directory. This means that it is the directory that is opened with the Control key and into which entries are copied with the **Save Number** function (→ [page 27](#)).

The administrator can make another directory, such as the company directory, the standard directory.

Local directory

Opening the directory

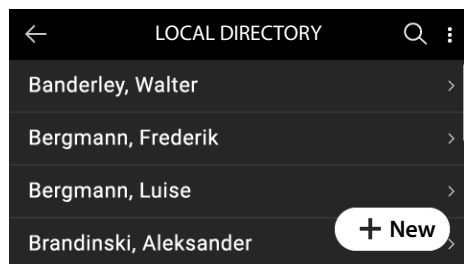
In idle status:

- ▶ Press the Control key

or

- ▶ ▶ **Contacts**

The entries are shown in alphabetical order and are sorted by last name by default.



Changing the sort order

- ▶ Tap ▶ **SORT BY FIRST NAME** or **SORT BY SURNAME**





If an entry does not include a name, the first phone number entered is stored and displayed as the last name.

Displaying a directory entry

Searching for an entry

▶  Swipe up or down, or press the up or down Control key

or

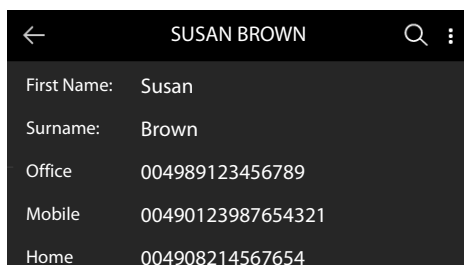
▶ Tap  ▶  Enter the initial letters of a name or digits of a phone number ... the entries matching the entry are displayed


Opening an entry

▶ Tap the entry or press the Control key 

A directory entry can contain the following information


- First name and last name: (max. 32 characters each)
- Up to six phone numbers (max. 32 digits each)
Two numbers each can be assigned to categories **Office**, **Mobile** and **Home**.
- Company name (max. 32 characters)





▶ Use  to scroll through the directory entry

Creating a new entry


▶ Open the directory ▶ Tap  **New**

▶  Enter the name ▶ **Save**

or

▶  Select another field (**Surname:** or **Company:**) ▶  Enter the details ▶ **Save**

Entering phone numbers:

▶ Tap **Add Phone** ▶ Select the number category (**Office / Mobile / Home**) ▶  Enter the phone number ▶ **Save**

Saving a directory entry: ▶ **Save**



Creating a new entry with a number from the call list: → [page 27](#)

Information on entering text: → [page 14](#)




Changing an entry

- ▶ Open the directory ▶ Open the entry ▶ **Edit** ▶  Select the entry field ▶ Delete old text as required, enter the new text ▶ **Save**




Information on entering text: → [page 14](#)

Dialling from the directory

- ▶ Open the directory ▶  Select an entry ▶  Lift the handset
More than one number in the directory entry: ▶  Select the phone number

or

- ▶ Open the directory ▶  Select an entry ▶  Open the entry ▶  Select the phone number ▶  Lift the receiver or press the Control key 



Line selection for a call: ▶ Tap  ▶ Select the connection ... the call is initiated immediately over the connection selected





Initiate a consultation call from the directory: → [page 21](#)

Deleting directory entries

Deleting from the list the entries selected:

- ▶ Open the directory ▶ Tap  ▶ **EDIT LIST** ▶ Select one or more entries ( = selected) ▶ **Delete** ▶ Confirm the prompt with **Yes** ... the entries selected are deleted

Deleting the whole list:

- ▶ Tap  ▶ **EDIT LIST** ▶ Tap  ▶ **SELECT ALL** ▶ **Delete** ▶ Confirm the prompt with **Yes** ... all entries are deleted

Using a company directory

If there is a directory available on your company's network, you can use it on the phone.



The administrator has set up and activated the directory in the Web configurator.

Opening the company directory

In idle mode:

▶ Tap **LDAP**


or

▶ Press and **hold** the Control key  ▶ Select the company directory





The company directory is shown with the name specified by the administrator in the Web configurator.

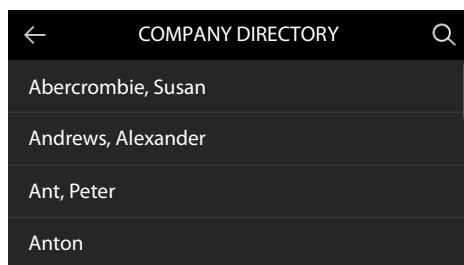
Searching for an entry

▶  Enter the search term


or

▶ Tap  ▶  Enter the name (i.e. its initial letters)

... the search process starts as soon as input is stopped. All the matching entries are displayed. If a matching entry is not found, the search field is redisplayed. You can launch a new search.



Displaying an entry




- ▶ Search for the entry ▶ Tap the entry or press the Control key 

← ABERCROMBIE, SUSAN	
First Name:	Susan
Surname:	Abercrombie
Job:	CEO
Company:	Company
Office	004989123456789
Mobile	00490123987654321

A directory entry can contain the following information (depending on the information provided by the company directory):

- Personal information: **First Name:, Surname:, Job:, Company:**
- Numbers: **Office, Mobile, Home**
- Other contact details: **Email:, Web Address:, Fax:**
- Address information: **Street:, City:, ZIP Code:, Country:**

Dialling a number from the company directory

- ▶  Select the entry ▶  Lift the receiver
- More than one number in the directory entry: ▶  Select the phone number

Settings

The telephone is preconfigured. Individual settings can be modified via the display menu or on a PC using the Web configurator. Web configurator → [page 41](#)

Basic settings

Date and time



The address of a time server on the Internet or on the local network is stored on your phone. The date and time are taken from this time server provided that the phone is connected to the network and synchronisation with the time server is activated. Manual settings are overwritten in this case.

Settings for the time server in the Web configurator: → [page 50](#)

▶ ▶ **Settings** ▶ **Date + Time**

To switch between the entry fields: ▶ Swipe up or down or press the Control key up or down




- Date format: ▶ Tap the date format required:
DD MM YYYY: e.g. 17.04.2019 for 17 April 2019
MM DD YYYY: e.g. 04.17.2019
- Date: ▶ Swipe up and down to set the day, month and year
- Time format: ▶ Tap the time format required:
24h: 24 hours, e.g. 10:00, 18:00
12h: 12 hours, e.g. 10:00 AM, 06:00 PM
- Time: ▶ Set the hour and minute by swiping up or down, also select PM or AM in the 12 hour format
- Save settings: ▶ Tap or press the End key ▶ **Save**

Ringtones

Set the volume and melody for the ringtone and/or completely silence the ringtone for anonymous calls.

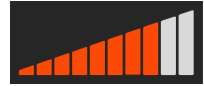
Volume

The volume of the ringtone for incoming calls can be set at 10 levels.



▶  ▶  **Settings** ▶  **Audio Settings** ▶ **Ringtones** ▶ **Volume** ...

the ringtone will be played with the melody set for external calls at the current volume; the volume is shown graphically

▶ Tap the required level or use  to select the volume required ▶ Tap  or press the End key  ... the setting is saved










Changing the volume of the ringtone during an incoming call:

▶ Press the volume keys  (for louder) or  (for quieter)

Melody

Specify different ringtone melodies for different events (**Default Ringtone**, **External Calls**, **Internal Calls**, **Group Calls**) and VoIP connections.





▶  ▶  **Settings** ▶  **Audio Settings** ▶ **Ringtones** ▶ **Melodies** ▶  Select the event to be indicated by the melody ▶  Select the required melody ▶ Tap  or press the End key  ... the setting is saved



Loading more ringtones onto the phone: → [page 45](#)





Ringtone silencing for anonymous calls

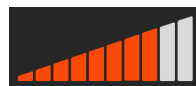
Prevent the telephone ringing when no number is transmitted with an external call.




▶  ▶  **Settings** ▶  **Audio Settings** ▶ **Ringtones** ▶ Enable the switch next to **Anonymous Call Silencing** ( = the phone does not ring for anonymous calls)

Call volume

The call volume (volume during a call) can be set on 10 levels separately for the receiver, speaker and a headset connected.



- ▶  ▶  **Settings** ▶  **Audio Settings** ▶ **Call Volume** ▶  Select **Handset, Handsfree or Headset** ... the current volume is displayed graphically



- ▶ Tap the required level or use  to select the volume required ▶ Tap  or press the End key  ... the setting is saved



Changing the volume during a call:

- ▶ Press the volume keys  (for louder) or  (for quieter)


Display

Screensaver

You can choose a digital or analogue clock as the screensaver for the phone's display when in idle status.

- ▶  ▶  **Settings** ▶ **Display** ▶ **Screensaver** ... then

Switch on:

- ▶ next to **Start after**, use  to select the time the display spends in idle before the screensaver becomes active (10, 20, 30, 40, 50 or 60 minutes)

Select the screensaver:

- ▶ Tap **Digital Clock** or **Analog Clock** ( = selected)

Save the selection:

- ▶ **Save**

Switch off:

- ▶ Next to **Start after**, use  to select **Never** ▶ **Save**

Exiting the screensaver







- ▶ Press any key **briefly** ... the display changes to idle status



Setting the screensaver from the Web configurator: → [page 46](#)





Brightness

The display lighting levels for idle display, normal mode and screensaver are separately adjustable on 10 levels.

- ▶  ▶  **Settings** ▶  **Display** ▶ **Standby brightness | Brightness | Screensaver brightness** ... the current setting is shown graphically ▶ Tap the required level or use  to select the brightness required ▶ Tap  or press the End key  ... the setting is saved

Background colour/image

Change the background image for the start screen. You can select from different images and single-colour motifs. If you have loaded your own images to the phone, they are also offered for selection.

▶  ▶  **Settings** ▶  **Display** ▶ **Background . . .** the images available are displayed ▶ Select the image you want ( = selected)



To load your own images: → [page 46](#)

Language

Set the language for the display screen.

▶  ▶  **Settings** ▶  **Language** ▶  Select the language ( = selected)



Setting the display language with the Web configurator: → [page 46](#)

Local network

Display network settings for the telephone.

▶  ▶  **Settings** ▶ **Local Network**

IP Address Type:

dynamic or static

dynamic

The telephone obtains its IP address automatically from a DHCP service in the network (the router, for example). The following fields show the current settings. These settings cannot be changed.

static

The telephone is provided with a permanent IP address. The administrator makes the network settings using the other fields.

IP Address:

The phone's IP address in the local network.

Subnet Mask:

The subnet mask for the local network. It specifies how many parts of the IP address make up the network prefix and how many parts make up the device address. The network prefix must be the same for all the devices in the local network.

Standard Gateway:

IP address of the system in the local network which assigns the address and forwards information to other networks. This is frequently a router.



Changes to these settings should only be made by the administrator.

VLAN

A local network can be divided into logical subnetworks known as VLANs (VLAN = Virtual Local Area Network). VLANs are used for example to separate the data traffic of different services (Internet telephony, Internet TV, etc.) and to define different priorities for the data traffic.

Show the phone's VLAN settings.

▶  ▶  **Settings** ▶ **VLAN**

VLAN Tagging: No, LAN or LAN and PC (when a PC is connected to the phone, → [page 6](#))

For VLAN tagging LAN:

VLAN Identifier (LAN): ID of the virtual network to which the phone belongs.

LAN Priority (LAN): Priority of the virtual network to which the phone belongs.

Additional parameters for VLAN tagging LAN and PC:

VLAN Identifier (PC): ID of the virtual network for the PC.

LAN Priority (PC): Priority of the virtual network for the PC.



Changes to these settings can only be made by the administrator.

Restarting the phone

You can restart the device if required. All settings are retained.

▶  ▶  **Settings** ▶ **Reboot** ▶ Confirm the prompt with **Reboot now**




Resetting the device to the factory settings



The function can only be run by the administrator.

You can back up your personal settings before a reset: → [page 51](#)

A reset returns all the settings to the default settings. Network configuration, VoIP connections, directories, call lists and all the individual settings are deleted or restored to the factory settings.



▶  ▶  **Settings** ▶ **Reset** ▶ Confirm the prompt with **Reset now** ▶  Enter the password ▶ **OK**

Resetting using the device keys

▶ Disconnect the phone from the power ▶ Press the Control key  ▶ With the key still pressed, reconnect the phone to the power ▶ Release the key after about 10 seconds

Displaying device information

The menu entry **Info** provides information about important settings on the telephone.

▶  ▶  **Settings** ▶ **Info** ... the following information is displayed:

Device:	Telephone product name.
SW Version:	Version of the firmware currently loaded on the phone.
Variant:	Country-specific version of the product.
MAC Address:	The phone's device address.
IP Address:	The phone's current IP address within the local network. The IP address is usually set automatically via a DHCP server in the network.
Subnet Mask:	The subnet mask for the local network. It specifies how many parts of the IP address make up the network prefix and how many parts make up the device address. The network prefix must be the same for all the devices in the local network.
Standard Gateway:	IP address of the system in the local network which assigns the address and forwards information to other networks. This is frequently a router.
Preferred DNS:	IP address of the system in the local network providing IP addresses belonging to domain names.



There is more information about the settings and the status of the telephone in the status display of the Web configurator (→ [page 52](#)).

Configuring other settings with the Web configurator



Attention:

Configurations via the phone's Web user interface are not presentable in the BPX and should therefore be used only in exceptional cases!

Not all functions listed here can be used in operation with the PBX!





This chapter describes the user functions in the Web configurator.

Web configurator

Finding out the IP address of the phone

You need the IP address of the telephone to access the web configurator.

Displaying the IP address on the phone display:

- ▶  ▶  **Settings** ▶ **Info** ... the IP address is displayed




The IP address can sometimes change, depending on the settings of the DHCP server in your network.

Starting the web configurator

- ▶ Open the Internet browser on the PC ▶ enter the IP address of the telephone (without any leading zeros) in the address field of the browser ... the login screen is displayed
- ▶ Select the language ▶ Select user role **User** ▶ enter the password (preset: user) ▶ **Login** ... the Web configurator is launched, the **Ringtones** page is displayed

Changing the password


- ▶ Click on the  icon in the top right ▶ select **Change Password** ▶ enter new password ▶ re-enter new password ▶ **Set**



The password can also be changed by the administrator.

Changing the telephone PIN

The telephone PIN is used to lock the telephone keypad, for example (→ [page 15](#)).

- ▶ Click on the  icon in the top right ▶ select **Change Phone PIN** ▶ enter current PIN (preset to 1234) ▶ enter new PIN ▶ re-enter new PIN ▶ **Set**

Changing the language

- ▶ Click on the  icon in the top right ▶ select **Change Language** ▶ select required language from the **Language** list ▶ **Set**

Ending the Web configurator

- ▶ Click on the  icon in the top right ▶ select **Logout** ... the login screen is displayed again

Functions of the Web configurator

The following illustration shows the menu entries of the Web configurator for users.

Settings	Telephony	Connections	→ page 43
		Call Settings	→ page 43
		Call Divert	→ page 43
		Do not Disturb	→ page 44
	Desk Phone	Ringtones	→ page 45
		Display	→ page 46
		Pictures	→ page 46
		Keys and LEDs	→ page 47
	System	Date and Time	→ page 50
		Save and Restore	→ page 51
		Reboot and Reset	→ page 51
	Status	Device	→ page 52
Connections		→ page 52	
Storage Allocation		→ page 52	

Telephony

Changing the standard send connection

If the telephone has more than one VoIP connection, outgoing calls are initiated via the standard send connection (→ [page 16](#)).

Changing the standard send connection:

▶ **Settings ▶ Telephony ▶ Connections**

All the configured connections are shown. The check box under **Default send Connection** shows which connection is currently selected.

▶ Check the connection required ▶ **Set**

Only active connections can be selected.

Settings for Call Waiting

Specify the telephone's response when another call comes in during a call.

▶ **Settings ▶ Telephony ▶ Call Settings**

For each connection:

Prevent/permit Call Waiting:

▶ Select the option under **Display Waiting Call** (= Call Waiting permitted) / deselect (= Call Waiting not permitted)

Permit Call Waiting:

▶ Select **Acoustic signal** from the list

Off: the incoming call is shown in the display only

or signalling with a Call Waiting tone (beep): once or every 4, 10, or 20 seconds

Save the settings: ▶ **Set**

Setting up Call Divert



The provider/the PABX supports this function.

Forwarding incoming calls to another number or a network mailbox.

▶ **Settings ▶ Telephony ▶ Call Divert**

For each connection (**Incoming line**):

All Calls Forward all incoming calls.

When Busy Forward incoming calls when the line is busy.

No Answer Forward incoming calls after a defined period if they are not accepted.

Specifying the destination of diverted calls:

- ▶ Check the box under **Voicemail**

or

- ▶ check the box under **Target number** ▶ enter the number, to which calls are to be diverted

For diverting calls when **No Answer**:

- ▶ From the **Delay** list, select the period after which Call Divert should be activated.

Activating/deactivating Call Divert:

- ▶ Select the option under **Active** (= activated) / deselect (= not activated) ▶ **Set**



Setting up Call Divert via the display menu: → [page 24](#)

Do not Disturb



The provider/the PABX supports this function.

Block phone numbers and/or all anonymous calls. Calls from blocked numbers are not signalled.

- ▶ **Settings** ▶ **Telephony** ▶ **Do not Disturb**

The black list contains all the blocked numbers.

- Activate the black list: ▶ Set the switch next to **DND list** to **Yes** (**Yes** = activated)
- Block a number: ▶ Enter **Name** and **Phone number** of the call ▶ click on **Add**
- Delete an entry: ▶ Click next to the entry
- Delete all entries: ▶ Click **Delete all**
- Block all anonymous calls: ▶ Activate the option **Block anonymous callers** (**Yes** = activated)
- Save the settings: ▶ **Set**

Desk Phone

Specifying and loading ringtones

Set a ringtone for each configured VoIP connection or use a standard ringtone for all of them.

▶ **Settings ▶ Desk Phone ▶ Ringtones**

Selecting ringtones

The standard ringtone is used for connections or events for which no individual ringtone has been set up.

▶ Select a ringtone from the **Default ringtone** list ▶ click on **Play** ... the melody selected is played on the telephone ▶ **Set**

Use the standard ringtone for all calls:

▶ click on **Use for all calls** ▶ **Set**

or

set a different ringtone for each connection:

▶ Select ringtones for the various events from the lists ▶ click on **Play** ... the melody selected is played ▶ **Set**

Different ringtones can be used for the following events: **External Calls, Internal Calls, Group calls.**



Setting ringtones using the display menu: → [page 36](#)

Loading ringtones from the PC

The ringtones available are displayed with a file name and size. A maximum of 20 more ringtones can be loaded into the telephone memory from the PC.

The data on the PC must be in the following format:

Format	Max. number	Total size
mp3, ogg, wav	20	max. 5 MB

▶ Next to the **Ringtone file** click on **Browse** ▶ in the file system of the PC navigate to the location of the ringtone files in the memory and select the file required ... the file name is displayed

Load the ringtone file: ▶ Click on ... the ringtone file is loaded into the telephone's internal memory and presented for selection in the lists

Delete a ringtone file: ▶ Click on ... the ringtone file is deleted from the list

Save the settings: ▶ **Set**



Check available space in the memory: → [page 52](#)

Settings for the display

Tailor the telephone display to personal preferences and requirements.

► Settings ► Desk Phone ► Display

- Language:** ► Select the language to be used for the display from the **Language** list
- Standby Brightness:** ► Use the slider to select the display brightness when the phone is in idle status (1 – 10; 1 = dark, 10 = light)
- Backlight:** ► Use the slider to select the intensity of the display light (1 – 10; 1 = dark, 10 = light)
- Save the settings: ► **Set**



All the settings can also be made through the display menu: → [page 37](#)

Loading images and setting the screensaver

An analogue or digital clock is available as the screensaver.

Different images are offered as the background for the start screen. You can also download your own images to the phone.

► Settings ► Desk Phone ► Pictures

Setting up a screensaver

- From the **Screensaver Activation** list, select the time the display spends in idle status before the screensaver becomes active. 0 = Screensaver disabled
- Select from the **Screensaver** list the required screensaver (**Analog clock** or **Digital Clock**)

Save the settings: ► **Set**






Setting the screensaver from the display menu: → [page 37](#)

Loading pictures

You use images as the background for the start screen. In addition to the motifs provided, you can load a maximum of 20 images from your PC to the phone memory. The images available are displayed in the **Stored Pictures** list.

The data must be in the following format on the PC:

Format	Image size	Size
jpg	480 x 272 px	max. 5 MB

- ▶ Next to **Picture file**, click **Browse** ▶ in the PC file system, navigate to the location of the image files and select the file required ... the file name is displayed
- Load an image file: ▶ Click on  ... the image file is loaded into the telephone's memory and presented for selection
- Select an image file: ▶ Highlight the image file ( = selected) ... the image file is used as the background for the start screen
If multiple files are selected, they are shown alternately on the display.
- Delete an image: ▶ Click on  ... the ringtone file is deleted from the list
- Save the settings: ▶ **Set**



Check available space in the memory: → [page 52](#)

Assigning quick dial keys

Assign a quick dial number or function to the phone's – keys.

Select with quick dial: → [page 17](#)

- ▶ **Settings** ▶ **Desk Phone** ▶ **Keys and LEDs**

The **Quick Dial Keys** table contains an entry each for keys 1 - 4.

Assigning a function:

- ▶ Click the entry ▶ Select function from the list ▶ **Set**

Default	The key has the standard function (digit key).
Quick Dial	The key is used for quick dialling a number ▶ Enter the number in the text field
FAC	(Function Access Code) The key sends a code to the phone system or provider to enable/disable a function or service. ▶ Enter the code in the text field Example: *71 Enable call divert *071 Disable call divert
Action URL	The key is used to call an Action URL. An Action URL is used by the phone to communicate with a Web server application. ▶ Enter the URL in the text field

Assigning function keys

Function keys: → [page 10](#)

▶ **Settings** ▶ **Desk Phone** ▶ **Keys and LEDs**

The **Function Keys - Idle Screen** and **Screen 1 - Screen 2** tables contain an entry for every function key.



If an expansion module is connected to the phone, more function keys are available in **Function Keys - Expansion Module**. They are assigned exactly the same way as the function keys on the display.

Key	Name of the key, denotes the position of the key. Key 1 is always in the top left. The other keys are arranged from the top down and from left to right.
Function	Function assigned to the key.
LED colour	Colour with which the key signals an event, such as an incoming call. On the keys on the expansion module, the LEDs are used for the display. Change colour: ▶ Click the entry ▶ Select the colour required
No Auto Provisioning	Function keys can automatically be assigned via a PABX. Preventing the key from being overwritten by the PABX: ▶ Activate the option (<input checked="" type="checkbox"/> = activated)

Assigning a function:

▶ Click the entry ▶ Select function from the list ▶ **Set**

Possible functions:

No function	No function assigned.
Line	Assigns a specific connection (line) to the function key. The key is used to initiate or accept a call on this connection. The key flashes if a call comes in and lights up if the line is busy. ▶ Select the desired connection
Shared Line	The telephone is connected to a PABX which supports this function and the number is assigned to a group. Assigns a "shared line" to the function key. This means several users share the same VoIP connection. The key is used to make a call via the shared connection or to answer an incoming call. It is configured on all extensions of the group. The keys flash on all extensions when a call arrives, and light up when the line on any extension is busy. ▶ Select the required connection ▶ Enter the Phone number of the "shared line"

Park + Retrieve	<p>The phone is connected to a PABX which supports this function and the number is assigned to a group.</p> <p>This function key allows you to “park” a call to transfer it within a group using a shared line. It is configured on all extensions of the group. The “Park + Retrieve” keys on all extensions light up when a call is “parked” on an extension. The call can be picked up on any extension by pressing the key.</p> <ul style="list-style-type: none"> ▶ Select the required connection ▶ Enter the Parking Space (number) of the shared line 										
Quick Dial	<p>Assigns a number to the function key.</p> <ul style="list-style-type: none"> ▶ Select the desired connection ▶ Enter the Target number 										
BLF	<p>(Busy Lamp Field) The phone is connected to a PABX which supports this function and the number is assigned to a group.</p> <p>A function key that is configured as BLF indicates the status of a shared line. It is configured on all extensions of the group. The keys flash on all extensions when a call arrives, and light up when the line on any extension is busy.</p> <ul style="list-style-type: none"> ▶ Select the desired connection ▶ Enter the Target number <p>Accept incoming calls: ▶ Enter Call Pickup Code</p>										
SIP URI	<p>Assigns the function key a SIP URI (Internet phone number in SIP notation).</p> <ul style="list-style-type: none"> ▶ Enter the SIP URI (e.g. sip:Susan.Brown@211.122.10.15) 										
Call Divert	<p>Enable the call divert set up previously (→ page 43).</p> <ul style="list-style-type: none"> ▶ Select the Line for which the call divert is set up 										
DTMF	<p>Assigns the function key a number dialled using DTMF. This is used for example for querying network mailboxes using digit codes, for controlling dialogue systems (IVR) and for dialling into a conference call by entering a PIN.</p> <ul style="list-style-type: none"> ▶ Enter the number to be dialled using DTMF signalling. 										
Action URL	<p>Assigns an Action URL to the function key. An Action URL is used by the phone to communicate with a Web server application.</p> <ul style="list-style-type: none"> ▶ Enter the URL in the text field 										
SIP Info	<p>Assigns the function key a SIP INFO call to the PABX. The following calls can be assigned:</p> <table> <tr> <td>Record</td> <td>Start/stop call recording</td> </tr> <tr> <td>Divert CFU</td> <td>Divert all calls</td> </tr> <tr> <td>Divert CFB</td> <td>Divert calls when the phone is busy</td> </tr> <tr> <td>Divert CFNR</td> <td>Divert calls when they are not accepted</td> </tr> <tr> <td>Day/Night</td> <td>Enable/disable day/night activation</td> </tr> </table>	Record	Start/stop call recording	Divert CFU	Divert all calls	Divert CFB	Divert calls when the phone is busy	Divert CFNR	Divert calls when they are not accepted	Day/Night	Enable/disable day/night activation
Record	Start/stop call recording										
Divert CFU	Divert all calls										
Divert CFB	Divert calls when the phone is busy										
Divert CFNR	Divert calls when they are not accepted										
Day/Night	Enable/disable day/night activation										

FAC (Function Access Code) The key sends a code to the phone system or provider to enable/disable a function or service.

Example:

- *71 Enable call divert
- *071 Disable call divert

► In the **Display Name** field, enter a description for the function key. This name is shown on the display next to the function key.

For the **Line**, **BLF** and **FAC** key assignments, you can select the LED colour.

► Select the required colour next to **LED colour**

For key assignments **Line** and **BLF**, the selection **Standard** means:

Yellow	Not registered with the provider/phone system, or error
Green	Free
Permanently red	Conversation ongoing
Flashing red	Incoming call

Save the settings: ► **Set**

System settings

Date and time

The date and time can be set manually or using a time server.

► **Settings** ► **System** ► **Date and Time**

► From the **Automatic adjustment of system time with Time Server** list, select how the date and time are to be set.

With time server

► Select one of the following options:

Provisioning The date and time are set automatically. The time server is specified using provisioning (such as on a PABX).

DHCP Option 42 The time server is determined with DHCP Option 42.

Manual The date and time are set automatically by a time server you specify yourself.

► In the **Time Server** field, enter the name or IP address of the required server

The most recent synchronisation carried out with the time server is shown.

Entering manually

► From the **Automatic adjustment of system time with Time Server** list, select option **Local**

Time: ► Set the time using the arrows

Date: ►  Open the calendar ► Select the date

06 : 32
 
 

Other settings

- Time Zone:** ▶ Select the time zone from the list
- Summer time:** ▶ **Automatically adjust clock for daylight saving changes:**
Select **Yes/No**
- Time format:** ▶ Select the time format from the list:
12h (e.g. 6:00 AM) or **24h** (e.g. 18:00)
- Date order:** ▶ Select the date format from the list:
Day Month Year (e.g. 17.04.2019) or
Month Day Year (e.g. 04.17.2019)
- Save the settings: ▶ **Set**



Setting the time and date with the display menu: → [page 35](#)

Saving and restoring settings

Save data from the telephone to the PC and restore it back to the telephone if necessary.

- ▶ **Settings** ▶ **System** ▶ **Save and Restore**

Save Device settings to PC

All settings: System settings and personal settings (only possible as administrator)

Personalised settings: e. g. directory entries, ringtones, display settings, function key assignments

- ▶ click **Save personalized settings**
- ▶ select a storage location on the PC ▶ save file

Restore device settings from PC

- ▶ Click **Browse** ▶ select the stored back-up file from the file system ... the file is displayed ▶ click ... the file is loaded; a message indicates whether the loading process has been successful or not ▶ confirm the message with **OK**

Deleting unwanted back-up files: ▶ click

Restarting the system

- ▶ **Settings** ▶ **System** ▶ **Reboot and Reset** ▶ Click **Reboot system now** ▶ confirm prompt with **Yes** ... the telephone is rebooted and temporarily not ready for operation

Once this has been completed, the login screen is displayed again, the telephone is in idle status.



Resetting is only possible as administrator.

Status of the telephone

The **Status** menu contains information about the status of the telephone.

Device

The screen shows general information about the phone, such as the IP address, the current firmware version and the date and time settings.

▶ **Status** ▶ **Device**

Connections

The page shows information about the VoIP connections configured for the telephone.

▶ **Status** ▶ **Connections** . . . name and status are shown for each connection

Status	Registered	VoIP connection available.
	Not registered	Currently there is no VoIP connection assigned. The telephone cannot be used.
		▶ Please contact the administrator

The **Default send Connection** is marked with ✓.



Changing the standard send connection: → [page 43](#)

Storage Allocation

The page shows the memory space occupied by the internal memory and how much is still available (in percent). Ringtone files are stored in the internal memory, for example.

▶ **Status** ▶ **Storage Allocation**

Appendix

Service (Customer Care)

Do you have any questions? For quick assistance, please refer to this user guide or visit www.bintec-elmeg.com. Our bintec elmeg reseller will be happy to help with any further questions related to your bintec elmec phone.

Manufacturer's advice

Authorisation

Voice over IP telephony is possible via the LAN interface (IEEE 802.3).

Depending on your telecommunication network interface, an additional router/switch could be necessary.

For further information please contact your Internet provider.

This device is intended for use worldwide. Use outside the European Economic Area (with the exception of Switzerland) is subject to national approval.

Country-specific requirements have been taken into consideration.

We, bintec elmeg GmbH, declare that the radio equipment type elmeg IP640 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: www.bintec-elmeg.com/conformity.

This declaration could also be available in the "International Declarations of Conformity" or "European Declarations of Conformity" files.

Therefore please check all of these files.

Environment

Disposal

Batteries should not be disposed of in general household waste. Observe the local waste disposal regulations, details of which can be obtained from your local authority.

All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.



This crossed-out wheeled bin symbol on the product means the product is covered by the European Directive 2012/19/EU.

The correct disposal and separate collection of your old appliance will help prevent potential negative consequences for the environment and human health. It is a precondition for reuse and recycling of used electrical and electronic equipment.

For more detailed information about disposal of your old appliance, please contact your local council refuse centre or the original supplier of the product.

Care

Wipe the device with a **damp** cloth or an antistatic cloth. Do not use solvents or microfibre cloths.

Never use a dry cloth; this can cause static.

In rare cases, contact with chemical substances can cause changes to the device's exterior. Due to the wide variety of chemical products available on the market, it was not possible to test all substances.

Impairments in high-gloss finishes can be carefully removed using display polishes for mobile phones.

Contact with liquid

If the device comes into contact with liquid:

- 1 **Disconnect the power supply.**
- 2 Allow the liquid to drain from the device.
- 3 Pat all parts dry.
- 4 Place the device in a dry, warm place **for at least 72 hours (not in a microwave, oven etc.)** with the battery compartment open and the keypad facing down (if applicable).
- 5 **Do not switch on the device again until it is completely dry.**

When it has fully dried out, you will normally be able to use it again.

Menu tree







The following illustration shows the full menu tree of the display menu.

Contacts	Local Directory					→ page 30
	Enterprise					→ page 33
Select Services	Call Divert					→ page 24
	Withhold Number					→ page 18
	Call Waiting					→ page 21
	Active Ringbacks					→ page 18
Settings	Date + Time					→ page 35
	Audio Settings	Ringtones	Volume			→ page 36
			Melodies	Default Ringtone		→ page 36
				External Calls		→ page 36
				Internal Calls		→ page 36
				Group Calls		→ page 36
			Anonymous Call Silencing			→ page 36
		Call Volume	Handset			→ page 37
			Handsfree			→ page 37
			Headset			→ page 37
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		Brightness				→ page 37
		Background				→ page 38
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	Local Network					→ page 38
	VLAN					→ page 39
	Reset	for administrators only				→ page 39
	Reboot					→ page 39
	Info					→ page 40






Display icons

The following icons are displayed depending on the settings and the operating status of your telephone.





Icons in the status bar

Icon	Meaning
	No VoIP connection
	USB device connected
	Keypad lock activated
	Ringtone deactivated
	Headset connected over USB
	Voice message on an answering machine








Display icons to indicate ...

Icon	Meaning
	Incoming call
	Establishing a connection (outgoing call)
	Connection established
	No connection established / connection terminated
	Conference established

Symbols for the function keys

Icon	Meaning
	Line
	Quick Dial, Park + Retrieve, BLF
	Call Divert, FAC, DTMF
	SIP URI
	SIP Info

Other display icons

Icon	Meaning
	Action complete (green)
	Action failed (red)
	Information
	Warning
	(Security) prompt
	Open Options menu
	Searching for an entry

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