Handsets of the
D5 / FC5 and FC5 S Series Series

f.airnet
DECT over IP System

Operating manual

funktel

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Support

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Product information, safety notes and operating manual are
available from: www.funktel.com.

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Safety instructions

General safety information for all unit variants

To ensure the intended use as well as safety, reliability and performance of the device and the battery, please read the following notes before initial commissioning:

The safety notes (5008780000) are enclosed with the device and are available at the following Internet address: www.funktel.com/de/download.
Kindly direct any enquiries to our hotline: info@funktel.com.

D5R/FC5R and FC5R S personal emergency signal devices

■ The D5R/FC5R/FC5R S devices have a different, licence-specific scope of function to that of the standard versions of the D5/FC5 and FC5 S. Details regarding the functionalities can be obtained from supplier.

NOTE

Software, batteries, chargers, plug-in power supplies and accessories are the same for all devices.

Introduction

Overview of D5 and FC5 Series handsets

Legend

No.	Designation	Explanation
1	Emergency call button / SOS a) Emergency call button with SOS function (FC5 only) b) RIGHT SOFTKEY with Emergency call/SOS function (D5/FC5)	Function: ■ Used to initiate an emergency call or SOS call. ■ Pre-conditions ■ An emergency call number has been programmed ■ The handset is logged on to a system-compatible telephone system. ■ The handset is located within the range of the DECT radio coverage of the telephone system. ■ The emergency call/SOS function can be triggered on an FC5 by means of the emergency call button or by means of the RIGHT SOFTKEY. This requires the SOS call to be activated under "Security" with the PIN (personal identification number) being entered and the device being locked. **Note**: The "SOS call by RIGHT SOFTKEY" function is likewise possible in the case of the D5. "Triggering an SOS emergency call" on page 67
2	Socket for headphone/headset	Use a system-compatible headphone/headset from the accessory range. **Note:** A Bluetooth headset can be connected by means of the "blue.tooth (bt) radio connection" function, see Page 70.
3	Receiver	Earpiece, caller/third party
4	Display	Display showing telephone function, status, telephony and system settings.

Legend (cont'd)

No.	Designation	Explanation
5	Loudspeaker for hands-free conversations	On the rear side of the device
6	Key: LEFT SOFTKEY	Functions according to the condition (Indication in the display via the SOFTKEY)
7	Key:: RIGHT SOFTKEY.	■ Functions according to the condition (Indication in the display via the SOFTKEY)
8	[R] key	■ 1. Function: Enquiry, toggling, blind transfer to a telephone exchange ■ 2. Function: Hands-free On / Off (long keystroke)
9	PHONE BOOK key	■ 1. Function: A short keystroke in the general mode (idle display) opens the last-used phone book ("Device" on the handset or "Network" on the PBX) ■ 2. Function: A long keystroke after calling up a phone book toggles between the handset phone book and network phone book, insofar as these are set up and available

Legend (cont'd)

No.	Designation	Explanation
10	NAVIGATION ROCKER SWITCH ■ The navigation rocker has 5 pressure points ■ "Right (⇨)" ■ "Left (⇦)" ■ "Up (⇧)" ■ "Down (⇩)" ■ "Centre (⇗)" 	■ 1. Function: Operates as for RIGHT SOFTKEY (Press on the centre of the rocker switch). e.g.: ■ Calling up a menu when in the general mode (idle display) ■ Confirming settings ■ 2. Function: Navigation for selection of menus (Icons) or of list entries (press right, left, up or down on the NAVIGATION ROCKER) ■ 3. Function: To change the volume temporarily during a call (short keystroke to the left or right on the NAVIGATION ROCKER) ■ 4. Function: Settings and functions on the menu levels can be selected by direct access (shortcuts) with the aid off programmable keystroke functions (long/short keystroke on the right, left, up, down pressure points). **Note:** The "DECT Handset Configurator" is required for programming the keystroke functions.
11	RECEIVER PICK-UP key	■ 1. Function: To accept an incoming call ■ 2. Function: To initiate dialling of an outgoing call (as en-bloc dialling or individual dialling, depending on the telephone system) ■ 3. Function: To call up redial (long keystroke)

Legend (cont'd)

No.	Designation	Explanation
12	RECEIVER HANG-UP key	■ 1. Function: Ending a call ■ 2. Function: To switch on the handset ■ 3. Function: To switch off the handset
13	[1] key	■ 1. Function: Digit [1] (Dialling, Text editor) ■ 2. Function: Microphone muting (long keystroke in call condition) ■ 3. Function: Suppress audible signalling (shortcut, long keystroke in general mode (idle display) of the handset) ■ 4. Function: Highlighting the 1st sub-menu icon of a graphic menu display
14	Numeric keys [2] to [9]	■ 1. Function: Entry of digits and letters, (dialling, text editor) ■ 2. Function: To open the phone book (long keystroke in general mode, (idle display) jump to first entry of the letter that has been entered) ■ Highlighting the 2nd to 9th sub-menu icon of a graphic menu display
15	STAR / SHIFT key	■ 1. Function: Star character ■ 2. Function: Switch softkey ■ e.g.: Long keystroke in normal mode (idle display, Integral 55/DoIP) ■ 3. Function: Shift, lower / upper case letters (long keystroke)

Legend (cont'd)

No.	Designation	Explanation
16	HASH key	■ 1. Function: Hash character ■ 2. Function: Redialling (long key-stroke in general mode (idle display) Skip to first entry of list
17	Key [0]	■ 1. Function: Digit [0] ■ 2. Function: A long keystroke to call up the call or message list from the Integral 55 (such as a short keystroke on the NAVIGATION ROCKER, UP ARROW) key b) Long keystroke to call up the local message list (Message Input) on the DoIP system.
18	Microphone	■ Microphone aperture for caller

Content of this instruction manual

In this instruction manual you will find

■ put your handset into operation,

■ use all the device functions

■ to make settings to your handset, in order to adapt it optimally to your wishes and expectations.

Scope of delivery of a set

When receiving your handset as a set, check the scope of delivery immediately:

■ A business handset of the D5 type or FC5 series.

■ Interchangeable battery.

■ Charger with the plug-in power supply unit belonging to it.

- MEM-card (Set FC5)
- General safety information 5008780000.

All components of this set are also available individually.

NOTE

Handsets of the D5/FC5 Series are ready to operate on a PBX system when a battery is inserted; a MEM card is not required. If required, MEM cards (logged into the system) of D3, FC1, D4, FC4, IH4 and D11/FC11 DECThandsets can be used alternately. As an option, MEM cards are available as an accessory for D5/FC5 handsets under Part No 5010787050.
Details can be found under "Starting up" on page 21.

Where you can use your business handset?

The D5 Series handsets are suitable for use in an office or similar environment.

The robust FC 5 Series handsets are suitable for use in office-type environments as well harsh environmental conditions. Take note of the sections below:

Tips regarding the installation location

Use an anti-slip pad for the charger, especially on new or polish-treated furniture. Varnishes or polishes may contain substances that soften the base of your charger. The softened base can leave unwanted spots on furniture surfaces. funktel GmbH will not be liable for such damage.

Notes regarding operation

- Switch off the device if the use of radio telephones in your current location is prohibited, e. g. in the vicinity of medical equipment and facilities. Take note of relevant prohibitions!
- From time to time, check the icon indicating the charge state of the battery. Place the handset in the charger as soon as the empty battery display begins to flash, indicating a depleted battery.
- Take note of and follow the enclosed safety note:
  "Safety information 5008780000"!

Conventions and notes in this manual

Abbreviation of a path name

When a path to a function or setting is indicated by means of an abbreviation, then each path begins from the idle display, with the «Menu» entry. Thereafter further stages in the path follow, separated by the symbol ">".

Key designations

Key designations, including the operation of the soft keys, are in square brackets (**[**...**]**).

Menu names, text entries, displays

Menu names, text entries in selection lists and displays are in double angled quotation marks (guillemets) (**«...»**). Exception: Menu names and entries in path names, see above.

References to sections and headings

Designations of sections and headings in the text are in quotation marks ('...').

Notes regarding additional information

NOTE

This symbol indicates information that you need to know.

Notes regarding a tip

TIP

A tip is given using this symbol
For example, for quick, direct access to functions with the aid of shortcut keys.

Starting up

Modes of operation of the D5/FC5 Series

Handsets belonging to the D5/FC5 Series may be operated with initialised MEM cards of the D3, FC1, D4, FC4 and IH4 as well as the D11 and FC11 device types.

The D5 handsets and FC5 offer the following modes of operation

■ Operation without MEM card

  ■ All settings and log-in data for operation on a system-compatible tele-communication system such as the Integral 55, GAP systems or on f.air-net DoIP systems are stored in the memory of the handset.

  ■ The devices can be logged in to multiple system-compatible telecommu-nication systems consecutively. For example, to the telecommunication systems of different (company) locations. By subsequently selecting one of these logged-in systems, the bearer of the device chooses, based on his/her needs, which one of the telecommunication systems to which they are logged in is to be used.
  The device can only be used on *one of the logged-in telecommunication systems* at any one time.

■ Operating with a D3- or a FC1 MEM card

  ■ In this operating mode, the D5/FC5 Series is fitted with a MEM Card of a DECT handset of type D3 or FC1 that has already been logged in.

  ■ The devices use the log-in data on the D3 or FC1 MEM card and copy the content of the phone book from the MEM card locally to the internal memory of the handset.

  ■ At no stage do the devices write data back to the D3 or FC1 MEM Card.

  ■ The devices cannot be logged on to further PBXs while operating in this mode with a D3 or FC1 MEM card fitted. See Page 25.

  ■ If the D5 and FC5 handsets have logged into PBXs without a MEM card (see Operation without MEM card), they can neither be seen nor se-lected when operating with a D3 or an FC1 MEM card. These logins can only be used again once the MEM card has been removed

  ■ Phone book content that has been transferred from a D3 or FC1 MEM

card to the memory of a D5 or FC5 handset is also retained after removal of the MEM card.

■ Operation with MEM-Cards of devices of the D4, FC4 and IH4 Series as well as the D11 and FC11 Series.

   ■ In this mode, the D5 or FC5 is fitted with a MEM Card from the DECT handset of the D4/FC4/IH4 or D11/FC11 Series.

   ■ The D5 or FC5 uses the login data, device settings and phone book entries that are stored on the MEM cards of the above-mentioned types of devices.

   ■ Additions and changes to the phone book as well as further logging into PBXs are possible in this operating mode and are likewise stored on the MEM cards of the above-mentioned types of devices.

   ■ Whenever a D5 or FC5 logs in without a MEM card (see Operation without MEM card), it can neither be seen nor selected when operating with a MEM card of the above-mentioned types of devices. These logins can only be used again once the MEM card has been removed

If your business handset has not yet been assembled

If your handset has not yet been assembled completely when you receive it, the following steps are requited to start up the D5 or FC5:

■ If the D5/FC5 **replaces a DECT™ handset of type D3, FC1, FC4,or IH4 that is already logged-in (enrolled)** then the **MEM card with the login data of the D3, FC1, FC4, IH4 or D11/FC11 handset that is to be replaced** must be placed in the D5 or FC5.
If no MEM card is placed in the D5 or FC5, then the handset is in "Operating mode without MEM card"!

■ Fit the battery

■ Pull the protective film off the display,

■ Set up and connect the charger.

■ If you wish to operate the D5 or FC5 in "Operating mode without MEM card", then the system coordinator of the telephone system or a service technician must log in the handset on your telephone system.
Exception: If you wish to operate the D5/FC5 with a MEM card and the

login data of a D3, FC1, FC4 or IH4 D11/FC11 type of device, take note of Section "Information regarding the use of MEM cards in handsets" on page 23 below.

■ The handset is then ready to operate.

If your business handset has already been completely assembled

If you receive your D5 or FC5 handset in a fully assembled condition and have logged in to your telephone system, then you only need to set up and connect your charger.

Information regarding the use of MEM cards in handsets of the D3, FC1, FC4, IH4 or FC11 type

All handsets of the D3, FC1, FC4, IH4 or FC11 type require a MEM card for login (enrolment) on a compatible telecommunication system, similar to the SIM card of a mobile telephone.

Note: D4 and D11 device versions can, like the D5 and FC5, be operated without a MEM card. As an option, the devices also enable MEM card to be used when operating.

After a handset has been logged in by the administrator of the telephone system, the respective MEM card contains:

■ all the **data for login** required to operate on this telecom system.

■ as a rule, an **empty phone book**, which can be furnished with phone book entries by means of either a special configuration tool or individually by manual input on the handset

Should you wish to use a device of the D5 or FC5 Series as a replacement for a D3, FC1, D4, FC4, IH4 or D11/FC11 that has already logged in with a MEM card, proceed as follows ...

Inserting a MEM card ...

■ Switch the D5 or FC5 off immediately and remove the battery.

■ Slide the MEM card into the MEM card slot with the appropriate side

obliquely beneath the crescent-shaped holder on the narrow or long side. The gold-coloured contact surfaces of the MEM card must face downwards. The tapered corner of the MEM card must match the correspondingly tapered corner of the MEM card slot.

■ Press the MEM card downwards until the small retaining tab grips the card. The retaining tab is always located opposite the crescent-shaped holder

As soon as an initialised MEM card that has been removed from a D3, FC1, D4, FC4, IH4 or D11/FC11 is placed in the D5/FC5, the battery has been installed and the handset has been switched on again, the following applies ...

■ The D5/FC5 assumes the identity of its predecessor. It uses ...
  ■ the login data of the previous D3, FC1, FC4, IH4 or D11/FC11
  ■ the IPEI (International Portable Equipment Identifier) of the respective predecessor

■ The D5/FC5 proceeds with the phone book on the MEM card as follows ...
  ■ In the case of a D3 or FC1 MEM card, it takes over the phone book of the MEM card and writes it to its own internal phone book memory
  ■ If a MEM card of a handset of the D4, FC4, IH4, or D11/FC11 Series is inserted in a D5 or FC5, then the phone book entries that are on the MEM card are used without them being written to the internal telephone memory (copying).

NOTE

Phone book management when operating with a D3 or FC1 MEM card:
If you add to or change the phone book of your D5/FC5 on the handset, these additions / changes are only performed in the phone book memory of the D5/FC5. The content of the phone book on the MEM card remains unchanged.

Phone book management when operating with a MEM card from a D4, FC4, IH4 or D11/FC11 handset:
If you make an addition or change to the phone book of your D5/FC5

on the handset, these additions / changes are only stored on the MEM card that is used in the D4, FC4, IH4 or D11/FC11.

Logging the handset onto further PBXs when operating with a D3 or FC1 MEM card:
If you wish to log into an additional system-compatible telecommunication system with a D5/FC5 with a D3 or FC1 MEM card inserted, you must temporarily remove the MEM card from the D5/FC5 and place it in a D3/FC1 handset. You can now log in the D3/FC1 handset to the desired system. Next, the MEM card must be placed in the D5/FC5 again. The D5 or FC5 can now be operated, as required, on one of the systems to which it has just been logged in.

D5/FC5 operating with an enrolled MEM card of a D4, FC4, IH4 or D11/FC11 handset, logging into other PBXs:
A D5/FC5 with a MEM card inserted (D4, FC4, IH4 or D11/FC11 handset) can be logged into other system-compatible telecommunication systems as you are accustomed to doing with the handsets.

If you remove the MEM card of a D3, D4, FC1, FC4, IH4 or D11/FC11 hand-set from the D5/FC5, ...

■ the D5/FC5 assumes its own identity and its own IPEI once more for opera-tion without a MEM card.

■ at this stage the phone book entries present in the memory of the D5/FC5 are used. These entries comprise the copied phone book entries of the D3 or FC1 MEM card as well as the manual additions / changes that have been performed on the D5/FC5 with a D3 or FC1 MEM card in the mean-time.

Info: When operating a D5 or FC5 with a MEM card (FC4 card designation) from a Series D4, FC4, IH4 or D11/FC11 handset, in each case the phone book entries on the MEM card are used on the D5/FC5. Manual changes / additions on the D5 or FC5 are stored on the MEM card. All phone book entries are located on the MEM card exclusively and are no longer availa-ble on the D5/FC5 after the MEM card has been removed or when it is swapped with another MEM card!

ATTENTION

The D5R/FC5R device versions only function is licence-specific systems; should problems arise when the devices are commis-sioned, kindly contact the supplier of the handset.

Notes regarding commissioning with initial choice of

At commissioning, a selection menu to set the language is displayed after the device is switched on. Select the language in which the menu structure of your D5/FC5 is to be displayed or skip the selection by us-ing the SLEFT SOFTKEY. If no selection is made, the selection menu ap-pears again when the device is switched on again.

Menu selection

Display and Softkeys

Operation is supported by icons and texts in the display.

The display content and the functions of the soft keys - that is, the two keys on the left and right below the display - depend on the current status of the device (the so-called context).

The respective soft key functions are shown in the bottom line (footer) of the display directly above the soft keys.

Calling up the main menu

From the idle display, you can use the RIGHT SOFTKEY [Menu] to access the main menu. You return to the idle display with a keystroke on the LEFT SOFTKEY [Back].

Menu shortcut from the main menu

When menu icons are shown in the display, for example after a main menu has been called up, these menu icons (sub-menus) can be selected by means of a keystroke on one of the numeric keys [1] to [9] (pre-selection, selection).

The allocation of the numeric keys [1] to [9] and the 9 menu icons takes place sequentially from left to right and from top to bottom.
Example: Key [1] selects the top left icon, key [9] highlights the bottom right icon in the display.

In addition, the heading of the highlighted sub-menu appears in the header line of the display.

You can, by using the numeric keys, select one menu icon (sub-menu) after the other and obtain information regarding the function of the sub-menu with the aid of the header. If you press the same numeric key for a second time after highlighting any sub-menu, you will open the selected sub-menu. The sub-menus either contain further menu icons or menu items in the form of text lines.

TIP

Open the main menu by using the RIGHT SOFT KEY [Menu] and apply a **long** keystroke – until you hear a low confirmation tone – to one of the numeric keys [1] to [9] used as a shortcut. You will then proceed directly to the respective sub-menu.

Alternative path for menu selection from the main menu

You can also use the NAVIGATION ROCKER instead of the numeric keys as shortcuts (and shortcuts according to our tips) for selecting and calling up the sub-menus.

Proceed as follows:

- Open the main menu by means of the RIGHT SOFTKEY [Menu]
- Navigate to the desired sub-menu.
  - Press the NAVIGATION ROCKER [arrow to the right, left, up, down]
- Call up the sub-menu.
  - Press the NAVIGATION ROCKER [centre]
    (Alternatively: A keystroke on the RIGHT SOFTKEY [OK])

Sub-menus either contain further menu icons or menu points in the form of text lines.

Selection from further sub-menus or entries

The following possibilities exist after selection of a sub-menu.

- If further icons of the next menu level appear in the display, use one of the procedures already explained to select and call up one of the presented icons.

- If menu items or functions appear in the display in the form of text lines, navigate to the line with the desired menu item or function and open the menu item / function by means of the RIGHT SOFTKEY [OK].

The number of menu levels and their appearance in icon form or as a list line varies according to the various (sub-) menus.

Programmable operating elements

You can assign up to 8 main or sub-menu items (menus that are displayed as icons or text lines) as favourites on the 4 direction keys of the NAVIGATION ROCKER according to your preferences.

> **NOTE**
>
> List entries / text lines that do not represent (sub-) menus, as for example entries in the «Redial», «Missed calls», «Phone book», «Received calls» lists, cannot be assigned as favourites.

Repeat the following process for up to eight menu-icons in the form of list entries.

■ Mark a menu point or a function (text line) that you wish to assign as a favourite.

■ Enter a long keystroke on the CENTRE of the NAVIGATION ROCKER. A list opens with the programmable keys and their keystroke type (**long** or **short** keystroke).

■ With the aid of the NAVIGATION ROCKER, UP ARROW, DOWN ARROW, select from the list below the key with which you wish to call up your favourites at a later stage.

   ■ UP **short** (navigation rocker, Up arrow)

   ■ DOWN **short** (navigation rocker, Down arrow)

   ■ LEFT **short** (navigation rocker, Left arrow)

   ■ RIGHT **short** (navigation rocker, Right arrow)

   ■ UP **long** (navigation rocker, Up arrow)

   ■ DOWN **long** (navigation rocker, Down arrow)

   ■ LEFT **long** (navigation rocker, Left arrow)

   ■ RIGHT **short** (navigation rocker, Right arrow)

■ Confirm the choice with a keystroke on the CENTRE of the NAVIGATION ROCKER.

■ Note the favourites assigned by you in the following table (name of the menu or the function).

Individual function assignment

Individual function assignments of the rocker switch

Operating element	Type of keystroke (long or short key-stroke)	Call from the general mode of the handset	
Rocker switch		**Assignment ex works**	**Your assignment**
Up arrow (UP)	Long keystroke:	Not assigned	
	Brief keystroke		
Down arrow (DOWN)	Long keystroke:		
	Brief keystroke		
Arrow to the left (LEFT)	Long keystroke:		
	Brief keystroke		
Arrow to the right (RIGHT)	Long keystroke:		
	Brief keystroke		

Display

The display lines

Header line: Contains certain icons (battery charge state, connection, time, signal strength

Status line: Contains a status icon and a status text or multiple status icons for multiple display windows.

Up to 3 text lines Contains a number, a name or a message text

Footer: Contains the function text for the left and right softkey

Meaning of the icons in the header line

Symbol	Designation	Explanation
	Charge state of the battery outside of its charger	**Stepless, white display** of the battery charge status from "Battery full" or "Battery half-full" to "Battery almost empty". The battery of the handset is not being charged.
	Battery full	**Green battery icon, frame flashes green:** Handset is in the charger and the battery is charged completely.
	Battery empty	**Empty battery icon, frame flashes red:** Battery charge is only sufficient for a short time Place the handset in its charger.
	Battery is being charged	**Yellow battery icon with capacity display, frame flashes yellow:** Handset is in the charger, battery is being charged but is not yet full.
	Receiver	The handset has a telephone connection.
	Signal strength	Your handset is within range of a base station. The signal strength is excellent. You can make a call.
	Signal strength	The signal strength is insufficient. Your handset cannot establish a telephone connection. The antenna icon and the signal strength bars are greyed out.

Meaning of the icons in the header line (cont'd)

Symbol	Designation	Explanation
🔊	Loudspeaker	The loudspeaker on the rear of the device for hands-free operation is switched on.
⊗	Mute	The microphone is switched off. The party you have called (or who has called you) cannot hear you.
🎧	Headphone / headset	■ You are calling with the aid of a headphone/headset. The microphone and loudspeaker of the handset are switched of automatically. **Headset (aural call signalling)** ■ Call up Menu > Settings > Device settings > «Audio settings» and the «Headset» entry => Two radio buttons for setting the tone emitted for call signalling appear in the display. Either only via the earpiece (🎧) or via the earpiece and the loudspeaker (🎧 + 📢). **Note:** If a headset is connected to the handset, conversations are conducted via the headset only. The hands-free function cannot be used in combination with the headset.
⌐_	One of the special functions has been initiated by the [Star/Shift] key.	■ The [Star/Shift] key has been given a **long** keystroke, while you are in a text entry function. In this function, the keystroke alternates between various notations. **Long keystroke**: Hold the key pressed down, until a low confirmation tone sounds. This tone does not sound if the keytone has been switched off in the menu > Settings > Device settings > Audio settings > Tones.
📶T	blue.tooth (bt) radio connection activated	■ The bt radio connection for wireless telephony with a Bluetooth headset is switched on, see "blue.tooth (bt) - radio connection 2.4... GHz" on page 70.

Meaning of the icons in the header line (cont'd)

Symbol	Designation	Explanation
▨	No call signal.	■ At least one of the audible call signals for internal calls, external calls or for received messages has been muted. The handset no longer rings. The current settings for the call signal are to be found in the Menu > Settings > Device settings > Audio settings > Signalling. ■ The handset does not ring, as the signalling has been blocked with a **long** keystroke on key [1]. See Page 50.
⏰	Alarm clock active	■ The alarm clock is switched on. Displaying and changing the actually set alarm time, alarm signal or switching off the alarm in the Menu > Alarm clock.

Meaning of the icons in the status line

Symbol	Designation	Explanation
⇨▯	Incoming call	You receive a message, your handset rings. The number and name of the caller appears in the text line, in as much as this information is available.
▯⇨	Dialling process	You have begun a dialling process to call another subscriber.
▯–▯	Telephone connection	As a result, the handset establishes a telephone connection with this subscriber. The number and name of the other subscriber appears in the text line, in as much as this information is available.
⇦✉	Incoming message	You receive a message
✉⇨	Outgoing message ■ (only when operating on a DoIP or an Integral 55 telephone system)	"Message to" (Msg. To): You make a predefined call with a predefined text message to another subscriber.

Meaning of the icons in the status line (cont'd)

Symbol	Designation	Explanation
⊂⊐	Battery warning	The battery is depleted. You must place the handset in a charger and charge the battery as soon as possible.
⊗	Battery empty message	Battery charge is only sufficient for a short time Place the handset in its charger immediately. → The handset can shut down at any moment.
⇞	System service ■ (only when operating an Integral 55 telephone system)	You make use of the system service of the Integral 55 telephone system. ■ For example, redial ■ Or you call up the Call or Mail list (message list) from the telephone system
⊞	Lock	■ The key lock is switched on. First unlock the key lock! ■ The handset has been locked (Handset lock). If they have been set up, the SOS call function and the initiation of this call by means of the emergency call key are available. → To unlock the handset you require the current PIN.
Result icon		

×▯	Number of missed calls	You have missed calls
		 ■ The number at the bottom right next to the icon indicates the number of missed calls.
		   ■ The icon goes out as soon as you have opened the list of missed calls.
		   ■ The left softkey **flashes white**, the display shows the **Lists** key function (missed calls).

↪▯	Number of unread messages	You have received messages
		 ■ The number at the bottom right next to the icon indicates the number of messages still unread.
		   ■ The icon goes out as soon as you have opened the list of received messages.
		   ■ The left softkey **flashes red**, the display shows the **Lists** key function (unread text messages).

Meaning of the icons in the status line (cont'd)

Symbol	Designation	Explanation

	Number of un-heard calls in the mailbox (Voice-Mailbox)	Unprocessed calls are to be found on the answering system of your **f.airnet** telephone system.
		■ The number at the bottom right next to the icon indicates the number of calls not yet listened to.
		  ■ The icon goes out as soon as you have opened the list of received calls.
		  ■ The left softkey **flashes white**, the display shows the **Lists** key function (voice messages that have not yet been heard).

→ Note: If multiple event icons are displayed simultaneously, you can use the lEFT SOFTKEY [List] in the status line and select one of the icons with the aid of the ROCKER SWITCH [[left arrow, right arrow] to reach the Processing / view. Confirm the selection with the rIGHT SOFTKEY [OK].		

Contents of the text field in the display

Device status, notification	Contents of the text field
In the general mode (idle display)	Own number, own name, display name (DECT Controller), Call diversion target [> Call diversion target] if necessary
With an incoming call	Number and name of the caller, if available
With an outgoing call	Number of the party being called as well as his/her name, if available.
With an incoming message	Received message text
With an outgoing message	■ Text message sent with the "Msg. To" function (sending of predefined text messages), see Section "Messaging" on page 82
While entering text	■ Additional information regarding the selected text input mode - upper/lower case or numerals, See 'Basic rules of operation', Section on 'Editing text, upper and lower case, numerals' Page 44

Idle display wallpaper

The wallpaper of the idle display can be changed with the aid of the separately available application program for configuring the handset (Configuration tool).

TIP

The colour of the text that is displayed in the idle display can be changed in Menu > Settings > Device settings > Display >HS name colour.
Press the [up arrow], [down arrow] of the NAVIGATION ROCKER and try out which text colour is most easily legible against your wallpaper.

Basic rules of operation

When operating your handset, certain functions are used frequently. Be famil-
iar with these functions.

Switching on the handset

The handset has been shut down. Give the key HOOK ON **a long** keystroke.

Switching off the handset

Your handset is in the general mode (idle display). Give the key HOOK ON **a
long** keystroke.

Left and right soft key .

The function of the soft keys changes according to the situation. The function
always appears above the key in the display, e. g. [Menu] or [Ring off] or
[Options]   . . .

The RIGHT SOFTKEY is used to call up the function shown above the softkey, e. g.
to call up the main menu.

The LEFT SOFTKEY is used to call up the function shown above the softkey, e. g.
to disconnect a connection, to call up further options or to return to the previ-
ous display.

If you are in a menu and give the LEFT SOFTKEY a **long** keystroke, the handset
goes into normal mode (idle display).

Numeric keys

Working from the normal mode (idle display), each keystroke on a numeric key starts the preparation of a dialling process.

Working from a display with menu icons, a (short or long) **keystroke** on the numeric keys [1] to [9] proceeds to a menu shortcut. See section "Menu shortcut from the main menu" on page 27.

Navigation rocker switch

A keystroke on the centre of the NAVIGATION ROCKER, for example, completes the set-up process. Operation as for RIGHT SOFT KEY [OK].

By using the up, down, left or right arrow of the ROCKER SWITCH you can browse in a menu item or in a list. For example, in a number, message or call list. See also Section "Programmable operating elements" on page 31.

Dual-function keys

Certain keys of your handset have two functions assigned. They can be recognised by the additional imprint. If you wish to initiate the second additional function, the key must be given a **long** keystroke until a low-pitched confirmation tone is heard. The availability of key functions may depend on the current handset status (e. g. handset in normal mode or making a call) and the PBX on which the handset is being operated.

To change to the general mode

To switch from any menu to the normal mode (idle display), apply a **long** keystroke to the LEFT SOFTKEY.

Key lock - switching on by key sequence

| − | | * ⌐ |

Locking the keys: Press the RIGHT SOFTKEY [Menu] and the [Star] key in quick
succession. [Unlock] is now shown above the RIGHT SOFTKEY .

Releasing the key lock

When the key lock is switched on, the text [Unlock] in the footer above the
right soft key indicates this block.

| − | | * ⌐ |

To release the key lock: Press the RIGHT SOFTKEY [Unlock] and [Star] key in
quick succession. Appropriate texts in the status aid you in operating the hand-
set, as soon you touch e. g. a numeric key, while the keypad is locked.

Automatic key lock

You can set up an automatic time-controlled key lock under Menu > Settings >
Security > Key lock.

TIP

The automatic keylock blocks the keypad, if no calls and no operating
activities occur during the selected time. Manual unlocking of the key
lock is still possible. No PIN is required to release the key lock!

Security settings

PIN (Personal Identification Number)

The D5/FC5 and the FC5 S Secury handset offers two PINs under the "Security" menu item:

- A "PIN" for unlocking and relocking the handset
- A further "Security PIN" for
    - setting the parameters of emergency calls and of the position alarm that can be used without the Security mode and
    - log-on and log-off of the Security handset as a personal emergency signal device in Security mode.

Unlocking a shut-down handset

If your handset has been locked by means of Menu > Settings > Security > Shut down, only the emergency call initiation continues to function, if an emergency number has been set up.

For all other keystrokes you will receive the advisory «HS (Handset) locked, enter PIN» in the status line. A PIN input field opens simultaneously.

Enter the current PIN and confirm the entry with the RIGHT SOFT KEY [OK] . The handset is unlocked once more.

Temporarily changing the receiver volume during a call

The **normal setting** of the receiver volume takes place under Menu > Settings > Device settings > Audio settings > Receiver volume.

If necessary, you can change this setting **temporarily** during a telephone call:

You are calling without the hands-free function being activated.

Temporarily increasing the volume

To call up the function: Apply a **brief** keystroke to the **right** (or left) arrow of the NAVIGATION ROCKER. The notification «Receiver volume» appears in the header. Then ...

To increase the volume: Press briefly on the right-hand arrow of the NAVIGATION ROCKER multiple times. The volume is increased by one level for each key-stroke. Repeat the brief keystrokes, until the desired volume has been reached.

Temporarily reducing the volume

To call up the function: Apply a **brief** keystroke to the (right or) **left** arrow of the NAVIGATION ROCKER . The «Receiver volume» display appears in the header. Then ...

To reduce the volume: Press the left-hand arrow of the NAVIGATION ROCKER briefly multiple times. The volume is reduced by one level for each keystroke. Repeat the brief keystrokes, until the desired volume has been reached.

NOTE

The new setting remains active for the current call only. When the next call takes place, the basic volume that was originally set takes effect on the receiver.

Multiple display windows

When many different events (calls, messages, ...) have occurred, which have not yet been noted, the appropriate icon for each type of event is shown in the status line when in the idle condition. By selecting an icon, the associated display window is moved to the display.

Making a selection from multiple notification windows

■ Working from the normal mode, switch to the status line with a keystroke on the LEFT SOFTKEY [LIST].

■ Highlight the desired icon with a keystroke on the **right or left arrow** of the

NAVIGATION ROCKER .

■ Confirm the selection of the currently highlighted icon by a keystroke on the right softkey [OK].

The notification window of the marked icon appears in the display.

Editing text (text, numerals, upper / lower case)

$*$⌐

Each long keystroke [Star/Shift] changes the text mode by one function when entering text (e.g. when entering a name in the phone book) as follows:

■ «Abc» each word begins with a capital letter

■ «ABC» only upper case letters are used

■ «abc» only lower case letters are used

■ «123» only numerals are used

The telephone functions

Make phone calls as usual

You can make calls using your DECT handset as you are accustomed to doing from other telephones on your telephone system.

To make a call within the system (internally): Dial the extension number of the person to be called.

To make a call outside of the system (externally): First dial the exchange code (often zero) and then the telephone number of the external party.

> **NOTE**
>
> The telephone functions (dial, outgoing call) can be cancelled by
> pressing the [HANG UP] 🔴 key.

Calling, en-bloc dialling

`1 Δ` `2 ABC` `7 PQRS` `6 MNO`
Dial the desired number, e.g. 1 2 7 6.

`—` DELETE
Correct an error, if necessary

`📞`
Pick up. The dialling process begins.

> **NOTE**
>
> Some telephone systems support individual dialling (first pick up, then
> dial the number sequence) in addition to en-bloc dialling. Consult the
> documentation of your telephone system.

Calling from the phone book

Call up the phone book of the handset either by using the shortcut, the ⬚
[PHONE BOOK] key or via Menu > Phone book.

Calling from the phone book, shortcut

TIP

The handset is in the basic state - idle display.
Skip to the phone book and open the input field to enter a name by
means of a **long** keystroke on a letter key – e.g. on the first letter of
the desired name.

6 MNO .... 3 DEF or ⬚ [up arrow] / [down arrow]
Complete the name by using the letter keys. Wait a few seconds The phone
book offers an appropriately matching name as the call destination. Or now
browse through the list by using the up or down arrows of the NAVIGATION
ROCKER and select a list entry as the call destination.

⬚
Pick up. The dialling process begins with the first number of the highlighted
subscriber.

Or, instead of picking up ...

⬚ [OK]
Then use the RIGHT SOFTKEY [OK] to have the complete phone book entry dis-
played. Then ...

⬚

Use the up or down arrow of the NAVIGATION ROCKER to select the first or the sec-
ond number for dialling, if a second number is offered.

☐ [OPTIONS]

Using the RIGHT SOFTKEY [Options], open the list of options. (If necessary, high-light the 'Call' item by using the NAVIGATION ROCKER)

☐ [OK]

Confirm the 'Call' function with [OK]. Dialling starts automatically. Make the call. End the call.

NOTE

Instead of calling, you can select another operation from the list by means of the NAVIGATION ROCKER and execute it by using the RIGHT SOFTKEY [OK].

Calling from the Redial, Missed or Accepted call lists

You can also use entries from the «Redial», «Missed Calls» and «Received Calls» lists to make calls.

■ Call up the required list by means of the Menu > Sub-menu icon > ...

■ Browse through the list by using the up or down arrows of the NAVIGATION ROCKER and select a list entry as the call destination.

■ The rest of the operation proceeds as for the shortcut.

TIP

The shortcut to the «Redial» list takes place from the general mode of the device (idle display) by means of a **long** keystroke on the key

.

 NOTE

If an event symbol from the list on Page 35 is displayed in the status

line, the flashing LEFT SOFTKEY [List] $\boxed{-}$ additionally indicates events

that have not been taken note of. See "Multiple display windows" on

page 44.

Ending a call

$\boxed{\raisebox{0pt}{☎}}$

Hang up

Accepting a call

⟫

You handset rings

$\boxed{\frown}$

Pick up.

 TIP

If the handset rings, e. g. during a call, the ringtone can be suppressed

by pressing the $\boxed{R \, \triangleleft}$ key. You can then decide, in peace and quiet
without the irritating ring-tone, whether you wish to accept or decline
the call.

 NOTE

If you receive a message during a call, this call connection is not inter-
rupted.

Suppressing aural call signalling (shortcut)

Prerequisite: Your handset is in the basic state (idle display).

[1 ♫]

A **long** keystroke on key [1] switches the audible call signalling off and the vibrator on.
A reminder is displayed in the header of the idle display by means of a

crossed-out bell icon 🔔 .

[1 ♫]

A further **long** keystroke on key [1] switches back to the settings that have
been programmed under Menu > Settings > Device Settings > Audio settings
> Signalling.

The crossed-out bell icon 🔔 in the header of the idle display disappears.

TIP

If the crossed-out bell icon remains visible, at least one of the audible
signals has been deactivated. See Menu > Setup (Settings) > Phone
settings (Device settings) > Audio settings > Signalling.

50

Optionally activating silent charging

This function serves to switch aural call signalling in the charging station off and on again.

Prerequisite: Your handset is in the basic state (idle display).

`*⌐` [Star/Shift] / `R◁` [R] key

- To toggle the softkey function, apply a long keystroke to the [Star/Shift] key and then press the [R] key to activate or deactivate the function.

- Directly after confirming the function, the "Silent Charging On/Silent Charging Off" status is shown in the display of the terminal briefly (2-3 secs)

Rejecting a call

🔊
You handset rings

`−` [DISCONNECT]
A keystroke on the LEFT SOFTKEY [Disconnect] rejects the call. The caller hears the engaged tone.

The operation of a DoIP telephone exchange requires a different operating sequence.

- Keystroke on the LEFT SOFTKEY [Options], then

- Confirm the "Reject call" function by RIGHT SOFTKEY [OK].

Busy on Busy on a DoIP system, rejecting call when engaged

The feature is only available on the DoIP system and can be activated on the terminal. The default setting is off.

Proceed as follows:

■ Open the main menu by means of the RIGHT SOFTKEY [Menu]

■ Navigate by means of Settings => Device settings to the Device behaviour sub-menu

■ Select the Busy on Busy function and confirm by means of a keystroke on the RIGHT SOFTKEY [OK]

■ Activate the function by selecting On and confirm by means of the RIGHT SOFTKEY [OK].

Enquiry, Toggling, Blind Transfer

While making a call, you can make an enquiry to another party and then speak to each party alternately. The other party is then put on hold. In addition, a caller can be transferred.

Initiating, toggling, ending an enquiry

Initiating an enquiry

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
You make a call	
R ◁ </br> Initiate the enquiry The party that you called first does not hear you.	
7 PQRS **6** MNO **5** JKL **4** GHI </br> Enter the desired call-back number, e.g. 7654. The number 7654 is displayed	**7** PQRS **6** MNO **5** JKL **4** GHI </br> Enter the desired call-back number, e.g. 7654. The number 7654 is displayed
The connection to the second party is established. The first party is on hold.	Pick up. The connection to the second party is established. The first party is on hold.

Toggling between the parties during the enquiry

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
R ◁ </br> Each time that you press key [R] you toggle between the parties. This function is called **toggling** (broker's call).	

End the enquiry

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
📞 Hang up The connection to both parties is ended. If both parties have not yet hung up, they are now connected to each other. See also, 'Transferring a caller'.	

Transferring a caller

Initiating an enquiry, connecting a caller

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
🧏 You call party A.	
R ⊿ Initiate the enquiry The party that you called first does not hear you.	
7 PQRS 6 MNO 5 JKL 4 GHI Enter the desired call-back number, e.g. 7654. The number 7654 is displayed	7 PQRS 6 MNO 5 JKL 4 GHI Enter the desired call-back number, e.g. 7654. The number 7654 is displayed
The connection to party B is established. Party A is on hold.	📞 Pick up. The connection to party B is established. The first Party A is on hold.
	Wait until the message «Calling» appears in the header of the display on your handset or until the second party (B) picks up. The header of the display on your handset then shows the message «Connected».
📞 Hang up Party A and party B are now connected to each other.	📞 Hang up Party A and party B are now connected to each other.

NOTE

You can transfer Party A without waiting for Party B to pick up.

Three-party conference call

You can conduct a three-party teleconference (3PTY, three-party conference) with two additional parties. In this case, each party can talk to the other.

Initiating a conference

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
To be able to use the 'Three-party conference', your handset must be released on the Integral 55 system.	
  You make a call	
R ◁ Initiate the enquiry The party that you called first does not hear you.	
7 PQRS 6 MNO 5 JKL 4 GHI Enter the desired call-back number, e.g. 7654. The number 7654 is displayed	7 PQRS 6 MNO 5 JKL 4 GHI Enter the desired call-back number, e.g. 7654. The number 7654 is displayed
The connection to the second party is established. The first party is on hold. (You hear a rejection tone if the connection cannot be established.)	☎ Pick up. The connection to the second party is established. The first party is on hold.
R ◁ Transfer.	R ◁ Transfer (toggle) if desired.
4 GHI Enter the code for a conference, e.g. 4. «Conf.» appears in the display You can now speak to both parties simultaneously.	■ Open a selection list WITH THE LEFT SOFT KEY [Options] ■ Using the Up/Down NAVIGATION ROCKER , select the [3- party conference] function ■ Using the RIGHT SOFT KEY [OK] confirm the «3-party conference» function
  You are now in a 3-party conference call.	

Ending a conference call

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
👩 You are now in a 3-party conference call.	
R ◁) Make an enquiry.	Alternatively: Break the connection to Party 1 or Party 2. ■ Using the LEFT SOFTKEY [Options], open a selection list. ■ Using the Up/Down NAVIGATION ROCKER , select the [Disconnect Pty_1] or [Disconnect Pty_2] function. ■ Using the RIGHT SOFT KEY [OK] confirm the selected function
You remain connected to both parties and can switch between them (toggle).	You remain connected to the party whose connection you have not "ended" (disconnected).
☎ Hang up The connection between you and both parties is disconnected. The connection between the both parties remains connected, until one of them hangs up.	☎ Hang up The connection between all parties to this three party conference is disconnected.

Calls on open listening, switching off the microphone

Your handset has a hands-free facility. When you switch on the hands-free function, you can hear the party via the rear-mounted loudspeaker. In addition, you can use it hands-free, without holding the handset in your hands or in front of your mouth.

You can switch off the microphone in your handset while calling. During this, the party being called remains connected. The party does not hear you, but you hear him/her.

Switching the hands-free function on and off.

You make a call

R ◁

Switching on the hands-free function: Give key [R] a **long** keystroke. For hands-free operation, you can hear the party via the loudspeaker. ◀)) appears in the display.

R ◁

Switching off the hands-free function once more: Give key [R] a **long** keystroke. The ◀)) icon disappears from the display.

Switching the microphone off and on (Mute on / off)

You make a call

1

Switching off the microphone: Give key [1] a **long** keystroke. appears in the display. The party you have called (or who has called you) cannot hear you.

1

Switching on the microphone once more: Give key [1] a **long** keystroke. You can proceed with the telephone call, the party can hear you once more.

The icon disappears.

> **NOTE**
>
> At the end of the call, the loudspeaker is switched off and the micro-phone switched on again.

> **TIP**
>
> If you place your handset in the charger during a call, the hands-free mode is switched on, if this behaviour has been activated in the Menu > Settings) > Device settings > Device behaviour > Behaviour in charger.

Configuring call diversions

If required, you can set up call diversion for your handset.

Opening the Menu «Call diversion», setting up call diversion

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
The handset is in idle mode. You will see the normal display (Background image)	

■ ⎯ [MENU]
  Open the main menu by means of a keystroke on the RIGHT SOFTKEY [Menu]
 	
■ Navigate to the icon 📖 .
  The «Call diversion» heading appears in the header line of the display.
■ Open the «Call diversion» menu with a keystroke on the RIGHT SOFTKEY [OK].	

On an Integral 55, you have a choice of the of the following functions: ■ Configure Call Diversion ■ Delete Call Diversion ■ Enable Follow Me ■ Follow Me active? ■ Activate / deactivate Follow Me	You have a choice of the following functions on a (**f.airnet** system) DoIP system: ■ ⌄ Diversion "immediately" ■ ⌄ Diversion "if busy" ■ ⌄ Diversion "after delay"

The "Call diversion" function offers the following types of diversion:
■ (Call diversion) "immediately"
■ (Call diversion) "If busy"
■ (Call diversion) "If unavailable"
■ (Call diversion) "On no reply"
The "Erase call diversion" function ends call diversion that has been set up.
By using the "Follow Me" functions you can redirect calls that are made to other devices, to your handset. The calls "follow" you.
	Each of these three diversion types offers the following possibilities
	   ■ Internal calls (divert)
	   ■ External calls (divert)

Opening the Menu «Call diversion», setting up call diversion (cont'd)

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
Enabling / disabling standard call diversion	**Configuring call diversions**
■ Navigate to either the entry "Set up call diversion" or "Erase call diversion"	■ Navigate to either the ▽ , ⊖▽ or ⊙▽ icon. The heading «On al calls», «On busy» or «On no reply».appears in the header of the display
■ Confirm with a keystroke on the RIGHT SOFTKEY [OK]. The relevant heading «Set up call diversion» or «Erase call diversion» appears in the header of the display.	■ Confirm with a keystroke on the RIGHT SOFTKEY [OK].
■ Select the diversion type that you wish to set up or disable.	■ Navigate to either the «Internal calls» or «External calls» entry
■ Confirm with a keystroke on the RIGHT SOFTKEY [OK].	■ Confirm with a keystroke on the RIGHT SOFTKEY [OK].
■ If you have selected the disable function, it is executed.	■ Wait until the line with the checkbox for activating / deactivating call diversion as well as the input line for the number appear in the display.
■ In all other cases:	■ Navigate to the line with the checkbox and activate / deactivate call diversion with the LEFT SOFTKEY [Change].
■ Wait until the input field for the number appears in the display.	■ Navigate to the input line for the number and enter the number, to which the incoming calls must be diverted.
■ Enter the number to which incoming calls must be diverted.	■ Confirm with the RIGHT SOFTKEY [Options] and end with [OK] for «Cancel» or «Save».
■ Confirm the selection with the RIGHT SOFTKEY [OK].	

Opening the Menu «Call diversion», setting up call diversion (cont'd)

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
Details regarding call diversion "after delay"	**Details regarding call diversion "after delay"**
■ For call diversion "On no reply" there is only one input field for the number, to which calls must be diverted. The period of time that must elapse before the diversion takes place is specified for the entire PBX in the case of the Integral 55. Contact your system administrator for further information.	■ Apart from the enabling checkbox there are two input fields: For the number, to which calls must be diverted and for the time period that must elapse before the diversion takes place.
Setting up Follow Me	■ Navigate to the input fields for the number and the time respectively. Edit their contents.
From your handset, you can divert calls from another telephone to yourself. Then you must:	■ Enter the «Number» and the «Time in seconds».
■ ... first prepare this function on the other telephone – «Enable Follow Me».	■ Confirm with the RIGHT SOFTKEY [Options] and end with [OK] for «Cancel» or «Save».
■ ... enter the number of the other telephone on your handset – «Follow Me active».	
■ Thereafter, at the desired time, you can activate the call diversion – «Enable / Disable Follow Me». Contact your system administrator for further information.	
a Should functions not be available, please contact the system administrator of your telephone system!	
b In the case of a disabled call diversion, the checkbox below the «Active:» line is not ticked!	

Opening the «Call diversion» menu, setting up Call Diversion (cont'd)

Call diversion to a DoIP without a Funktel PBX

The feature for diverting a call to an alternative PBX is only available in DoIP mode and can be activated on the terminal.
The default setting is <u>Astimax (REST)</u>.

The setting should only be changed if the PBX does not support the default call diversion feature but accepts forwarding via SIP and if the function has been activated on the DECT Controller (as from Version 5.1.2RC3).

Proceed as follows:

■ Open the main menu by means of the RIGHT SOFTKEY [Menu]

■ Navigate by means of Settings => Device settings to the <u>Call Diversion</u> sub-menu

■ If your PBX does not support the call diversion function, use the navigation rocker to select the <u>IWU (SIP)</u> method and confirm with a keystroke on the RIGHT SOFTKEY [OK].

Prerequisite: The SIP function is supported by the PBX and is activated on the DECT Controller (as from Version 5.1.2RC3).

Voice Mailbox (DoIP, f.airnet System)

You can set up a voice mailbox for your handset in the telephone system. If necessary, contact the system administrator of your PBX.

Listening to the voice mailbox from the idle display

Creating the requirements for the use of a voice mailbox ...

■ Set up a voice mailbox for your handset in the telephone system. This voice mailbox can be reached under its own number.

■ On your handset, select a call diversion of your choice («On all calls», «On busy» or «On no reply») to the number of the voice mailbox. The number of this voice mailbox now appears in the bottom line of the idle display. « **>> Number** ».

■ The event icon ![icon] in the status line indicates at least one unheard voice mail. [List] stands above the left softkey.

> **TIP**
>
> If you set up a "Call diversion on busy" for your handset, you should activate the "busy if busy" option for your handset on the telephone system. Otherwise, no call diversion "On busy" can take place as this conditions is not recognised.

Highlighting the event icon ![icon] , listening to the voice mailbox ...

■ ☐ [List]

Press the LEFT SOFTKEY [LIST] until the event icon of the voice mailbox is highlighted by a light background in the status line of the idle display (general mode).

■ If multiple event icons are displayed in the status line, use the right arrow of the **ROCKER SWITCH** to mark the symbol ![icon] .

■   — [OK]

Press the RIGHT SOFTKEY [OK], to set up the connection to the mailbox. Wait for the connection indicator 🔲🔲 in the status line.

■   * ⌐ [Star/Shift]

Press the [Star/Shift] key as soon as the connection indicator 🔲🔲 appears. Follow the instructions, to recall your voice mail.

Listening to the Voice Mailbox

You can listen to the calls saved in your voice mailbox as you require.

Prerequisite ...

■ A voice mailbox is set up in the telephone system for your handset This voice mailbox can be reached under its own number.

Listening to the mailbox ...

5 JKL   6 MNO   0   1 Δ   1 Δ   9 WXYZ   7 PQRS   4 GHI
Dial your mailbox number, e.g. 5 6 0 1 1 9 7 4.

— DELETE
Correct an error, if necessary

- ⌢

    Pick up. The dialling process begins. Wait for the connection indicator 🔗
    in the status line.
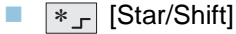
- *⌐ [Star/Shift]

    Press the [Star/Shift] key as soon as the connection indicator 🔗 ap-
    pears. Follow the instructions and call up your voice mail.

📵

Hang up The connection between your handset and your voice mailbox is bro-
ken.

ℹ NOTE

Familiarise yourself with the features and settings of your telephone
system.

Triggering an SOS emergency call

The "Triggering an SOS emergency call" feature must be set up on the handset before it is used for the first time. See Menu > Settings > Device settings > Emergency number.

Initiating an emergency call when the handset is shut down

Prerequisite: The handset has been locked (Handset lock). The display above the RIGHT SOFTKEY shows [**SOS**].

Give the RIGHT SOFTKEY [SOS] a **long** keystroke. The emergency number is dialled.

Alternatively: Dialling of the emergency number on the SOS key is **prepared** by first applying a **a short keystroke** to the RIGHT SOFTKEY [SOS] and then **triggering** by means of a **second keystroke** on the RIGHT SOFTKEY [SOS].

NOTE

The SOS emergency call is only available if an emergency number has been entered and the handset is within radio range of the PBX.

Further features ...

Making entries in the phone book

Making a manual entry

Copying an entry from one of the telephone lists

Editing an existing entry in the phone book

**System and telephone functions as a phone book entry
(Integral 55 and f.airnet DoIP system)**

TIP

The following options exist for the selected entry in the phone book:
«Call», «Edit», «Delete», «Delete all» (Deletes all phone book entries).
«Memory status» shows the number of phone book entries and the
memory still available.

Tone dialling process (DTMF)

In-band signalling process of DTMF tones when connecting

DTMF (Dual Tone Multi-Frequency) signalling is also designated as a multi-frequency dialling process and must only be changed if this is required by the PBX to which the telephone is connected. Default setting on the terminal is deactivated locally.

Proceed as follows:

■ Open the main menu by means of the RIGHT SOFTKEY [Menu]

■ Navigate by means of Settings => Device settings to the Device behaviour sub-menu

■ Select the DTMF Generation function and confirm by means of a keystroke on the RIGHT SOFTKEY [OK]

■ Activate the local function by pressing the RIGHT SOFTKEY [Change] and store by using the LEFT SOFTKEY [Save].

blue.tooth (bt) - radio connection 2.4... GHz

Cordless telephony with Bluetooth headset

The FC5 handset can be operated with a cordless Bluetooth headset by means of a bt radio connection.

Activating/deactivating the 2.4 GHz radio connection

■ Open the main menu by means of the RIGHT SOFT KEY [Menu]

■ Navigate by means of [Settings] => [Device settings] to the => **blue.tooth** sub-menu

■ Select the "Status" menu item and confirm by means of a keystroke on the RIGHT SOFTKEY [OK]

■ Activate or deactivate the "bt radio function" function with the aid of the navigation rocker:

  - An upward or downward keystroke activates (On) or deactivates (Off) the function.

  - To leave the menu, press the 🔴 HANG UP RECEIVER key.

  - The ![BT] "<<Header Icon>> signals a "bt radio connection activated" status.

Logging in the Bluetooth headset (pairing)

Before using your Bluetooth headset, read the associated safety information and the operating manual.

■ Pairing:
  Switch the headset on and activate the pairing mode.

■ FC5 Bluetooth headset devices "Search...":

  - Activate the search for Bluetooth headset devices,
    [Menu] > [Settings] > [Device settings] > [blue.tooth]
    => "Search...".

  - Select and start the "Headset device search" by pressing the RIGHT SOFT-KEY [OK] and wait until the search shows the name of your headset.

  - Connect Bluetooth Headset Device (log in),
    log the headset into the FC5 handset by pressing the RIGHT SOFTKEY [Connect].

  - To leave the menu, press the Hang up receiver 🔴 key.

■ List of discovered (logged in) Bluetooth headset devices:

  - "Discovered devices" Bluetooth headset devices list,
    [Menu] > [Settings] > [Device settings] > [blue.tooth]
    => "Discovered devices".

  - Open the "Discovered devices" Bluetooth headset list by pressing the RIGHT SOFTKEY [OK] to display headsets that are logged in.

  - "connect, disconnect or delete" Bluetooth headset devices in the list of discovered devices:

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Using the navigation rocker, highlight the preferred device and press the RIGHT SOFTKEY [Options].

Depending on the login status, select your "connect, disconnect or delete" option by pressing the RIGHT SOFTKEY [OK].

Device ID (MAC address)

The "MAC (Media-Access-Control)" hardware address of the bt radio connection can be seen in the "Device ID" sub-menu,

[Menu] > [Settings] > [Device settings] > [blue.tooth] => "Device-ID".

TIP

Bluetooth headsets (function tested) that match the FC5 can be selected from the range of Funktel accessories or electronic retailers. No functional reliability is guaranteed for the operation of Bluetooth headset devices that are not listed as Funktel accessories for the FC5.

The Integral 5 telephone functions

When the handset is operated on an Integral 5 telephone system, the tele-phone functions with the following headings are operated in the same manner as the equivalent functions on the IC55 Mobility Server. See Page 46 to Page 69.

- ■ Make phone calls as usual
  - ■ Calling, en-bloc dialling
  - ■ Calling from the phone book
  - ■ Calling from the phone book, shortcut
  - ■ Calling from the redial, missed call or received calls lists
  - ■ Ending a call
  - ■ Accepting a call
  - ■ Suppressing audible call signalling (shortcut)
  - ■ Rejecting a call
- ■ Calls on open listening, switching off the microphone
- ■ Triggering an SOS emergency call
- ■ Making entries in the phone book

NOTE

Before your handset is used on an Integral 5, you must first log onto the system concerned. Thereafter you can switch to use on various systems at any time.

If you have switched on one-touch dialling on the Integral 5, each se-lected digit is dialled immediately!

The GAP telephone functions

You can use the D5 and FC5 Series handsets on GAP PBXs as well as GAP base stations. In doing so, the usual features of the Mobility Server are reduced to the features that are supported by the relevant PBX or GAP base station.

■ Features whose operation differs only slightly from the comparable functions on the Mobility Server are described in the sections: 'Telephone functions, making a call as usual' from Page 46 (En-bloc calling) to Page 51 (Rejecting a call).

NOTE

Before your handset is used for the first time on a GAP PBX or a private GAP base station, you must first log onto the system concerned. Thereafter you can switch to use on various systems at any time.

Making an internal call with another handset of the Calling a GAP base station

[Centre]

Initiate the internal connection by means of a keystroke on the **centre of the NAVIGATION ROCKER**.
(On a D5/FC5, this keystroke replaces the function of the **Internal key** of an original GAP handset).

`1 Δ` .... `6 MNO`

Internal number of an (original) handset on the GAP base station is dialled. Wait for the connection, make the call.

Hang up The internal connection is disconnected.

NOTE

The operation of individual GAP features can vary between the GAP PBXs and GAP base stations of different manufacturers!

TIP

In GAP mode, a keystroke on the LEFT SOFTKEY ⎯ ends all connections!

Configuring the handset

Under the menu items Menu > Setup (Settings) >

■ ... Device settings

■ ... System settings

■ ... Security settings

you will find the settings of your handset and the telephone system. By means of these settings, you can adapt the handset to your requirements.

ℹ️ **NOTE**

Only those settings options that are supported by the telephone system onto which the handset is logged are displayed in the menu lists!

List of settings

■ Phone settings

 ■ Audio settings > Ringtone melody

 ■ Audio settings > Ringtone volume

 ■ Audio settings > Earpiece volume

 ■ Audio settings > Signalling

 ■ Audio settings > Headset (Options for operating with a headset connected, call signalled via the headset only or additionally via the loudspeaker)

 ■ Audio settings > Tones

 ■ Audio settings > Ambient noise (Adaptation of microphone sensitivity to the environment)

 ■ Display > Setting illumination

 ■ Display > Setting illumination duration

 ■ Display > Setting brightness

 ■ Display > Background colour

 ■ Display > Menu colour

- ■ Display > HS name colour (Text colour of the text in the idle display)
- ■ Display > Wallpaper (Displays the current wallpaper [background image])
- ■ Display > Message font (displays the font selected for message texts)
- ■ Phone behaviour > Silent charging
- ■ Phone behaviour > Behaviour in charger
- ■ Phone behaviour > Automatic pick-up (off-hook)
- ■ Phone behaviour > Busy on Busy (DoIP), reject call when engaged
- ■ Phone behaviour > DTMF generation
- ■ Phone behaviour > One-touch dialling (only available with handsets that are logged in to an Integral 5)
- ■ Language > Language display (Handset menu)
- ■ Language > Text input (Character set)
- ■ Date / Time > Time / Date / Date format
- ■ Emergency number > «System name, I55, GAP, DoIP, ...» (Setting up and changing an emergency call, access protected by the Secury PIN)
- ■ Call diversion > Astimax (REST), IWU (SIP) Call diversion to DoIP without Funktel telephone exchange
- ■ phone book > Phone book server, activate/deactivate the network phone book (DoIP)
- ■ Phone book > Device or network (DoIP) phone book selection, priority display of the selected phone book with shortcut (Phone book key) or via the menu
- ■ Phone book > Display, First/Surname or Surname/ First name (DoIP)
- ■ bt radio connection 2,4... GHz > Status (on/of)
- ■ bt radio connection 2,4... GHz > Discovered devices (display showing the last Bluetooth headset devices to have been used)
- ■ bt radio connection 2,4... GHz > Search ... (Connection search for Bluetooth headset devices or "pairing")

- ■ bt radio connection 2,4... GHz > Device ID (Displays the "MAC/Media Access Control" hardware address of the module for bt radio connection)
- ■ Call Charges (I55) > Call Charges (reception)
- ■ Call Charges (I55) > Active call
- ■ Call Charges (I55) > Show call charges
- ■ Call Charges (I55) > Delete call charges
- ■ System call list (I55)
- ■ Call Waiting (I55)
- ■ Double Call (I55) > Set up double call
- ■ Double Call (I55) > Enable / disable double call

■ System settings

- ■ Dialling process > Log in telephone, (System selection 1-10)
- ■ Selection process > Automatic or exclusive system selection
- ■ Selecting a system > System selection (in Exclusive mode only)
- ■ Changing a system name > Change and individually name logged-in systems
- ■ Changing a handset name (HS Name) (only when operating in a GAP system)
- ■ Telephone IDs > IPEI/International Portable Equipment Identity, IPUI/International Portable User Identity
- ■ Software Version
- ■ Hardware Version

■ Security settings

- ■ PIN (entering a new PIN), Device PIN to disable (lock) the operating functions
- ■ Secury PIN (PIN protection for setting up the SOS emergency call)
- ■ Keypad lock (automatic)
- ■ Lock with input of the device PIN

TIP

If a setting (a function or a feature) cannot be changed, contact the system manager of the telephone system. Some functions must be activated in the telephone system before use.

Messaging

NOTE

The messaging functions are available only on a Mobility Server (e. g. Integral 55 or on our DECT™ system-compatible f.airnet telecommunication system) with a connected message server. The message server is an enhancement to your system-compliant telephone system (Mobility Server).

Messaging on other system-compatible DECT telecommunication systems may differ from this description in detail.

Notes regarding the availability of features can be found in the relevant sections of this manual.

Messaging allows you to receive or send short alphanumeric messages (texts, digits) with your handset. You can send messages to individual subscribers or groups. The number of a subscriber can in isolated cases differ from his/her telephone number.

When operating the handset on a Mobility Server of the DoIP or Integral 55 type, the messages are predefined texts, e.g. «Call text». If required, any digits up to the maximum length of the message can be post-dialled. The list of predefined texts can be obtained from your system manager.

Success check for the sender

The sender receives confirmation whether the transmission of the message was successful.

If the message contains a request for manual acknowledgement and the recipient has acknowledged manually, the sender receives an acknowledgement of receipt in addition. Examples: POS <Call text> or NEG <Call text>.

Storage of received messages

The last 10 messages are stored in the system message list of the Integral 55 Mobility Server, the last 20 messages in the «Msg input» of the handset.

When operating a f.airnet DECT-over-IP telephone system, the last 20 messages are stored in the «Msg input» message list of the handset. The f.airnet telephone system has no system message list.

NOTE

for working with the system lists of the Integral 55 Mobility Server...

If only one of the two system lists, (mail list, call list) contains entries, this list is opened immediately by a keystroke at the top or bottom of the navigation rocker. You can browse the entries in the opened list by further keystrokes at the top or bottom of the navigation rocker.

If both lists contain entries and if the call list is activated, the «Mail List» appears in the display, if you press the top or bottom of the navigation rocker. Select the «Mail List» or the «Call List» with further keystrokes at the top or bottom of the navigation rocker. Confirm the selected list with the navigation rocker [OK]; open it (by pressing the centre of the key) and then select an entry in the opened list with further keystrokes at the top or bottom of the navigation rocker.

Preconfigured signalling patterns for messages

Ten signalling patterns are available for messaging (receiving messages, sending messages). These signalling patterns belong to 10 call types with various priorities.

Messaging signalling call types in the Nucleus system

Nucleus Client messaging signalling call types

Signalling call types (DoIP):

■ The signalling call type increases in urgency, beginning with Priority 1, the "lowest level" and rising to Priority 10, the "highest level". Text notifications are indicated aurally and visually on the terminal in various ways, according to the selected priority.

■ Call types 1 to 7 are automatically acknowledged forms of signalling and do not require manual acknowledgement on the terminal; the sent text messages are acknowledged automatically. Sending call types with priorities 8 to10 require manual acknowledgement on the terminal (positive or negative confirmation).

Signalling call types with DSS/TSS webnet® · gms Client
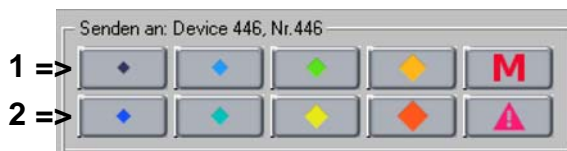
Messaging signalling call types by means of webnet® · gms Client with I55 or DoIP system

Signalling call types with connection of Integral 55 system:

■ In a webnet gms Client with I55 system, 5 signalling call types (call type in Line 1) are available, which are signalled aurally and visually in different ways. Priorities increase from left to right, 0 sends messages of least importance, transmitting with Priority 4 has the highest urgency and requires manual acknowledgement of the call on the handset (positive or negative confirmation).

Signalling call types with connection to DoIP system:

■ In the case of a webnet gms Client with a DoIP system, 10 signalling call types (call type in Line 1+2) are available. Call types in Line 1 with Priorities 0-4 are as already described for the I55 System and additional signalling patterns with priorities rising from 5-9. The call types in Line 2 signal text messages that are acknowledged automatically and require no action (acknowledgement) on the handset.

Receiving a message

꩜

Your handset rings with a signalling pattern (ringtone, ringtone duration, display presentation, ...) depending on the settings with which the message has been sent.

The number of the sender and the message, e.g. «5371 Meeting in room 109» appears in the display, if available. As long as the message is visible, you have the following possibilities:

Turning off the ringtone, deleting a message from the display

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
꩜ You receive a message, your handset rings ...	
■ To turn off the ringtone: ⬚ [RING OFF] Press LEFT SOFT KEY [Ring off] **once** only. The ring tone mutes. ■ To delete the message from the display ⬚ [RING OFF (CLEAR)] Press LEFT SOFTKEY [Ring off] **twice** (i. e. a second time after muting the ringtone). The [Ring off] text disappears ■ The message is located in the message input of the message list of the handset. See also Section "Message lists" on page 87.	■ ⬚ [BACK] Press LEFT SOFTKEY [Back] **once** only. The ring tone mutes. The display reverts to normal mode. The text [Back] disappears ■ The message is located in the message input of the message list of the handset. See also Section "Handset message lists" on page 88.

Confirm the message manually, positive / negative

Handset on the Integral 55	Handset on the DoIP (f.airnet system)
If important messages are sent to a handset with a request for manual acknowledgement, the message e.g. «Meeting in room 109», appears in the display of the handset accompanied by the flashing request «acknowledge». You must now confirm this message manually. There are two possibilities:	

■ Positive message confirmation

    | − | [POSITIVE]

LEFT SOFT KEY [Positive] is pressed. «+++OK», appears in the display for a short time, if the positive acknowledgement has been sent successfully.

■ Negative message confirmation

    | − | [NEGATIVE]

Press the RIGHT SOFT KEY [Negative]. «---OK», appears in the display for a short time, if the negative acknowledgement has been sent successfully.

Message lists

System message list of the Integral 55

The last 10 messages are stored in a message list (Mail Memory) of the Mobility Server. The text "mail" in general mode (idle display) identifies a system message list that has been read completely; the text "MAIL" (in capitals) indicates that there is at least one unread message in the system message list.

TIP

We recommend that the **handset message list** be used instead of the system message list!

Calling up and reading a message from the Integral 55 system message list (see also instructions on Page 82)

Call up the system service of the system either by using the NAVIGATION ROCKER [Up arrow] or by a **long** keystroke on key [0] key, then ...

■ use the NAVIGATION ROCKER [Up / Down arrow] to call up the «Mail List», ...

■ use the NAVIGATION ROCKER [OK] (Centre) to open the Mail List, ...

■ use the NAVIGATION ROCKER [Up / Down arrow] to select an entry, ...

■ allow the entry to be displayed in full ... and read.

Display of longer messages when calling up the message via the system service of the Integral 55.
(Message from the system message list of the Integral 55 Mobility Server)

If the message consists of more than 16 characters it is not displayed in totality when called up by means of the system service of the Mobility Server. It then appears in abbreviated form in the 1st text line. You can still have a message displayed in totality with a maximum length of 32 characters.

| # |

The [Hash] key must be given a long keystroke. The rest of the message appears in the 2nd text line instead of the date.

If the received message is longer than 32 characters, the message is cut off after the 31st character. The 32nd character is a stop, to indicate that part of the message has been cut off.

Handset message lists

The most recent messages to have arrived are saved in the «Msg.Input» message list of the handset. We recommend accessing the menu on the handset message list in the general mode (idle display) of the handset.

| # | ◁ 📨

Call up Menu > Message Lists > Incoming Message, then ...

[Up / Down arrow]
Browse through the available messages and select an entry with the upper or lower arrow of the NAVIGATION ROCKER.

[OPTIONS]
Press the RIGHT SOFT KEY [Options], mark the «Show» entry and confirm with [OK]. The message appears in the display.

To delete a message permanently

To delete a message from the message list of the handset

Call up Menu > Message Lists > Incoming Message, then ...

[Up / Down arrow]
Browse through the available messages and select an entry with the upper or lower arrow of the NAVIGATION ROCKER.

[OPTIONS]
Press the RIGHT SOFT KEY [Options], highlight the «Delete» or «Delete All» entry and confirm with [OK] and respond to the confirmation prompt with [Yes]. The message appears is deleted.

Deleting a message from the system message list of the Integral 55 Mobility Server

Call up the system service of the system either by using the NAVIGATION ROCKER [Up arrow] or by a **long** keystroke on key [0] key, then ...

■ use the NAVIGATION ROCKER [Up / Down arrow] to call up the «Mail List», ...

■ use the NAVIGATION ROCKER [[OK] to open the Mail List, ...

■ use the NAVIGATION ROCKER [Up / Down arrow] to select an entry, ...

■ delete the entry with the [0] key.

Call lists

When your handset is operated on a DECT-over-IP, f.airnet system, page on to "Handset call lists" on page 91.

System call list of the Integral 55

The last 10 missed calls are saved in a system call list. In the general mode (idle display), the text «LIST» indicates at least one call that has not been dealt with. If all calls in the list have been noted, the text «LIST».is omitted. The last 10 calls are saved in the call list if they are not deleted manually.

Calling up / viewing / calling back deleting from the system call list of the Integral 55 Mobility Server (see also instruction on Page 83)

Call up the system service of the system either by using the NAVIGATION ROCKER [Up arrow] or by a **long** keystroke on key [0] key, then ...

■ use the NAVIGATION ROCKER [up/down arrow] to call up the «Call List», ...

■ use the NAVIGATION ROCKER [OK] (Centre) to open the Call List, ...

■ use the NAVIGATION ROCKER [Up / Down arrow] to select an entry, ...

■ if necessary, initiate a call-back with the [Pick up] key, or ...

■ delete the entry with the [0] key.

TIP

We recommend that the **system call list** of the Integral 55 be switched off and that **all entries that still exist be deleted from the system call list**. See Menu > Setup (Settings) > Phone settings > System call list. By taking this measure, the system call list remains empty in future.

Instead of using the system call list, use the **Handset call list**!

Handset call lists

The handset carries the following call lists:

- Menu > **Redial**

- Menu > **Answered calls**

- Menu > **Missed calls**

The following explanation offers an example of how to use the «Missed Calls» call list, in which the last 20 missed calls are saved.

Note: As long as this list contains missed calls that have not been dealt with, you can open the list with a keystroke on the LEFT SOFTKEY [List].

Alternatively, this list can be accessed from the menu while the handset is in general mode (idle display).

⎯ ×▯

Call up Menu > Missed calls, then ...

[up / down arrow]

Browse through the missed calls and select an entry with the up or down arrow of the NAVIGATION ROCKER.

⎯ [OPTIONS]

If the RIGHT SOFTKEY [Options] is pressed; the desired entry is highlighted according to the intended action. Confirm the selection with [OK] and proceed with one of the following actions:

- Calling ... (accepting a call)

- Deleting an entry ...

- Deleting all entries ...

- Adding an entry to the phone book ...

- Displaying an entry ...

- Editing an entry ...

Further messaging features ...

Sending a message by a defined call

Sending predefined text messages (defined text) to the subscribers or groups

Sending a predefined text with individual target input (address)

"Direct call" defined call, sending a defined text with predefined target address

Sending a defined call with predefined text message (defined text) from the local phone book

> **NOTE**
>
> The predefined texts of the Integral 55 or DoIP system are stored centrally and cannot be changed on the terminals. A list of predefined texts can be obtained from your system manager.

Predefined text with individual «Target address»

`*⌐` [Star/Shift] / `—` key [Msg. To]

Long press the [Star/**Shift**], then RIGHT SOFTKEY [Msg. To]. The input window for the «Message» message output opens.

or

Open the «Message» message output by long pressing the RIGHT SOFTKEY (Integral 55 only).

or

Call up Msg. output by Menu > ▢ [Message Lists] / ✉ [New Msg.] «Message».

then...

`1 Δ` `9 WXYZ` `7 PQRS` `4 GHI` [Numeric keys 0-9] / Input **«Target address»**

Using the numeric keys, enter the target address (number of a subscriber or group) to which the message is to be sent,
e.g. **1 9 7 4**.

`* ⌐` [Star]

Press [**Star**/Shift] briefly. The target address that has been entered appears in the display with a star icon «*» suffix, e.g. **1 9 7 4 ***.

`6 MNO` `1 Δ` `5 JKL` [Numeric keys 0-9] / Input **«Defined text number»**

Using the numeric keys, enter the number of the predefined text. **«Target address * Defined text number»**, e.g. **1974*615** appears in the display.

`* ⌐` [Star]

Press [**Star**/Shift] briefly. The target address that has been entered, a star icon and defined text number as well as a further star icon «*» for the call priority that follows it, e.g. **1 9 7 4 * 6 1 5 *** appear in the display.

`3 DEF` [Numeric keys 0-9] / Input **«Called priority»**

Using the numeric keys, specify the priority level (values 1-10) with which the message is to be sent. **«Target address * Defined text number * Call priority»**, e.g. **1974*615*3** (in the example, the text message is prioritised as "important" with Level 3).

Note: If a prohibited priority value is transmitted by the handset, the predefined priority of the defined call is used. The priority transmitted by the handset is

only taken into account if it is higher than that specified for the defined call in the database of the Nucleus system.

| — | RIGHT SOFTKEY [send] **«Send defined call text»**

To send the defined text message, press the RIGHT SOFTKEY [send]; the «Message» input window is closed and the message is sent.

Sending a "Direct call" defined call with predefined text and «predefined target address»

A defined call with defined text can be set up in the Nucleus system as a "Direct call". This defined call is sent with a predefined text message and defined call priority directly to a target address that cannot be changed.

| *⌐ | [Star/Shift] / | — | key [Msg. To]

Use a **long** keystroke on the [Star/**Shift**] key to open the «Message» input window, then press the RIGHT SOFTKEY [Msg. To] or open the entry by means of the menu, as described on Page 94.

| 6 MNO | | 1 ᐃ | | 5 JKL | [Numeric keys 0-9] / Input **«Defined text number»**

Using the numeric keys, enter the number of the predefined text. **«Defined text number»**, e.g. **615** appears in the display.

| — | RIGHT SOFTKEY [send] **«Send defined call text directly»**

To send the defined text message, press the RIGHT SOFTKEY [send]; the «Message» input window is closed. The message is sent to the specified target address.

Sending a defined call from the local phone book

The D5/FC5 offers the option of sending a text message, which is predefined in the Nucleus system, from the local phone book (on the device) by means of a defined call with input of an individual target or by means of a direct call with a defined target address.

Entering and sending a defined call (individual target input) or direct call (defined target address) in the local phone book:

■ Device phone book: Press the [▯▮] [Phone book] key and select <New entry>.

■ Name: A suitable name for the defined call or direct call can be entered here.

■ Number: A defined call or a direct call can be entered in each of the Number 1 and 2 input fields.

   #### Entering a defined call in the phone book:

   - Give the [✳⌐] [Star/**Shift**] key a **long** keystroke, enter the number (ID) of the recipient.

   - Give the [✳⌐] [**Star**/Shift] key a short keystroke, enter the number of the desired defined text.

   - If necessary, the predefined priority of the defined call can be increased by pressing the [✳⌐] [**Star**/Shift] key briefly and entering the priority.
   Note: A defined call is always transmitted with the predefined or higher priority; lower or prohibited priority values are ignored by the system.

   Examples of a defined call with call priority:
   => ⌐**1974*615*4 (No. ID/Defined Text No./Priority No.)**

   - Press [—] RIGHT SOFTKEY [Options], **«Save»** and confirm with OK.

Entering a "direct call" defined call in the phone book:

- Give the ∗ᴦ [Star/**Shift**] key a **long** keystroke until the ⌐ **step icon** is displayed.

- Give the ∗ᴦ [**Star**/Shift] key a **short** keystroke and enter the number of the desired defined text (direct call).

Note: In the case of a "direct call" the priority of the defined call as predefined on the system is always used and cannot be changed.

Example of a defined call (fixed call):
=> ⌐***615 (Defined Text No.)**

- Press — RIGHT SOFTKEY [Options], **«Save»** and confirm with OK.

Sending a direct call from the local phone book (device):

- Press the ⌒ [PICK UP RECEIVER] key to send the defined call or direct call.

   or

- Press — RIGHT SOFTKEY [Options], **«Call»** and confirm with OK.

NOTE

Defined calls can be individually configured on the Funktel Personal Security System and may trigger multiple functions. For example, a defined call may be used to reset an alarm that has been triggered on a personal emergency signal device (PESD. An alarm can be processed by means of a D5/FC5 handset within the radio network and irrespective of the location.

FC5 "S" security handset for personal security

The Funktel FC5 S personal emergency signal device (PESD) is used to safe-guard persons who work alone or in hazardous areas and situations. In comparison with the standard version (FC5), the FC5 S is equipped with additional programmable sensors for manual "will-dependent" and automatic "will-independent" alarms as well as functions for area- and room-specific localisation.

"FC5 S" security handsets are fully compliant with the provisions of DGUV 112-139 and are certified in accordance with DIN VDE V 0825-1.

Safety notes for personal emergency signal devices (PESD)

■ Take note of the currently applicable Safety Note 5008780000 that is enclosed with the FC5 S PESD.

■ In the event of inadequate DECT radio signal coverage or high call volumes in a DECT network, it is possible that the personal emergency signal device may not transmit a personal alarm immediately. In this case, the personal emergency signal device repeats the transmission of the personal alarm until the personal alarm is transmitted successfully.

■ If the personal emergency signal device detects a malfunction or that there is no DECT radio connection with the personal alarm control centre, then a technical alarm is triggered on the personal emergency signal device and at the personal emergency signal control centre.
Note: The ways in which a "Personal emergency signal device" as well as "No DECT connection" are signalled on the personal emergency signal device depend on the configuration and can be activated or deactivated on the personal emergency signal device.

■ The programming of alarm functions may only be performed by the operator of the personal alarm system or by duly authorised specialists.

■ Take note of the operating instructions and the applicable accident prevention regulations. The currently valid version is binding.

■ Always use a battery that is sufficiently charged for the intended period of use.

Operating elements of the FC5 S Series
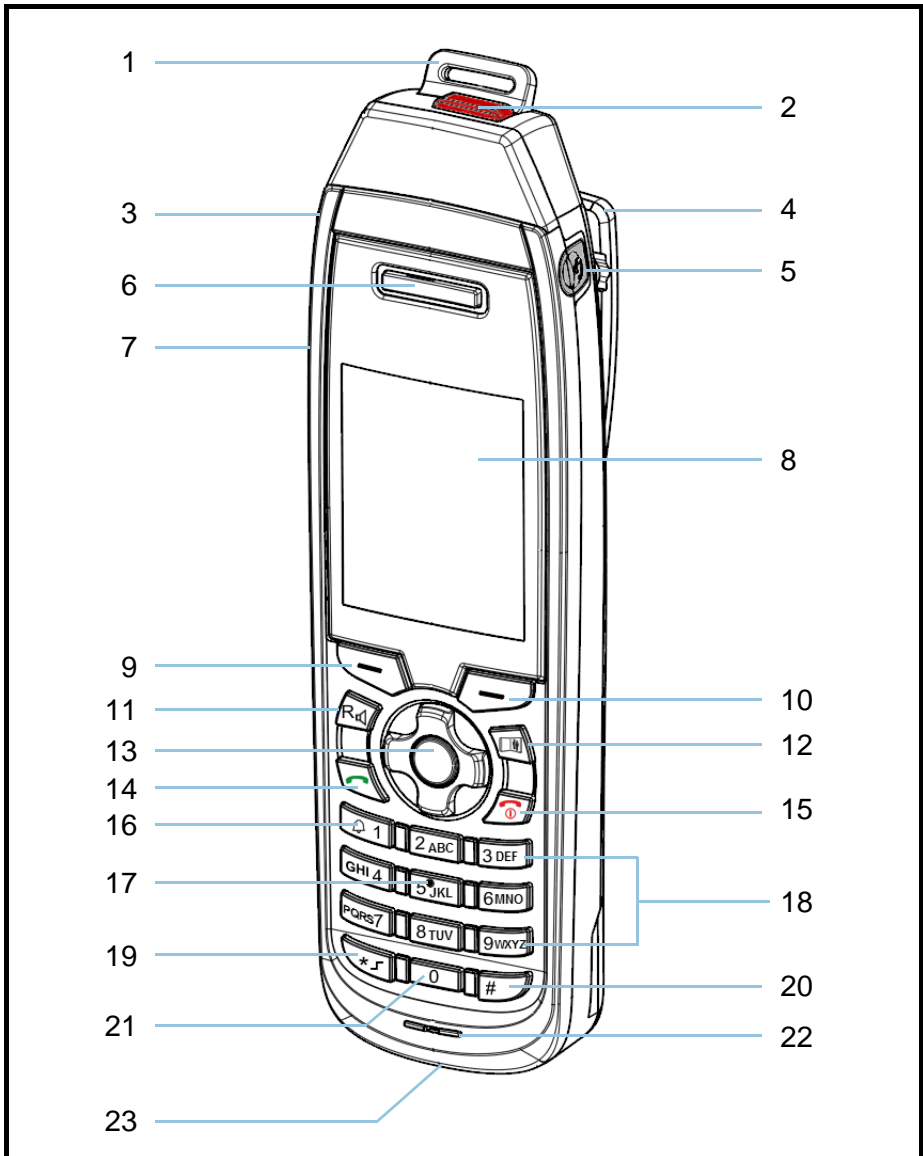
Overview of the operating and security elements of the FC5 S

No.	Designation	Explanation
1	Tear-off contact	➔ Triggers the tear-off alarm
2	Pushbutton alarm button (Pushbutton alarm 1/2)	➔ Triggers a manual personal alarm
3	Warning button (Warning 1/2)	➔ Triggers a will-dependent warning (warning alarm)
4	Clip fastener	Use the clip to fasten the handset to your clothing. Alternatively, it is also possible to wear and secure the FC5 S without a clip. Use a carry case from the range of Funktel accessories, which is specially designed for the type of device and which supports the loss alarm sensors and all other alarm functions.
5	Socket for headphone/headset	Use a system-compatible headphone/headset from the Funktel accessory range. **Note:** A Bluetooth headset can be connected by means of the "blue.tooth (bt) radio connection" function, see Page 70.
6	Receiver	Earcup, caller/other parties
7	Loudspeaker for hands-free conversations	On the rear side of the device
8	Display	Display of the telephone functions, status. telephony, alarms, messages and system settings.
9	LEFT SOFTKEY	■ Functions according to the condition (Indication in the display via the SOFT-KEY)
10	RIGHT SOFTKEY	■ Functions according to the condition (Indication in the display via the SOFT-KEY)
11	[R] key	■ 1. Function: Enquiry, toggling, blind transfer to a telephone exchange ■ 2. Function: Hands-free On / Off (long keystroke)

No.	Designation	Explanation
12	PHONE BOOK key	■ 1. Function: A short keystroke in the general mode (idle display) opens the last-used phone book ("Device" in the case of a handset and "Network" in the case of a PBX) ■ 2. Function: A long keystroke after calling up a phone book toggles between the device phone book and network phone book, insofar as these are set up and available.
13	NAVIGATION ROCKER SWITCH ■ The navigation rocker switch has 5 pressure points : 　■ "Right (⇨)" 　■ "Left (⇦)" 　■ "Up (⇧)" 　■ "Down (⇩)" 　■ "Centre (↘)"	For explanations see Page 12 to 16.
14	PICK UP RECEIVER key	For explanations see Page 12 to 16.
15	HANG UP RECEIVER key	
16	[1] key	
17	[5] "Orientation key"	Key "5" is provided with a tactile point for visually-impaired users
18	Numeric keys [2] to [9]	For explanations see Page 12 to 16.
19	STAR / SHIFT key	
20	HASH key	
21	[0] key	

No.	Designation	Explanation
22	Microphone	Microphone aperture for caller
23	Loss alarm	Sensor to monitor the handset in the carry case

Personal Emergency Signal Functions

Alarm types in the Security mode

Emergency signal functions / Alarm types

There are two automatic pushbutton alarms in the Security mode, up to two will-dependent (manual) alerts, up to four will-independent (automatic) alarm types, as well as localisation reports.

The manual alarm types and alerts can only be triggered by means of a conscious, intentional operation of the handset. The will-independent alarm types are triggered by specific situations that are experienced by the person with the Security handset. Naturally, an automatic alarm can also be triggered "intentionally" or "accidentally" by causing the alarm condition.

The installation of fixed inductive localisation beacons (ILBs) and/or blue.tooth-based beacons as components of the personal emergency signal system is a prerequisite for localisation messages to be received and displayed.

Will-dependent (manual) personal alarms - Pushbutton alarm 1/2

Will-dependent personal alarms are triggered by an appropriate keystroke on the alarm pushbutton:

Will-dependent personal alarms

Alarm type	Alarm triggering, availability in Security mode
Pushbutton alarm 1	Triggering by means of a **long** keystroke (approx. 1second) on the alarm pushbutton (see Page 101). Pushbutton alarm1 is always activated in Security mode.
Pushbutton alarm 2	Triggering by means of **three short** successive keystrokes on the alarm pushbutton (see Page 101). Pushbutton alarm 2 can be programmed (activated / deactivated) as required in Security mode.

Will-independent warning messages - Warning 1/2

Will-dependent types of warning alarms are triggered by an appropriate keystroke on the warning alarm button:

Will-dependent warning messages

Warning message (Warning alarm)	Triggering, availability in Security mode
Warning 1	Triggering by means of a **long** keystroke (approx. 1 second) on the warning alarm key (see Page 101). Warning1 can be programmed (activated / deactivated) as required in Security mode.
Warning 2	Triggering by means of **three short** successive keystrokes on the warning alarm key (see Page 101). Warning1 can be programmed (activated / deactivated) as required in Security mode.

Will-independent (automatic) alarms

All will-independent (automatic) alarms and messages are – to varying de-
grees – programmable according to your requirements. Contact your system
administrator.

The attitude and handling of the Security handset trigger the automatic posi-
tion alarm, man-down alarm, time-out alarm, tear-off and loss alarm according
to the current programming of your handset.

Automatic personal alarms

Alarm type	Condition for alarm triggering
Position alarm	Triggered by the device tilting more than 55° ± 5°
No-motion alarm	Triggered by lack of movement
Time alarm	Triggered by a failure to operate the device within a specified time (Dead man's time)

Alarm type	Condition for alarm triggering
Tear-off alarm	Triggered by pulling the tear-away lanyard (opening the tear-away contact). The tear-off contact should always be plugged, even if the sensors of the tear-off alarm are inactive (deactivated), in order to avoid the unintentional triggering of a personal pressure alarm. **See also note** "Checking the handset for operational readiness (visual inspection)" on Page 118.

Loss alarm	Triggering by removing the FC5 S device from the carry case
	
	Explanation of the loss sensors: Loss alarm with PIN prompt
	
	→ Loss alarm PIN: PIN prompt when the loss alarm is activated
	  ■ The loss alarm PIN serves as a safeguard against unauthorised use if the handset is removed from the carry case.
	  ■ The loss sensor at the bottom of the device monitors the handset in the carry case. When it is removed, the sensor contact between the device and the case is interrupted, whereby the loss alarm is triggered.
	    This requires the use of carry cases provided for this function in the range of Funktel accessories.
	→ Functional description of the loss sensor
	  ■ The loss sensor reacts when the handset is removed from the carry case and starts the delay (standby time) with a prompt for the PIN until the alarm is triggered. Enter the Loss PIN to cancel the alarm within the standby time. Input of the PIN deactivates the loss sensor until it is inserted in the cary case again.
	If the PIN is not entered or is entered incorrectly, the loss pre-alarm is triggered. The PIN input field is hidden when the pre-alarm time begins and the PIN cannot be entered during the pre-alarm. To cancel the pre-alarm and enter the PIN, press the LEFT SOFTKEY or replace the handset in the carry case to prevent the main alarm from being triggered.
	
	Note: The loss alarm PIN can only be configured in the DECT Configurator.

Will-independent system alarms

The automatic system alarms and system reports report errors and events to the personal emergency signal system.

Technical alarms are reported to the alarm control centre.

Will-independent system alarms and system messages

Alarm, report	Condition for triggering of
Technical alarm	Triggered by inadequate DECT radio contact or by the control centre not being able to monitor the device (error during a monitoring cycle).
Technical Malfunction	Triggered by handset error.
(Technical) Note	Triggered by system events that require an action on the handset.

Messages

Localisation messages

Message	Condition for reporting
Localisation	Reception by identification of the ILB or blue-tooth-based localisation beacon.

Signalling

Signalling on the Security handset

The Security handset signals each triggered alarm by means of a text that matches the type of alarm, as well as by an aural signal and / or vibration as an option.

In the case of an activated localisation function (see Guard settings), each change in a received ILB identifier or BT identifier (blue.tooth-based) is displayed.

Examples of display content

Symbol (Icon)	Display content (Alarm type)	Meaning
Personal alarm	Pushbutton alarm 1 Pushbutton alarm 2	A will-dependent personal alarm has been triggered on the Security handset . ■ Pushbutton alarm 1 ■ Pushbutton alarm 2
Personal alarm	<Pushbutton 1/2> Help is on its way	The emergency call control centre has acknowledged the manual personal alarm.
Personal alarm	<Push-button 1/2> Terminating the alarm.	The emergency call control centre has authorised a reset. The alarm condition can be ended on the Security handset.
Personal alarm	Warning 1 Warning 2	A will-dependent warning has been triggered on the Security handset . ■ Warning 1 ■ Warning 2
Personal alarm	<Warning 1/2> Help is on its way	The emergency call control centre has acknowledged the will-dependent warning.
Personal alarm	<Warning 1/2> End warning	The emergency call control centre has authorised a reset. The "Warning" alarm condition can be ended on the Security handset.

Examples of display content

Symbol (Icon)	Display content (Alarm type)	Meaning
Pre-alarm	Position alarm No-motion alarm Tear-off alarm Loss alarm Time alarm	The Security handset has identified the conditions for a will-independent personal alarm and has triggered a pre-alarm.
Personal alarm	<Alarm type(s)> Help is on its way	The emergency call control centre has acknowledged the automatic personal alarm.
Personal alarm	<Alarm type(s)> End alarm	The emergency call control centre has authorised a reset. The alarm condition can be ended on the Security handset.
Localisation	<ILB identifier> <BT identifier>	The ILB/BT identifier serves to identify the location of the personal emergency signal device. Localisation in the event of an alarm, warning and guard control. Only in the case of personal emergency signal systems that are equipped with localisation beacons (ILBs) and/or blue.tooth-based beacons.
Technical alarm	Indication of the cause, as far as can be ascertained.	The Security handset has detected a technical fault and it is possible that it may no longer be able fully to fulfil its personal emergency signal function. ■ Take care of your personal safety at your place of work. ■ Make contact with the control centre

Symbol (Icon)	Display content (Alarm type)	Meaning
Technical fault	Causes of fault: ■ Battery empty! ■ Sensor defective	The personal emergency call functions are no longer available. In the case of a discharged battery, the handset switches off briefly. ■ Take care of your personal safety at your place of work. ■ Recharge the handset battery immediately. ■ Make contact with the control centre
(Technical) Instruction	Causes: ■ 24 Hour Test	After every 24 hours of continuous operation, a fresh sensor test is required. ■ Perform this test!

Aural pre-alarm signalling

Aural pre-alarm signalling on the signalling announces the triggering of an automatic personal alarm. You can provisionally prevent the impending personal alarm during pre-alarm signalling. If the alarm conditions persist, a renewed pre-alarm follows. See "Cancelling pre-alarm signalling on the handset" on Page 121

Aural signalling of personal alarm and warning

Handset signals the transmission of the alarm or warning to the control centre. Resetting takes place either via a reset command from the control centre, via an acknowledgement with a subsequent reset command from the control centre or locally on the handset. See "Resetting a personal alarm" on Page 122.

Aural signalling of a technical alarm

This signalling signifies a severe failure.

■ Secure your place of work and notify the emergency call control centre.
   Take all necessary steps to assure your personal safety.

Aural signalling of technical faults

This signalling warns of a weak battery or indicates a sensor fault.

■ Secure your place of work and notify the emergency call control centre.
   Take all necessary steps to assure your personal safety.

■ Charge the battery immediately.

Aural signalling of (technical) instructions

This signalling indicates that a 24-hour sensor test must be performed.

■ Perform the 24-hour test.

■ Take all necessary steps to assure your personal safety.
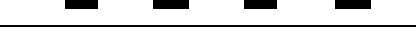
Tone sequences of signalling

Eight tone sequences, which you can select when programming the alarm types of the personal emergency signal devices, are available for the aural signalling of pre-alarms and personal alarms as well as technical alarms, faults and instructions. In addition, you can turn the aural signalling off permanently (mute) and / or activate / deactivate the vibration alarm.

The eight tone sequences are arranged in four pairs. The first tone sequence of each pair (Tone sequence 1, 3, 5 or 7) is to be used for the pre-alarm. The second tone sequence in each pair (Tone sequence 2, 4, 6 or 8) is to be used to signal the personal alarm.

The factory settings are to be maintained for the aural signalling of technical alarms, technical faults and instructions.

Signalling tone sequences

Tone sequence	Tone sequence samples
Tone sequence 1	
Tone sequence 2	
Tone sequence 3	
Tone sequence 4	
Tone sequence 5 (low tone):	
Tone sequence 6 (high tone):	
Tone sequence 7	
Tone sequence 8	

The factory settings can be found in the following list.

Factory settings of the signalling tone sequences

Alarm type	Tone sequence	Remark
Pre-alarms for the position/man-down/ tear-off/ loss alarm	Tone sequence 1	All **will-independent** alarms have a pre-alarm that you can program subsequently (e.g. activate / deactivate, signalling settings)!
Time-out alarm pre-alarm	Tone sequence 6	Will-independent (automatic) alarm
Personal alarms, position/man-down/ tear-off, time-out alarm	Tone sequence 2	Will-independent (automatic) alarm
P-Loss alarm	Tone sequence 1	Will-independent (automatic) alarm
P-Warning 1+2	Tone sequence 2	Will-dependent alarm, no pre-alarm!
Pushbutton alarm 1	Tone sequence 1	Will-dependent alarm, no pre-alarm!
Pushbutton alarm 2	Tone sequence 4	Will-dependent alarm, no pre-alarm!
Technical alarm	Tone sequence 3	

Alarm type	Tone sequence	Remark
Technical fault	Tone sequence 1	
(Technical) Instruction	Tone sequence 1	

TIP

Playback of the (alarm) tone sequence in the DECT configurator

→Playback of alarm signalling: Tone sequence 1 to 8:

This function offers the option of listening to the various tone sequences for the signalling of an alarm in order to assign them to the appropriate types of alarms according to their acoustic features in a simpler and more targeted manner.
Note: This function is only possible with the aid of the DECT Configurator and can be used to familiarise the user with the aural tone sequences of the alarm signalling of the handset. If necessary, consult your system administrator.

Login / Logout, Sensor test

This section describes the login / logout of the Security handset as a personal emergency signal device and how to perform the function test of the sensors.

There are two login processes for the Security handset:

■ Automatic login / logout when the device is removed from the charger and / or

■ Manual login / logout via menu commands on the handset.

Login can be cancelled by using the LEFT SOFTKEY [Cancel]. This soft key function available if cancellation is permitted.

Automatic Login / Logout

Automatic login of the handset ...

■ The handset is in the charger and is switched on.

■ Check the battery charge level of the handset. See Page 33. The maximum operating time can only be achieved with a fully charged battery!

Remove the handset from the charger and perform a sensor test. To do so, trigger each type of alarm that is indicated on the display.

Sensor Test
Localisation
Emergency
Warning
Position
Loss
Back

Example of requesting a sensor test: Localisation, push-button alarm, warning, position and loss alarm

If you have requested the "Localisation" reception test of an ILB/blue-tooth identifier for the Guard Control and Localisation feature, you must bring the handset near to an ILB or blue.tooth-based localisation beacon.

■ The handset has been logged in successfully if the display shows:

Display after successful login: An "**S**" indicating the activated Security mode appears in the centre of the footer

Automatic logout of the handset...

At the end of the job, log the handset out of personal emergency signal monitoring, by replacing it in the charger.

Take care that the handset makes proper contact in the charger, so that the battery can be charged. Contact and the charging process are in order, if the battery icon moves!
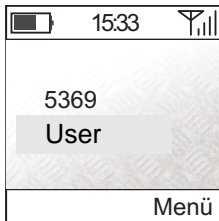
Display after successful logout: The "**S**" for Security mode disappears

Manual Login / Logout

NOTE

A "Security PIN" can be set up for manual login / logout. See also Page 42. This Security PIN is only required when logging the Security handset in and out as a personal emergency signal device if it has been changed and is no longer set to «0000» as delivered.

Logging in the handset manually ...

■ Switch on the handset.

■ Check the battery charge level of the handset. See Page 33. The maximum operating time can only be achieved with a fully charged battery!

Call up the RIGHT SOFTKEY Menu > Secury > Secury login, then...

0 ... 9 WXYZ

Using the numeric keys, enter the current PIN code for the Security mode, if it is requested.

[OK]

Apply the entered PIN by means of the RIGHT SOFTKEY [OK].

The sensor test proceeds as for automatic login/logout ...

Sensor Test
Localisation
Emergency
Warning
Position
Loss
Back

Example of requesting a sensor test: Localisation, push-button alarm, warning, position and loss alarm

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Logging out the handset manually ...

At the end of the job, log the handset out of personal emergency signal monitoring.

⬚ 🛡 🛡

Call up the RIGHT SOFTKEY Menu > Secury > Secury logout, then ...

⬚ 0 ⬚ … ⬚ 9 wxyz ⬚

Using the numeric keys, enter the current PIN code for the Security mode, if it is requested.

⬚ [OK]

Apply the entered PIN by means of the RIGHT SOFTKEY [OK].

If necessary, place the handset in its charger. Take care that the handset makes proper contact in the charger, so that the battery can be charged. Contact and the charging process are in order, if the battery icon moves!

Preparing for use / ending use

Checking the handset for operational readiness (visual inspection)

Check the handset carefully for visible external damage to the housing, antenna, operating and display elements before use. You may only use the Security handset if no damage is detected and the handset has logged in after a successful sensor test. At the time of logging in, the handset reacts to all activated alarm types and supports continuous monitoring by the alarm control centre.
Note: The tear-off contact should always be plugged in as the handset is logged into security mode, even if the sensor system of the even if the sensor system of the tear-off alarm is inactive (deactivated), to avoid triggering an unintentional personal pressure alarm.

⚠️ **ATTENTION**
Take note of the enclosed Safety note 5008780000.

Logging in the handset as a personal emergency signal device

Log in the handset as a personal emergency signal device, as described in "Automatic Login/Logout" on Page 114 and "Manual Login/Logout" on Page 116.

Docking the handset

Immediately after the visual inspection and login, you must securely attach your Security handset to your clothing by means of its clip or or with the aid of a carrying case. While affixing the device set, hold it vertically and do not move it too slowly (position or man-down alarm). If your device, despite all efforts during fastening, triggers the sounding of a pre-alarm, you can provisionally cancel the pre-alarm by means of a keystroke on the LEFT SOFTKEY or eliminate the the alarm condition by an appropriate change to the attitude and handling (see Page 105) and thus prevent an unintended personal alarm. We recommend that the device be fastened to clothing by means of a carrying

case from the range of Funktel accessories so that the triggering of the position and man-down alarms, in particular, is assured.

Use of the tear-off lanyard

In the event of the device being seized or detached from the user's clothing, the tear-off lanyard will open the tear-off contact and trigger a will-independent tear-off alarm. To do so, the loss alarm of the device must be enabled (parametrising) and the loose end of the tear-off lanyard must be securely fastened to a another location on the clothing near to the device.

⚠️ **ATTENTION**

When securing the tear-off lanyard, take care that the lanyard can neither hinder nor endanger you when working (e.g. by touching rotating shafts or machine parts).

Ending use

After use (at the end of work, end of a shift, extended absence from the dangerous [solitary] working place) remove your handset from your clothing and place it in the charger to which it belongs.

Logging out the handset as a personal emergency signal device

Log out the handset as a personal emergency signal device, as described in "Automatic Login / Logout" on Page 114 and "Manual Login / Logout" on Page 116 if it is expected that it will not be used as a personal emergency signal device for longer than 24 hours.

⚠️ **ATTENTION**

After 23.5 hours of uninterrupted logged in use as a personal emergency signal device, a sensor test - the so-called 24-hour test - must be performed. If this test is not performed properly, a technical alarm will result.

Alarm triggering and processing

Alarm process in the event of a personal alarm

The triggering of alarm types depends on the programming of the Security handset and conforms to your requirements for the personal emergency signal system. It can therefore be the case that only some of the alarm processes described below are possible on you handset.

You can have the current programming of your handset displayed, as described in the section on "Security Parameters" of the personal emergency signal functions on Page 128. In case of doubt, make an enquiry to your system administrator regarding the personal emergency signal system that you have installed.

Triggering a pushbutton alarm on the handset

Press the pushbutton alarm for as long (approx. 1sec.) as it takes for personal alarm signalling to take place on the handset. See "Signalling" on Page 108.

⚠️ **ATTENTION**

There is no delay time and no pre-alarm in the case of a pushbutton alarm. *The alarm is sent out immediately!*

Triggering will-independent (automatic) personal alarms on the handset

The attitude and handling of the Security handset trigger the position, man-down, time-out, tear-off and loss types of will-independent alarms as described in the "Will-independent alarms" Section on Page 105.

Typical display after triggering of a personal alarm.

```
┌─────────────────────┐
│ ▭       15:33   ▚ll  │
│ 🔴|Persons          │
│    alarm            │
├─────────────────────┤
│  Pressure alert 1   │
│                     │
│                     │
│        🛡  Menü     │
└─────────────────────┘
```

Typical display after a personal alarm has been triggered.

The handset has triggered a personal alarm of the type displayed, and awaits the resetting of the alarm. If multiple personal alarms are activated, the alarm types are listed one below the other.

Cancelling pre-alarm signalling on the handset

If the pre-alarm signalling sounds or if the "Pre-alarm" display with an indication of the type of alarm appears, you can pre-empt the imminent personal alarm by means of a keystroke on the LEFT SOFTKEY {Cancel}. If the alarm conditions persist, a renewed pre-alarm follows.

If pre-alarms are activated for multiple alarm types, the relevant alarm types are shown in the display collectively.

Triggering of a personal alarm can only be prevented by permanently eliminating the alarm conditions of all the pre-alarms that are displayed, as mentioned in the section on "Will-independent alarms" on Page 105.

Control centre acknowledges a personal alarm

The personnel in the control centre take note of the personal alarm and in doing so initiate an acknowledgement. The handset reacts to the acknowledgement with a "Help on its way..." display until reset authorisation has been received from the control centre to end the alarm on the handset by means of acknowledgement. Personal alarm signalling (aural, vibration) remains active until the "End alarm" authorisation has been received.

Resetting a personal alarm

Control centre resets the personal alarm

- ■ The personnel in the control centre reset the personal alarm completely.

- ■ The personal alarm signalling stops on the handset.

- ■ Your handset is in the general mode (idle display).

⚠️ **ATTENTION**

Complete resetting of a personal alarm by the control centre is not possible in the case of programming of the personal emergency signal system that conforms to the German Employers' Liability Insurance Association rules. In this regard, see the requirements and safety regulations of the Federal German Employer's Liability Insurance Association, in accordance with DGUV Rule 112-139 Use of personal emergency signal systems (previously: BGR/GUV-R 139).

The control centre issues authorisation to reset

- ■ The personnel in the control centre issue the handset authorisation to reset.

- ■ The handset reacts to the acknowledgement with the additional display "Alarm ended" until the personal alarm is reset on the handset.

- ■ The personal alarm signalling stops on the handset.

Resetting the personal alarm on the handset after reset authorisation

- ■ If the control centre provides a reset authorisation and the display shows "Alarm ended", press the LEFT SOFTKEY [End].

- ■ The handset confirms the end of the alarm and reverts to the general mode.

Performing the 24-hour test

NOTE

Performance of the 24-hour test is only required in the case of pro-
gramming of the personal emergency signal system that conforms with
the German Employers' Liability Insurance Association rules

If a Security handset is in uninterrupted use for more than 23.5 hours, you are
required to perform a fresh sensor test. The handset begins with aural signal-
ling and the display shows "24-hour test".

Starting the 24-hour test

Start the sensor test with a keystroke on the LEFT SOFTKEY [Start].

If the LEFT SOFTKEY does not offer the [Start] function, proceed as follows:

Call up RIGHT SOFTKEY Menu > Secury > Sensor test, then...

Performing the sensor test

Perform the sensor test as described in the "Login / Logout, Sensor test" sec-
tion on Page 114 or postpone the 24-hour test for a period of time by pressing
on the RIGHT SOFTKEY [Cancel].

ATTENTION

If you postpone this test more than 5 times of if you do not success-
fully complete a sensor test that has begun within 10 minutes, a tech-
nical alarm takes place. In such a case, contact the control centre to
clarify the situation. Perform the sensor test (Menü > Secury > Sensor
test)!

Other functions

Inductive and blue.tooth-based localisation reception

Inductive as well as blue.tooth-based localisation reception of the Security handset requires the use of permanently installed localisation beacons (ILBs and/or blue.tooth) on the premises of the personal emergency signal system and offers the following potential applications:

Localisation of the handset in the event of a personal alarm being triggered (Localisation in the event of an alarm)

The handset detects the respective ILB/blue.tooth identifier when passing a localisation beacon and stores it. In the case of a system with an I55 PBX, the latest - most recent - identifier is sent together with the personal alarm to the control centre. In a DoIP (DECT over IP) system, up to three additional localisation identifiers, with the oldest as the last, are sent automatically to the control centre, insofar as they are available in the memory. Based on these localisation identifications, the path can be traced that the handset followed directly prior to the alarm. This feature is designated in the DECT Configurator as a feature with "Tracking in the event of an alarm". When operating an I55 PBX, the control centre can manually request the handset to provide the second-, third- and fourth-last stored identifier if tracking is required. When operating the IP 55, the transmission of ILB/blue.tooth identifiers to the control centre is only possible without a voice connection to the handset; if necessary, the call is aborted in the event of an emergency after 1 - 3 localisation identifiers have been received (programmable). Take note of the section on "Localisation tracking in the alarm condition" below in this regard.

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Localisation tracking in the alarm condition

After a personal alarm has been triggered, the handset remains in the alarm condition until the alarm is acknowledged by the control centre, the reset authorisation has been granted and the alarm has been ended on the handset. If the handset receives changing ILB/blue.tooth identifiers in this condition, for example because the handset user is fleeing from danger after triggering the alarm, the handset likewise sends these identifiers to the control centre. In this way, the control centre can trace the escape route during the alarm condition.

Note regarding operation with an I55 PBX:
If the handset is in a call condition at the beginning of localisation tracking, the "Call drop after 1 (2 or 3) ILB/blue.tooth IDs" determines if the call is to be dropped immediately (1 = after receipt of an identifier) or only after the set number of received ILB//blue.tooth identifiers, in order to transmit these identifiers to the control centre.

Guard Control

The "Guard Control" of the Security handset recognises the ILB/blue.tooth identifier of a localisation beacon that it passes and then has the following options:

■ The handset signals the receipt of each ILB/blue.tooth identifier by means of a beep, vibration and illumination of the display ("Signalling" parameter) on the handset, as well as showing the received identifier in the display ("ILB/blue.tooth display duration" parameter) and

   ■ reports all ILB/blue.tooth identifier to the control centre ("Identifiers to be transmitted = all" parameter).

   ■ only reports identifiers less than 1000 to the control centre ("ILB/blue.tooth identifiers < 1000" parameter). This setting allows the placement and evaluation of selected localisation beacons for guard control.

   ■ reports ILB/blue.tooth identifiers together with timestamp to control centre ("Use timestamp (DoIP only)" parameter).

Note regarding Guard mode with I55 PBX:
The transmission of Guard Control identifiers to the Security control centre requires that the handset has no current call connection. A call that happens to be connected must therefore be ended before the identifier is transferred. In doing so, parameters can be set to determine whether a current call connection is to be dropped already after the first identifier has been received or only after two or three have been received and buffered. The signalling and display of the received identifiers on the handset can also be programmed.

ATTENTION

When an ILB/blue.tooth localisation is received (Guard Control, personal alarm) at least 10 seconds should have passed between the receipt of two different localisation identifiers. In the event of a more rapid change between two localisation identifiers, it is possible that not all received identifiers will be transmitted to the control centre.

Connection monitoring between handset and Security Server

The server and the handset monitor the data connection between each other. In the absence of a connection, the server triggers a technical alarm; the handset displays the text "No server".

Security Parameters

Displaying Security parameters

The parameters of the Security functions are, if so desired, determined by our Service Department with due regard to the customer's requirements prior to commissioning of the system, and are entered by means of a "configuration tool" on the MEM cards of the handset or alternatively, without a MEM card, directly on the flash memory of the devices in the case.

The choice of the parameters determines whether the personal emergency signal system fulfils the requirements of the German "Employers' Liability Insurance Association Rules for Safety and Health at Work in accordance with DGUV Rule112-139 Use of personal emergency signal devices (formerly: BGR/GUV-R 139)". Read and take note of DIN VDE 0825-1 regarding "Wireless Personal Emergency Signal Systems for dangerous solitary work".

The parameters are arranged according to categories:

- Security settings
    - Personal alarms (alarm settings)
    - General parameters
    - Technical (Security) signalling
    - Polling
- Guard setting

The user of a handset can have these settings (programming) of the handset displayed at any time.

Call up the RIGHT SOFTKEY Menu > Secury > Secury settings, then ...

Personal alarms

The settings for the pushbutton alarm, warning, position, man-down, tear-off, loss and time-out alarms are performed separately and independently of each other. They have similar sub-menus and parameter sets. Deviations and details are to be found in the table and in the instructions at the end of this section!

Parameters for pushbutton, warning, position, man-down, tear-off, loss and time-out alarms

Sub-menu	Parameter
Status	→ Active: Yes / No ■ activates / deactivates the alarm / warning → Test: Yes / No ■ activates / deactivates the sensor test of this alarm / warning
Pre-alarm signal	→ Volume: mute, soft, loud ■ affects aural signalling → Tone sequence 1 to 8 ■ selects the tone sequence of the aural signalling → Vibrator ☑ (yes) / ☐ (no) ■ activates / deactivates the signalling of the alarm / warning by the vibrator → Illumination: ☑ (yes) / ☐ (no) ■ activates / deactivates the signalling of the alarm / warning by the display illumination
(Personal) alarm signal	→ Volume: mute, soft, loud → Tone sequence 1 to 8 → Vibrator ☑ (yes) / ☐ (no) → Illumination: ☑ (yes) / ☐ (no) ■ Meaning of the parameters as for "Pre-alarm signal"

Sub-menu	Parameter
Parameter (Further)	→ Delay time (in seconds): 0 to 255 ■ !! In the case of the Tear-off alarm, the delay time can be set from 0 to 255 seconds!! ■ !! In the case of the Position or Man-down alarm, the delay time can be set from 1 to 255 seconds!! ■ !! In the case of the Loss alarm, the delay time can be set from 2 to 255 seconds!! ■ !! The delay in the event of a time alarm is specified in minutes and can be set from 1 to 255!! → Pre-alarm time [in seconds]: 1 to 255 ■ !! The delay in the event of a Tear-off alarm can be set from 0 to 255 seconds!! ■ !! The delay time of the Position or Man-down alarm can be set from 1 to 255 seconds!! ■ !! The delay time of the Loss and Time-out alarm can be set from 1 to 255 seconds!! → Active during call: Yes / No ■ The "Active during call = No" setting prevents the triggering of automatic alarms during a call.

NOTE

The delay and pre-alarm times for manual push-button alarms and warnings cannot be set and always have a "Zero" value.

The "Active during call" parameter cannot be set for will-dependent pushbutton alarms and warnings!

For a greater understanding of certain parameters, kindly read the "Background knowledge" section on Page 137.

General parameters

Composition of the general parameters

Parameter
→ Automatic login/logout: ☑ (yes) / ☐ (no)   ■ activates / deactivates the Security login when the device is removed from the charger and Security logout when the device is docked in the charger
→ Manual login/logout: ☑ (yes) / ☐ (no)   ■ activates / deactivates manual Security login and logout via Menu > Secury > Secury log in and Menu > Secury > Secury log out.
→ Signalling during call: ☑ (yes) / ☐ (no)   ■ activates / deactivates Security signalling during a call.
→ FC1S compatibility: ☑ (yes) / ☐ (no)   ■ activates / deactivates the compatibility of the FC5 S with systems with FC1 handsets. For example, to replace an FC1S with an FC5 S in a system operated with FC1 handsets.
→ Automatic reset authorisation on being placed in the charger: ☑ (yes) / ☐ (no)   ■ activates / deactivates automatic reset authorisation When the handset is inserted with a triggered personal alarm, the "End alarm" reset authorisation is enabled and displayed on the handset without further processing by the control centre. ⚠ In accordance with the general requirements for personal emergency signal systems DIN VDE V 0825-1 and the requirements and safety regulations of the German Employers' Liability Insurance Association as contained in DGUV Regulation 112-139 - "Use of personal emergency signal systems" (previously: BGR/GUV-R 139), automatic resetting of a personal alarm is not permitted.

Technical (Security) signalling

The Security signalling settings for "Technical alarms", "Technical faults" and "(Technical) instructions" are made separately and independently of each other. They have the same parameter sets:

Parameters for technical signalling

Parameter
Status settings in the case of the signalling of technical alarms:
➜ PES fault: ☑ (yes) / ☐ (no) ◾ signals a local technical alarm as soon as polling of the handset by the control centre of the personal alarm signal system control does not take place.
➜ No DECT: ☑ (yes) / ☐ (no) ◾ signals a local technical alarm in the event of inadequate DECT radio coverage (no DECT reception, dead spot)
Further signalling settings:
➜ Volume: mute, soft, loud ◾ effects the aural signalling of the technical alarm, fault, instruction
➜ Tone sequence 1 to 8 ◾ selects the tone sequence of the aural signalling
➜ Vibrator ☑ (yes) / ☐ (no) ◾ signals a technical alarm, fault, instruction by means of vibration
➜ Illumination: ☑ (yes) / ☐ (no) ◾ signals a technical alarm, fault, instruction by switching on the display illumination

Polling

The polling setting indicates the duration of the polling cycle. The polling cycle is the time interval at which the control centre of the personal alarm signal system of this handset monitors its accessibility. If the handset does not respond to a polling procedure by the control centre, the control centre of this handset triggers a technical alarm.

Note: The polling cycle is displayed in minutes under the Polling menu item, insofar as the handset is logged into Security mode. The time interval is specified by the Security system and cannot be configured on the handset.

Guard settings

$\boxed{-}$ 🛡 🧑

Call up the RIGHT SOFTKEY Menu > Secury > Guard setting, then ...

The settings for localisation in the event of personal alarms, localisation tracking in the alarm condition and guard control have the following sub-menus and parameter sets:

Parameters for the Guard settings (Localisation settings)

Sub-menu	Parameter
Basic settings	**IOS localisation** → activated with Secury: Yes / No ■ activates / deactivates Guard Control messages by FC5 S devices that are logged in to Security mode. → Test ILB Yes / No ■ activates / deactivates the "Localisation by ILB" sensor test **Blue.tooth localisation** → activated with Secury: Yes / No ■ activates / deactivates blue.tooth Guard Control reports by FC5 S devices that are logged in to Security mode. → Test blue.tooth: Yes / No ■ activates / deactivates the "Localisation by blue.tooth" sensor test **Active without Secury** ■ activates / deactivates ILB and/or blue-tooth guard control messages by FC5 S devices that are not logged in to Security mode.
Localisation tracking	→ Localisation tracking in the event of an alarm: Yes / No ■ activates / deactivates the transmission of localisation identifiers in conjunction with a personal alarm. → Call dropped in the event of an alarm after: 1 to 3 location identifiers (ILB/blue.tooth ID) ■ determines the number of localisation identifiers that must be received before an existing call connection is ended and the identifiers are transmitted to the control centre together with the alarm. **Note:** This function is only active when operating the I55-PB X.

Sub-menu	Parameter
Signalling	→ Volume: mute, soft, loud ■ affects aural signalling of an identifier having been received → Vibrator ☑ (yes) / ☐ (no) ■ signals the receipt of an identifier by means of vibration → Illumination: ☑ (yes) / ☐ (no) ■ signals the receipt of an identifier by switching on the display illumination
Guard indicator	→ Activation of the ILB/blue.tooth displays: ☑ (yes) / ☐ (no) ■ activates or deactivates display of the localisation identifier → Duration of the ILB/blue.tooth ID display (localisation identifier) in the display [in seconds]: 0 to 255 ■ 0 sec. = no display of the location identifier that has been received ■ 255 sec. = display until confirmation (CNF/confirm) of the identifier by the control centre → Display showing the localisation identifier until transmission is confirmed ■ none = no signalling, display and transmission ■ Guard Control messages to the control centre; display until confirmation (CNF/confirm) of the identifier by the control centre

| Sub-menu	Parameter

(Further) parameters	→ ILB/blue.tooth localisation identifiers: none, all, < 1000
	   ■ none = no signalling, display and transmission of guard control messages to the control centre;
	   ■ all = transmission of all received guard control reports (ILB/blue.tooth localisation identifiers) to the control centre;
	   ■ <1000 = only guard control messages with an identifier less than1000 are transmitted to the control centre
	 → Call dropped after: 1 to 3 location identifiers (ILB/blue.tooth ID)
	   ■ determines the number of localisation identifiers that must be received before an existing call connection is ended and the identifiers are transmitted to the control centre as guard control reports
	   Note: This function is only active when operating the I55-PB X.
	 → Use the time stamp (DoIP system only) ☑ (yes) / ☐ (no)
	   ■ Activates the deactivates transmission of the location identifier with "Date and time" timestamp.

Mute by means of ILB/blue.tooth	→ Mute by means of ILB/blue.tooth localisation: ☑ (yes) / ☐ (no) ■ Activates or deactivates aural signalling of the handset when receiving a localisation identifier in the range from 9900 to 9919. Aural signalling is reactivated automatically when a new localisation identifier is received.

NOTE

The "Active without Secury" Guard setting must be activated if the "Guard control" is to be used. "Guard settings with Secury" must be activated, if "Localisation in the event of an alarm" is to be used.

Background knowledge

Timings and terms in the event of an alarm

Timings in respect of alarms
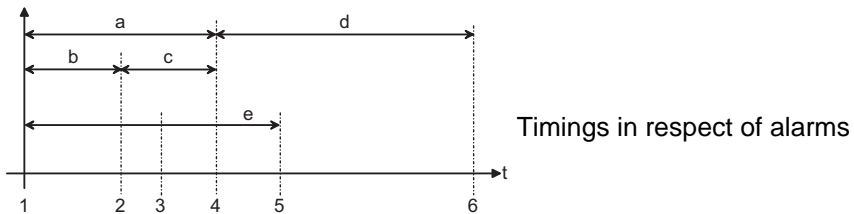
a   The personal alarm time begins with the alarm condition (1) and ends with the triggering of a personal alarm (4), if the alarm condition has not already been eliminated or the pre-alarm has been acknowledged (3). The personal alarm time is the total of the delay time (b) and the pre-alarm time (c).

b   The delay time / waiting time (not applicable to push-button alarm or warning!) can be programmed individually for all alarm types. It begins with the recognition of an alarm condition (1) and ends with the beginning of the local pre-alarm signalling (2), if the alarm condition has not fallen away already.

b   The pre-alarm time (not applicable to push-button alarm or warning!) can be programmed individually for all types of automatic alarms. During the pre-alarm time, the handset announces the impending alarm. The carrier of the handset can abort the personal alarm if he/she removes the alarm condition within the pre-alarm time or acknowledges the pre-alarm (3).

d   The alarm time begins with the transmission of the personal alarm (4) to the control centre and ends with the alarm being reset (6) on the handset or by a reset command from the control centre.

e   According to the DINV VDE V 0825-1 preliminary standard, the reaction time is the time that elapses between the alarm condition (1) and the alarm reaching the control centre (5).

1   The handset identifies an automatic alarm condition. As from this point in time, the reaction time is calculated in accordance with DIN VDE V 0825-1.

2   The alarm condition recognised at the point in time (1) still exists, the handset begins local pre-alarm signalling.

3   The carrier of the handset reacts to the pre-alarm by eliminating the alarm condition or by acknowledging the pre-alarm. The pre-alarm signalling is then muted and triggering of the personal alarm after the elapse of the personal alarm time (4) is averted for the time being. The only point in time (3) at which a pre-alarm can be acknowledged is during the pre-alarm time (c).

4   The handset sends a personal alarm to the control centre, because neither has the alarm condition fallen away, nor has a pre-alarm acknowledgement taken place during the personal alarm time (a). In addition, the handset commences with local personal alarm signalling (d), until the personal alarm has been reset.

5   The reaction time ends with the arrival and signalling of the alarm at the control centre according to the DIN VDE V 0825-1 preliminary standard. The personnel in the control centre can commence implementing relief measures.

6   For the alarm to be ended by the handset, the alarm must be reset either by the control centre or by an operation on the handset that sent the alarm.

NOTE

The delay time and the pre-alarm time are omitted for both the manual push-button alarm and the manual warning! Each will-dependent pushbutton alarm leads directly to a personal alarm after a long keystroke on the emergency call button!

Care, maintenance, environment

Care

Use a soft, dry cloth to clean the device. Do not use any solvents.

Maintenance

A lithium-ion battery has a limited working life. When the operating time of a device with a fully-charged battery has become obviously reduced, the battery must be exchanged.

There are no parts inside the handset, the charger and the plug-in charger that can be serviced by the user. Only authorised personnel may open the devices and carry out any interventions in the devices.

Environmental conditions

Your handset has a robust casing. This notwithstanding, your device must be protected against damp, extreme heat (e. g. sunshine behind glass) and dirt.

Take note of the different levels of protection of the D 5 and FC 5 handset types Consult Safety Instruction 5008780000 in this regard.

ATTENTION

Safeguard your handset from contamination that can only be removed from the housing with great effort.
For example, fine iron filings, which are held onto the housing by the loudspeaker magnets or paste-like substances (e. g. grease, creams) that can collect in the loudspeaker and microphone openings.

Annex

Menu structure when operating an Integral 55

NOTE

Only those menu items and settings that are supported by the tele-
phone system to which the handset is logged can be selected.

The numerals [(1), ... (2) ...] in the following depiction of the menu
structure serve only for reference purposes in the text. The actual se-
quence of the menu icons or the entries in the sub-menus can differ
from the sequence of the numbering.

General mode (idle display)

From the general mode (idle display) you go to
the main menu via the [Menu] SOFTKEY .

Main menu

Using the NAVIGATION ROCKER [up arrow, down arrow, right, left] and
the [OK] key, proceed to (1) to (9).

Main menu icons

(1)   Call diversion

Using the NAVIGATION ROCKER [up arrow] or [down arrow] select one of
functions (11) to (15). Call up the function with [OK]

(2)   Redial

Using the NAVIGATION ROCKER [up arrow] or [down arrow] select a name
entry. Using [Options] and the NAVIGATION ROCKER [up arrow] or [down ar-
row], select one of functions (21) to (26). Change to the desired function
by using [OK].

(3)   Extras

Using the arrow keys of the NAVIGATION ROCKER select one of functions (31) to (33), (35). Call up the function with [OK]

(4)   Alarm clock

Configuring the alarm clock function, see (35)

(5)   Missed calls

Using the NAVIGATION ROCKER [up arrow] or [down arrow] select a name entry. Using [Options] and the NAVIGATION ROCKER [up arrow] or [down arrow], select one of functions (21) to (26). Change to the desired function by using [OK].

(6)   Message lists

Use the NAVIGATION ROCKER [up arrow, down arrow, right, left] and the [OK] key to proceed to (62).

(7)   Phone book

To create a new phone book entry. Subscriber name with up to 2 numbers and up to 3 information entries.

Use the first letter of a name or use the NAVIGATION ROCKER [up arrow] or [down arrow] to select a name entry. Proceed with [OK]. Using [Options] and the NAVIGATION ROCKER [up arrow] or [down arrow], select one of functions (21), (22), (23), (26) or (27). Switch to the desired function by using [OK].

(8)   Answered calls

Using the NAVIGATION ROCKER [up arrow] or [down arrow], select a name entry. Using [Options] and the NAVIGATION ROCKER [up arrow] or [down arrow], select one of functions (21) to (26). Change to the desired function by using [OK].

(9)   Settings

Proceed with the [OK] key to (91), (92), (95)

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Entries in the Call Diversion menu

(11)   Set up Call Diversion (I55)

   (In the case of call diversion to an external subscriber, complete the number of the external subscriber with the [#] key)

(12)   Erase Call Diversion

(13)   Enable Follow Me (preparing Follow Me on your device)

(14)   Set up Follow Me (enter the number of the device, from which incoming calls will be diverted to your device.)

(15)   Activate / deactivate Follow Me

Using the telephone lists
«Redial», «Missed Calls», «Received Calls»

(21)   Call

   Establishing the connection with [OK].

(22)   Delete

   Deleting the selected entry.

(23)   Delete all

   Delete entire phone book

(24)   To phone book

   Skips to «New Entry» in the phone book and prepares for the transfer of the selected subscriber to the phone book. The key sequence [OK], [Insert] transfers the number of the subscriber. Add the name (max. 24 characters) and further data pertaining to the subscriber manually (e.g. Number 2, Info 1 to Info 3 with a max. 20 characters each).

(25)   Show (to display the number, date and time of the highlighted call)

(26)   Edit

   For example: Changing the displayed number, then picking up and calling with the changed number.

(27) Memory status

Display showing the number of entries in the phone book and the free memory as a percentage of the memory capacity.

Entries in the Extras menu

(31) Calendar

To access the deadline management via the calendar, to proceed see (32)

(32) Deadline

Direct access to deadline management

Date-controlled switching on / off of the device
Date-controlled initiation of message / call

(33) Notepad

Capture and storage of up to 10 text entries

(35) Alarm clock

Configuring the alarm clock function

Entries in the Message Lists menu

(62) Incoming Message

Proceed with the [OK] key to (101) or (102)

Entries in the Settings menu

(91) Security

Using the NAVIGATION ROCKER [up arrow] or [down arrow], select one of the sub-items (111) to (114). Change to the desired sub-item by using [OK].

(92) System settings

Using the NAVIGATION ROCKER [up arrow] or [down arrow], select one of the sub-items (121) to (128). Change to the desired sub-item by using [OK].

(95)   Device settings

Using the NAVIGATION ROCKER [up arrow] or [down arrow], select one of the sub-items (131) to (140). Change to the desired sub-item by using [OK].

Using the message lists

(101) Calling up a message

Using the NAVIGATION ROCKER [up arrow] or [down arrow], select a entry. Using [Options], call up the next menu level. Using the NAVIGATION ROCKER [up arrow] or [down arrow], select the [Show] function. Confirm with [OK]. Read the message, then [Back]. See also "Receiving a message" on page 86.

(102) Deleting a message

Using the NAVIGATION ROCKER [up arrow] or [down arrow], select a entry. Using [Options], call up the next menu level. Using the NAVIGATION ROCKER [up arrow] or [down arrow], select the [Delete] or [Delete all] function. Prepare to delete the message with [OK], then confirm the process with [Yes]. See also "To delete a message permanently" on page 89.

List of security settings

(111) PIN (standard PIN)
   – Old PIN
   – New PIN
   – Repetition of the new PIN

(112) Secury PIN
   – Old PIN

- New PIN
- Repetition of the new PIN

(113) Key lock
- Automatic block (after 1 to 3 minutes without the handset being operated)

(114) Handset lock (Access protected by the (default) PIN)
- Lock immediately
- Lock when placed in the charger

List of system settings

(121) Log in
- System 1
- System 2
- System ...
- ...

(122) Selection process
- automatic
- exclusive

(123) Select system
- to select a logged-in system

(124) Edit system name
- to select a system

(125) Change the handset name (HS Name)
- to edit / change current handset name
  (only when operating in GAP systems)

(126) Telephone IDs
- Display showing the IPEI number (International Portable Equipment Identity)

— Display showing the IPUI number (Temporary Portable User Identity)

(127) Software version

— Display showing the software version (Software)

(128) Hardware version

— Display showing the hardware version (Hardware)

List of phone settings (device settings)

(131) Audio settings

— Ring tone melody
— Ring tone volume
(Selection of Level 1 to Level 8 or rising ring tone)
— Earpiece volume
— Signalling
— Headset
(Aural call signalling when a headset is connected: Headset only or headset and loudspeaker can be selected)
— Tones
— Ambient noise
(Adaptation of the microphone sensitivity to the environment)

(132) Display

— Illumination
— Illumination duration
— Brightness
— Background colour
— Colour menu
— Handset name colour
— Message font (Integral 55)
— Background image (wallpaper) (DoIP)

(133) Device behaviour
- – Silent charging
- – Behaviour in charger
- – Automatic pick-up
- -- Busy on Busy
- -- DTMF generation
- – One-touch dialling (only when operating on an Integral 5)

(134) Language
- – Display language
- – Text input

(135) Date / Time
- – Time
- – Date
- – Date format

(136) Emergency number (Access protected by the Secury PIN)
- – I55 (Mobility Server type)
- – ... (further telephone systems...)

(137) Call Charges (I55)
- – Call charge receiver
- – Active call (Call in progress)
- – Show call charges
- – Delete call charges

(138) Activate the system call list (I55)

(139) Activate Call waiting (with signalling settings, I55)

(140) Double Call (I55)
- – Setting up a double call
- – Activate / deactivate Double Call

Warranty / Customer service

Warranty

We guarantee flawless function of this unit within the framework of our current terms of sale and delivery.

This warranty does not cover faults, in particular including reception quality and availability of the DECT ™ radio network, as far as they occur as a result of influences from other radio services – operating on either on the same or adjacent frequencies – or other events and circumstances outside of our responsibility.

Service department

You have purchased a high-quality product. If you have any questions about the unit or its functions that you cannot answer using the present manual, please first contact your dealer or our service hotline given in the imprint.

If the unit is defective, please return it to our Service Department in a suitable packing (original packing if possible), along with a fault description that should be as detailed as possible.

The addresses are as follows:

For goods consignments:

funktel GmbH
Service Department
Windmühlenbergstraße 20-22
38259 Salzgitter

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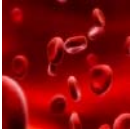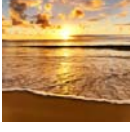
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