

# **Business Handset FC1 (Ex) connected to Mobility Server I 33 / CS I55**



**Operating  
instructions**

**Order no.  
50 1010 7402  
V 1.7**

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## Version

V 1.2	(11/2002)
V 1.3	(02/2004)
V 1.4	(04/2004)
V 1.5	(29.04.2004)
V 1.6	(23.09.2005)
V 1.7	(06.02.2007)

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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 IP 65 and is dust-proof and protected against water jets as long as the connection socket for the headset is plugged by the original plastic seal. It can be used with an appropriate headset from the available range of accessories. (V 1.7 - 02/2007)

The FC1 Ex handset is an explosion-proof version with protection against gas explosions and dust explosions. It complies with protection class IP 65 and is dust-proof and protected against water jets. It must not be operated with any headset.

The FC1 Ex HS handset is an explosion-proof version with protection against gas explosions only. It complies with protection class IP 65 and is dust-proof and protected against water jets as long as the connection socket for the headset is plugged by the original plastic seal. It may be operated with a special approved headset. (V 1.7 - 02/2007)

There are still other handset versions available featuring personal emergency functions.

You will find the safety instructions and some further information about handling an explosion-proof handset version in the "Quick Guides" with the order numbers 50 1010 7101 and 50 1010 7142. (V 1.4 - 04/2004)

### 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.



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## ATTENTION

### **Never unscrew the handset housing!**

The housing could be damaged as a result. It does not contain any components that you can repair.

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## 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 Funkwerk Enterprise Communications GmbH is not liable for damage of this kind. (V 1.7 - 02/2007)

## Product package

Please check the contents of your FC1 product package immediately:

- FC1 (Ex / Ex HS) business handset or any other handset version with "Hints On Operation" (V 1.4 - 04/2004)
- Changeable battery pack
- MEM-Card
- Charger
- Plug-in power supply
- Short operating instructions (V 1.7 - 02/2007)
- CD-ROM with detailed operating instructions about the telephone features (V 1.4 - 04/2004)

## 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 20 about using the battery.

Only use batteries in an appropriate manner. The Funkwerk Enterprise Communications GmbH is not liable for damage which occurs due to inappropriate handling of the battery. (V 1.7 - 02/2007)

## 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 Funkwerk Enterprise Communications GmbH declares that the products FC1, FC1 Ex and FC1 Ex HS as well as all other handset versions comply with the basic requirements and other relevant provisions of guideline 1999/5/EU (R&TTE). (V 1.7 - 02/2007)

This device is suitable for connection to radio interfaces (DECT™) of the Mobility Server from Funkwerk Enterprise Communications GmbH and defines and fulfils the basic requirements according EU guideline 1999/5/EG (Radio and Telecommunication Terminal Equipment, R&TTE). (V 1.7 - 02/2007)

In the unlikely event of any problems occurring during operation, please contact your dealer or the Funkwerk Enterprise Communications GmbH service organisation for support. (V 1.7 - 02/2007)

Due to its design this device is not suitable for direct operation on interfaces to public telecommunications networks.

The declaration of conformity can be ordered using the following Internet address: [www.funkwerk-ec.com](http://www.funkwerk-ec.com). (V 1.7 - 02/2007)

This device operates in accordance with the DECT™ 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™ is a registered trademark of ETSI.

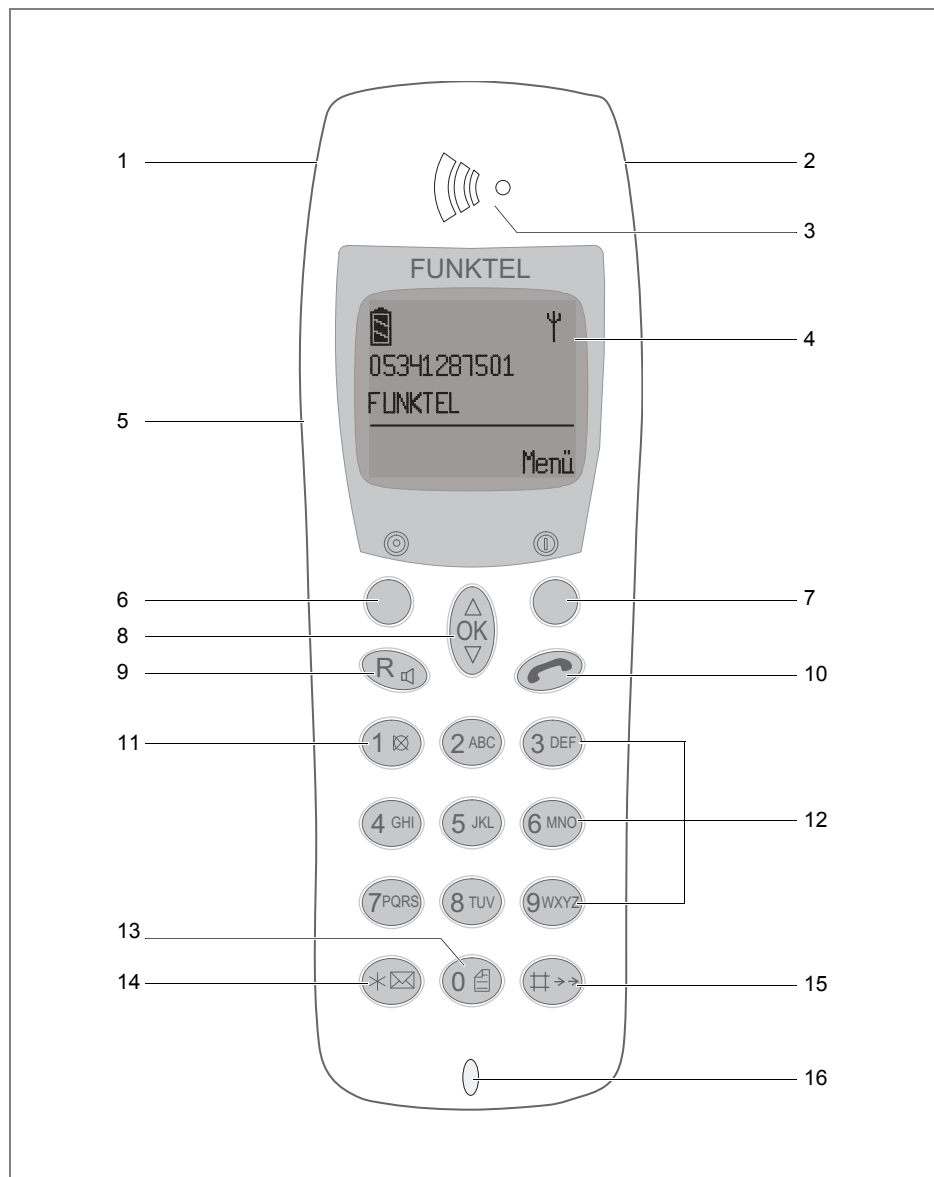
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## Restricted use of some functions

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 Funkwerk Enterprise Communications GmbH service organisation for more detailed information. (V 1.7 - 02/2007)



## Overview



## Legend

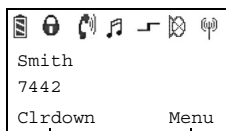
No.	Name	Meaning
1	Emergency call key	Keep key depressed until a deep confirmation tone sounds!
2	Headset socket	
3	Handset	
4	Display	indicates call numbers and settings
5	Handsfree loudspeaker	on rear of casing
6	LEFT SOFTKEY	Functions depend on status (shown in display) and for switching OFF
7	RIGHT 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








**Symbol line** indicates the status of the handset.

**Two text lines**, e.g. for name and call number.











**Function of the right softkey**, e.g. Menu.

**Function of the left softkey**, e.g. Clrdown.

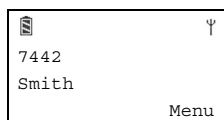
### Meaning of symbols

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 20.

**Meaning of symbols (cont.)**

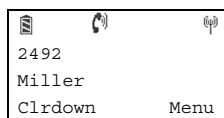
Symbol	Name	Meaning
	Mute	The microphone is off. Your call partner cannot hear you.
	No call signal	The call signal has been set to mute.
	Lock	The handset is locked.
	Handset	The handset has a telephone connection.
	Multifrequency code	Each push of the button is transferred to the connection subscriber (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.
	Within range of system	Your handset is within range of a base station. You may make a call.
	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.



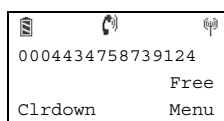
#### **In basic state**

The display shows the number and the first 16 letters of your name.



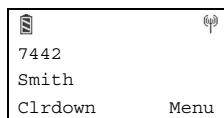
#### **Name display**

If you are calling a subscriber, the display shows the subscriber's call number and/or name.



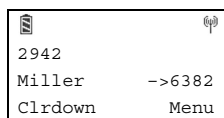
#### **When making a call**

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



#### **When you are called**

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



#### **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

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 16),
- Install the battery (see page 17) and
- Remove the protective film from the display, if necessary.
- Your service team must register the handset with your telephone system.

Your handset is then ready for operation.

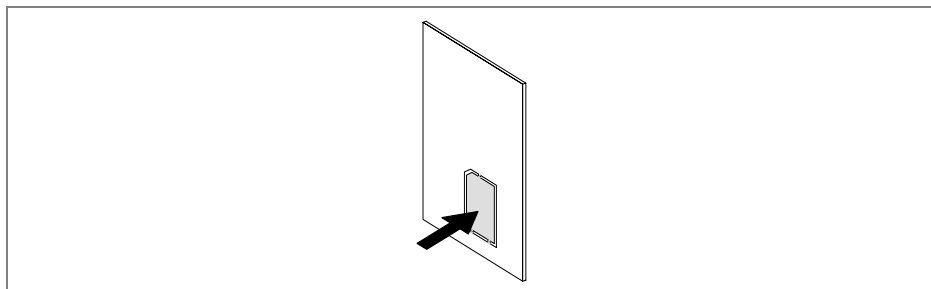
- Now connect the charger (see page 18).

### 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 18).

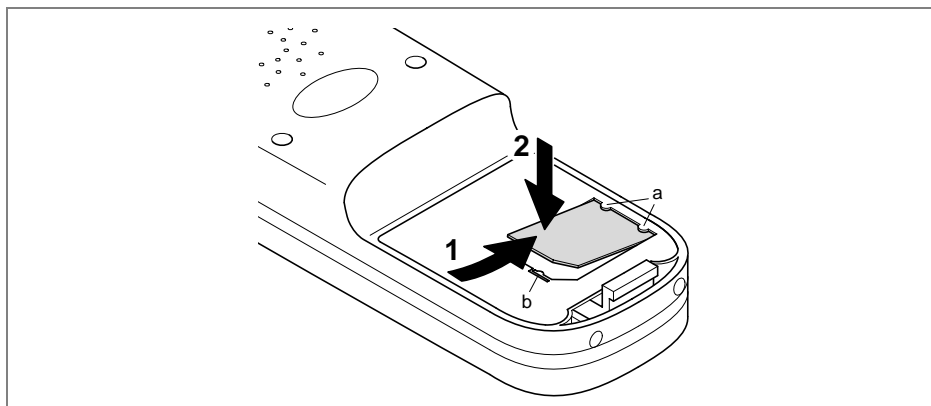
### MEM-Card

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.

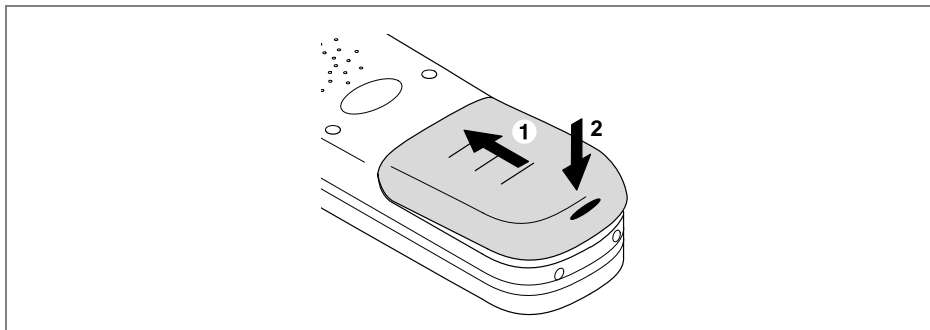
- Remove the battery out of the handset (see page 17).
- Press the small tag b upwards and lift the MEM-Card a bit at the same time.
- Now remove the MEM-Card.



## Inserting the battery

For information about handling **explosion-proof handset versions** see the "Quick Guides" with the order numbers 50 1010 7101 and 50 1010 7142. (V 1.4 - 04/2004)

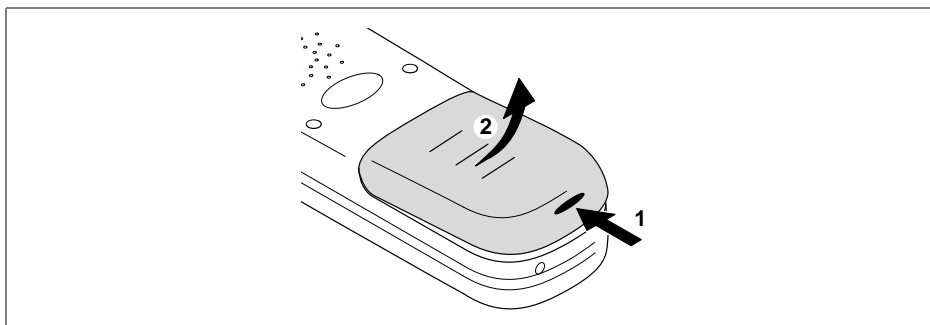
- Push the battery into the casing (1).
- Press the battery downwards on the lever side until you hear it lock (2).



## Removing the battery

For more information about **explosion-proof handset versions** see the "Quick Guides" with the order numbers 50 1010 7101 and 50 1010 7142. (V 1.4 - 04/2004)

- 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.



### CAUTION

For charging explosion-proof handsets, e.g. type **FC1 Ex**, use the **charger type FC1 S Ex** only.

The order number of the charger **FC1 S Ex** is 50 1018 1001. (V 1.4 - 04/2004)

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

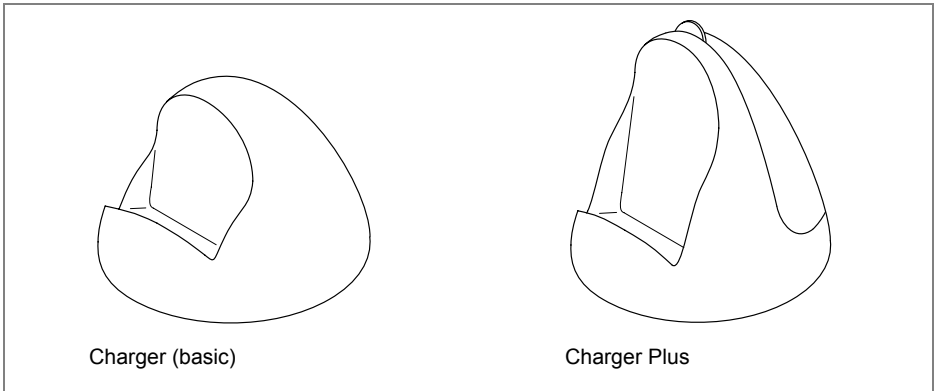
The charger is ready for operation.

## 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

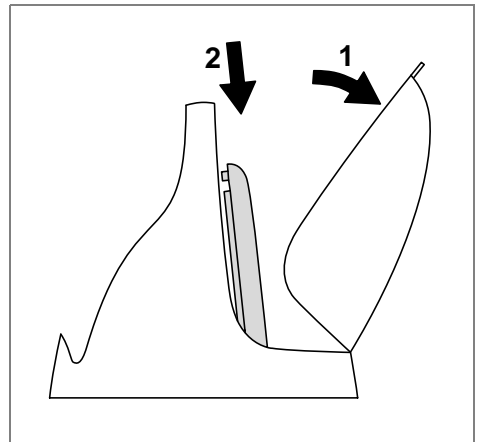
If you own a Charger Plus (accessory), you can also use it to charge a spare battery. You can load the spare battery at the same time as your handset.

For information about handling **explosion-proof handsets** see the "Quick Guides" with the order numbers 50 1010 7101 and 50 1010 7142. (V 1.4 - 04/2004)

- 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



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### ATTENTION

**Do not throw 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 short-circuited.

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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 handset 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 explosion-proof handsets FC1 Ex or FC1 S Ex must not be used together with a headset!** (V 1.4 - 04/2004)

The explosion-proof handset **FC1 Ex HS** may only be used with the **headset order number 50 1010 5101**. If the handset FC1 Ex HS is used without a

headset, its connection socket for the headset must be plugged by the original seal. Otherwise the Ex approval will completely expire. (V 1.5 - 04/2004)

The Ex approval of the handset FC1 Ex HS in general is limited to the protection against gas explosions. (V 1.5 - 04/2004)

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 85).

## Connecting a headset



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### 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. Make sure to operate the approved headsets together with the FC1 or FC1 Ex HS only!

(V 1.5 - 04/2004)

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### CAUTION

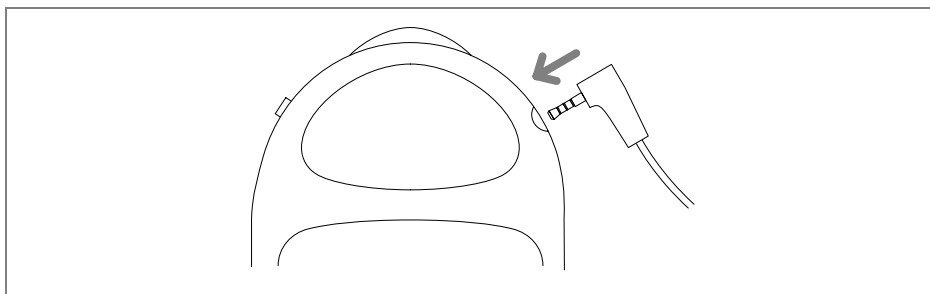
**Do not use a headset together with an explosion-proof handset version FC1 Ex or FC1 S Ex!**

See the "Quick Guides" with the order numbers 50 1010 7101 and 50 1010 7142 for safety instructions. (V 1.4 - 04/2004)

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The connector socket is located on the top right hand side of the handset. Carefully pull off the protective seal from the connector socket and store it at a safe place. (V 1.5 - 04/2004)

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



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**NOTE**

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

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## 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



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.



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



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



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



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 contents (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 example for a menu option is: *System*.



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



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### NOTE

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

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## Returning to another menu level



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



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 123).



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### NOTE

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

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Example: Entering the name "JOHN":



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



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



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



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

## Ending input



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



Dial the desired number, e.g. 1 2 7 6.



Correct any typing mistakes if necessary.



Lift the handset.

### Cancelling block dialling



Press for an extended period.

### Making a call, conventional dialling



Lift the handset.



Dial the desired number, e.g. 1 2 7 6.

## Ending a call



Replace the handset.

## Redialling



Press the HASH key for a **long** period.



Lift the handset.

## Accepting a call



Your handset rings.



Lift the handset.

## Switching off the ringing tone



Your handset rings.



Tone off. The call is still waiting.

## Rejecting a call



Your handset rings.



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 88).

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

When you receive a message, an existing call is temporarily interrupted. See Messaging section. (V 1.3 - 02/2004).

## 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.



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



Replace the handset. CCBS appears in the display.



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#### NOTE

You may store up to three callbacks.

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### When the subscriber becomes free



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.



Press SELECTOR.



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



Confirm. You may cancel using the LEFT SOFTKEY.



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### NOTE

You can store the code for callback in the local telephone directory (see page 46).

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## 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.



Dial the number for the second set, e.g. 7 6 5 4.



End the input using the HASH key.



Lift the handset. You will hear an acknowledgement tone.



Replace the handset.



## Switching on double call

The double call feature must have been enabled.



Code for double call, e.g. STAR 3 4.



Lift the handset. You will hear an acknowledgement tone.



Replace the handset. The following appears in the display: 3 0 5 0 >> 7 6 5 4.



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### 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.

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## Switching off double call



Code for double call, e.g. HASH 3 4.



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



You are speaking on the handset.



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



Enter the desired number, e.g. 7 6 5 4. The number 7654 appears in the display. The connection is made. Your initial call partner is left waiting.

### Switching to the other call partner



Switch over using the R button.

### Disconnecting the current call partner



Disconnect using the LEFT SOFTKEY.

## Forwarding a caller



You are speaking on the handset.



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



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



You are speaking on the handset.



Activate a refer-back call.



Enter the desired number, e.g. 7 6 5 4. The number 7654 appears in the display. Your initial call partner is left waiting.

### Switching



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



Clrdn. You are connected to the remaining call partner.

### Ending switching between lines



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.



Activate a refer-back call.



Enter the desired number, e.g. 4 5 6 7. You will be connected.

Your initial call partner is left waiting.



Switching.



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



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.



Your handset rings.



Lift the handset.



---

#### NOTE

The second call can be switched off (see page 88). 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 reget-back call or when switching between lines.

---

### Interrupting 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.



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.

## Refer-back call in the second call



You are answering a second call.



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



Enter the desired number, e.g. 7 6 5 4. The number 7654 appears in the display. The connection is established. The second call is left waiting.

## Switching back to the second call



Switch over using the R button.

## Disconnecting the current call partner



Disconnect using the LEFT SOFTKEY.

## Forwarding a second call



You are answering a second call.



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



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.

---



## 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 dialing in your telephone system is determined by the system administrator.

### Using code dialling



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!



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



Menu Local tel. dir.



Menu Search



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.



Lift the handset.

## Searching for an entry by entering the first letter



Menu Local tel. dir.



Menu Search



Confirm.



Enter the first letter, 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.

## Rapid search for an entry



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.



Menu Local tel. dir.



Menu Search



Confirm.



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



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



Menu Local tel. dir.



Menu Search



Confirm.



Search for the second entry, e.g. Reichert.



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



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



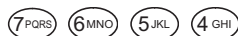
Menu Local tel. dir.



Menu New entry



Confirm.



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



Confirm.



Enter the name (up to 16 characters). For an explanation of how to do this, see page 25.



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 118).

## Changing an entry



Menu Local tel. dir.



Menu Edit



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



Confirm.



Change the number, e.g. 7 6 5 4 (up to 32 digits). For an explanation of how to do this, see page 25.



Confirm.



Change the name (up to 16 characters). For an explanation of how to do this, see page 25.



Confirm. The following appears in the display: entry?



Confirm.

## Deleting an individual entry



Menu Local tel. dir.



Menu Clear entry



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



Confirm. The following appears in the display: delete?



Confirm.

## Deleting all entries



Menu Local tel. dir.



Menu Clear all



Confirm.



Enter the additional PIN, e.g. 7 6 5 4 (see page 93).





Confirm. Display: Really delete all entries?



Confirm.

## Querying the free capacity



Menu Local tel. dir.



Menu Capacity



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.



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



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



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.



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.



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



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.



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



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.



Confirm with the SELECTOR.

## Scrolling through the “Message waiting” list



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 +



Lift the handset. You are connected to voicemail.



---

### 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.



---

### NOTE

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



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. 3 0 5 0. The call number will be behind the code in the display: \*43050



Lift the handset. You will hear an acknowledgement tone.



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



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



Lift the handset. You will hear an acknowledgement tone.



Replace the handset.

### Deactivate call diversion when busy



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



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



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.



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 sense if, for example, you are in a meeting. Your system administrator can give you the code.

### Activate delayed call transfer



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



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



Enter the code for call transfer OFF, e.g. HASH 5. The display shows #5.



Lift the handset. You will hear an acknowledgement tone.



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 63).

At the desired time you can then

- activate the “Follow me” function with your headset (activating “Follow me”, see page 64).

### Enabling follow me – at another telephone



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



Lift the handset.



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



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. 2 0 7 8. The number appears in the display: 2078



End the input.

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



Menu Addit. services



Menu Call diversion



Menu Delete



End "Follow me" function.

## 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



Another telephone rings, e.g. 3050.



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



Enter the number of the ringing telephone, e.g. 3 0 5 0.



Lift the handset.



You are connected.

## Undirected group pick-up



Another telephone within your group rings.



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



Lift the handset.



You are connected.

## Group pick-up



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



Enter the code, e.g. STAR 2 5.



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



Lift the handset.



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.



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



Enter the first letter, e.g. 6 7 8 9. Every digit will be transmitted as DTMF signals.



---

#### NOTE

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

---

## Automatic deactivation of DTMF postdialling

DTMF postdialling is deactivated automatically after a certain time.



DTMF postdialling is automatically deactivated when the handset is replaced.

## Manual deactivation of DTMF postdialling



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



Menu Addit. services



Menu Recv. charges

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



Select the selection process, e.g. on.



Confirm.



#### 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.



---

### NOTE

You can also set the “receive charges” function with codes instead of using the `Addit. services` menu (see page 118).

---

## Displaying the total call charges for the current call



Menu `Addit. services`



Menu `Current charges`



Menu `Current conversation`



Confirm.

## Displaying the total call charges for all calls



Menu Addit. services



Menu Current charges



Menu All calls



Confirm.

## No display of charges



Menu Addit. services



Menu Current charges



Menu No charges



Confirm.



## Displaying the call charges as units



Menu Addit. services



Menu Current charges



Menu Units



Confirm.

## Displaying the call charges as an amount



Menu Addit. services



Menu Current charges



Menu Amount



Confirm.

## 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



Menu Erase charges



Enter the additional PIN (see page 94), e.g. 5 6 7 8. It is not in the display.



Confirm.



### 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 6 MNO 9 WXYZ 7 PQRS 5 JKL 0 5 JKL

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

8 TUV 9 WXYZ

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

6 MNO 0 5 JKL 5 JKL

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

1 2 ABC 3 DEF 4 GHI

Enter the PIN, e.g. 1 2 3 4.

Now set up, change or deactivate a call diversion.

## Setting up and changing call diversions



Enter the code for “activate follow me”, e.g. STAR 6 7.



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



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 6 MNO 9 WXYZ 7 PQRS 5 JKL 0 5 JKL

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

8 TUV 9 WXYZ

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

1 2 ABC 3 DEF 4 GHI

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

0 0 0 4 GHI 1 9 WXYZ 7 PQRS 5 JKL 4 GHI 3 DEF

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



You are speaking on the handset.



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

### Reactivating the microphone

The microphone is off.  appears in the display.



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 quality if you place the handset with the keys facing down on the table.

### Switching on the loudspeaker for handsfree operation




You are speaking on the handset.



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

### Switching off the handsfree loudspeaker again



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



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 conversion 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



Menu SET ACOUSTICS



Confirm.



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



Confirm.



#### 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 11).

## Ringing tone volume



Menu Set telephone



Menu Ringing tone volume



Confirm selection.



Your handset will now ring at the set volume.



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



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



Store the volume. The setting is now active.

## Ringling tone melody



Menu Set telephone



Menu Ringing tone melody



Confirm selection.



Your handset rings with the set melody.



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



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



Store the melody. The setting is now active.

## Key beep



Menu Set telephone



Menu key beep



Select settings, e.g. sound.



Confirm.

## Handset volume



Menu Set telephone



Menu Handset volume



Confirm.



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



Confirm.

## Temporarily adjusting 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 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 hands-free 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



Menu lighting



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).



Confirm.

## Switching the call list on or off



Menu `Addit. services`



Menu `Call list`

When you select the menu `Call list`, the setting “off” is always offered first.



Select the selection process, e.g. `On`.



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.



Confirm.

## 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.



Menu Set telephone



Menu Alert tones





Select the selection process, e.g. On.



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 93 for more information about the PIN.



Menu Set telephone



Menu Reset



Confirm.



Enter the PIN, e.g. 2 3 4 5.



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



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



Menu Set telephone



Menu Emergency No.



Confirm.



Enter the PIN, e.g. 2 3 4 5.



Confirm.



Enter or changing emergency numbers, e.g. 6 6 6 6.



Confirm.

## 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 SELECTOR 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 ?



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 Funkwerk Enterprise Communications GmbH service organisation in this case. (V 1.7 - 02/2007)

### Regular PIN



Menu Lock



Menu Create PIN



Confirm.



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



Confirm.



Enter the new regular PIN, e.g. 2 3 4 5. The digits do not appear in the display.



Confirm.



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



Confirm.



## 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



Press SELECTOR.



Enter the code 8 0.



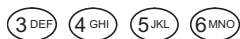
Press the HASH key for a **long** period.



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.



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



Confirm.

## Locking the handset

All functions are blocked when the handset is locked. Only the emergency call feature will work (see page 91).

### Lock




Menu Lock




Menu Lock



Confirm.

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

### Unlocking

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



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



Enter the PIN, e.g. 2 3 4 5. The digits do not appear in the display.



Confirm.



## Keyboard lock via the menu



Menu Set telephone



Menu Keyb. lock



Confirm.

## Keyboard lock using the keys



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

## Unlocking the keyboard

The keyboard is locked.



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

## Language

In the software for newer systems, the digits have been preset (see page 118).  
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



Menu Set telephone



Menu LANGUAGE



Select a language, e.g. German.



Confirm.

### Setting the language of the telephone system



Press SELECTOR, 1, then HASH (**long**).



Enter the number of the desired language, e.g. 9 2 1.



Confirm.

## 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 acknowledgement 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.

---



---

### NOTE

During reception of a message and during a possibly required manual acknowledgement, an existing call is temporarily interrupted.

Example: User A and user B are holding a telephone conversation. User A receives a message. From now on, the handset microphone of user A is switched off as long as the messaging process continues including the signalling and acknowledgement time. During this period, user B cannot hear user A anymore. However, the call is not terminated. The conversation can be continued after signalling and acknowledgement are complete. (V 1.3 - 02/2004).

---



## Receiving a message



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



Press the R button.

## Cancel the message in the display



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

## Delete the message totally



Press the 0 key

... or ...



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.



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 104!

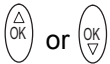
**When both lists** contain entries, the display always shows the **mail list**.

Now select the mail list or the call list by pressing the SELECTOR UP / DOWN key again, then ...



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

## Scrolling in a called up list



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 ...



Press the 0 key

... or ...





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 ...



Enter the number, e.g. 1 2 3 4.



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



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.



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 ...



Enter the number, e.g. 1 2 3 4.



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



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.



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



Press the STAR button.



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`.



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 ...



Enter the direct call number, e.g. 4 3 2 1.



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



Menu Local tel. dir.



Menu Search



Search for the entry, e.g. Claes.



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



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



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



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



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



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. 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.

## 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 our service. You have 2 minutes to make the setting. To log on, the handset must be within range of the telephone system.



Menu System



Menu Log on tel.



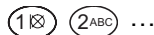
Select settings, e.g. System 4.



Select the telephone system: I33/I55



Confirm. The following appears in the display: Enter PARK



Enter the PARK number, if known.





Confirm. The following appears in the display: Enter AC



...

Enter the AC code, e.g. 1 2 3 1 2 3 1 2.



Confirm.

## 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.



Menu System



Menu Selection mode



Select the selection mode, e.g. automatisch.



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



Menu Select system



Select settings, e.g. System 4.



Confirm.

## Changing the system name



Menu System



Menu Change name



Select settings, e.g. System 4.



Confirm.



Change the name (up to 14 characters), e.g. West Site. For an explanation of how to do this, see page 25.



Confirm.

## Querying the telephone ID



Menu System



Menu Telephon ID



Select menu IPEI oder menu IPUI.



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



Menu System



Menu Software Version



Confirm. The number appears in the software version.

## Appendix

## List of the message defined texts

[illegible]

## 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 cannot be reached	Switch on
	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.

<b>Setting</b>		<b>Key code sequence</b>
Follow me	Other phone number	OK STAR (long) HASH Telephone
	Enter 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.



## Technical specifications and accessories for the business handset FC1

The business handset FC1 is not for use in hazardous areas except zones 2 and 22 in accordance with specifications in the manufacturer's declaration.

For technical specifications, accessories and more information about handling **explosion-proof handset versions as well as handset versions with emergency functions** see the "Quick Guides" with the order numbers 50 1010 7101 and 50 1010 7142. (V 1.4 - 04/2004)

Standard	DECT™ (Digital Enhanced Cordless Telecommunications)
Dimensions	138 x 47 x 21 mm plus antenna
Weight, handset	approx. 109 g (with battery) (V 1.7 - 02/2007)
Battery type	NiMH (V 1.6 - 09/2005)
Operating time for handset (with full battery)	min. 7 hours (Conversation) (V 1.6 - 09/2005) min. 80 hours (Stand-by)
Charging time	approx. 5 hours
Frequency range	1.88 GHz ... 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 short time storage, up to one month
Transport temperature	– 25 °C to + 70 °C (without battery) – 20 °C to + 60 °C (with battery) (V 1.7 - 02/2007)
Ringing tone volume	maximal 81 dB SPL (Sound Pressure Level) at a distance of 30 cm from the acoustic source
Signalling volume of the emergency call tone	79 dB SPL (Sound Pressure Level) at a distance of 30 cm from the acoustic source

Protection category	IP 65, dust-proof and protected against water jets (The protection category IP 65 is effective only as long as the connection socket for the headset is plugged by the original plastic seal!) (V 1.7 - 02/2007)
Accessories *	<ul style="list-style-type: none"> <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> <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</li> <li>■ Carrying bag</li> <li>■ MEM-Card</li> <li>■ MEM-Card manager</li> </ul>

\* Some of the listed accessories must be ordered separately!

## 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 25 for information on how to enter the characters.

1 ☒

Space . ? ! , & : " ( ) ' % £ \$ 1

6 MNO

M N O Ñ Ø Ö 6  
m n o ñ ø ö 6

2 ABC

A B C Ä Å Æ Ç 2  
a b c ä å æ ç 2

7 PQRS

P Q R S ß 7  
p q r s ß 7

3 DEF

D E F É È 3  
d e f é è 3

8 TUV

T U V Ü Û 8  
t u v ü ù 8

4 GHI

G H I Ì 4  
g h i ì 4

9 WXYZ

W X Y Z 9  
w x y z 9

5 JKL

J K L 5  
j k l 5

0 ☎

+ - x \* / = > < # 0

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Telefax +41 44 87814-15

**Last update of address information on november, 17th, 2006**

**funkwerk**   
enterprise communications

Produktmanagement • V 1.7 • 02/2007  
Technische Änderungen und Liefermöglichkeiten vorbehalten  
Gedruckt in der Bundesrepublik Deutschland  
Artikel Nr. 50 1010 7402

We reserve the right to make changes without notice.  
Delivery subject to availability  
Printed in Germany  
Order No. 50 1010 7402

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