

Programming instructions

Ergonomic-telephones

L-PHONE II

L-PHONE II-f



Important!
Please read carefully before use.
Keep for later reference.

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1 Guide to this manual

1.1 Parts of the documentation

The manual is a part of the product. Keep it for the period of product life. If you pass over the product to others, please hand over the manual too.

Instructions on commissioning

The manual is intended for the installer of the phone. It describes how the phone is properly installed and connected.

Programming instructions

The manual is intended for the installer of the phone. It describes how the functions with PIN authorization are set.

User manual

In this manual, the user of the phone learns, how to use the phone and how to program functions without PIN authorization.

1.2 Signal words and symbols

Signal words and symbols in this guide refer you to warning advice, information and instructions.

Signal word/ symbol	Explanation
DANGER 	Warning advice. Direct and immediate danger. Failure to comply will result in death or serious injury.
WARNING 	Warning advice. Possibly dangerous situation. Failure to comply could result in death or serious injury.
CAUTION 	Warning advice. Possibly dangerous situation. Failure to comply could result in slight or minor injury or damage to equipment.
	Helpful information.

2 Safety information

Intended use

The phone is suitable for connection to the public telephone network and for connection to analog ports of telephone systems.

At the port the phone „L-Phone II/L-Phone II-f“ is connected, no other phone can be operated (e.g. via simple parallel connection).

Shock hazard

DANGER



- Never try to unscrew the screws and open the device. You could get in contact with current-carrying parts. Never touch the connector contacts with pointed or metallic objects.
- Do not make telephone calls during a thunderstorm. There is risk of electric shock when a lightning strike into the net.
- If the phone housing or connecting cables are damaged, unplug the connecting cable from the telephone network and the power supply unit from the mains.

Installation location

The telephone socket and the mains outlet should be located nearby the installation location.

CAUTION



- The telephone was produced for standard use conditions. Please do not install the device
- close to heat sources (air-conditioning, heater, exposure to direct sunlight),
 - in humid rooms (no exposure to splashing water or chemicals),
 - nearby devices emitting strong magnetic fields (electrical appliances, fluorescent tubes, computers, TV sets),
 - in dusty rooms,
 - in rooms where the device is exposed to vibrations or extreme variations in temperature.

Safety information

The phone do not be exposed to ambient temperature below 0°C or greater than 40°C.

If you do not observe this, the device may be damaged.

Some furniture lacquers or furniture cleaning products may attack the rubber at the feet of the telephone and thus cause patches. In such cases, please use a non-slip pad under the device.

Installing the telephone

DANGER



- If the telephone and the connecting cables are damaged, it is not allowed to connect the phone to the telephone socket and the mains outlet. Electric shock may result.

CAUTION



- Only use original components from the scope of supply. Only plug the connecting cables into the designated receptacles. If you do not observe this, the device may be damaged.
- The connected power supply unit must be freely accessible, so that in a hazardous situation (defect on the phone or on the power supply unit) it can be separated directly from the mains.

Operating the phone

CAUTION



- Never carry the telephone at the handset or the connection cables. The plugs and sockets could be damaged.
- No liquid may get into the device, because this can damage the device.

Alerting/emergency call

DANGER



- In rare cases, the function of sending out an emergency call to the call system or to a freely programmable destination cannot be guaranteed. This might be the case if e. g. the telephone network fails. If the device is used for people who are in a critical or life-threatening health condition, you should not refrain from additional safety means.

Safety information

- During operation, the phone must be connected to the telephone network and the power grid. The battery pack must be inserted so that enough power is available during a power failure.
- In the battery icon appears in the display, the battery pack has to be replaced.

Emergency radio pendant

Variante „L-Phone II-f“ only.

- Use only approved pendants/transmitters.
- The pendant is protected against water jets. A longer immersion in water can damage the transmitter.
- Interferences may occur if electrical appliances such as vacuum cleaners, etc. with insufficient or defective radio interference suppression are operated nearby.

CAUTION



If the radio pendant is worn around the neck by means of the cord, please consider the following:

- The radio pendant should only be worn in front of the upper part of the body and above the clothing. It then can easily be accessed at any time.
- The cord has been developed and designed to break when exposed to extra ordinary high mechanical load. Despite of this, a risk of injury cannot be completely excluded. It is recommended to wear the radio pendant around the wrist when helping laid up persons.
- Only use an original cord to replace a faulty one. Do not try to repair the cord on your own (e. g. by making a knot).
- Radio pendant and cord should be kept out of reach of small children.

Menu structure

3 Menu structure

3.1 Navigating the phone with the display keys

In idle mode you have access to the phonebook (P-book), the call list (List), the menu and the loudspeaker () via the display keys.

You can set your phone via the menu.

Menu

Open the main menu.



Select function (forward).



Select function (backward).

Ok

Confirm entry/function.

Back

Short press: back to the next higher level.
Long press: back to idle mode.

3.2 Menu level

The following functions without PIN authorization are described in the user manual:

Level 1	Level 2
Fast dialling	<ul style="list-style-type: none">- Storing speed dialling numbers- Creating phonebook entries- <i>Deleting the phonebook</i>- Storing abbreviated dialling numbers
Tones & signals	<ul style="list-style-type: none">- Ringing indication via flashlight on/off- Setting the ringing melody- Switching the ringer on/off- <i>List of released numbers for ringing signals</i>- <i>List of restricted numbers for ringing signals</i>-Key tone on/off
Menu release PIN	Access to the protected „Installer menu“ only with authorization (4-digit Personal Identification Number, called PIN).

Exceptions: The italicized functions require the PIN entry and are described in the programming instructions.

Menu structure

The following functions with PIN authorization are described in this programming instructions. For safety reasons we recommend to change the PIN, see section 15.1.

Level 1	Level 2	Level 3
Alerts	Storing alert call nos.	
	Setting call triggers	Emergency call key Radio transmitter ("L-Phone II-f" only) Radio transmitter open ("L-Phone II-f" only) Fault message Vital emergency call Test call
	Announcements	Listen announcement (emergency call, fault message, test call, personal emergency call) Record announcement (emergency) Delete personal announcement
	Settings	Number of cycles Pause time Connection time Identnumber „Volume high“ on/off End tone on/off
	Vital sign function	On/off/vital time
	Test call	On/off/test call time
	Log in/out care	Call number Log in code Log out code
	Alerts on/off	

Menu structure

Level 1	Level 2	Level 3
Talkback mode (Auto answer mode)	Talkback mode	Talkback off Talkback via number of rings Talkback via CLIP-number Talkback via special call
	Storing „Talkback-PIN“	
	Setting number of rings	
	Storing CLIP call numbers	
Dialling restriction	Type restriction	No restriction Direct call Automatic direct call Restricted numbers Full restriction Only speed dialling
	Storing restricted numbers	
	Storing direct call number	
	Storing exception numbers	
Basic settings	General	Language Date on/off Time on/off Date/Time Time change Movement detector Illumination Caller-LED Display contrast Change PIN Accept radio call Headset mode CLIP Infrared address

Menu structure

Level 1	Level 2	Level 3
Basic settings	Dialling	Flash time Line access code PSIC Code Dialling pause Carrier-number
	Monitoring	Power adapter Phoneline Radio monitoring Radio range Trigger timer Fault LED
	Function keys	Speed dialling key Service key "Log in/out care" key "Log in/out vital" key Daily key Recall-key
Service	Information Reset Initial set Delivery status Device off Configuration from card Configuration to card Software-Update	

If you still want to make entries within 30 seconds after leaving the PIN-protected menus, so you need not enter the PIN again.

4 Alert function

4.1 Terminology

During alert operation, calls and fault messages are sent to programmed call numbers. The generic term „alert function“ includes the following 5 features:

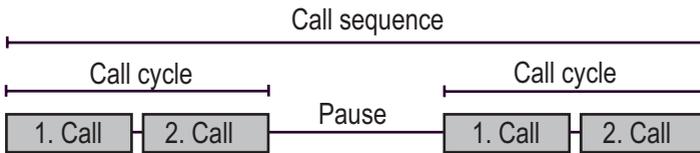
- Emergency call** The emergency call is actively initiated by pressing the emergency call key on the telephone.
> See chapter 5 „Alerting emergency call“.
- Radio emergency call** Variant „L-Phone II-f“ only
The radio emergency call is triggered by a radio transmitter (e.g. radio pendant or radio cord pull switch).
> See Chapter 6 „Alerting radio emergency call“.
- Vital sign function** The vital emergency call is a passive emergency call. It is triggered when the monitored person shows no activity and press not the daily key at the agreed time.
> See Chapter 7 „Alerting vital emergency call“.
- Fault message** The fault message is triggered if a technical fault was detected by the phone itself. The phone itself initiates the call.
> See chapter 8 „Alerting fault message“.
- Test call** The test call is triggered at a fixed time in order to test whether the phone works properly. The phone initiates the call itself.
> See chapter 9 „Alerting test call“.

Alert function

4.2 Description

Process of the alert call

Call sequence: Call sequence defines the sequence of all calls programmed. All telephone numbers are dialed in a loop repeatedly until the alert call is accepted and acknowledged or the sequence ends automatically.



Call cycle: The one-time expiry of all programmed call numbers behind the other is called call cycle (default: 9 cycles).

Pause time: The pause time is the time the phone waits between the cycles (3 minutes by default).

End tone: At the end of the last cycle three tones signal that no other cycle follows and the call sequence ends.

Call acknowledgment: After an acknowledged call the further numbers of the sequence are not more dialed. If no acknowledgment takes place (e.g. in acceptance of the call by an answering machine), the calls are continued within the sequence.

Connection time: The connection time is the time in which a call expires. The process of the call ends by acknowledgment or by the end of the connection time.

Priority of calls

If there are incoming calls while an alert call is made, these incoming calls are not answered as the alert call always has priority.

Existing calls are automatically disconnected as soon as an alert call is initiated.

Alert function

Accepting and editing of calls

If several calls are triggered via different triggers almost simultaneously, the phone remembers the order and processes one call after the other.

Recipient's phone

The recipient's phone of the alert call must have the function of tone control (DTMF dialling).

4.3 Overview of the call triggers

A „call trigger“ can be a key, a fault or a timer.

Call trigger	Variants	Way of triggering
Emergency call key		Pressing the key
Radio emergency call*	<ul style="list-style-type: none">- Radio pendant- Radio cord pull switch- Radio smoke detector- Radio technical transmitter- Radio tile	<ul style="list-style-type: none">- Pressing the key- Pulling the cord- Smoke is detected- Triggering a call via an additional device - Pressing the key in the tile
Vital-sign function		Automatic triggering at a specified time, if the daily key has not been pressed
Fault message call		<ul style="list-style-type: none">- Disturbance of power network- Battery pack is empty or do not work- Battery of the pendant is nearly empty- Radio transmitter defect or out of range
Test call		Automatic triggering at a specified time

*) Variant "L-Phone II-f" only.

4.4 Accepting, navigating and finishing alert calls

The following table shows the possibilities to accept, to navigate and to finish an alert call.

Alert function

Accepting alert calls:

Digit-key 5	The alert call is accepted and acknowledged. The call sequence ends after the call.
Digit-key 2	If the phone communicates with a server: The alert call is accepted, but not acknowledged. Further call numbers are dialed within the sequence.

Navigating alert calls:

Digit-key 1	If the phone communicates with a server: The connection time of the alert call is extended to 20 minutes (can be used after the acknowledgement via „digit-key 2“ only).
Digit-key 4	Listening-in mode: the recipient hears the caller.
Digit-key 5	Hands-free mode: both of the subscribers hear and speak.
Digit-key 6	Announcement mode: the recipient speaks to the caller.

Finishing alert calls:

Replace handset	If the alert call is acknowledged via the number 5 key, the call ends after hanging up the handset at the recipient's phone. At the ergonomic phone busy tones are heard.
Digit-key 7	If the phone communicates with a server: The call is terminated. No busy tones are heard at the ergonomic phone. There is no acknowledgement and the call takes a break (pause time: waiting time between the cycles). The pause time is set to 30 minutes. The emergency call key flashes.
Digit-key 8	The call is terminated and acknowledged. At the ergonomic phone no busy tones are heard. The call sequence ends after the call.
Digit-key 9	If the phone communicates with a server: The call is terminated, but not acknowledged. At the ergonomic phone no busy tones are heard. Further call numbers within the sequence are dialed.

Alert function

4.5 Programming basic settings „Alert function“

DANGER



In rare cases, the transmission of an alert call can not be guaranteed.

Please read the safety information in chapter 2.

If you want to use one or more of the alert features „emergency call“, „radio emergency call“, „vital sign function“, „fault message“ and/or „test call“, the following basic settings are necessary:

Basic settings „Alert function“	Page
4.5.1 Switching on the alert function (factory pre-set: switched on)	17
4.5.2 Determining and storing alert call numbers	18
4.5.3 Setting alert parameters	19

4.5.1 Switching the alert function on/off

In factory pre-set the alert function is turned on. If you want to use the „emergency call“, the „radio emergency call“, the „vital sign function“, the „fault message call“ and/or the „test call“, so leave the function turned on.

Switching the alert function off



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Alerts on/off“ > **Ok**.



Press **↓↑** to select „Off“ > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.



Switching on the alert function again

If you want to activate the alert function again, so select within the procedure the option „On“.

Alert function

4.5.2 Determining and storing alert call numbers

„Alert call numbers“ are numbers, which are automatically called in case of an emergency (emergency call/radio emergency call), in case of activity monitoring (vital sign function), in case of technical malfunctions (fault message) and regular technical inspection (test call).

The determined alert call numbers can be flexibly assigned to one or more call triggers. The assignment is described in the respective chapters „Emergency call“, „Radio emergency call“, „Vital sign function“, „Fault message“ and „Test call“.

Determining alert call numbers

There are 9 memory locations for alert call numbers (max. 20 digits) available. Enter the call numbers in the following table:

Memory-location	Alert call number	Alert function	Call trigger
1			
2			
3			
4			
5			
6			
7			
8			
9			

Storing alert call numbers



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



„Alert call nos.“ > **Ok**.



Press **↓↑** to select „Alert call no.(1-9)“ > **Ok**.

Alert function



Enter alert call number > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

- While entering the number, you can delete the last digit with  or delete the entire number with **Delete**.
- You can enter dialling pauses via the lower speed dialling key.

4.5.3 Setting alert parameters

The alert parameters are pre-set. You can change them - but you must not.

Setting options:

Number of cycles

In a cycle all programmed alert call numbers are called once - one after the other. By the number of cycles (1-9), you define how often all alert numbers are being called in a row.

Factory pre-set: 9 cycles.

> Enter the number of cycles (1-9) via the digit-keys.

Pause time

You can define the duration of a dialling pause between the cycles (1-9 minutes). After this pause, a new cycle starts.

Factory pre-set: 3 minutes.

> Enter the minutes (01-99) via the digit-keys.

Connection time

The connection time is the time in which the alert call expires. The sequence is terminated by acknowledging the alert call or by the end of the connection time. Factory pre-set: 90 seconds.

> Enter the seconds (1-99) via the digit-keys.

Alert function

- Identnumber** If an emergency call service is called, the recipient of the emergency call can use an identification number to get immediate information on the person seeking help. This is done via a number sequence of multifrequency dialling tones.
> Enter the identnumber via the digit-keys.
- Volume high** The loudspeaker volume of the ergonomic phone is automatically set to maximum volume during speech connection of the alert call. Factory pre-set: switched on.
> Switch on/off via the arrow keys.
- End tone** The end tone (3 beeps) indicates that no further alert call numbers are dialled. The end tone can be switched on or off. Factory pre-set: switched on.
> Switch on/off via the arrow keys.

Establishing the settings:

-  Open **Menu** > press $\downarrow\uparrow$ to select „Menu release PIN“ > **Ok**.
-   Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.
-  Press $\downarrow\uparrow$ to select „Settings“ > **Ok**.
-  Press $\downarrow\uparrow$ to select the desired function > **Ok**.
-   Enter values via the digit-keys or switch functions on/off via $\downarrow\uparrow$ > **Ok**.
-  Select further settings or press and hold **Back** to return to standby mode.

Alerting „Emergency call“

5 Alerting „Emergency call“

Via the red emergency call key on the telephone emergency calls can be sent to programmed telephone numbers.

5.1 Emergency call process

 Resident triggers an emerg. call: →	 Phone of the nurse rings.
	Nurse picks up and hears the emergency announcement. She presses key 5 to accept the call. The announcement stops.
Ergonomic-phone switches to hands-free	Conversation with the resident.
Conversation with the nurse. Ergonomic-phone hangs up without audible busy tones. ←	Nurse controls the conversation via numeric keys: ④ Listening in: nurse hears. ⑤ Hands-free: listening & speaking. ⑥ Announcement: nurse speaks. ⑧ Nurse finishes the call.



Navigating the conversation

If the connection quality is insufficient in the hands-free mode, a „two-way communication“ is helpful.

Accepting the call

When the person seeking help hears the voice of the emergency call recipient, it is possible that the handset is picked-up from force of habit. In this case, the telephone automatically switches to handset-mode.

Alerting „Emergency call“

5.2 Illumination of the emergency call key of the phone

Type of illumination	Explanation
Unilluminated	Alert function is switched off
Lights in a constantly weak red	Alert function is switched on
Lights in a consistently strong red	Emergency call numbers are dialled
Flashes in a consistently strong red	Pause between two cycles

5.3 Programming and testing the emergency call function

First, the basic settings in chapter 4 „Alert function“ are to be programmed:

Run. No.	Basic settings „Alert function“	Page
1	4.5.1 Switching on the alert function (factory pre-set: switched on)	17
2	4.5.2 Determining and storing alert call numbers	18
3	4.5.3 Setting alert parameters	19

After this, program and test the emergency call:

Run. No.	Setting and testing the emergency call function	Page
4	5.3.1 Assigning alert call number(s)	22
5	5.3.2 Setting the emergency call announcement	24
6	5.3.3 Testing the emergency call	26

5.3.1 Assigning alert call number(s) to the emergency call key

The alert call numbers can be assigned to the call trigger „emergency call key“,

Establishing the settings:

ATTENTION In the following procedure it is not the call number itself which is allocated but instead the memory location in which the number is stored (see table on the page 18).
Example: If you want to assign the first 3 numbers, so enter

Alerting „Emergency call“

123. If an emergency call is triggered, the numbers are dialled chosen in order of entries.



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Call trigger“ > **Ok**.



„Emerg. call key > **Ok**.



Enter assignment (memory location(s) of the call number(s) for example 123 for the call numbers of the first three locations) > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the memory location(s), you can delete the last location with **←** and enter new locations via the digit-keys. You can delete all locations with **Delete**.

5.3.2 Emergency call announcement

You can use the default emergency call announcement or replace it with a personal recorded announcement.

Listening standard-emergency call announcement



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Announcements > **Ok**.



„Listen announcem.“ > **Ok** > „Emerg. Announc.“ > **Ok**.
„Announc. playing“.

Alerting „Emergency call“



Select further settings or press and hold **Back** to return to standby mode.

Recording personal emergency call announcement

You need a commercially available SD card (FAT16 format) to record your personal announcement.

Remove the cap of the SD card compartement. Push the SD card into the slot until it locks (see the commissioning instructions).

This announcement should be kept short (you have 15 seconds to record). In addition, it should include the information that the call has to be accepted via the key 5.



Lift the handset.



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Announcements“ > **Ok**.



Press **↓↑** to select „Record announc.“ > **Ok**.



„Start recording“ > **Ok**.



Speak into the handset. The recording time is counted right in the display.



Press „Stopp“, if you have finished the announcement. The recording is stored.



Select further settings or press and hold **Back** to return to standby mode.



Replace the handset.



Taking out the SD-card after recording

Take the SD card out of the phone after recording, as it can cause malfunctions otherwise. The recording will be written

Alerting „Emergency call“

directly into the phone software and can be used as an emergency announcement.

Listening personal emergency call announcement



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Announcements“ > **Ok**.



„Listen announcem.“ > **Ok**.



Press **↓↑** to select „Personal annouc.“ > **Ok**.
„Announc. playing “.



Select further settings or press and hold **Back** to return to standby mode.



Re-activate standard emergency call announcement

If you want to use the standard announcement instead of the personal announcement, delete the personal announcement. The standard announcement is then adjusted automatically.

Deleting the personal emergency call announcement



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Announcements“ > **Ok**.



Press **↓↑** to select „Delete announc.“ > **Ok**.
The announcement is deleted.



Select further settings or press and hold **Back** to return to standby mode.

5.3.3 Testing the emergency call

After completing the settings 1-5, test the emergency call by triggering emergency calls via the emergency call key on the phone and if necessary via connected switches.

Verify if acceptance, handling and ending of the emergency calls function properly.

Alerting „Radio emergency call“

6 Alerting „Radio emergency call“

Variant „L-Phone II-f“ only.

Via radio transmitters emergency calls can be sent to programmed call numbers.

6.1 Emergency call process

The example in section 5.1 applies in principle to the radio emergency call. The numbers assigned to the radio transmitters are dialled.

6.2 Emergency call announcement

Section 5.3.2 applies equally to the radio emergency call.

6.3 Radio emergency call via transmitter - general information

The radio system operates within the frequency band 869.2 MHz (European social alarm frequency). Thus, there will be no interference with radio devices which are assigned to other frequency bands.

Up to 19 radio transmitters can be registered at the phone.

One radio pendant is attached by the phone. In the section „Prepare radio pendant TRX“ of the commissioning instructions you can read, how to prepare the pendant for wearing on a bracelet or neck string.

6.4 Programming and testing the radio emergency call

First, the basic settings in chapter 4 „Alert function“ are to be programmed:

Run. No.	Basic settings „Alert function“	Page
1	4.5.1 Switching on the alert function (factory pre-set: switched on)	17
2	4.5.2 Determining and storing alert call numbers	18
3	4.5.3 Setting alert parameters	19

After this, program and test the radio emergency call:

Alerting „Radio emergency call“

Run. No.	Setting and testing the emergency call function	Page
4	5.3.2 Setting the emergency call announcement	24
5	Assigning alert call number(s):	
	6.4.1 - to the radio transmitter(s)	28
	6.4.2 - to the “open transmitter(s)”	30
6	6.4.3 Testing the radio emergency call	32

6.4.1 Assigning alert call number(s) to the radio transmitter(s) and registering the radio transmitter(s)

If you want to set up one or more radio transmitters (max. 19), you must assign one or more stored alert call numbers to one or more radio transmitters.

You can also assign the alert call number(s) that you have already assigned to the emergency call key on the phone. The assigning of numbers and the registering of the radio transmitter(s) is performed in one procedure. In addition to the radio pendant other original radio transmitters like radio smoke detectors or radio cord pull switches can be assigned.

ATTENTION Program and register the radio transmitter(s) only after having connected the telephone to the power supply system!

ATTENTION In the following procedure it is not the call number itself which is allocated but instead the memory location in which the number is stored (see table on the page 18).
Example: If you want to assign the first 3 numbers, so enter 123. If an emergency call is triggered, the numbers are dialled chosen in order of entries.



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Call trigger“ > **Ok**.

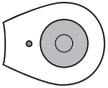


Press **↓↑** to select „Radio transm.“ > **Ok**.

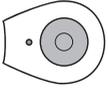


Press **↓↑** to select „Radio transm. 1 - 19“ > **Ok**.

Alerting „Radio emergency call“



Press the button of the transmitter (the bars on the left disappear in the display).



After 2 sec. press the button again (the bars on the right disappear in the display).



Enter assignment (memory location(s) of the call number(s)) for example 123 for the call numbers of the first three locations > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the memory location(s), you can delete the last location with **←** and enter new locations via the digit-keys. You can delete all locations with **Delete**.

Assigning other kinds of transmitters

In the procedure described above, the radio pendant is an example of a radio transmitter. To assign a radio cord pull switch, pull the cord of the switch, instead of pressing the button of the pendant.

Internal radio emergency call

Memory location 0 triggers an internal radio emergency call. The telephone rings with a special ringing melody. The internal radio emergency call is useful, e. g. if a nurse is present in the house but not in the same room as the person seeking help.

Editing or deleting the assignment later

You can look at, edit or delete the call number assignment of a registered radio transmitter.

Alerting „Radio emergency call“

ATTENTION If you delete the call number assignment, the radio transmitter remains registered. But no emergency call numbers are sent after triggering an emergency call.

First, call up the registered radio transmitters (in this example, radio transmitter 1) within the procedure described above:

Press **↓↑** to select „Radio transm. 1“ > **Ok**.

The serial number of the transmitter appears in the display:
e.g. 040901070508.

Press **OK**. The assignment of the memory locations appears. You can delete each last location with **←** and enter new locations via the digit-keys. You can delete all locations with **Delete**.

Deregister radio transmitter(s)

First, call up the registered radio transmitters (in this example, radio transmitter 1) within the procedure described above:

Press **↓↑** to select „Radio transm. 1“ > **Ok**.

The serial number of the transmitter appears in the display:
e.g. 040901070508.

Press **Delete**. The radio transmitter ist deregistered. The assigned memory locations are also deleted.

6.4.2 Assigning call numbers which are dialled, if emergency calls are established from „open radio transmitters“ via the phone

If the function “Open radio transmitters” is activated on the phone, all radio transmitters located in the range of the receiver (in the phone) are able to send emergency calls to the phone.

The radio transmitters have to be original transmitters, which must not be registered at the phone.

Alerting „Radio emergency call“

Example: A phone with the active function „open radio transmitter“ is placed in the dining room of a dormitory. If a resident triggers an emergency call in the dining room via his pendant, the call is received by the phone. The phone accepts the call and automatically dials the numbers that are assigned to the function „open radio transmitters“.

ATTENTION In the following procedure it is not the call number itself which is allocated but instead the memory location in which the number is stored (see table on the page 18).

Example: If you want to assign the first 3 numbers, so enter 123. If an emergency call is triggered, the numbers are dialled chosen in order of entries.



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Call trigger“ > **Ok**.



Press **↓↑** to select „Open transm.“ > **Ok**.



„Activate“ appears in the display > **Ok**.



Enter assignment (memory location(s) of the call number(s) for example 123 for the call numbers of the first three locations) > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the memory location(s), you can delete the last location with **←** and enter new locations via the digit-keys. You can delete all locations with **Delete**.

The active function „open transmitters“ can be deleted by calling up the function and pressing **Delete**.

Alerting „Radio emergency call“

Limiting the range

You can limit the range of „open radio transmitters“. See section 15.3.1.

6.4.3 Testing the radio emergency call

After completing the settings 1-5, test the radio emergency call by triggering emergency calls via the registered radio transmitter(s).

Verify if acceptance, handling and ending of the emergency calls function properly.

We recommend to test the coverage of the transmitter(s). This is due to the fact that - depending on the type of building - the coverage may vary. For this purpose, you can program the internal radio emergency call as an example. If you have reliable information on the exact coverage, you can avoid malfunctions. The maximum coverage in buildings is about 30 meters, outdoors it is about 250 meters.

Alarming „Vital sign function“

7 Alarming „Vital sign function“

The vital sign function serves to monitor the presence and the activity of the user. The user has to press the daily key regularly at the agreed time in order to prevent the telephone from issuing an automatic emergency call.

7.1 Vital emergency call process

 <p>Resident is fallen and can not press the daily key at the agreed time. An automatic vital emergency call is triggered.</p> <p>➔</p>	 <p>Phone of the nurse rings</p>
<p>Ergonomic-phone switches to hands-free</p>	<p>Nurse picks up and hears the emergency announcement. She presses key 5 to accept the call. The announcement stops.</p>
<p>Conversation with the resident.</p>	<p>Conversation with the resident.</p>
 <p>Conversation with the nurse.</p> <p>Ergonomic-phone hangs up without audible busy tones. ←</p>	 <p>Nurse controls the conversation via numeric keys:</p> <ul style="list-style-type: none"> ④ Listening in: nurse hears. ⑤ Hands-free: listening & speaking. ⑥ Announcement: nurse speaks. ⑧ Nurse finishes the call.

Alarming „Vital sign function“

7.2 Description of the vital sign function

You can set a time interval (12 or 24 hours), in which the daily key must be pressed and the time at which the vital emergency call is sent if the daily key has not been pressed.

Example



The time interval is set to 24 hours and the time to 13:00 noon. 10 minutes before the expiration of the time, at 12:50, the phone sends reminder tones (the first 5 minutes every minute 1 tone, the second 5 minutes 3 tones every 10 seconds). The display shows „Daily message“. If the person presses the daily key before 13:00 noon, so the vital emergency call is not triggered. The next day the reminder sound begin again at 12:50.

ATTENTION If the person presses the daily key always shortly before 13:00 noon, so it is ensured that the person within 24 hours has been active at least once. In principle, the daily key can be pressed within the 24-hour interval at any one time. If the daily key is pressed shortly before 13:00 noon and then shortly after 13:00 noon, a vital emergency call is prevented, but the activity of the person is not monitored for 48 hours in the worst case.

If the resident leaves for one or more days the flat, he can log out via the „Log-in/out vital key“. The vital time stops and no reminder tones are sent. If the resident is back in the flat, he logs in via the „Log-in/out vital key“. The vital function is reactivated.

7.3 Programming and testing the vital sign function

First, the basic settings in chapter 4 „Alert function“ are to be programmed:

Alarming „Vital sign function“

Run. No.	Basic settings „Alert function“	Page
1	4.5.1 Switching on the alert function (factory pre-set: switched on)	17
2	4.5.2 Determining and storing alert call numbers	18
3	4.5.3 Setting alert parameters	19

After this, program and test the vital sign function:

Run. No.	Setting and testing the vital sign function	Page
4	5.3.2 Setting the emergency call announcement	24
5	7.3.1 Assigning alert call number(s) to the vital sign function	35
6	7.3.2 Setting date and time	36
7	7.3.3 Activating the vital sign function and setting the time (interval and time)	36
8	7.3.4 Programming daily key and log-in/out key	37
9	7.3.5 Testing the vital sign function	38

7.3.1 Assigning alert call number(s) to the vital sign function

ATTENTION In the following procedure it is not the call number itself which is allocated but instead the memory location in which the number is stored (see table on the page 18).

Example: If you want to assign the numbers 1 and 2, so enter 12. If an emergency call is triggered, the numbers are dialled chosen in order of entries.



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Call trigger“ > **Ok**.



Press **↓↑** to select „Vital emerg call“ > **Ok**.

Alarming „Vital sign function“



Enter assignment (memory location(s) of the call number(s)), for example 12 for the call numbers of the first two locations > **Ok**.

Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the memory location(s), you can delete the last location with  and enter new locations via the digit-keys. You can delete all locations with **Delete**.

7.3.2 Setting date and time

The time indication of the phone can be inaccurate in the long run, depending on the connection. Correct the time in these cases by setting the time again. See section 15.1.

7.3.3 Activating/deactivating of the vital sign function and setting the time

Open **Menu** > press   to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.

Press   to select „vital sign function“ > **Ok**.

Press   to select „On“ > **Ok**.

„Vital sign function“ > **Ok**.

Press   to select „Vital time“ > **Ok**.

Press   to select the interval: 12 hours or 24 hours > **Ok**.



Enter the time (hh:mm) via the digit keys > **Ok**.

Select further settings or press and hold **Back** to return to standby mode.

Alarming „Vital sign function“



Correcting/deactivating

- When entering the time, use the arrow keys ← and → to move the cursor to the left or to the right.
- To deactivate the vital sign function, select the „Off“ option within the procedure.

7.3.4 Setting the daily key and the log-in/out vital key

The function of the „log-in/out key“ and the „daily key“ can be assigned to each speed dialling key. Label the plates lying next to the keys with „Log-in/out vital“ and „Daily key“. The two keys are no longer available for speed dialling.

Setting options:

Log in/out vital The vital time will be stopped and started via the „Log in/out vital key“.

Daily key The monitored person has to press the daily key regularly at the agreed time in order to prevent the telephone from issuing an automatic emergency call.

Establishing the settings:



Open **Menu** > press ↓↑ to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**



Press ↓↑ to select „Basic settings“ > **Ok**.



Press ↓↑ to select „Function keys“ > **Ok**.



Press ↓↑ to select „Function keys 1-7“ > **Ok**.



Press ↓↑ to establish the setting (see above) > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.

7.3.5 Testing the vital sign function

Press the daily key when the reminder tones are heard. „Daily message Ok“ appears in the display. No vital emergency call is triggered.

If you do not press the daily key during the time of the reminder tones, so the automatic vital emergency call is sent.

Press the „Log in/out vital key“ for log out when the reminder tones are heard. The vital timer stops. The timer starts again when the „Log in/out vital key“ is pressed again (for log in).

Alerting „Fault message“

8 Alerting „Fault message“

8.1 Display of faults

Faults are monitored via the phone. The fault message is shown optically and acoustically.

In addition, the fault messages can be sent to one or more programmed call number(s).

Problem	Display/warning tones	Fault message call
Power supply has failed.	 <p>Warning tone¹ (length approx. 1 sec.) per minute, max. 15 minutes. The red LED² flashes.</p>	If the network connection is not restored within 15 minutes, so an automatic call is made to a call number (if set).
The connection to the telephone network is disturbed.	 <p>Warning tone¹ (length approx. 1 sec.) per half a minute, max. 1 1/2 minutes long. The red LED² flashes.</p>	Message can not be sent.
Battery pack of the phone has not been inserted or must be replaced.	 <p> Battery icon appears in the display. The red LED² flashes.</p>	An automatic call is made to a call number (if set).
Battery of the radio pendant is almost empty.	 <p> Icon of the pendant's battery appears in the display. The red LED² flashes.</p>	An automatic call is made to a call number (if set).
Radio pendant defective or out of range.	 <p> Warning triangle appears in the display. The red LED² flashes.</p>	An automatic call is made to a call number (if set).

Alerting „Fault message“

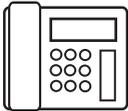
- 1) The warning tones only will be heard if it is turned on via the programming (see section 15.3). In the delivery status, the tones are switched on.
- 2) The red LED is located to the left of the star key. It flashes only if it is turned on via the programming (see section 15.3).



Fault monitoring of the radio transmitters

All 4-8 hours the registered radio transmitter automatically send a daily message to the phone. If this message do not come in within 48 hours, the fault message with a warning triangle appears in the phone display. The warning triangle stands for „radio transmitter defective or out of range“. This monitoring function can be switched off (see section 15.3).

8.2 Fault message call process



A fault is detected by the phone.
The phone automatically calls the technician. →

Ergonomic-phone hangs up without ←
audible busy tones.



Phone of the technician rings. He picks up the handset and hears the fault announcement.
He presses digit-key 5 to accept the call.
The announcement stops.

Technician presses digit-key 8 and hangs up.

8.3 Programming and testing a fault message call

First, the basic settings in chapter 4 „Alert function“ are to be programmed (if not already done):

Alerting „Fault message“

Run. No.	Basic settings „Alert function“	Page
1	4.5.1 Switching on the alert function (factory pre-set: switched on)	17
2	4.5.2 Determining and storing alert call numbers	18
3	4.5.3 Setting alert parameters	19

After this, program and test the fault message call:

Run. No.	Setting and testing the alerting „Fault message call“	Page
4	8.3.1 Assigning alert call number(s)	41
5	8.3.2 Listening fault announcement	42
6	8.3.3 Testing the fault message call	42

8.3.1 Assigning alert call number(s)

Assign the desired alert call-number(s) to the call trigger „Fault message call“.

ATTENTION In the following procedure it is not the call number itself which is allocated but instead the memory location in which the number is stored (see table on the page 18).

Example: If you want to assign the number 4 and 5, so enter 45. If a fault message call is triggered, the numbers are dialled chosen in order of entries.



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Call trigger“ > **Ok**.



Press **↓↑** to select „Fault message“ > **Ok**.



Enter assignment (memory location(s) of the call number(s)) for example, 45 for the call numbers of the locations 4 and 5 > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.

Alerting „Fault message“



Editing/Deleting

While entering the memory location(s), you can delete the last location with  and enter new locations via the digits. You can delete all locations with **Delete**.

8.3.2 Listening fault announcement

The fault message is fixed. You can not replace it by a personal announcement. Meet the announcement by listen first.



Open **Menu** > press   to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press   to select „Announcements“ > **Ok**.



„Listen announcem.“ > **Ok** >



Press   to select „Fault announcem.“ > **Ok**. „Announc. playing“.



Select further settings or press and hold **Back** to return to standby mode.

8.3.3 Testing the fault message and the fault message call

Disconnect the power supply unit. The fault message is displayed, and the fault message call is sent after 15 minutes.

8.4 Display of fault message on the phone

The technician can read the fault message under the menu item „Information“ on the phone.



Open **Menu** > press   to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press   to select „Service“ > **Ok** > „Information“ > **Ok**.

Alerting „Fault message“

Have a look on the list.



Select further settings or press and hold **Back** to return to standby mode.



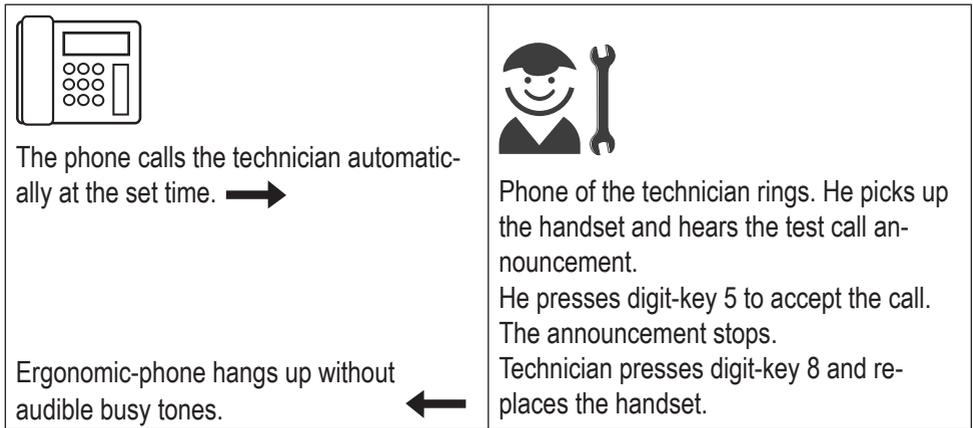
Duration of the fault message

In the phone display, the fault message will be shown until the fault is resolved. The red LED flashes until the fault in the „Service“> „Information“ menu has been inspected or the fault is eliminated.

9 Alerting „Test call“

For the technical monitoring of the phone a test call at a programmable time can be made automatically. The test call number can be programmed. The recipient's phone must have the function of tone control (DTMF dialling).

9.1 Schematic process



9.2 Programming and testing the test call

First, the basic settings in chapter 4 „Alert function“ are to be programmed (if not already done):

Run. No.	Basic settings „Alert function“	Page
1	4.5.1 Switching on the alert function (factory pre-set: switched on)	17
2	4.5.2 Determining and storing alert call numbers	18
3	4.5.3 Setting alert parameters	19

After this, program and test the test call:

Alerting „Test call“

Run. No.	Setting and testing the alerting „Test call“	Page
4	9.2.1 Assigning alert call number(s)	45
5	9.2.2 Listening test call announcement	46
6	9.2.3 Switching the test call function on and setting the time	46
7	9.2.4 Testing the test call	47

9.2.1 Assigning alert call number(s)

Assign the desired alert call-number(s) to the call trigger „test call“.

ATTENTION In the following procedure it is not the call number itself which is allocated but instead the memory location in which the number is stored (see table on the page 18).

Example: If you want to assign the numbers 4 and 5, so enter 45. If the test call is triggered, the numbers are dialled chosen in order of entries.



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Call trigger“ > **Ok**.



Press **↓↑** to select „Test call“ > **Ok**.



Enter assignment (memory location(s) of the call number(s)), (for example, 45 for the call numbers of the locations 4 and 5) > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the memory location(s), you can delete the last location with **←** and enter new locations via the digit-keys. You can delete all locations with **Delete**.

9.2.2 Listening test call announcement

The test call message is fixed. You can not replace it by a personal announcement. Meet the announcement by listen first.

- Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.
-  Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.
- Press **↓↑** to select „Announcements“ > **Ok**.
- „Listen announcem.“ > **Ok** >
- Press **↓↑** to select „test announcem.“ > **Ok**.
„Announc. playing“.
- Select further settings or press and hold **Back** to return to standby mode.

9.2.3 Switching the test call function on/off and setting the time

You can set a time interval (12, 24, 48 or 72 hours). After the expiry of the interval, the test call is sent. You can set the starting time of the interval. Example: You set the interval time of 24 hours and the starting time 3 pm. Every day at 3 pm the test call is sent automatically.

- Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.
-  Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.
- Press **↓↑** to select „Test call“ > **Ok**.
- Press **↓↑** to select „On“ > **Ok**.
- „Test call“ > **Ok**.
- Press **↓↑** to select „Test call time“ > **Ok**.
- Press **↓↑** to select the interval: 12, 24, 48 or 72 hours > **Ok**.

Alerting „Test call“



Enter the time (hh:mm) via the digit-keys > **Ok**.

Select further settings or press and hold **Back** to return to standby mode.



Entering time

When entering the time, you can move the cursor via ← and → to the left or to the right.

Switching off

If you want to switch off the test call function, select the option „Off“ within the procedure.

9.2.4 Testing the test call

Check if the test call is automatically sent at the specified time.

Documentation of presence for the nursing staff

10 Logging in/out of the nursing staff

10.1 Description of the „log in/out function“

The nursing staff can log in and out at a server via a key at the phone.

Storing call number and special dial codes.

The call number to be automatically dialed after pressing the log in/out key has to be stored in the phone. One or more double-digit special dial codes can be attached to the number.

Special dial code	Explanation
-00-	Automatic hanging up the phone.
-07-	The log in/out data are sent as DTMF tones. Possible characters: 0-9, *, #. This are the data which are stored in the menu under „log in code“ and „log out code“.

Sending call number and special dial code

After key-pressing, the call number with the special dial code will be sent directly, if the phone is in idle state. If this is not the case, the phone waits with the dialling process until the idle state has returned.

After transmitting the data the line is disconnected if

- a busy tone is detected,
- a time-out is reached after 60 seconds,
- the special dial code „Automatically hanging up of the phone (-00-)“ is set.

The state „special dialling“ may be interrupted at any time by lifting and replacing the handset. A repetition of the special dialling does not take place.

Documentation of presence for the nursing staff

The log in and log out codes are max. 5 digits long and are stored in the phone. After pressing the log in/out key, the data is sent as a special dial code with the call number to the server.

Documentation of presence for the nursing staff

10.2 Programming the log in/out function

The following programming procedures are necessary:

Settings „Log in/out of the nursing staff“	Page
10.2.1 Storing call number and special dial code	49
10.2.2 Storing log in/out code	50
10.2.3 Determining „log in/out care key“	51

10.2.1 Storing call number and special dial code

You can store the following data within one procedure:

- Call number (characters 0-9, #,*,P). A dialling pause can be added via the lower speed dialling key.
- One or more double digit special dial code(s).
- After entering the special dial codes further dial digits can be added.



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press **↓↑** to select „Log in-out care“ > **Ok**.



Press **↓↑** to select „Call number“ > **Ok**.



Enter call number

123P
Ok Delete Back



Press speed dialling key 1 (upper key).
Code format will be inserted.

123P- -
Ok Delete ← Back



Enter special dialling code (see table on page 48)

123P-07-
Ok Delete ← Back



After entering all data > **Ok**.

Documentation of presence for the nursing staff



Select further settings or press and hold **Back** to return to standby mode.



Editing/deleting/dialling pauses

- While entering the number, you can delete the last digit with  or delete the entire number with **Delete**.
- You can enter dialling pauses via the lower speed dialling key.

10.2.2 Storing log in/out codes

Setting options:

Log in code

The max. 5-digit code defines a log-in. It must be stored in the phone.

Log out code

The max. 5-digit code defines a log-out. It must be stored in the phone.

Establishing the settings:



Open **Menu** > press   to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok** > „Alerts“ > **Ok**.



Press   to select „Log in-out care“ > **Ok**.



Press   to select „Log in or log out code“ > **Ok**.



Enter the code > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.



Editing/deleting

- While entering the number, you can delete the last digit with  or delete the entire number with **Delete**.

10.2.3 Determining „log in/out care key“

One of the 7 speed dialling keys must be defined as a „log in and out care key“ for the nursing staff. Perform the programming in chapter „15.4 Assigning speed dialling keys with other functions“.

10.3 Using the „log in/out care key“

Press the log in/out care key. „Logged in“ appears in the display. This information is transmitted to the server.

Press the log in/out care key. „Logged out“ appears in the display. This information is transmitted to the server.

Talkback mode (Auto answer mode)

11 Talkback mode (Auto answer mode)

If the ergonomic phone of the person seeking help is switched to talkback mode, the phone rings once after it is called and switches to listening mode or hands-free mode without having to be operated by the person seeking help. This function is also known as „Auto answer mode“.

The talkback mode can be set in one of three different types: „via number of rings“, „via CLIP number“ and „via special call“. The types exclude themselves mutually.

11.1 Talkback mode via number of rings

11.1.1 Schematic process

 Nurse calls the resident. →	 Phone rings one time and seizes the line.
Nurse hears at her phone, that the line is seized. She enters the talkback-PIN (e.g. 1111). →	Phone switches to listening-in mode.
Nurse navigates the conversation via numeric keys: <ul style="list-style-type: none">④ Listening in: nurse hears.⑤ Hands-free: listening & speaking.⑥ Announcement: nurse speaks.⑧ Nurse finishes the call. → Ergonomic-phone hangs up without audible busy tones.	

Talkback mode (Auto answer mode)

11.1.2 Description

The phone of the caller must have the function of tone control (DTMF dialing).

The telephone in the room to be monitored rings once in factory pre-set and after the talkback PIN has been entered switches into listening-in mode. The caller can listen-in the room and afterwards navigate the conversation (hands-free mode, intercom, finishing the call).



Silent monitoring

If you wish to have a „silent monitoring“ without an earlier ringing signal, you just need to deactivate the ringing signal. When using the „silent monitoring“, please observe the Data Protection Law.

11.1.3 Programming and testing „Talkback mode via no. of rings“

You can program and test the function in the following way:

Programming and testing „Talkback mode via number of rings“	Page
11.1.3.1 Activating the „Talkback mode via number of rings“	53
11.1.3.2 Determining Talkback-PIN	54
11.1.3.3 Programming number of rings	54
11.1.3.4 Testing the function „Talkback via number of rings“	55

11.1.3.1 Activating the „Talkback mode via number of rings“



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press **↓↑** to select „Talkback“ > **Ok** > „Talkback mode“ > **Ok**.



Press **↓↑** to select „Via no. of rings“ > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.

Talkback mode (Auto answer mode)

11.1.3.2 Determining talkback-PIN

In factory pre-set, the 4-digit talkback-PIN is 0000. You can change the PIN by entering other digits.

- Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.
-  Enter 4-digit PIN > **Ok**.
- Press **↓↑** to select „Talkback“ > **Ok**.
- Press **↓↑** to select „Talkback-PIN“ > **Ok**
-  Enter Talkback-PIN twice one after the other > **Ok**.
- Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the Talkback-PIN, you can delete each last digit with **←** and enter new digits via the digit-keys. You can delete the PIN with **Delete**.

11.1.3.3 Programming number of rings

In factory pre-set, the telephone in the room to be monitored rings once.

For special applications it can be useful to allow the telephone in the room to ring several times (for example, this allows a normal call to be accepted, although the telephone is in auto answer mode). You can set the number of rings (1-9) using the following programming.

- Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.
-  Enter 4-digit PIN > **Ok**.
- Press **↓↑** to select „Talkback“ > **Ok**.
- Press **↓↑** to select „Via no. of rings“ > **Ok**.

Talkback mode (Auto answer mode)



Enter the number of rings (1-9) via the digit-keys > **Ok**.



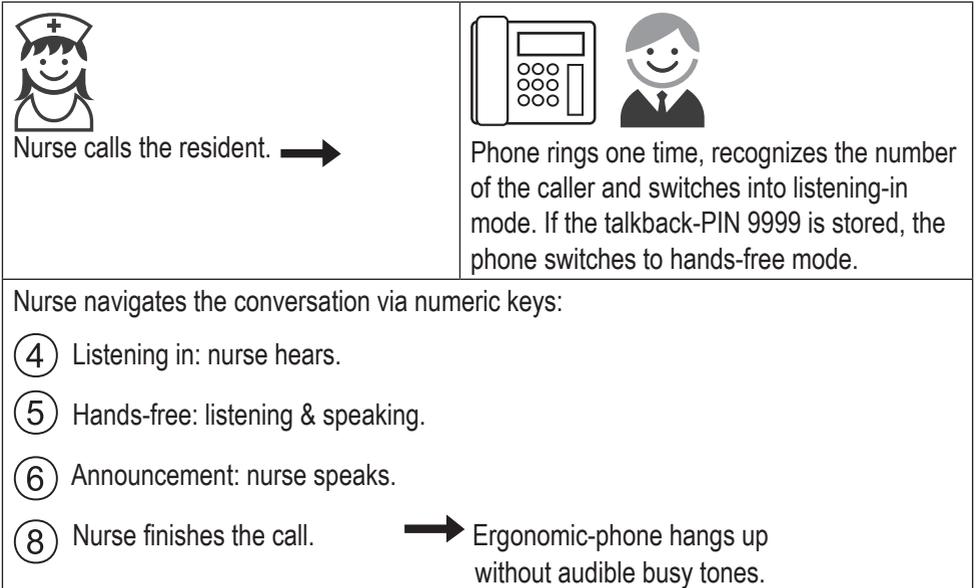
Select further settings or press and hold **Back** to return to standby mode.

11.1.3.4 Testing the function „Talkback mode via number of rings“

Call the ergonomic phone. It should ring and seize the line. Enter the talkback-PIN on your phone. The ergonomic telephone switches to listening-in mode. Navigate the conversation with the numeric keys.

11.2 Talkback mode via CLIP number

11.2.1 Schematic process



11.2.2 Description

The phone of the caller must have the function of tone control (DTMF dialing).

Talkback mode (Auto answer mode)

The feature „transmission of the caller’s telephone number“ is also known as „CLIP“ (Connected Line Identification Presentation). If the nurse calls the ergonomic phone of the resident, the ergonomic phone rings once and compares the incoming number with the CLIP numbers which are stored for the „Talkback mode“ in the phone. If the number is recognized, the phone automatically switches to listening-in mode.

If the talkback-PIN 9999 is stored, the ergonomic phone switches to hands-free mode. The nurse can navigate the call via numeric keys (hands-free mode, intercom, finishing the call).



Silent monitoring

If you wish to have a „silent monitoring“ without an earlier ringing signal, you just need to deactivate the ringing signal. When using the „silent monitoring“, please observe the Data Protection Law.

11.2.3 Programming and testing „Talkback mode via CLIP numbers“

You can program and test the function in the following way:

Programming an testing „Talkback mode via CLIP numbers“	Page
11.2.3.1 Activating „Talkback mode via CLIP-No.“	56
11.2.3.2 Storing CLIP-number(s)	57
11.2.3.3 Determining talkback-PIN	57
11.2.3.4 Testing „Talkback mode via CLIP numbers“	57

11.2.3.1 Activating „Talkback mode via CLIP-No.“



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press **↓↑** to select „Talkback“ > **Ok** > „Talkback mode“ > **Ok**.



Press **↓↑** to select „Via CLIP number > **Ok**.

Talkback mode (Auto answer mode)

Select further settings or press and hold **Back** to return to standby mode.

11.2.3.2 Storing CLIP number(s)

Up to 5 CLIP numbers can be stored (each max. 20 digits).

Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.

 Enter 4-digit PIN > **Ok**.

Press **↓↑** to select „Talkback“ > **Ok**.

Press **↓↑** to select „Via CLIP number“ > **Ok**.

Press **↓↑** to select „CLIP number 1-5“ > **Ok**.

 Enter the number > **Ok**.

Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the number, you can delete each last digit with **←** and enter new digits via the digit-keys. You can delete the whole number with **Delete**.

11.2.3.3 Determining Talkback-PIN

See section 11.1.3.2.

11.2.3.4 Testing „Talkback mode via CLIP numbers“

Call the ergonomic phone. It should ring once and switch into listening-in or hands-free mode.

Talkback mode (Auto answer mode)

11.3 Talkback mode via special call

The special call originates from a telecommunications system and consists of at least 4 rings within 4 seconds. Following the special call, the telephone switches to hands-free mode.

The phone of the caller must have the function of tone control (DTMF dialing).

The nurse can navigate the call via numeric keys (hands-free mode, intercom, finishing the call). See page 55.

11.3.1 Activating „Talkback mode via special call“

Select the „Talkback mode via special call“ within the procedure, which is described in the section „11.2.3.1 Activating „Talkback mode via CLIP-No.“.

11.3.2 Testing „Talkback mode via special call“

Call the ergonomic phone. After the special call it should switch into handsfree-mode.

11.4 Deactivating Talkback-mode

Select the „Talkback mode off“ within the procedure, which is described in the section „11.2.3.1 Activating „Talkback mode via CLIP-No.“.

12 Dialling restrictions

You can restrict the outgoing dialling by 5 different restriction types.



Call numbers, which can be dialled always

Alert call numbers and exception call numbers (e.g. for police/fire-brigade) in principle always can be dialled, if any restriction type is set.

CAUTION



Store exception call numbers in order to reach somebody by telephone in urgent cases even if a dialling restriction is set. If you haven't stored exception call numbers when setting the dialling restriction, your phone remember you via a display message.

12.1 Selecting restriction types

Setting options:

No restriction

No dialling restriction is set.

Direct call

The outgoing call is restricted except one stored direct call number, which can be dialled after lifting the handset and pressing any key. It is necessary to store the direct call number (max. 20 digits).

Autom. direct call

The outgoing call is restricted except one stored direct call number, which can be dialled by lifting the handset. It is necessary to store the direct call number (max. 20 digits).

Restricted numbers

The dialling procedure is restricted for individual telephone numbers (e. g. a specific prefix number). You have to enter restricted numbers to use this function (max. 20 digits).

Full restriction

It is not possible to dial telephone numbers and to establish calls.

Dialling restrictions

Speed dialling keys can be used

Except for the speed dialling keys and the emergency call key, all other keys are restricted for outgoing calls.

Establishing the settings:

- Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.
-  Enter 4-digit PIN > **Ok**.
- Press **↓↑** to select „Dialling restriction“ > **Ok** > „Type restriction“ > **Ok**.
- Press **↓↑** to select the desired type restriction > **Ok**.
- Select further settings or press and hold **Back** to return to standby mode.

12.2 Storing restricted numbers

You can assign restricted numbers to 5 memory locations (1-5). The length of a restricted number is limited to 20 digits as a maximum. You can enter complete numbers or parts of numbers (for example, 0190).

- Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.
-  Enter 4-digit PIN > **Ok**.
- Press **↓↑** to select „Dialling restriction“ > **Ok**.
- Press **↓↑** to select „Restricted nos“ > **Ok**.
- Press **↓↑** to select „Restricted no. 1-5“ > **Ok**.
- Enter the number (20-digits max.)
- Select further settings or press and hold **Back** to return to standby mode.

Dialling restrictions



Editing/Deleting

While entering the number, you can delete each last digit with  and enter new digits via the digit-keys. You can delete the whole number with **Delete**.

12.3 Storing the direct call number

If you want to use the „Direct call“ or the „Automatic direct call“ you have to store a direct call number. The stored number applies to both restriction types.



Open **Menu** > press   to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press   to select „Dialling restriction“ > **Ok**.



Press   to select „Direct call no.“ > **Ok**.



Enter the number (20-digits max.)



Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

■ While entering the number, you can delete each last digit with  and enter new digits via the digit-keys. You can delete the whole number with **Delete**.

■ You can enter dialling pauses via the lower speed dialling key.

12.4 Storing exception call numbers

Exception call numbers can be, for example, the phone numbers for police and fire-brigade. They can always be dialled even if a dialling restriction is set.

Dialling restrictions

CAUTION



Store exception call numbers to be sure that someone can be reached by phone in urgent cases, even if a dialling restriction is set.



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press **↓↑** to select „Dialling restriction“ > **Ok**.



Press **↓↑** to select „Exception nos.“ > **Ok**.



Press **↓↑** to select „Exception no. 1-5“ > **Ok**.



Enter the number (20-digits max.)



Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the number, you can delete each last digit with **←** and enter new digits via the digit-keys. You can delete the whole number with **Delete**.

12.5 Dialling exception call numbers



Pick up the handset.



Enter the exception number via digit-keys.



Dialling an exception no. while „Automatic direct call“ is set

If the „Automatic direct call“ is set, the phone waits 3 seconds after the handset is lifted. After these 3 seconds, the stored number is dialed. If you want to dial an exception call number, press the numeric keys directly after lifting the handset.

List of released/restricted numbers for ringing signals

13 List of released/restricted numbers for ringing signals

You can store up to 9 call numbers in the list of released numbers for ringing signals. Then, your telephone will only ring if there is an incoming call from one of the stored numbers. All other incoming calls will only be indicated optically in the display.

In the list of restricted numbers for ringing signals up to 9 call numbers can be stored. Your telephone will not ring if there is an incoming call from one of the stored numbers.

This function can only be used if the caller's number is being transferred. You have either the option to activate the list of released numbers for ringing signals or the list of restricted numbers for ringing signals. If you set none of the two functions, the ringing signal works according to the standard.

13.1 Storing call numbers in the list of released numbers



Open **Menu** > press $\downarrow\uparrow$ to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press $\downarrow\uparrow$ to select „Tones & signals“ > **Ok**.



Press $\downarrow\uparrow$ to select „List ring releas.“ > **Ok**.



Press $\downarrow\uparrow$ to select „Ring releas. no. 1-9“ > **Ok**.



Enter the number (20-digits max.)



Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the number, you can delete each last digit with \leftarrow and enter new digits via the digit-keys. You can delete the whole number with **Delete**.

List of released/restricted numbers for ringing signals

13.2 Storing call numbers in the list of restricted numbers

Program the function within the procedure described under 13.1 and select „Ring list restr.“ instead of „Ring list releas“.

13.3 Activating the list

- Open **Menu** > press $\downarrow\uparrow$ to select „Menu release PIN“ > **Ok**.
-  Enter 4-digit PIN > **Ok**.
- Press $\downarrow\uparrow$ to select „Tones & signals“ > **Ok**.
- Press $\downarrow\uparrow$ to select „Ringer“ > **Ok**.
- Press $\downarrow\uparrow$ to select „List released“ or „List restricted.“ > **Ok**.
- Select further settings or press and hold **Back** to return to standby mode.



Setting the ringer

If one of the lists is set, the ringer can not be changed without entering the PIN. The display shows „Not allowed“.

14 Deleting the phonebook / Checking out

14.1 Deleting the phonebook

You can delete the complete phonebook.

- Open **Menu** > press **↓↑** to choose „Menu release PIN“ > **Ok**.
-  Enter 4-digit PIN > **Ok**.
- Press **↓↑** to choose „Fast dialling“ > **Ok**.
- Press **↓↑** to choose „Phonebook“ > **Ok**.
- Press **↓↑** to choose „Delete all“ > **Ok**.
- Select further settings or press and hold **Back** to return to standby mode.

14.2 Checking out

You can set all not PIN detected features with one keypress to the factory pre-set. The contents of the memories of the fast dialling menu (speed dialling, abbreviated dialling and phonebook) and the call list will be deleted.

- Press the 5. speed dialling key (from the top) and keep it pressed 5 seconds minimum.
- „Check out“ > **Ok**.

Basic settings

15 Basic settings

The menu „Basic settings“ comprises the setting of general, dialling and monitoring features. Furthermore speed dialling keys can be assigned to another function.

15.1 Setting general features

The factory pre-set (F) of each feature is indicated on the left side.

Setting options:

Language

F: German

The display messages can appear in the languages German, English, Dutch, French or Italian.

> Press   to select the language.

Date on/off

F: On

The date appears in stand-by mode if the feature is set on.

> Press   to set the date on or off.

Time on/off

F: On

The time appears in stand-by mode if the feature is set on.

> Press   to set the time on or off.

Setting date/time

> Enter DD.MM.YY hh:m.m.:s.s. via the digit-keys (Day.Month.Year, Hour:Minute:Second).

Time change

F: On

The time change „Summer Time/Winter Time“ will be considered if the function is set.

> Press   to set the feature on or off.

Movement detector on/off

F: On

The movement detector for the control of the illumination can be set on or off.

> Press   to set the detector on or off.

Basic settings

Illumination on/off

F: On

The illumination after key-press/pick up the handset can be set on or off.

> Press   to set the illumination on or off.

Caller-LED on/off

F: Off

A missed call is signalled via the Caller LED, if this feature is set on. On factory pre-set, the LED is off. Missed calls will be shown in the display only.

> Press   to switch the LED on or off.

Display contrast

F: 5

You can adjust the brightness of the display. The higher the number, the darker the display.

> Select the contrast via the digit-keys (0-9).

Change PIN

F: 0000

Important settings are protected against unauthorised or unintended changes by assigning a PIN. If you change the PIN, please make sure that you do not forget this code as it is used as an „access key“ to the programming level of your telephone.

> Enter the new PIN within the programming procedure twice.

Accept radio call on/off („L-Phone II-f“ variant only)

F: Off

If the function is set, an incoming telephone call can be accepted and finished via the radio pendant. After accepting the call, the phone switches to the handsfree-mode and after finishing the call the phone hangs up automatically. The radio pendant has to be registered to the phone. If several pendants are registered, the call acceptance can be done with the pendants located on the first 5 register places. The conversation can only be finished with the pendant with which the call was accepted.

Basic settings

> Press **↓↑** to set call acceptance on/off.

Headset operation on/off

F: Off

If you want to use a headset instead of the handset, you have to set the operation mode correspondingly. During the headset operation, the handset function („seize line“ by „picking up“ and „disconnect line“ by „replacing“) are taken over by the loudspeaker key.

> Press **↓↑** to set headset operation on/off.

Change CLIP mode

F: FSK

FSK-CLIP is set for german speaking countries. DTMF-CLIP will be used in other countries.

> Press **↓↑** to change CLIP-mode.

Infrared address

F: 1

You can assign different infrared addresses up to 4 telephones.

Establishing the settings:



Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press **↓↑** to select „Basic settings“ > **Ok** > „General“ > **Ok**.



Press **↓↑** to select the desired feature (see above) > **Ok**.



Establish setting via **↓↑** or digit keys > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.

Basic settings



Editing/Deleting

While entering the number, you can delete each last digit with ← and enter new digits via the digit-keys. You can delete the whole number with **Delete**.

15.2 Setting dialling features

The factory pre-set (F) of each feature is indicated on the left side.

Setting options:

Flash time

F: 90 ms

You can adjust the recall key for five flash periods of different lengths (see operating instruction of your PABX).

> Press ↓↑ to select the times 90, 260, 110, 130, 300 msec.

One speed dialling key must be defined for the recall key (see section 15.4).

Line access code

In the case of some private branch exchanges, it is necessary to insert a dialling pause after the access code. The access code determines after which digit the dialling pause takes place.

You can store a line access code up to 4 digits. (see operating instruction of your PBX).

If a line access code is stored, it must be set in front of the phone numbers, you want to enter into a memory (phonebook, speed dialling, abbreviated dialling).

> Enter the code via digit-keys.

PSIC Primary station identification code

If you operate a PBX as a secondary station, you can store a PSIC (4 digit maximum).

The PSI code determines after which digit the dialling pause takes place.

> Enter the code via digit-keys.

Basic settings

Dialling pause

F: 3 sec.

In the case of private branch exchanges, it is necessary to pre-dial an access code to get a dial tone. In some installations it is necessary to insert a dialling pause after the access code. The duration of pause can be set (1-9 seconds).

> Enter the pause duration via the digit-keys.

Carrier-No.

The stored carrier number is automatically added in front of all stored numbers.

> Enter the carrier-number via the digit-keys.

Establishing the settings:



Open **Menu** > press $\downarrow\uparrow$ to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press $\downarrow\uparrow$ to select „Basic settings“ > **Ok**.



Press $\downarrow\uparrow$ to select „Dialling“ > **Ok**.



Press $\downarrow\uparrow$ to select the desired feature (see above) > **Ok**.



Establish setting via $\downarrow\uparrow$ or digit keys > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.



Editing/Deleting

While entering the number, you can delete each last digit with \leftarrow and enter new digits via the digit-keys. You can delete the whole number with **Delete**.

15.3 Setting monitoring features

The factory pre-set (F) of each feature is indicated on the left side.

Basic settings

Setting options:

AC Adapter

F: On

The acoustic warning tone in case of a not connected AC adapter or a power failure can be turned off. The fault message still appears in the display. If the fault message call is set (see chapter 8), this feature remains active.

> Set the acoustic warning tone on/off.

Phone line

F: On

The acoustic warning tone in case of a disconnected or disturbed telephone line can be turned off. The fault message still appears in the display.

> Set the acoustic warning tone on/off.

Radio monitoring (L-Phone II-f variant)

F: On

All 4-8 hours, the radio pendant sends a daily message to the telephone. The monitoring display can be set off.

> Set the radio monitoring on/off.

Radio range

(L-Phone II-f variant)

You will find the description in chapter 15.3.1

Trigger timer

F: 0

If the engaged tone is not recognized, a conversation can be ended automatically after a certain time. The time (0-9 minutes) can be set as a fixed time. If a „0“ is entered the function is switched off.

> Enter the time via the digit-keys.

Fault-LED

F: Off

The red LED located to the left of the star key flashes if the phone line is disturbed. The LED can be switched on or off.

> Switch the LED on or off.

Establishing the settings:



Open **Menu** > press   to select „Menu release PIN“ > **Ok**.

Basic settings



Enter 4-digit PIN > **Ok**.



Press **↓↑** to select „Basic settings“ > **Ok**.



Press **↓↑** to select „Monitoring“ > **Ok**.



Press **↓↑** to select the desired feature (see above)
> **Ok**.



Establish setting via **↓↑** > **Ok**.

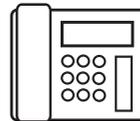


Select further settings or press and hold **Back** to return to standby mode.

15.3.1 Setting the radio range for „open radio transmitters“

Description

If you have set the function “Open radio transmitters” (see chapter 6.4.2), you can specify and determine the range for the „open radio transmitters“. We determine the maximum range of the transmitter with the value 9 and the minimum range with the value 0. In factory pre-set, all radio transmitters have the value 9.



9 8 7 6 5 4 3 2 1 0

A range reducing only applies for transmitters, which are not registered to the phone. Even after range reducing, a registered transmitter has the max. range with the value 9.

Example:

A phone with the active function „open radio transmitters“ is placed in the dining room of a dormitory. Only the emergency calls of the pendants, which are triggered inside of the dining room, should be sent to the phone. The radio range should be set so that it does not extend beyond the boundaries of the dining room.

Basic settings

Setting the radio range:



Open **Menu** > press $\downarrow\uparrow$ to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press $\downarrow\uparrow$ to select „Basic settings“ > **Ok**.

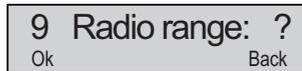


Press $\downarrow\uparrow$ to select „Monitoring“ > **Ok**.

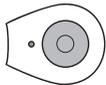


Press $\downarrow\uparrow$ to select „Radio range“ > **Ok**.

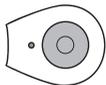
In the display appears:



The digit on the left shows the set radio range.



Trigger an emergency call with the (registered or not registered) pendant close to the phone. You hear the acceptance tone. Instead of the question mark the current range appears in the display.



Trigger emergency calls with the pendant in the border areas of the environment, where the range is to be reduced. The highest value is displayed right of the display and stays there, even if you measure meanwhile lower values.



Enter the highest value via the digit key > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.

15.4 Programming speed dialling keys with other functions

Setting options:

Speed dialling key The key is defined for speed dialling. On factory pre-set, all 7 speed dialling keys are set for speed dialling.

Basic settings

- Service key** The installer can define and enter a speed dialling number for the service key in the PIN protected menu. After pressing the service key this number is dialled. The user of the phone can not change the speed dialling number without entering the PIN. If he tries it, „Not allowed“ is shown in the display.
- Log in/out care** Only if the phone is connected to a server!
A caregiver can log in/out via the „log in/out care key“. See chapter 10.
- Log in/out vital** The vital time can be stopped and can be started via the key. See chapter 7.
- Daily key** The user has to press the daily key regularly at the agreed time in order to prevent the telephone from issuing an automatic emergency call.
See chapter 7.
- Recall-key** Telephone network functions like „enquiry call“ or „transfer of calls“ can be used in conjunction with the recall-key.

Establishing the settings:

- Open **Menu** > press **↓↑** to select „Menu release PIN“ > **Ok**.
-  Enter 4-digit PIN > **Ok**.
- Press **↓↑** to select „Basic settings“ > **Ok**.
- Press **↓↑** to select „Function keys“ > **Ok**.
- Press **↓↑** to select „Function key 1-7“ > **Ok**.
- Press **↓↑** to select the desired feature (see above) > **Ok**.

Basic settings



Select further settings or press and hold **Back** to return to standby mode.



Label the name plate

If you have programmed a speed dialling key with another function, label the field accordingly.

Dialling pause

While entering a call number into a memory, you can add dialling pauses via the lower speed dialling key. This is independent of the key function.

16 Service

The „Service“ menu include information about the software version, fault messages and reset options. Furthermore configurations from and to a card and software updates are possible.

Setting options:

Information

The software version of the phone is displayed. If fault information are present, they can be viewed. If the test call and/or the vital function are set, the remaining time til the next call is displayed.

Reset

If functions do not work correctly, the telephone can be restarted. All settings are retained.

Initial set

If you have frequently activated and deactivated different functions and now lost track of the settings, you can reset the phone. The entries of the memories are retained.

Delivery status

The phone is reset and all memory contents are deleted.

Device off

An unused telephone can turned off for a time of max. 3 days. First the phone must be disconnected from the mains. Via the programming „Device off“, the phone is set to a kind of sleep mode. The phone needs very little power from the battery pack.

Config. from card

The software parameters of a txt-configuration-file stored on a SD-card are transmitted to the phone's software.

Service

Config. to card The phone creates a txt-configuration-file on the card and writes the software parameters in this file.

Software-Update The firmware of a file stored on the SD-card is transferred to the phone.

Establishing the settings:



Open **Menu** > press $\downarrow\uparrow$ to select „Menu release PIN“ > **Ok**.



Enter 4-digit PIN > **Ok**.



Press $\downarrow\uparrow$ to select „Service“ > **Ok**.



Press $\downarrow\uparrow$ to select the desired feature (see above) > **Ok**.



Establish setting via $\downarrow\uparrow$ > **Ok**.



Select further settings or press and hold **Back** to return to standby mode.



Configuration of the phones via SD-card

Information referring the operation via SD-card you will find in the instructions for commissioning.

17 Appendix

17.1 Short troubleshooting guide

In most cases, you can detect error causes and resolve occurring problems or malfunctions by the following troubleshooting table.

Problem	Possible cause	Action
You do not hear a dialling tone after having picked up the handset.	Telephone connecting cable, handset cable, telephone socket.	Check all cable connections, check telephone access by using another telephone, contact telephone network provider.
If there is an incoming call, the telephone only rings once.	Function „Talkback mode“ is set.	Deactivate the function.
Display and key pad without illumination	Illumination is switched off.	Activate the function.
Incoming calls can not be accepted via the pendant („L-Phone II-f“ variant only)	The function is switched off.	Activate the function.
PIN code forgotten.		Contact your dealer or manufacturer.
Caller's telephone number is not being displayed, list of released numbers for ringing signals and list of restricted numbers for ringing signals without function.	The feature „CLIP“ (calling line identification presentation) is not possible with your telephone network provider or this function has not been released.	Contact your telephone network provider.
No ringing signal for incoming calls.	Ringing signal is deactivated.	Activate ringing signal.
Telephone always dials the same telephone number.	Direct call or automatic direct call is activated.	Deactivate direct call function.
Dialling process is interrupted.	Dialling restriction is active.	Deactivate dialling restriction.

Appendix

Problem	Possible cause	Action
No line or wrong line after dialling from the memory (e. g. speed dialling).	<ul style="list-style-type: none"> - Line access code is not entered - Access code is not stored in front of the number 	<ul style="list-style-type: none"> - Enter line access code, possibly program dialling pause - Store the access code in front of the number
Recall key without function.	<ul style="list-style-type: none"> - Flash time is not set correctly - R-key is not programmed 	<ul style="list-style-type: none"> - Change flash time - Program key
An alert call (emergency call, vital sign call, fault message call, test call) is not sent.	<ul style="list-style-type: none"> - Not all programming procedures are done - Another extension calls and the line is busy. - The phone line is disturbed - Another phone at the same port is switched in parallel - No power 	<ul style="list-style-type: none"> - Establish all settings and test the alert function. - The line must be free. - Contact your provider. - Disconnect the other phone. - Check if the power supply unit is connected - Check battery pack
Radio emergency call is not sent ("L-Phone II-f variant" only)	<ul style="list-style-type: none"> - Pendant is out of range - Battery of pendant is nearly empty - Interferences - Pendant is registered, but the memory location of the number is deleted 	<ul style="list-style-type: none"> - Go inside the range - Change battery - Check electrical devices nearby the phone/ pendant - Store the number(s) on the memory location(s).

17.2 What to do if the phone is damaged

Handle your phone carefully. Negligence may cause the warranty expires.

In the following cases, immediately disconnect the phone from the phone network and the power network.

WARNING



- Phone housing, connection cables and/or plugs are damaged. You could get in contact with current-carrying parts.
- After a lightning strike, the telephone or the power supply unit is damaged.
- Liquid has penetrate the phone. Components could be damaged.

Remove the battery pack by opening the tray and pulling off the plug.



Drying the phone

If liquid gets inside the phone, so let it drip off the device (possibly remove the rubber feet before). Blot the surface of the housing dry and leave the phone at least 72 hours at a dry, warm place (do not place the phone into the microwave or an oven!). Connect the phone in a dry state again.

17.3 Factory pre-set of important functions

Accept call vial radio pendant	Off
Alert function	On
Caller-LED	Off
CLIP-mode	FSK
Connection time	90 seconds
Date/Time	On
Dialling pause	3 seconds
Dialling restriction	No restriction
Display contrast	5
Emergency call announcement	Standard
End tone	On
Fault message-LED	Off

Appendix

Flash time	90 ms
Function keys	All speed dialling
Headset operation	Off
Illumination of display and keypad	On
Infrared address	1
Language	German
Monitoring telephone line	On
Movement detector for illumination	On
Number of cycles	9
Pause time after cycle	3 minutes
PIN	0000
Radio monitoring	On
Ringing indication via flashlight	On
Ringer	On
Ringer melody	3
Talkback-PIN	0000
Talkback (auto answer mode)	Off
Talkback: Number of rings	1
Test call	Off
Time change	On
Trigger timer	0
Vital sign function	Off
Volume high	On

17.4 Overview of stored telephone numbers

Key	Speed dialling number	Other function
1		
2		
3		
4		
5		
6		
7		

Appendix

Loc.	Abbreviated number	List of released numbers	List of restricted nos.
1			
2			
3			
4			
5			
6			
7			
8			
9			
0			

Loc.	Restricted numbers	Exception numbers	Direct call number
1			
2			
3			
4			
5			

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