FUNKTEL • Private Communications An Enterprise of Funkwerk AG

# Business Handset FC1 connected to Mobility Server I 33 / CS I55



Operating instructions

Order no. 50 1010 7402



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# Getting to know your handset

# Important information

#### Where you can use your handset

The FC1 handset is suitable for use in the office, outdoors or in a dusty environment. It complies with protection class IP54 and is splashproof and dust-proof.

### Protecting against interference

Other electronic units are usually protected from high-frequency irradiation. However, a device of this kind which is insufficiently protected may lead to malfunctions.



ATTENTION

Never unscrew the handset housing! The housing could be damaged as a result. It does not contain any components that you can repair.

#### Where to install

Put your charger on a non-slip surface, especially if furniture is new or has been treated with care materials. Varnishes or care materials may contain substances that can soften the feet of the charger, and the softened feet may leave undesirable marks on the surface of the furniture. The FUNKTEL GmbH is not liable for damage of this kind.

# Product package

Please check the contents of your FC1 product package immediately:

- FC1 business handset with startup instructions
- Changeable battery pack
- MEM-Card
- Charger
- Plug-in power supply
- These Short operating instructions
- CD-ROM with detailed operating instructions

## Putting the battery into operation

First, charge the battery to full capacity. Then, during the first week of operation, always return the handset to the charger cradle. New battery cells will in general reach full capacity only after several days of normal use. See also the information on page 19 about using the battery.

Only use batteries in an appropriate manner. The FUNKTEL GmbH is not liable for damage which occurs due to inappropriate handling of the battery.

### When the batteries are exhausted – Consumer information

Do not throw exhausted batteries into the dustbin! Take them to a municipal collection centre or to your dealer where they can be disposed of in an environmentally responsible fashion.

Please dispose of discharged batteries only.

### Authorisation and conformity

The FUNKTEL GmbH declares that the product FC1 complies with the basic requirements and other relevant provisions of guideline 1999/5/EU (R&TTE).

This device is suitable for connection to radio interfaces (DECT<sup>™</sup>) from FUNK-TEL telecommunications systems and defines and fulfils the basic requirements according EU guideline 1999/5/EG (Radio and Telecommunication Terminal Equipment, R&TTE).

Due to its design this device is not suitable for direct operation on interfaces to public telecommunications networks. In the unlikely event of any problems occurring during operation, please contact your dealer or the FUNKTEL service.

The declaration of conformity can be ordered using the following Internet address: www.funktel.com.

This device operates in accordance with the DECT<sup>™</sup> system with a frequency range of 1880 to 1900 MHz. The allocation of this frequency range in the frequency utilisation plan is initially valid until 2008 and will be extended in accordance with European harmonisation.

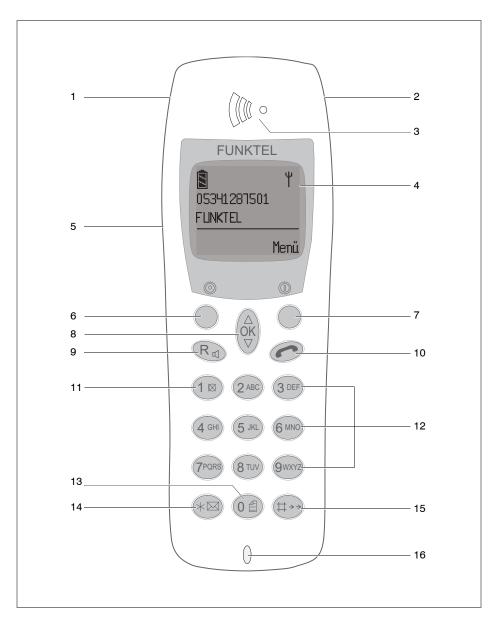
NOTE

DECT<sup>™</sup> is a registered trademark of ETSI.

#### **Retricted use of some functions**

These instructions describe all handset functions which you can use with the latest system software. Some functions cannot be performed with older software. Please contact the FUNKTEL service for more detailed information.

# **Overview**



Legend

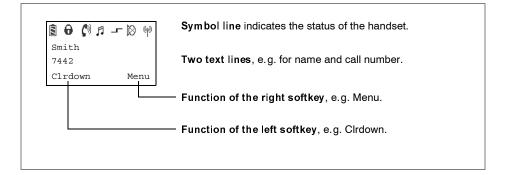
No.	Name	Meaning
1	Emergency call key	Keep key depressed until a deep confir- mation tone sounds!
2	Headset socket	
3	Handset	
4	Display	indicates call numbers and settings
5	Handsfree loudspeaker	on rear of casing
6	LEFT SOFTKEY	Functions depend on status (shown in display) and for switching OFF
7	RIGHT SOFTKEY	Functions depend on status (shown in display) and for switching ON
8	SELECTOR key	1st function: confirm settings (press upon the centre of the key) 2nd function: arrow-up-down key to scroll in the menu or in the lists (press upon the upper or lower end of the key)
9	R key	1st function: Signal button for functions in a telephone system 2nd function: handsfree operation
10	HANDSET HOOK ON/OFF key	corresponds to lifting and replacing the handset
11	1 key	1st function: digit and letters 2nd function: mute
12	Digit keys	for digits and letters
13	0 key	1st function: digit and letters 2nd function: telephone book, call list, message list
14	STAR key	1st function: 'star' 2nd function: switch over softkeys 3rd function: 'shift' (capitals, lower case letters)
15	HASH key	1st function: 'hash' 2nd function: redialling
16	Microphone	

# Display

Text and symbols in the display facilitate operation of the handset. They guide you through the menus and provide information on the status of your handset.

The functions of the right and left softkeys change according to the current status. The functions are shown in the display directly above the softkeys.

## The lines in the display



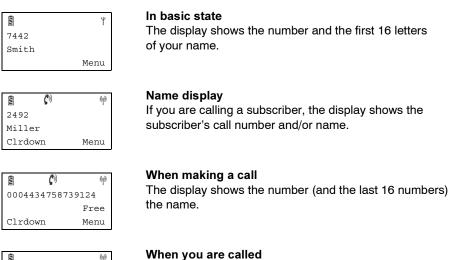
#### Meaning of symbols

Symbol	Name	Meaning
	Battery full	
	Battery nearly full	
	Battery nearly empty	
	Battery empty	
	Battery symbol flashing	Capacity for less than five minutes When you first load a new battery, the handset does not "know" its charging status. So no battery signal is shown. The display first appears when it has been loaded once into the handset, as described on page 19.

# Meaning of symbols (cont.)

Symbol	Name	Meaning
K	Mute	The microphone is off. Your call partner cannot hear you.
Å	No call signal	The call signal has been set to mute.
θ	Lock	The handset is locked.
<b>L</b>	Handset	The handset has a telephone connection.
Į.	Multifrequency code	Each push of the button is transferred to the connection subscriber (MFC post-dialling) as an (audible) DTMF tone.
	Headset	You are making a call using the headset. The housing microphone and loudspeaker are automatically switched off.
	Special functions activated	STAR button is pressed for a long period. Pressing a key for a long period: Keep key depressed until a deep confirmation tone sounds.
	Loudspeaker	The loudspeaker for handsfree operation on the rear side of the housing is switched on.
<u>.</u>	Within range of system	Your handset is within range of a base station. You may make a call.
ψŋ	Connection to system	Your handset has a radio connection.

The display on your handset can show two text lines comprising up to 16 characters on each line. The layout of the display contents depends on the status of your handset.



	(4)
7442	
Smith	
Clrdown	Menu

The display shows the number (and the last 16 numbers) and, if available, the name.

	φ
2942	
Miller	->6382
Clrdown	Menu

#### If a call has been diverted to you

The display shows the number and the call diversion.

The display shows the current connection status. The following abbreviations are used:

Bus.	Busy
End	End of connection
Free	The called number is free
FM	Follow-me is switched on
Conf.	Conference

FC1	Getting to know your handset
LIST	Unread entry in the call list
Mail	No text message
MAIL	Unread text message waiting
MW	Not yet heard message waiting on a voice mail
NR	The called number cannot be reached
CCBS	Call back entered
Conn.	Connection
Dial	Dialing procedure

# **Putting into operation**

### If your handset is not yet mounted

If the handset is not completely assembled when you receive it, you must:

- Insert the Mem-Card (see page 15),
- Install the battery (see page 16) and
- Remove the protective film from the display, if necessary.
- Vour service team must register the handset with your telephone system.

Your handset is then ready for operation.

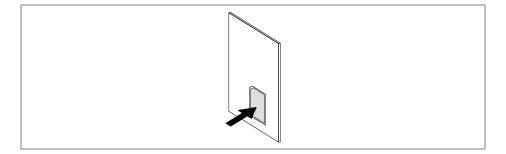
Now connect the charger (see page 17).

### If your handset is already completely mounted

If the handset is already completely assembled and registered with your telephone system when you receive it, you need only connect the charger (see page 17).

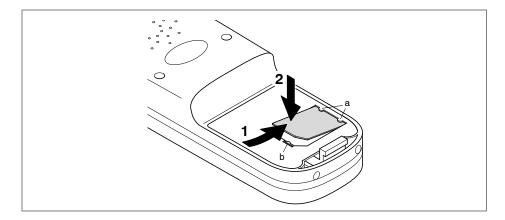
### **MEM-Card**

You can only use your handset to make and receive telephone calls if a MEM-Card has been inserted. It saves important data for your handset, such as personal settings and your personal telephone book. If you switch handsets, you can use the MEM-Card to make and receive telephone calls immediately.



#### **Inserting the MEM-Card**

- First use a finger to press the small MEM-Card out of the larger frame (see preceding illustration).
- With the short edge at an angle under the holding crescents a, push the MEM-Card into the MEM-Card compartment (1). The golden contact surface of the MEM-Card must face downwards!!
- Press the MEM-Card downwards until the small tag b locks (2).



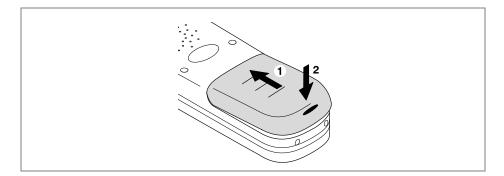
#### Taking out the MEM-Card

You only need to remove the MEM-Card if you intend to give the handset to someone else or you need the MEM-Card for a new handset.

- Remove the battery out of the handset (see page 16).
- Press the small tag b upwards and lift the MEM-Card a bit at the same time.
- Now remove the MEM-Card.

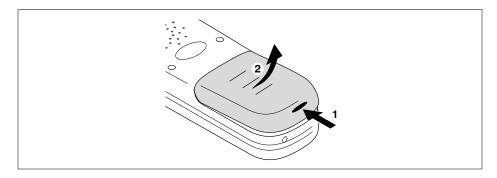
### Inserting the battery

- Push the battery into the casing (1).
- Press the battery downwards on the lever side until you hear it lock (2).



## Removing the battery

- Place the handset with the display downwards on the table.
- Depress the red lever (1) and lift up the battery at the same time (2).



### Placement of the charger

Place the charger on a stable, even surface, e.g. a table. Choose a location that is protected from direct sunlight and dampness.



### ATTENTION

The plug-in-mains units for the basic charger and for the charger plus differ from each other by the pin designation of the small low-voltage connector and by the power capability. Please, use the basic charger (named charger) with the basic plug-in-mains unit (named plug-in-mains unit) and the charger plus with the plug-in-mains unit plus only.

- Plug the plug-in mains unit into a socket.
- Insert the small connecting cord plug into the back of the charging device.

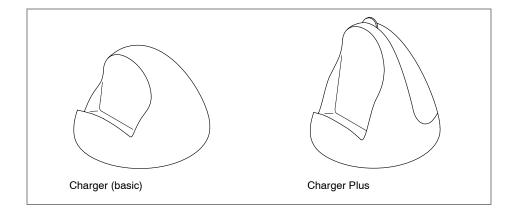
The charger is ready for operation.

#### Charging the handset

Simply place the handset into the charger. You will hear an acknowledgement tone. The display light will switch on briefly. The handset remains switched on or off.

The battery symbol in the symbol row moves until the battery is completely charged.

When the batteries are being charged, they will become slightly warm. This is perfectly normal.



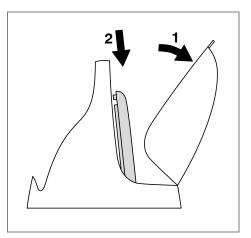
## Charging the spare battery

If you own a Charger Plus (accessory), you can also use it to charge a spare battery. You can load the spare battery at the same time as your handset.

- Flip open the Charger Plus (1).
- Place the spare battery into the intended slot the right way round (2).

The LED in the lower part of the charger changes from green to red, showing that the spare battery is correctly positioned and is charging.

The charging process ends when the spare battery is full. Then the LED shows green again.



#### Information on using the battery



#### ATTENTION

Do not through the battery into a fire as it might explode. To avoid injury and fire damage, do not allow the contacts of the battery to come into contact with conductive objects or to be shortcircuited.

When you first load a new battery, the handset does not at first "know" its charging status. Therefore the battery symbol first appears after the first complete charging for at least 14 hours in the handset! Every time you insert a battery pack into your handset, you must charge the battery to full capacity for at least 14 hours.

You can leave your handset in the charger cradle for extended periods. The battery cannot be over-charged.

It is a good idea to take the battery out of the headset when you are not going to be using the handset for a long time, e.g. when you go on holiday. The battery will have lost very little of its charge when you use it the next time.

Do not leave the battery in direct sunlight. Proper care of the battery is rewarded with a long service life.

#### Headset (combined handset/headset)

A headset is available for the handset FC1. The headset permits hands-free operation. The handset automatically recognizes whether a headset has been connected. The microphone and loudspeaker in the handset will then be **switched off**. To listen, you can switch on the loudspeaker for handsfree operation.

The handset rings when there is a call.

All other functions are unaffected. For the **handset volume**, keep the upper or lower end of the SELECTOR depressed for a **longer** time until you hear a deep confirmation tone (see page 83).

### **Connecting a headset**



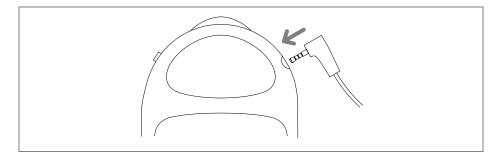
ATTENTION

Hearing damage

If this headset is operated from other devices, very loud audio signals/ signal events could lead to hearing damage (acoustic shock). There is no protection against loud noises on other devices. Only operate this headset with the FC1!

The connector socket is located on the top right hand side of the handset. Carefully pull off the protective cap from the connector socket.

Completely insert the headset plug into the connector socket until it audibly engages.





### NOTE

Read the operating instructions for information on use of the headset.

# **Basic rules of operation**

The operation of your handset includes several frequently recurring operating steps. Please familiarize yourself with these operating steps.

### Switching on the handset

The handset is switched off. Press the RIGHT SOFTKEY for a long period.

### Switching off the handset

 $(\bullet)$ 

The handset is in basic status. Press LEFT SOFTKEY for a long period.

### Left and right softkeys

The function of the softkeys changes according to the situation. The function always appears in the display above the softkey, e.g. Menu or Clrdown.

 $(\mathbf{I})$ 

The RIGHT SOFTKEY is used for switching on or for calling up the menu.

lacksquare

The LEFT SOFTKEY is used for ending a menu option or cancelling.

ullet

If you press the LEFT SOFTKEY for a **long** period when in any of the menus, the handset will be returned to its basic status.

## Selector

(or) The SELECTOR concludes the setting procedure.

# Doubly occupied keys

Some keys on your handset have two functions. The additional blue labels denote these keys. You must hold the key for **longer** if you want to trigger the second blue function. You will hear an acknowledgement tone.

## Selecting a menu

Some functions and settings of your handset can be obtained via the display conten ts (menu). The menu is set out in such a way that most of the menu options lead to submenus.

Call up the menu using the RIGHT SOFTKEY.



Press upon the upper or lower end (arrow) of the SELECTOR to scroll through the menus or through the call list or message list.

An exemple for a menu option is: System.



Press upon the centre of the SELECTOR to select the desired menu option or list item.



NOTE

In the basic status, you can also call up the menu by pressing on the lower end (arrow down) of the selector.

### Returning to another menu level

 $(\bullet)$ 

The LEFT SOFTKEY enables you to move to the next menu level up or leave the menu.

### Submenus

Submenus are operated in exactly the same way as the main menu.

## Cancel

 $(\bullet)$ 

Press the LEFT SOFTKEY for a long period in order to reach basic status.

## Entering characters for telephone directory entries

The digit keys may also be used to enter letters and characters, e.g. for names in your personal telephone directory. The letters are printed on the digit keys. Your handset will automatically switch to the input of letters and characters when this is required. The table of characters indicates which characters you may enter (see page 119).



## NOTE

To switch between upper and lower case letters press the STAR key for a **long** period until a deep confirmation tone sounds.

Example: Entering the name "JOHN":

### (5JKL)

Press the JKL button once. J appears in the display. Wait briefly.

(6MNO) (6MNO) (6MNO)

Press the MNO button three times. JO appears in the display. Wait briefly.

(4 GHI) (4 GHI)

Press the GHI button twice. JOH appears in the display. Wait briefly.

6mo 6mo Press the MNO button twice. JOHN appears in the display. Wait briefly.

# **Ending input**

 $\overbrace{\mathsf{OK}}^{\mathsf{OK}}$   $\overbrace{\mathsf{OK}}^{\mathsf{OK}}$  Press the selector twice. The characters will be accepted.

# **Correcting characters**

• Press the LEFT SOFTKEY.

# Deleting a line

Press LEFT SOFTKEY for a long period.

## **Inserting characters**



Move the cursor position to the left or right. New characters which you enter will be inserted in front of the cursor.

# The functions

# **Telephoning as usual**

You may use your handset to telephone in the usual manner. Telephoning within the telephone system (internally): dial the internal call number required.

External Calls: dial the external line code (usually zero), followed by the call number of your call partner.

### Calls, block dialling

(18) (2ABC) (7PORS) (6MNO) Dial the desired number, e.g. 1 2 7 6.

• Correct any typing mistakes if necessary.

C Lift the handset.

## **Cancelling block dialling**

• Press for an extended period.

## Making a call, conventional dialling

C Lift the handset.

(18) (2ABC) (7PORS) (6MNO) Dial the desired number, e.g. 1 2 7 6.

# Ending a call

C Replace the handset.

# Redialling

(#++) Press the HASH key for a **long** period.

C Lift the handset.

## Accepting a call

ন্) Your handset rings.

C Lift the handset.

# Switching off the ringing tone

নী Your handset rings.

Rd) Tone off. The call is still waiting. FC1

# **Rejecting a call**

ন) Your handset rings.

 $(\bullet)$ 

Press the LEFT SOFTKEY. The caller hears the busy tone.

# Additional Hints

The number of the caller appears in the display. If the call is internal, the name will also be displayed.

Diverted call: If someone dials the number 5432 and reaches you by call diversion, the following will also appear in the display: ->5432

If when telephoning you arrive at the boundary of the radio range, you will hear the range warning tone (to deactivate see page 86).

The message "Lines busy" tells you that no line is free. Try again later.

# Callback if busy

If the called internal subscriber is busy, you may activate a callback. As soon as the subscriber is free, your handset rings and you can allow yourself to be connected to the subscriber. This function must be enabled for your handset within the system. Your system administrator will inform you of the required code.

## Activating a callback

The subscriber is busy.

## \*\_ (2ABC)

Enter the code for callback, e.g. STAR, 2. You will hear an acknowledgement tone.

Replace the handset. CCBS appears in the display.



NOTE

You may store up to three callbacks.

### When the subscriber becomes free

J)

Your handset will ring when the desired subscriber becomes free.



Lift the handset. The connection is made.

## **Deactivating all callbacks**

You cannot delete individual callbacks, only all of them at the same time. If you attempt to delete a callback when no callbacks are entered, you will hear a reject tone.

OK Press Selector.

(# > > (2ABC)

Enter the code HASH 2. The following appears in the display: delete?

ОК

Confirm. You may cancel using the LEFT SOFTKEY.



# NOTE

You can store the code for callback in the local telephone directory (see page 44).

# Double Call

Double call means: If you receive a call, both your handset and a second telephone will ring. You may choose which of the **two** sets you wish to use.

Your handset can also be the target of a double call, e.g. from the telephone on your desk.

If you are telephoning on your handset, the caller may, depending on the setting in the telephone system, hear either the ringback or busy signal. Ask your system administrator for more details.

You will need codes in order to set up the double call feature. These codes can be obtained from your system administrator.

### Setting up a second telephone for a double call

Dial the code for double call target, e.g. STAR 3 3.

(7PQRS) (6MNO) (5JKL) (4 GHI)

Dial the number for the second set, e.g. 7654.

(#>>) End the input using the HASH key.

C Lift the handset. You will hear an acknowledgement tone.

Replace the handset.

### Switching on double call

The double call feature must have been enabled.

(\*) (3DEF) (4GH) Code for double call, e.g. STAR 3 4.

C Lift the handset. You will hear an acknowledgement tone.

O

Replace the handset. The following appears in the display: 3050>>7654.



NOTE

If your handset is outside the range of the system or switched off, the other telephone only will ring. The caller hears the ringback signal.

### Switching off double call

(#→) (3DEF) (4GH) Code for double call, e.g. HASH 3 4.

C Lift the handset. You will hear an acknowledgement tone.

Replace the handset.

# Refer back call and call forwarding

During a telephone conversation, you may go use refer back and speak to another call partner. Your initial call partner is left waiting. The same applies when your call partner also goes to a refer-back call. It is also possible to transfer the caller.

### Activating a refer-back call

A You are speaking on the handset.

 $(\mathbb{R}_{\square})$ 

Activate a refer-back call. Please dial appears in the display. Your call partner cannot hear you.

(7PQRS) (6MNO) (5JKL) (4 GHI)

Enter the desired number, e.g. 7654. The number 7654 appears in the display. The connection is made. Your initial call partner is left waiting.

### Switching to the other call partner

Ru Switch over using the R button.

#### Disconnecting the current call partner

• Disconnect using the LEFT SOFTKEY.

### Forwarding a caller

凤

You are speaking on the handset.

 $(\mathbb{R}_{\mathbb{I}})$ 

Activate a refer-back call. Please dial appears in the display.

(Pors) (5/KL) (4 GH) Enter the desired number, e.g. 7 6 5 4.



Replace the handset.



# NOTE

You may connect the caller without having to wait until the third subscriber answers.

# Switching between lines (call partners)

During a conversation, you may dial a second call number (internal or external) and subsequently switch between the two call partners. The waiting call partner cannot hear the other conversation. You can always see which partner you are currently connected to on the display.

### Starting a second conversation

A You are speaking on the handset.

C Activate a refer-back call.

(7PORS) (6MNO) (5JKL) (4 GHI)

Enter the desired number, e.g. 7654. The number 7654 appears in the display. Your initial call partner is left waiting.

### Switching

 $(\mathbb{R}_{\square})$ 

The R button can be used to switch from the call partner just connected to the waiting call partner, and vice versa.

### Disconnecting the current call partner

• Clrdown. You are connected to the remaining call partner.

### Ending switching between lines

# O

Replace the handset. Your own line is free again. The other two call partners are connected to each other.

# Conference

You may hold conversation with two call partners at the same time. Each subscriber can speak to the other two subscribers. To do this, the function must be enabled for your handset within the system. Your system administrator will inform you of the required code.

## Activating a conference

You are speaking on the handset.

Rd Activate a refer-back call.

(4 GHI) (5 JKL) (6 MNO) (7 PORS)

Enter the desired number, e.g. 4567. You will be connected. Your initial call partner is left waiting.

Radio Switching.

(4 GHI)

Enter the code for callback, e.g. 4. The following appears in the display: Conf. You may now speak with both subscribers at the same time.



NOTE

If the conference cannot be set up, you will hear a rejection tone.

### **Ending a conference**

 $\mathbb{R}$ 

Go to refer-back all. You are now connected alternately to the two call partners and are able to switch between them (switching between lines).

# Second Call

### Ending a call; answering a second call

# 

You are speaking on the handset. You will hear a call-waiting tone. The display shows an incoming call. A second call is waiting.

Replace the handset.

জী Your handset rings.

C Lift the handset.



NOTE

The second call can be switched off (see page 86). You will not receive a second call if you answer a call directly after dialling. Neither can you receive a second call if you already have one, if you are in conference mode, when on a reger-back call or when switching between lines.

### Interrupting a call; answering a second call

# 

OK

You are speaking on the handset. You will hear a call-waiting tone. The display shows an incoming call. A second call is waiting.

Use the SELECTOR to go to the second call. Your initial call partner is left waiting.

#### Return to the first conversation

Use the SELECTOR to change.

FC1

### Refer-back call in the second call

You are answering a second call.

Rd Activate a refer-back call. Please dial appears in the display.

(7 PORS) (6 MNO) (5 JKL) (4 GHI)

Enter the desired number, e.g. 7654. The number 7654 appears in the display. The connection is established. The second call is left waiting.

#### Switching back to the second call

Rd Switch over using the R button.

#### Disconnecting the current call partner

 $(\bullet)$ 

Disconnect using the LEFT SOFTKEY.

### Forwarding a second call

#### 

You are answering a second call.

 $\mathbb{R}$ 

Activate a refer-back call. Please dial appears in the display.

(7Pores) (5 ML) (4 GH) Enter the desired number, e.g. 7 6 5 4.



Press SELECTOR. The second caller is connected with the consultation subscriber. You are now reconnected to the first subscriber.



### NOTE

You may connect the caller without having to wait until the third subscriber answers.

FC1

## Code dialing

Within your telephone system, frequently used call numbers are stored centrally under specific code numbers. You may dial any of these numbers by simply entering the respective code number. The code for enabling code dialling in your telephone system is determined by the system administrator.

### Using code dialling

\*\_ 7PORS

Enter the code for code dialling, e.g. STAR 7. The code appears in the display: \*7.

Enter the desired number, e.g. 1 2. If the stored number is incomplete, enter the subsequent numbers now!

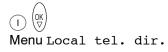
### O

Lift the handset. The call number is dialled automatically. You may cancel using the LEFT SOFTKEY.

### Local telephone directory

You can store up to 250 numbers. These numbers are not stored in the telephone system, but locally on your MEM-Card.

### Searching for an entry using the arrow keys



(OK) (OK) Menu Search

ок) Confirm.



Search for the entry, e.g. Claes.

Confirm the desired entry using the RIGHT SOFTKEY. The number appears in the display, e.g. 6087. You may change it.

C Lift the handset.

### Searching for an entry by entering the first letter

```
() (♥
Menu Local tel. dir.
```



FC1

.

Сопfirm.



Enter the first letter, e.g. C. In the display appears the first entry with C, e.g. Carl.

OK

Search for the entry, e.g. Claes.



Confirm the desired number. The number appears in the display, e.g. 6087. You may change it.

C Lift the handset.

#### Rapid search for an entry

(2ABC) (2ABC) (2ABC)

Enter the first letter (press the first key for a long period), e.g. C. In the display appears the first entry with C, e.g. Carl.



Search for the entry, e.g. Claes.

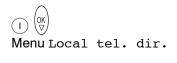


Confirm the desired number. The number appears in the display, e.g. 6087. You may change it.

Lift the handset.

Call number consisting of a number of directory entries

The telephone directory can also be used to store parts of a call number, e.g. the code for a particular network provider. You can call up the network provider from the directory followed by the number.



OK Menu Search



OK

(♥) Search for the first entry, e.g. Connection-King.

OK Confirm. The following appears in the display, e.g. 001034.

 $(1) \begin{pmatrix} 0K \\ \nabla \end{pmatrix}$ Menu Local tel. dir.

(OK) (OK) Menu Search

(ок) Confirm.

(♥) Search for the second entry, e.g. Reichert.

OK Confirm. In the display appears, e.g. 001034242260.

C Lift the handset.



### NOTE

A time in which you can call up more than one number in the local telephone directory is limited.

### **New entry**

() (♥ Menu Local tel. dir.



Menu New entry

(ок) Confirm.

(7PQRS) (6MNO) (5JKL) (4GHI)

Enter the number (up to 32 digits), e.g. 7 6 5 4.



### (2ABC) ...

Enter the name (up to 16 characters). For an explanation of how to do this, see page 23.

OK Confirm. Change entry? appears in the display.



Confirm.



NOTE

You can also store those key combinations for settings in the telephone directory which require the SELECTOR (OK) and HASH (redial) buttons (see page 115).

FC1

### Changing an entry

() (♥ Menu Local tel. dir.

Menu Edit

(oK) (○K) Confirm. Search for the entry, e.g. Claes.

(ок) Confirm.

(7 PQRS) (6 MNO) (5 JKL) (4 GHI)

Change the number, e.g. 7 6 5 4 (up to 32 digits). For an explanation of how to do this, see page 23.

(ок) Confirm.

(2ABC) ...

Change the name (up to 16 characters). For an explanation of how to do this, see page 23.

OK Confirm. The following appears in the display: entry?

(ок) Confirm.

### Deleting an individual entry

() (♥ Menu Local tel. dir.

(OK) (OK) Menu Clear entry

OK OK Confirm. Search for the entry, e.g. Claes.

(or) Confirm. The following appears in the display: delete?

ок) Confirm.

### **Deleting all entries**

() () Menu Local tel. dir.

(OK) (OK ▼ Menu Clear all

(ок) Confirm.

(Pors) (6MNO) (5JKL) (4GHI) Enter the additional PIN, e.g. 7 6 5 4 (see page 91). OK Confirm. Display: Really delete all entries?

(ок) Confirm.

### Querying the free capacity

○ ()
 ○ Menu Local tel. dir.

 $\overset{(\mathsf{OK})}{\underset{\forall}{\boxtimes}} \overset{(\mathsf{OK})}{\underset{\forall}{\boxtimes}} \\ \textbf{Menu Capacity}$ 

ОК

Confirm. In the display appears, e.g. Positions: 250 incl. free: 45

### Call list

If a call does not reach you it is stored in the call list (the last 10 numbers). You may call back directly from the list.

An entry contains number, name (where available), day and time of last call, a + for a new entry, as well as the number of attempts.

If an external call is present without specification of number, the display will show: No call number.

### Viewing the call list

LIST appears in the display if unread entries are present.

0值) Press the 0 key (**long**).



NOTE

You can also reach call list by pressing the SELECTOR upwards when in basic status.

### Viewing the call list when more than one list is active

O当 Press the 0 key (long). The display shows, e.g. Mail list.

(♥ ♥ Press the SELECTOR key downwards and scroll through to the Call list option.



Confirm with the SELECTOR.

### Scrolling down the call list

 $\begin{pmatrix} \triangle \\ \mathsf{OK} \end{pmatrix} \begin{pmatrix} \mathsf{OK} \\ \nabla \end{pmatrix}$ 

Press the SELECTOR upwards or downwards. The display shows, e.g. 7442 Smith 16.02 10:21 + 01.

#### If the number or name is too long

If the number or the name is longer than 16 characters, it appears abbreviated in the display. You may have the entire number displayed (up to 32 characters).

**#**\*\*

Press the HASH key for a long period.

#### Selecting from the call list

The display shows, e.g. 7442 Smith 16.02 10:21 + 01.

 $\bigcirc$ 

Lift the handset. As soon as you reach the subscriber the entry is automatically cleared.

#### Deleting an entry in the call list

The display shows, e.g. 7442 Smith 16.02 10:21 + 01.

 $\textcircled{\bullet}$ 

Press the STAR key (long) and the LEFT SOFTKEY.

... or ...

(●)Press the 0 key.

### Exiting the call list

• Press the LEFT SOFTKEY.

### **Message Waiting**

If voicemail is connected to your system, callers can leave messages for you as they would on an answering machine. The "message waiting" list stores the new messages on voicemail that you have not yet listened to.

An entry contains the number of the voicemail, the day and time of the last call and a + to denote a new message.

#### "Message waiting" message arrives

3

Your handset emits a special information tone.

#### Look at the "Message waiting" list

MW appears in the display if there are messages that have not yet been listened to.

이를 Press the 0 key (**long**).



#### NOTE

You can also reach the "Message waiting" list by pressing the SELECTOR upwards when in basic status.

# Viewing the "Message waiting" list when a number of other lists are active

(d)

Press the 0 key (long). The display shows, e.g. Mail list.



Press the SELECTOR key several times downwards and scroll to the option MW Consult.

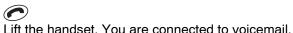
OK Confirm with the SELECTOR.

### Scrolling through the "Message waiting" list

(or) Scroll in stages: press the SELECTOR key upwards or downwards. The display shows e.g. 465 16.02 10:21 +

### Access message

The display shows, e.g. 465 16.02 10:21 +



### NOTE

Please consult the relevant passages in the operating instructions to learn how to listen to messages on voicemail.

### Delete an entry in the "Message waiting" list

Once you have listened to all messages on your voicemail, the entry in the message waiting list will be deleted automatically.



Please consult the relevant passages in the operating instructions to learn how to delete messages on voicemail.

### Leaving the "Message waiting" list

• Press the LEFT SOFTKEY.

### Call diversion

You may divert calls from your handset to another telephone. The other telephone may also comprise an external set, provided that this feature is enabled for your handset. Your system administrator will inform you of the required code.

#### Activating a call diversion

(\*\_\_\_\_\_ (4 GHI)

Enter the code for call diversion, e.g. STAR 4. The code appears in the display: \*4.



Dial the call number of the participant you want to divert, e.g. 3050. The call number will be behind the code in the display: \*43050

### $\bigcirc$

Lift the handset. You will hear an acknowledgement tone.

### O

Replace the handset. The following will appear in the display 6218 > 3050.



### NOTE

You will hear a special dial tone from your handset while the call diversion is activated.

#### Deactivating a call diversion

(# > > ) (4 GHI)

Enter the code for call transfer OFF, e.g. HASH 4. The display shows #4.



Lift the handset. You will hear an acknowledgement tone.



Replace the handset.

### Call diversion when busy

You may divert calls from your handset to another telephone, if your line is busy. Your system administrator will inform you of the required code.

#### Activate call diversion when busy

Enter the code for call diversion when busy, e.g. STAR 6. The display shows \*6.

Dial the call number of the participant you want to divert, e.g. 3 0 5 0. The call number will be behind the code in the display: \*63050

C Lift the handset. You will hear an acknowledgement tone.

Replace the handset.

#### Deactivate call diversion when busy

(#++) (6MNO)

Enter the code for call diversion when busy OFF, e.g. HASH 6. The display shows #6.

Lift the handset. You will hear an acknowledgement tone.

Replace the handset.

### Call diversion when cannot be reached

You may divert calls from to another telephone, if your handset is cannot be reached (switched off or outside of the radio range of a base station). Your system administrator can give you the code.

#### Activate call diversion when unobtainable

(\*\_\_\_\_\_ (1)) (5\_JKL)

Enter the code for call diversion when unobtainable, e.g. STAR 1 5. The display shows \*15.



Dial the call number of the participant you want to divert, e.g. 3 0 5 0. The call number will be behind the code in the display: \*153050

### O

Lift the handset. You will hear an acknowledgement tone.

Replace the handset.



#### NOTE

If your handset is unobtainable and you have not set up call diversion when unobtainable, the caller will be greeted with the announcement "The subscriber is currently unavailable".

### Deactivate call diversion when unobtainable

Enter the code for call diversion when unobtainable OFF, e.g. HASH 1 5. The display shows #15.

C Lift the handset. You will hear an acknowledgement tone.

Replace the handset.

### (Delayed) call transfer

You can divert calls to another telephone for a time. This makes sence if, for example, you are in a meeting. Your system administrator can give you the code.

#### Activate delayed call transfer

(5. الله (5. الله Enter the code for call forwarding, e.g. STAR 5. The display shows \*5.

(3<sup>DEF</sup> 0 ∉) (5<sup>JKL</sup> 0 ∉) Dial the call number of the participant you want to divert, e.g. 3 0 5 0. The call number will be behind the code in the display: \*53050

Lift the handset. You will hear an acknowledgement tone.

Replace the handset.

#### Deactivate delayed call transfer

(#→→ (5<sup>JKL</sup>) Enter the code for call transfer OFF, e.g. HASH 5. The display shows #5.

Lift the handset. You will hear an acknowledgement tone.

C Replace the handset.

### Follow me (call diversion from)

From your own headset, you can divert calls from another telephone to yourself. To do this, you have to:

Prepare this function on another telephone (see below) – your system administrator can give you the code.

and

Enter the call number of the other telephone from your handset (see page 61).

At the desired time you can then

activate the "Follow me" function with your headset (activating "Follow me", see page 62).

#### Enabling follow me - at another telephone

C Lift the handset.



Enter the code for enabling "Follow me", e.g. 1 1 5. You will hear an acknowledgement tone.

Replace the handset.

### Deactivating follow me - at another telephone

C Lift the handset.

 $(1\otimes)$   $(1\otimes)$  (6mo)Enter the code for deactivating "Follow me", e.g. 1 1 6.

Replace the handset.

### Entering the call number of the other telephone from your handset

() (♥ Menu Addit. services

()K ()K Menu Call diversion



Menu Call div. from. The current setting for "Follow me" is on the display, e.g. Free.

### 

Specify the call number from which you wish to divert calls to your handset, e.g. 2078. The number appears in the display: 2078

ок) End the input.

### Deleting the number of the other telephone on your handset

() (♥ Menu Addit. services

(oĸ) (oĸ) Menu Delete



### Activate "Follow me"

Your handset is in basic status.



Switch on: Press STAR (**long**) and then HASH. The following appears briefly in the display: Follow me active. When inactive, display shows FM.



### NOTE

The following appears in the display when performing the function: Follow me action refused. This may mean that the function is not enabled at the other telephone, that it has been switched off at the other telephone, or that no destination has been entered.

### End "Follow me" function

When inactive, display shows FM.

### 

Switch off: Press STAR (**long**) and then HASH. The following appears briefly in the display: Follow me inactive.

### **Pick-up**

You may answer the call on your handset when another telephone rings. If you are assigned to a group, this also works in an undirected way for any telephone within the group. You require a code to do this. These codes can be obtained from the system administrator.

### General pick-up

জী Another telephone rings, e.g. 3050.

Enter the code, e.g. STAR 2 3.

C Lift the handset.

A You are connected.

### **Undirected group pick-up**

জী Another telephone within your group rings.

Enter the code, e.g. STAR 2 4.

C Lift the handset.

FC1

A You are connected.

### Group pick-up

ଲି Another telephone within your group rings, e.g. 3.

(₭\_) (2ABC) (5.KL) Enter the code, e.g. STAR 2 5.

(3) Enter the number of the group member, e.g. 3.

C Lift the handset.

A You are connected.

### DTMF post-dialling (digits as tone signals)

During a connection, you can transmit digits (e.g. for remote control of an answering machine). Your system administrator can give you the code.

### **Transmitting digits**

### 

You are speaking on the handset.

(\*\_\_\_) (1) (2ABC)

Enter the code for switching to DTMF post-dialing, e.g. STAR 1 2.



Enter the first letter, e.g. 6789. Every digit will be transmitted as DTMF signals.



### NOTE

You can store the code for DTMF post-dialing in the local telephone directory.

### Automatic deactivation of DTMF postdialling

DTMF postdialling is deactivated automatically after a certain time.

O

DTMF postdialling is automatically deactivated when the handset is replaced.

### Manual deactivation of DTMF postdialling

 $(\# \rightarrow)$  (1) (2ABC) Enter the code, e.g. HASH 1 2.



### NOTE

In the event that the code for deactivating contains a hash symbol, and you wish to transmit a hash (#) as a DTMF tone signal, you should then press the HASH symbol twice: (##).

### Call charge display

You may view the charges incurred by the last call as well as the total incurred by all calls made since the charges were last cleared. You may also specify how the charges are to be shown in the display. To do this, you must switch on the "receive charges" function on the handset. The function must be enabled within the telephone system.

### Switching the "receive charges" function on or off at the handset

OK T Menu Addit. services

OK

Menu Recv. charges

When you select the menu Receive call charges, the setting "off" is always offered first.

(୦୯) (☉) Select the selection process, e.g. on.





NOTE

If the "receive charges" function has been switched on, the totalizing meter will still add up the charges even if the call charge display is switched off. If the "receive charges" function has been switched off, the totalizing meter will no longer add up the charges and remains at its current value.

### Call charge display during an ongoing conversation

You may configure your handset to display the call charges when you are speaking on the handset.



You can also set the "receive charges" function with codes instead of using the Addit. services menu (see page 115).

### Displaying the total call charges for the current call

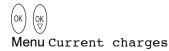
 $(I) \begin{pmatrix} OK \\ \nabla \end{pmatrix}$ Menu Addit. services

 $\overset{(\mathsf{OK})}{\boxtimes} \overset{(\mathsf{OK})}{\longrightarrow} \\ \texttt{Menu Current conversation}$ 

ок) Confirm.

### Displaying the total call charges for all calls

() (♥ Menu Addit. services



(oĸ) (oĸ) Menu All calls



### No display of charges

 $() \begin{pmatrix} \mathsf{OK} \\ \forall \end{pmatrix}$  Menu Addit. services

(OK) (OK) Menu Current charges

(OK) (OK) Menu No charges



### Displaying the call charges as units

() () Menu Addit. services



Menu Current charges





### Displaying the call charges as an amount

() () Menu Addit. services

OK OK Menu Amount



### **Checking current charges**

() () Menu Addit. services



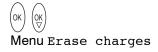
Menu Display charges.

The display indicates the call charges incurred by the last call and the total charges incurred by all calls since the meter was last cleared.

• Return to basic status by pressing the LEFT SOFTKEY.

#### Clearing the call charge meter

() () Menu Addit. services



(5)KL (6MNO) (7PORS) (8TUV) Enter the additional PIN (see page 92),e.g. 5 6 7 8. It is not in the display.





NOTE

To be able to clear the call charge meter, this function must be enabled for your handset.

# Changing call diversions by remote control

You can call up your TC system from anywhere and set up or change a call diversion for your handset or other telephones. This is possible using any telephone with DTMF post-dialing.

"Changing call diversions by remote control" must be released by service. Service will also notify you of the tie-line transmission programmable access code and the PIN code.

#### Select call subscriber whose call diversion is to be changed

(0 ∰ (6MNO) (9WXYZ) (7PQRS) (5JKL) (0 ∰ (5JKL)

Call the number of your TC system from an external telephone, e.g. 0 6 9 7 5 0 5.

(8TUV) (9WXYZ)

Enter the tie line circuit discrimination code, e.g. 8 9. You will hear a dialing tone as confirmation.

(6MNO) (0 ∉) (5JKL) (5JKL)

Enter the call number of the subscriber whose call diversion you wish to change.

(1⊗) (2<sup>ABC</sup>) (3<sup>DEF</sup>) (4<sup>GHI</sup>) Enter the PIN, e.g. 1 2 3 4.

Now set up, change or deactivate a call diversion.

#### Setting up and changing call diversions

\*\_ 6MNO (7PQRS)

Enter the code for "activate follow me", e.g. STAR 67.



Enter the external line code to which the calls should be diverted, e.g. 0 0 8 9 7 5 4 3. After a short time, an acknowledgement tone will sound as a confirmation.



# NOTE

In some cases you will only be able to set up call diversions from certain, previously defined telephones. Service will notify you of this.

#### Deactivate call diversion

(\*\_\_\_\_\_ (6MNO) (7PQRS)

Enter the code for "deactivate follow me", e.g. HASH 6 7.

# Telephoning with the system while away

You can call up your TC system from anywhere and, for example, conduct expensive foreign calls using the system. The charges are then accrued by the system. This is possible using any telephone with DTMF post-dialing.

"Telephoning via the system" must be released by service.

Service will also notify you of the tie line circuit discrimination code and of whether a PIN code is necessary.

#### (0 ∰) (6MNO) (9WXYZ) (7PQRS) (5JKL) (0 ∰) (5JKL)

Call the number of your TC system from an external telephone, e.g. 0 6 9 7 5 0 5.

#### (8TUV) (9WXYZ)

Enter the tie line circuit discrimination code, e.g. 8 9. You will hear a dialing tone as confirmation.

If necessary, enter the PIN, e.g. 1 2 3 4.



Enter the external line code of the system and the call number which you want to call using the TC system, e.g. 0 0 0 4 1 9 7 5 4 3. This number will be called right away.



#### NOTE

In some cases you will only be able to telephone via the system from certain, previously defined telephones. Service will notify you of this.

# Muting the microphone

You may switch off the microphone on your handset while telephoning. The handset remains switched on. Your call partner cannot hear you, but you can hear him.

#### Muting the microphone

A You are speaking on the handset.

18

To switch off microphone: press key 1 for a **long** period.  $\bigotimes$  appears in the display.

#### **Reactivating the microphone**

The microphone is off. D appears in the display.

#### (1⊗)

To switch on microphone: press key 1 for a **long** period. You may continue telephoning.



#### NOTE

If you end a call with the microphone muted, the microphone will be automatically reactivated when the next call is made.

# Hear conversation via speaker (Handsfree operation)

You can switch on the loudspeaker installed for handsfree operation. You can then hear your caller's over the speaker and you can speak with him or her.

You can achieve the best handsfree quiality id you place the handset with the keys facing down on the table.

#### Switching on the loudspeaker for handsfree operation

A

You are speaking on the handset.

R

To switch on microphone: Press the R key for a **long** period. (appears in the display.

#### Switching off the handsfree loudspeaker again

R

You are speaking on the handset. The conversation will played on the loudspeaker for handsfree operation. () appears in the display.

 $\mathbb{R}$ 

To switch off the loudspeaker: press the R key for a long period.



#### NOTE

The handsfree microphone is switched off automatically once you hang up the call.

#### Handsfree operation with the handset in the charger

#### 

You are speaking on the handset.

Place the handset in the charger. It will be automatically set for handsfree

operation. 👘 appears in the display.



# NOTE

Your service can arrange that the converstion is concluded when your handset is placed back in the charger.

# Setting the handset

You may make the handset settings when in basic status.

# **Ringing signal**

The setting "set acoustics" applies for the ringing tone with the Message function!

Menu Set telephone

Ок Confirm.



Make the desired ringing setting, e.g. Ringing tone. You may choose between ringing tone, vibrating, both, short ringing tone and mute.





NOTE

Your handset does not vibrate in the charger. When you have selected vibration as the calling signal, the ringing tone will sound for a short period when a call is registered. If you have selected mute as the call signal, the corresponding symbol appears in the display (see page 10).

FC1

#### **Ringing tone volume**

() (♥ Menu Set telephone

()K ()K Menu Ringing tone volume

Ок) Confirm selection.

জী Your handset will now ring at the set volume.

6mno)

(ок

Enter the desired value between 0 and 9, e.g. 6. The entered value appears in the display: Prog 5 2 6

জী Your handset rings at the desired volume. (The setting is not yet active.)

Store the volume. The setting is now active.

#### **Ringing tone melody**

() (♥ Menu Set telephone

(OK) (OK) Menu Ringing tone melody

Ок) Confirm selection.

জী Your handset rings with the set melody.

(4 GHI)

Enter the desired value between 0 and 9, e.g. 4. The entered value appears in the display: Prog 5 5 4

3

Your handset rings with the desired melody. (The setting is not yet active.)

(or) Store the melody. The setting is now active.

## Key beep

() (♥ Menu Set telephone



Menu key beep

(v∀) Select settings, e.g. sound.



#### Handset volume

() (♥ Menu Set telephone



Menu Handset volume



(3) Enter the handset volume (from 1 to 6), e.g. 3.



FC1

# Temporarily adjusting the handset volume during conversation

#### A

You can telephone in the normal fashion or with the speaker turned on for handsfree operation.



Keep the upper or lower part of the SELECTOR depressed for a **longer** period until you hear a special information tone with a low tone pitch for confirmation.



Repeat the procedure until the volume reaches an appropriate level.

The set volume remains effective for the current conversation. Thereafter, the set volume for the handset or the speaker for handsfree operation will be active again.



#### NOTE

The handset volume setting does not affect the volume for the handsfree loudspeaker.

#### Permanently setting the handset volume during conversation

#### 

You can telephone in the normal fashion or with the speaker turned on for handsfree operation.



Keep the upper or lower part of the SELECTOR depressed for a **longer** period until you hear a special information tone with a low tone pitch for confirmation.



Repeat depressing the key to increase or decrease the volume.



Confirm.

The current volume for the handset or for the loudspeaker has been permanently saved.

#### Lighting

The FC1 handset has an illuminated display.



Menu Set telephone

(OK) (OK) Menu lighting

#### FC1

# (ок) (ок

Select the type of lighting, e.g. Off. You may choose between off and automatic (lighting is switched on automatically when the handset is used).

(ок) Confirm.

#### Switching the call list on or off

() () ∀ Menu Addit. services

OK (OK ♥ Menu Call list

When you select the menu Call list, the setting "off" is always offered first.

(oK) (oK) Select the selection process, e.g. On.

(ок) Confirm.

#### Switching the "second call" on or off

() () Menu Addit. services



Menu Second call When you select the menu Second call, the setting "off" is always offered first.



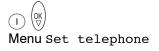
Select the selection process, e.g. On.

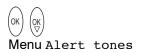


#### Switching the alert tones on or off

You can decide whether you hear alert or special information tone,

- Shortly before you leave the radio range of the base station with the handset,
- Shortly before your handset battery is empty and
- Everytime you put your handset in the charger.





OK) (0K) Select the selection process, e.g. On.

ок) Confirm.

#### Reset

With the reset, you put some of the settings back to their original, default settings:

- Secret number of the headset (0000)
- Calling signal (call signal + vibration)
- Key beep (on)
- Handset volume (3)
- Lighting (on)
- Alert tones (on).

The PIN must be entered for this purpose. When you receive your handset, the PIN is set to 0000. Refer to page 91 for more information about the PIN.

() (♥ Menu Set telephone

(oĸ) (oĸ) Menu Reset

(ок) Confirm. (2ABC) (3 DEF) (4 GHI) (5 JKL) Enter the PIN, e.g. 2 3 4 5.

OK Confirm. The following appears in the display: Really reset?

(ок) Confirm.

# **Emergency call**

When your handset is locked, the only function that can be used is the emergency call number. The following appears in the display above the right softkey: Emergency call.

**Emergency calls** using the red emergency call button at the left side of the top are always available – even if the handset is not locked.

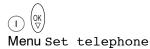
**Emergency calls** during business handset locked may be released also by pressing the RIGHT SOFTKEY twice.



# NOTE

The SOS emergency call is not available in the following cases: if an emergency call number has not been entered; during a call; while a call or a message is being received; or if the handset is not within the range of the telephone system.

#### Setting up and changing emergency call numbers



(OK) (OK) Menu Emergency No.

(ок) Confirm.

(2ABC) (3 DEF) (4 GHI) (5 JKL) Enter the PIN, e.g. 2 3 4 5. ок) Confirm.

6mo 6mo 6mo

Enter or changing emergency numbers, e.g. 6666.



#### Deleting emergency call number

In order to delete an emergency call number, you must start the change procedure as shown above. Now delete the displayed emergency call number by pressing the LEFT SOFTKEY for a **long** period and confirm by pressing the SELEC-TOR or the RIGHT SOFTKEY.

#### Making an emergency call when the handset is locked

The handset is locked. Emergency call appears in the display above the RIGHT SOFTKEY.

() Press the RIGHT SOFTKEY. The emergency call number appears in the display, e.g. 6666 ?

OK Confirm. The emergency call number is dialled.

#### Making an emergency call with the emergency call key

Press the emergency call button at the top for a **long** period. The emergency call number is dialled.

# **Personal Identification Number (PIN)**

Important settings and functions of your handset are safeguarded by means of a four-digit Personal Identification Number (PIN). You can change the PIN. The PIN also enables you to lock your handset.

Take good note of your PIN! If you forget the PIN, correction work inside the handset will be necessary. Contact the FUNKTEL service in this case.

#### **Regular PIN**

Menu Lock

ок Confirm.



Enter the old regular PIN. (When delivered, this is set to 0 0 0 0). The digits do not appear in the display.

ок Confirm.



Enter the new regular PIN, e.g. 2345. The digits do not appear in the display.



Re-enter the new regular PIN. The digits do not appear in the display.



NOTE

For security reasons, you are provided with a second PIN for resetting the call charge meter. This PIN can also be changed.

# Additional PIN for call charges and special functions

OK Press SELECTOR.

(8™) (0∉) Enter the code 8 0.

(#\*\*) Press the HASH key for a **long** period.

#### 

Enter the old additional PIN. The digits do not appear in the display. (When delivered, this is set to 0 0 0 0).

#### **#**\*\*

Press the HASH key for a long period.



(3 DEF) (4 GHI) (5 JKL) (6 MNO)

Enter the new additional PIN, e.g. 3 4 5 6. The digits do not appear in the display.

Ок Confirm.

# Locking the handset

All functions are blocked when the handset is locked. Only the emergency call feature will work (see page 89).

#### Lock



(OK) (OK) Menu Lock



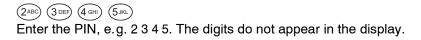
The handset is locked. In the display, you can see ightarrow .

#### Unlocking

The handset is locked. In the display, you can see ightarrow .

ullet

Press any key (except the RIGHT SOFTKEY). The following appears in the display: Enter PIN.



(ок) Confirm.

#### Keyboard lock via the menu

() (♥) Menu Set telephone

(OK) (OK ♥ Menu Keyb. lock

(ок) Confirm.

#### Keyboard lock using the keys

Lock: Press the STAR key (long), followed by R.

#### Unlocking the keyboard

The keyboard is locked.

★\_P Rd Unlock: Press the STAR key (long), followed by R.

# Language

In the software for newer systems, the digits have been preset (see page 115). If in doubt, please contact your sales representative.

You do not need to set the language of the system. This is already configured.

#### Determining the language of the local menu

OK (1)Menu Set telephone

Menu Language

ок) (ок

()K ()K Select a language, e.g. German.



# Setting the language of the telephone system

() (1⊗) (#→→) Press SELECTOR, 1, then HASH (long).

(gwxz) (2<sup>ABC</sup>) (18) Enter the number of the desired language, e.g. 9 2 1.



# Messaging

Messaging enables you to send and receive brief messages with your handset.

You may send messages to individual subscribers and to groups. The call number of a subscriber may vary from his telephone number in certain cases.

The messages are defined texts (fixed texts). The subsequent dialing any digits is permissible, as needed. The list of defined texts can be obtained from your system administrator.

Verification for the sending party of the message:

The sender receives a confirmation of the successful transmission of the message, and – after having sent a message including the demand of a manual acknowledgement – an acknowlegdement of receipt of this message by the receiving party.

The latest 10 messages are stored in a message list. You may call back the sender directly from the list.



# NOTE

The messaging functions are only available when the message server has been connected. The message server supplements your private telephone system.

# **Receiving a message**

3)

Your handset rings with a special ringing tone. In the display appears the telephone number of the sender (where given) and the message, e.g. 5371 Meeting in room 109. While the message remains visible, you have the following options.



NOTE

The ringing tone varies depending on the priority of the message.

#### Deactivate the ringing tone

Rad Press the R button.

#### Cancel the message in the display

ullet

Press the LEFT SOFTKEY. The message goes to the message list. The following appears in the idle display: mail.

#### Delete the message totally

01 Press the 0 key

... or ...

 $\bullet \square \bullet$ 

Press the STAR key (long) and the LEFT SOFTKEY.

#### **Manual confirmation**

Important messages are preceded by an exclamation mark, e.g. ! Meeting. These must be manually confirmed.

#### Manual confirmation, positive

A message with an exclamation mark is in the display, e.g. ! Meeting in room 109. You must confirm manually.

lacksquare

Press the LEFT SOFTKEY. +++OK appears in the display if the positive confirmation was sent successfully.

#### Manual confirmation, negative

A message with an exclamation mark is in the display, e.g. ! Meeting in room 109. You must confirm manually.

#### \*~ () \*~ \*~

Press the STAR key (**long**), then the RIGHT SOFTKEY, and then STAR (short) and STAR again (short). ---OK appears in the display if the negative confirmation was sent successfully.

# Message list and call list

Each entry in one of these lists contains the sender number, text, day and time and the number of calls or delivery attempts. In case of several calls or delivery attempts of the same message, the day and time data always refer to the most recent attempt.

#### Message list

The 10 most recent messages are stored in the message list (mail memory). You may call back the sender from this list if the message was sent from another handset. The word **mail** in the second display line identifies a read mail list, the word **MAIL** (in capitals) indicates at least one unread message. **Make sure you keep an eye on that list!** 

#### Call list

Unaccepted calls are stored in a call list (list includes 10 most recent calls). You may call back the calling person from this list. The word **LIST** indicates at least one message which you are not yet aware of. When all calls in the list have been looked at, the word **LIST** does not appear any more. The 10 most recent calls remain stored in the call list unless they are deleted manually.

#### Viewing the message list / call list or selecting it for evaluation

When the handset display is in basic status, it reads either MAIL LIST, MAIL, LIST, mail LIST or mail.

Press the **top** (upper arrow) of the SELECTOR key.

When only one of the two lists contains entries, this list is opened immediately. You may now scroll the entries of the opened list by **pressing the top** (up) or the bottom (down) of the SELECTOR key again. See page 101!

When both lists contain entries, the display always shows the mail list.

Now select the mail list or the call list by pressing the Selector  $\ensuremath{\mathsf{UP}}\xspace$  /  $\ensuremath{\mathsf{DOWN}}\xspace$  key again, then ...

ОК

Confirm the selected list by depressing the centre of the SELECTOR key in order to open it.

#### Scrolling in a called up list

 $\stackrel{(\triangle)}{\cap K}$  or  $\stackrel{(OK)}{\bigtriangledown}$ 

To scroll, **press the top (up) or the bottom (down)** of the SELECTOR key. The display e.g. reads: 6789 Conference 15.05.12:26.

#### If the message is longer than one line

If the message is longer than 16 characters, it is shown for the moment in abbreviated form in line 1 of the display. You may have the unit show you the message of up to 32 characters.

**#**\*\*

Press the hash button for a **long** period. The rest of the message appears in the second display line instead of the date.

When the message is longer than 32 characters, it will be cut off after character no. 31. The 32nd character is a dot which indicates that a part of the message has been cut off.

#### Clearing a message or call from the list

Call up and display the message or the call first, then ...

O ▲Press the 0 key

... or ...

#### $\bullet \square \bullet$

Press STAR button (long) followed by the LEFT SOFTKEY.

# Callback to the calling party from the call list ... or callback to the sender of a message from the message list, if the message comes from another handset within the system

Display call or message, then ...



Pick up using the HOOK ON/OFF button and wait for the called person to respond.

# Sending a message

#### Send a defined text

The defined texts are stored centrally. A list of defined texts can be obtained from your system administrator.

Press the STAR key (long) and the RIGHT SOFTKEY. The following appears in the display: Mail address.

or

#### 

Press the RIGHT SOFTKEY. for a **long** period. The following appears in the display: Mail address.

then ...

(1⊗) (2<sup>ABC</sup>) (3<sup>DEF</sup>) (4<sup>GHI</sup>) Enter the number, e.g. 1 2 3 4.

\*\_

Press the STAR button. 1234\* appears in the display.

(Pores) (8TUV) Enter the number of the text, e.g. 7 8. 1234\*78 appears in the display.

\*\_\_\_ Press the star button. The defined text appears in the display, e.g. 1234\*Meeting in Room.

#### ullet

You can use the LEFT SOFTKEY to make corrections, where necessary, and to enter the number for a different text.

#### **#**\*\*

Press the HASH key. Message sent appears briefly in the display.



# NOTE

You may store the complete sending procedure for a message in the local telephone directory, e.g. SHIFT (keep STAR depressed for a long period), HASH, 1234, STAR, 78, STAR, STAR, 109, HASH. This is useful for emergency calls, for example. The key sequence SHIFT, HASH, which has been entered in the telephone directory, starts the messaging procedure when using this entry in the telephone directory for a call.

#### Verification

- POS Meeting ... appears soon after successful transmission of the message.
- NEG Meeting ... appears in the display shortly afterwards if the subscriber confirms negatively or is not reachable.
- If the subscriber is not identifiable, or has not message reacted to a message with manual confirmation, ??? Meeting ... appears in the display shortly afterwards.

#### Sending a defined text with postdialled digits

#### ()

Press the STAR key (long) and the RIGHT SOFTKEY. The following appears in the display: Mail address.

or

#### 

Press the RIGHT SOFTKEY. for a **long** period. The following appears in the display: Mail address.

then ...

(18) (2ABC) (3 DEF) (4 GHI) Enter the number, e.g. 1 2 3 4.

\*\_

Press the STAR key. 1234\* appears in the display.

(Terres (8TUV) Enter the number of the text, e.g. 7 8. 1234\*78 appears in the display.

# \*\_

Press the star button. The defined text appears in the display, e.g. 1234\*Meeting in Room.

#### ullet

You can use the LEFT SOFTKEY to make corrections, where necessary, and to enter the number for a different text.

Image: white star button.

(1⊗) (0) (9wor2) and dial digits where required, e.g. 1 0 9. In the display appears, e.g. 1234\*Meeting in Room 109.

#### **#**\*\*

Press the HASH key. Message being sent appears briefly in the display.

#### Verification

- POS Meeting ... appears soon after successful transmission of the message.
- NEG Meeting ... appears in the display shortly afterwards if the subscriber confirms negatively or is not reachable.
- If the subscriber is not identifiable, or has not message reacted to a message with manual confirmation, ??? Meeting ... appears in the display shortly afterwards.

#### Sending a direct call

With direct calling, you are sending a defined text with a defined number to a defined receiver (subscriber or group). A list with the direct call numbers can be obtained from your system administrator.

As an example the text for the direct call is assumed to be: DIRECT CALL TEXT.

( I )

Press the STAR key (**long**) and the right softkey. The following appears in the display: Mail address.

or

#### 

Press the RIGHT SOFTKEY. for a **long** period. The following appears in the display: Mail address.

then ...

(4 GH) (3 DEF) (2ABC) (18)

Enter the direct call number, e.g. 4321.

#### (#++)

Press the HASH key. Message being sent appears briefly in the display.

#### Verification

- POS DIRECT CALL TEXT ... appears soon after successful transmission of the message.
- NEG DIRECT CALL TEXT ... appears in the display shortly afterwards if the subscriber confirms negatively or is not reachable.
- If the subscriber is not identifiable, or has not message reacted to a message with manual confirmation, ??? DIRECT CALL TEXT ... appears in the display shortly afterwards.

#### Send a defined text with the local telephone directory

```
OK

∏
(\mathbf{1})
Menu Local tel. dir.
```

(ok ▽ Menu Search

(ok ▽ Search for the entry, e.g. Claes.

(\*\_`

OK

FC1

Press the STAR key for a longer period. The following appears in the display by the right softkey Msg.to.

 $(\mathbf{1})$ 

Press the RIGHT SOFTKEY. The following appears in the display: 1234 Mail address.

(\*\_\_) Press the STAR key. The following appears in the display: 1234\*.

(7 PORS) (8 TUV) Enter the number of the text, e.g. 78. 1234\*78 appears in the display.

\*-

Press the STAR key. The defined text appears in the display, e.g. 1234\*Meeting in Room.

 $(\bullet)$ 

You can use the LEFT SOFTKEY to make corrections, where necessary, and to enter the number for a different text.

(\*\_\_\_

Press the STAR key.

Dial digits where required, e.g. 109. In the display appears, e.g. 1234\*Meeting in Room 109.

(# > >)

Press the HASH key. Message being sent appears briefly in the display.

#### Verification

- POS Meeting ... appears soon after successful transmission of the message.
- NEG Meeting ... appears in the display shortly afterwards if the subscriber confirms negatively or is not reachable.
- If the subscriber is not identifiable, or has not message reacted to a message with manual confirmation, ??? Meeting ... appears in the display shortly afterwards.

# Using the handset in more than one system

Your handset can be logged on to up to eight systems. Each system is saved as a system entry. To label each system precisely, after logging on you can change the name of each system entry.

When logging onto a system, you may either use a free system entry or overwrite a system entry that is already being used.

## **Registering a handset**

Have the 8-digit AC code ready. You can obtain this from FUNKTEL service. You have 2 minutes to make the setting. To log on, the handset must be within range of the telephone system.

 Image: Constraint of the system

 Image: Constraint of the system

Enter the PARK number, if known.

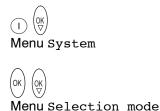
 $(\mathbf{K})$  Confirm. The following appears in the display: Enter AC

(1⊗) (2₄вс) … Enter the AC code, e.g. 1 2 3 1 2 3 1 2.



# Setting the system selection mode

The handset can automatically conduct the system change automatically when you move to another location. We recommend not changing the system selection mode without competent advice.



 $\underbrace{ \begin{pmatrix} \mathsf{OK} \\ \bigtriangledown \end{pmatrix} } \\ \textbf{Select the selection mode, e.g. automatisch.}$ 

(ок) Confirm.

You have the choice between exclusive (no automatic system change) and automatic (automatic system change).

# Selecting the system manually

If you move to another location and your handset is not set for automatic system selection, change the system manually.

() (♥ Menu System

(OK) (OK) Menu Select system

(OK) (OK) Select settings, e.g. System 4.



# Changing the system name

() () Menu System

OK (v) Menu Change name

OK () Select settings, e.g. System 4.



#### The functions

(2ABC) ...

Change the name (up to 14 characters), e.g. West Site. For an explanation of how to do this, see page 23.

(ок) Confirm.

# Querying the telephone ID

() (♥ Menu System

OK (♥ Menu Telephon ID

()( Confirm. The display shows, e.g. IPUI:0000830daa

• Press the LEFT SOFTKEY for a long period to return to basic status.

# Querying the software version

() (0K) Menu System

(OK) (OK) Menu Software Version

Confirm. The number appears in the software version.

FC1

# Appendix

# List of the message defined texts

Number	Defined text	Message type
-		
•		
-		
-		
-		
-		
-		
-		
-		
-		
-		

# Codes for your handset

Here you can enter the codes that are set up in your telephone system. These codes can be obtained from your system administrator.

Setting	Code	
Double Call	Determine destination	
	Switch on	
	Switch off	
Conference		
Activating a callback		
Code dialing		
Call diversion	Switch on	
	Switch off	
Call forwarding	Switch on	
	Switch off	
Call diversion when busy	Switch on	
	Switch off	
Call diversion when	Switch on	
cannot be reached	Switch off	
Follow me	Enable at the other telephone	
	Deactivating at the other telephone	
DTMF Post dialling	Switch on	
	Switch off	
Pick-up	General	
Group pick-up	Non-specific	
	Direct	

Here are the numbers of the languages. Your system administrator can tell you which languages correspond to codes 920, and 956 to 960.

Number	Language in the telephone system
920	
921	German
922	English
923	French
924	Italian
925	Spanish
926	Dutch
927	Hungarian
928	Czech
929	Slovenian
950	Russian
951	Polish
952	Danish
953	Slovakian
954	Serbian
955	Croatian
956	
957	
958	
959	
960	

You can also set all the functions in the "Additional services" menu and some functions from the "Set telephone" menu with key code combinations from the basic state. Here are these sequences.

Setting		Key code sequence
Follow me	Other phone number Enter telephone	OK star (long) hash Telephone OK
	Delete the other telephone number	OK STAR (long) HASH OK
Activating the call list		OK 1 HASH (long) 9 0 9 OK
Deactivating the call list		OK 1 HASH (long) 9 1 9 OK
Activating second call		OK 1 HASH (long) 9 0 8 OK
Deactivating second call		OK 1 HASH (long) 9 1 8 OK
Switching on receive charges		OK 1 HASH (long) 9 0 6 OK
Switching off receive charges		OK 1 HASH (long) 9 1 6 OK
Displaying the total call charges during a conversation	For the current call	OK 8 2 2 OK
	For all calls	OK 8 2 3 OK
	No display of charges	OK 8 2 4 OK
	Displaying the call charges as units	OK 8 2 0 OK
	Displaying the call charges as an amount	OK 8 2 1 OK
Check current charges in basic state		OK 8 2 5 OK
Clear the call charge meter		OK 8 3 PIN code OK
Ringing tone volume		OK 5 HASH (long) 2 desired volume (0…9) OK
Ring tone melody		OK 5 HASH (long) 5 desired volume (0…9) OK

If you want to store a key combination in the telephone book, press button 1 for an extended period instead of SELECTOR.

FC1

# **Technical specifications**

Not for use in hazardous areas except zones 2 and 22 in accordance with specifications in the manufacturer's declaration.

Standard	DECT™ (Digital Enhanced Cordless Telecommunications)	
Dimensions	137 x 46 x 21 mm plus antenna	
Weight, handset	approx. 100 g (with battery)	
Battery type	NiMH; 650 mAh	
Operating time for hand- set (with full battery)	min. 8 hours (Conversation) min. 80 hours (Stand-by)	
Charging time	approx. 5 hours	
Frequency range	1.88 1.9 GHz	
Transmitting power	10 mW (mean) 250 mW (peak)	
Permissible operating temperature	-10°C to +45°C (handset) +5°C to +40°C (charging cradle)	
Storage temperature	-25°C to +55°C	
Transporttemperatur	-25°C to +70°C (without battery) -25°C to +60°C (with battery)	
Protection category	IP 54, dust-proof and splash-proof	
Accessories *	<ul> <li>Charger (basic)</li> <li>Plug-in mains unit for continental Europe</li> <li>Plug-in mains unit for the UK</li> <li>Charger Plus</li> </ul>	
* Some of the listed ac- cessories must be or- dered separately!	<ul> <li>Plug-in mains Plus unit for continental Europe</li> <li>Plug-in mains unit Plus for the UK</li> <li>Changeable battery pack</li> <li>Headset (order no. 50 1010 5100)</li> <li>Carrying bag (order no. 50 1011 7500)</li> <li>MEM-Card</li> <li>MEM-Card manager</li> </ul>	

# **Table of characters**

The digit keys may also be used to enter letters and numbers, e.g. for names in the local telephone directory. Your handset will automatically switch to the input of letters when this is required.

The second line shows you the lower-case letters. See page 23 for information on how to enter the characters.

1⊗ Space . ? ! , & : " ( ) ' % £ \$ 1	6™© M N O Ñ Ø Ö 6 m n o ñ ø ö 6
(ZABC)	(TPORS)
A B C Ä Å À Æ Ç 2	P Q R S ß 7
a b c ä å à æ ç 2	p q r s ß 7
(3DEF)	®™
DEFÉÈ3	T U V Ü Ù 8
deféè3	t u v ü ù 8
(4 ⊡H)	(9 <sup>wxz)</sup>
G H I Ì 4	W X Y Z 9
g h i ì 4	w x y z 9
ر 5 الا J K L 5 j k l 5	<pre>0</pre>

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