



ADVANCED USER GUIDE

Phone for The Visually Impaired with Emergency Call and Fall Detection



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1 Overview

1.1 Description of the buttons



Call Button

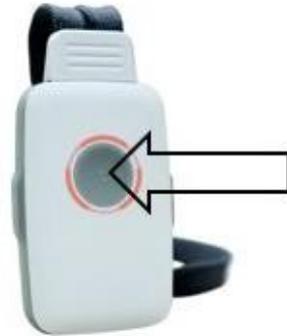
Long Press - Trigger Help Call

Short Press –

Hang Up

Incoming call terminate existing connection

Various functions according to voice assistant announcements



*press Call Button leads to
short RED LED and Vibration*

Side-Keys

Short Press In idle state: activate phone book.
 during a call: increase volume (booster)

press 3-times both simultaneously: switch OFF Device

⇒ Note: To turn ON the pendant place on the Charging Disk



Status LED

GREEN

1 flash per second- range and battery good



RED

1 flash per second-one or both functions beyond limit.

No connection to base station
Battery not sufficiently charged
(plus Pendant will beep every 20 seconds)



Ring LED

GREEN

solid
flashing

active telephone connection
incoming phone call



on charging disk

Red Solid

fully charged

YELLOW

solid
APP flashing

USB connection to PC
Registration in progress
Device fell to the ground



on charging disk

Yellow Solid

Battery sufficiently charged

RED

Solid
flashing

Telephone calling for help
Dialing telephone number



on charging disk

Red Solid

Battery not sufficiently charged
Smoke Alarm detected

1.2 General information

Language Assistant (maintaining this function requires connection to a PC)

When you setup the pendant, you also specify the language of the language assistant. It reads names from the phone book when you receive a call or when you want to call someone. It gives you valuable advice in various operational situations. In the event of a fall alarm, it will automatically call for you and speak your contact information.

Fall Detector

The pendant has state-of-the-art fall detection. This is activated at the factory and does not have to be set. In the event of a fall alarm, the call for help sequence is started automatically.

Smoke Alarm Detector

The Pendant detects the smoke alarm of all smoke detectors on the market. This function is activated at the factory and does not need to be set. In the event of a smoke alarm, the pendant will automatically call your emergency contact. The smoke alarm is Only activated automatically when Device is on the charging disc (usually at night or when you are not at home)

Manual Call for Help

Just press the button anytime you feel you need assistance, and it will automatically call your help list, until a active contact has been found.

Phone Book (maintaining this function requires connection to a PC)

Up to 100 contacts can be entered with numbers and names. There are 3 methods for dialing: Quick Dial, Standard Dial and Read Aloud. The phone book also generates "missed calls" and "caller list".

Reminder Function (maintaining this function requires connection to a PC)

Up to 5 time-controlled reminders (e.g., "*please take medication*") can be set.

Clock Function

The current time is announced at the push of a button. Time will get lost if both DECT Base and Pendant are switched off. Configure Time with PC APP or with Remote Configuration (see chapter 3.9.1)

Room Monitoring (maintaining this function requires connection to a PC)

You can define telephone numbers that force your pendant to immediately ANSWER when they call you.

2 Commissioning (maintaining this function requires connection to a PC)

2.1 Check package contents.

The packaging contains the following items:



2 Commissioning (maintaining this function requires connection to a PC)

2.2 The 3 steps of commissioning

- Step 1** Briefly **charge** Device: 10-30 minutes (use the charging disc for this)
Device switches on after a short time when it is placed on the charging disc. 
- Step 2** **Register** Device on your DECT base station
Switch the base station to registration mode and press the call button on Device
Then call from outside. The device rings and is ready for use. 
- Step 3** Load the **PC APP** (Internet: www.pcapp.net) and install it (execute SETUP)
PC APP is an understandable configuration program for telephone numbers etc. 

2.3 Set up the charging disc, charge Device, switch ON device

The charging disc works without contact. Charge Device by simply placing it on the disc.

As soon as Device is correctly placed, the disc lights up.

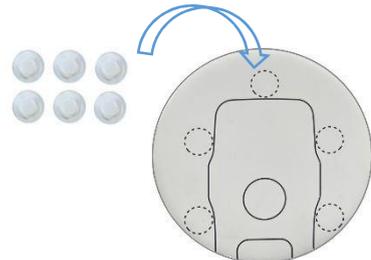


If device is off, it can be switched ON with charging disc.



2.3.1 Positioning aid on the loading disc

Self-adhesive, round rubber bumpons are included in the scope of delivery. They optionally serve as a positioning aid for Device on the loading disc. They also prevent Device from accidentally slipping on the charging disc.

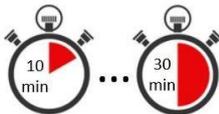


2.3.2 Switch on Device



*With the aid of charging disc, Device will be switched ON
Depending on the state of charge is the message.*

*" Battery is being charged " is announced a slight delay
In the case of deep discharge, it can take several minutes .*



Leave Device on the charging disc for 30 minutes.
Fully charged the standby time is 2.5 days.

During charging, Device gets a little warm.
It is absolutely normal.

2.3.3 Switch OFF Device

Pressing both side keys **3-times**: Device will be turned off.



You should only switch off Device in exceptional cases.



2 Commissioning (maintaining this function requires connection to a PC)

2.4.2 Check telephone connection.

Check the connection of Device with the base station and the telephone connection.

1. Call with your mobile phone
2. When Device rings, answer the call.
You are now connected and can talk to each other.



Since Device operates in handsfree mode, there may occur acoustic feedback (whistling sounds). Therefore, you should not call or communicate with Device in the same room. This is true also for Service Calls e.g., enter TIME with external call or testing Calls with the PC APP

Optionally you can use this calling phone number as 1st contact number. You will be asked about this by the voice assistant after hanging up:

»Save phone number? Press the call button. «

This phone number is stored in the 1st register in the 1st position and can already be used for outgoing calls. It just does not have a name yet. You can enter names later using the PC APP (download from www.pcapp.net)



This 1st contact number is also used to call for help, fall detected and smoke alarms, as long as you have not yet entered any other contacts with the PC APP.

2.4.3 Notes on BASE radio range

Inside buildings-the radio range (distance to the base station Device) is typically 98 – 165 feet. In the outside with no obstructions, the range can be 600-900 feet. If Device is also to cover the outside area, it is advisable to place the base station on the wall that is closest to the outside. If Device is outside of the base station's radio coverage for more than 5 minutes, the voice assistant will respond : "**Attention: Out of range.**"



Please note: If Device is not in range of the base station, it is not possible to setup phone connection. Consequently, Fall Detection alarms and Help Calls will not work!

3 Settings via PC app (maintaining this function requires connection to a PC)

3.1 Load the PC APP (configuration program for telephoning and more)



Please note: The PC APP is designed for computers with Windows Operating System. Microsoft

Your computer needs an internet connection. Open an Internet browser and enter the address.



www.PCAPP.net . This is the PC APP download page.



Device announces the URL for download location several times:

"Software download ... pcapp.net



This vocal information is available when the Pendant is removed from the charging disk or connected to the PC with a USB cable. Once the PC APP has been loaded and connected to the Pendant, this voice information is set. The Number of announcements is limited to a maximum of 5 times.

First select the language by clicking on the country flag. You choose the language of the configuration tool (PC APP) and the voice / language of the Voice Assistant of your Pendant. In addition, the manual and brief instructions are loaded onto your computer.

Download Center : www.PCAPP.net



Close any unnecessary programs on your computer, in order that Entry Boxes of the Download and Installation Programs are not inadvertently invisible.

Downloading will take several minutes because of the language libraries. Please be patient.



Depending on the WIN operating system and computer settings (e.g. virus scanner), several small queries follow, which you should confirm, as well as the license agreement .



It may happen that the Windows operating system will ask you to allow changes to your computer.

=> Confirm this with » YES «, otherwise the installation will be cancelled.

=> Do not worry, it is a standard query from the operating system

3 Settings via PC app (maintaining this function requires connection to a PC)

3.2 Install PC APP (configuration program for telephoning and more)

Go to the PC register in which you downloaded the PC APP.

This is usually the **Downloads** tab and drive C:

Start the installation with: **SETUP**

The installation begins and is carried out by your computer operating system.



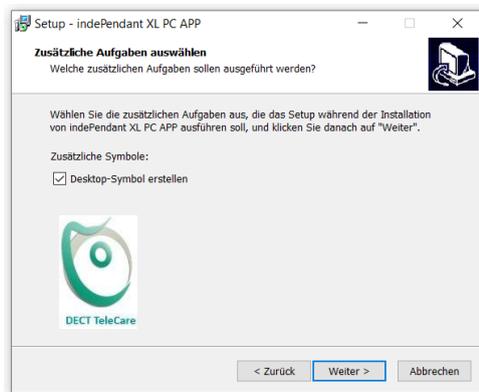
It may happen that the Windows operating system will ask you to allow changes to your computer.

=> Confirm this with » YES «, otherwise the installation will be cancelled.

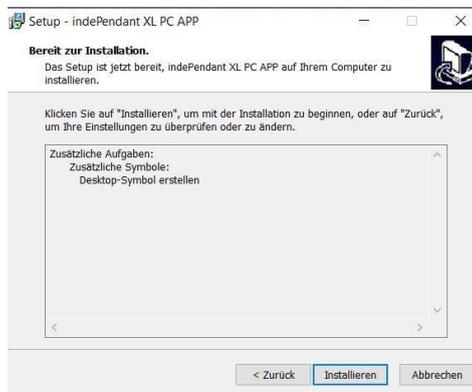
=> Do not worry, it is a standard query from the operating system

Installation steps:

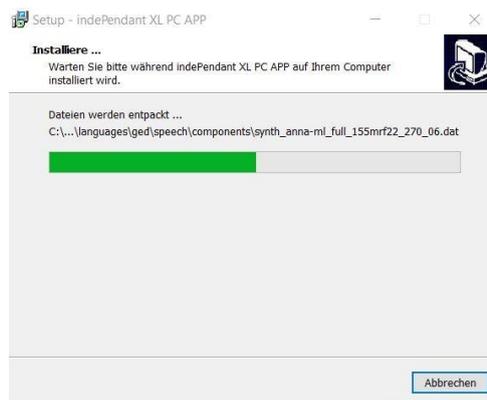
(Example: German pictures)



1 allow to setup a DECT Telecare ICON



2 give OK to Installation



3 Installation in progress (please wait)



4 Confirm Finalization

After a few minutes the PC app installed, and it became an icon created on the Desktop of your PC. The installation is now completed.



Now you have installed an easy-to-use phone number and name configuration utility. Go to the **Desktop** of your PC and open the PC APP with a double click on DECT Telecare icon.

The » PC APP «

Your personal configuration program.

With the PC APP you can make your personal settings for

- Personal data (name, location, access apartment)
- Phonebook for 100 entries (name + number)
- Call for help for manual, fall and smoke alarm.
- Reminders with appropriate notes
- Ring tones, volume, operating modes, ...



3.2.1 Important information for entering and saving data



*Always confirm each page with the **APPLY** button.*

Entered texts and names are converted into readable audio data and transferred to Device. This takes several minutes, depending on the amount of data. Please be patient.

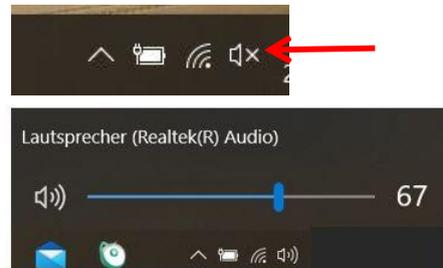
Texts and names are read out for your control. To do this, you may have to activate the PC loudspeaker and set it to "Loud".



If your PC doesn't read aloud when transmitting to Device, please disconnect Device from PC separately and check whether your PC has turned on your internal Audio loudspeaker.

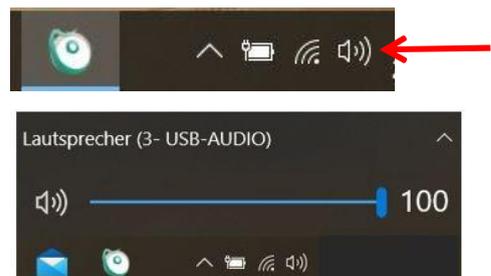
Check the application bar of your PC at the bottom right to see whether the internal loudspeaker is deactivated.

In this case you should activate PC loudspeaker and set it to wanted volume (example: 67)



If Device is connected with USB to the PC, you only see Audio setup of speaker for the connected USB Device (USB-Audio)

This setting is carried out automatically by the PC APP and cannot / does not have to be changed.



3 Settings via PC app

3.2.2 USB contact with Device manufacture

If there is no USB contact, you will see this display.

USB: Device not connected.

the PC APP remains on the start page.

Now connect Device to your PC
using the USB cable from the charging station!



Please note that not every USB cable is suitable. You need a USB cable with data lines, e.g. the enclosed cable for the charging disk. It cannot be lost when it is used on the loading disc.

Note: Pay attention to the polarity of the Micro-USB connector.

When changing between the charging disc and Device, you have to turn it.



When connecting Device to your PC for the first time, the operating system must configure the USB drivers for the transmitter. That takes a while. Please be patient.

Please note that Windows must configure USB Device driver for every USB connector of the PC. It is recommended to always use the same USB connector of your PC when connecting the Device. Otherwise, you must wait a few seconds till the USB driver has been configured.

When Device is connected to the PC, the first action is read the data from Device and compare it with the data on the PC APP.

The LED ring of Device now lights up YELLOW and you can see the correct connection at the bottom left:

Device connected to USB



If this message does not appear, unplug the USB cable and plug it in again



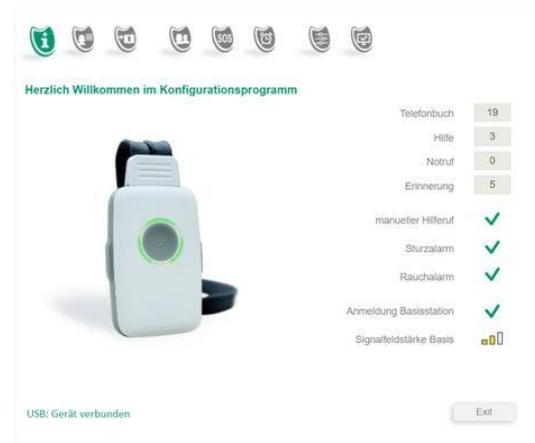
Now you can open the individual tabs and enter your personal data and contacts. Do this slowly and carefully, too. The information is usually self-explanatory. The transfer of the audio data to Device takes some time.



The PC APP is compatible with JAWS and NVDA (screen reader for blind people)



The picture opposite shows an example of a configuration carried out and the status of the registration to your DECT base station in small. the display of the signal field strength at the current location of Device



3 Settings via PC APP

2. 3 info page

The info page is only used as Overview of the current status of your settings. If no data has yet been entered, you will see the factory setting.

Calls for help, fall detection, smoke alarm detection, reminders and time are activated at the factory.

You can switch these functions ON/OFF via associated pages.

In addition, the signal strength with which the Device is currently receiving DECT base station is displayed in three levels.

A question mark  is displayed if.

- Device not registered to base station.
- Base station is switched off.
- Base station is out of range.



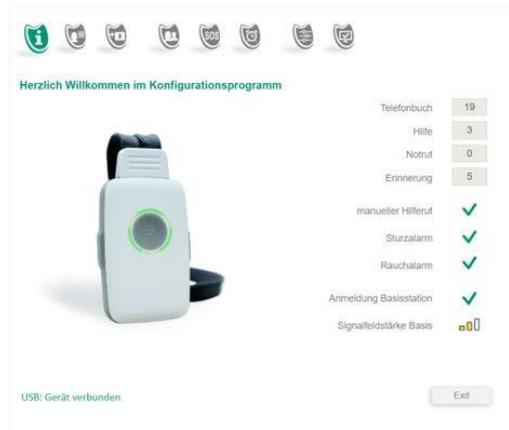
Please note that this is the signal strength of the base station that is valid at the current location of Device. It changes at different locations in the apartment. A range of 30-50 meters around the base station is typical.

You can make various functional settings, which the overview shows you:

Examples

Smoke alarm detection has been de-activated.

Device is used as a phone only
no safety functions are activated.



3 Settings via PC app



You have the following functions available:

- Telephone book with 10 registers with 10 contacts each. A total of 100 telephone contacts.
- SOS sequence consisting of 3 help numbers and an emergency number.
- The SOS sequence for manual call for help, fall alarm and smoke alarm
- Time and Reminders (time-controlled notes)

Fall Detection and Smoke Alarm Detection need not to be configured. They are immediately ready for use. Read the corresponding chapters in this manual.

Please note that it is difficult to simulate a "real" fall. Read the special information on fall detection below in these operating instructions or the downloadable essays on DPDM fall.



detection on the product page in the Internet.

Notes to test fall detection: While standing (1.2 meters), drop Device on the floor or throw it away a few meters. Device can distinguish whether the person has fallen or just the product. In case of products fall it announces "Ouch" and prompts twice to take the Device. In case you do not take the Device, it will trigger a help sequence.

The fall detection is ready for use.

3. Enter 4 personal data



The " **Personal Data** " include the name and place of residence and optional indications, such as possible access to the apartment in case of emergency.

A 4-digit number code can be specified for a key safe. We recommend the apartment key in a key - safe with combination lock next to the door to deposit. Such combination locks are available from numerous manufacturers. Change the code when it is used.

This " Personal Data " - like all the other data of the PC APP - only locally on Device and as a backup on the PC stored.

The screenshot shows the 'Persönliche Daten' (Personal Data) form in the PC app. The form contains the following fields and values:

Vorname	DOSCH
Nachname	AMAND
Straße	Neumarkterstr
Hausnummer	18
PLZ	81673
Stadt	München
Hinweise für Angerufenen	Schlüssel im Tresor
Code für Schlüsseltresor	1254

At the bottom of the form, there is a status indicator 'USB: Gerät verbunden', a blue 'Übernehmen' (Save) button, and a grey 'Exit' button.



Your " Personal Data " are applied in case of automatic calls (fall detected, smoke alarm).

The Voice Assistant (iVA) announces the reason for the call followed by reading these Personal Data: "This is a fall alarm at <Personal Data> ..."



Note: If calls for help are triggered manually, no iVA information is passed on. It is assumed that the person-in-concern is able to talk to the contact. An additional announcement by the iVA would only create confusion by parallel announcements.

3 Settings via PC APP

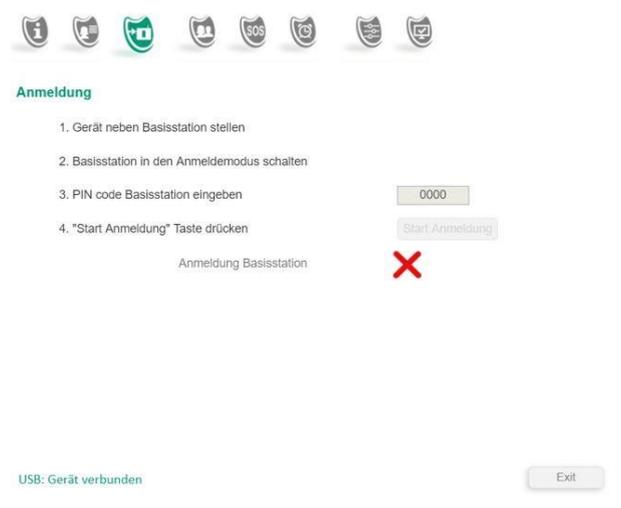


3. 5 Registration to DECT base station

The application using the PC app is only necessary if DECT base station does not support *easy subscription* with system PIN has "0000" (see section 2.3) or a DECT PBX system is used and requires a System PIN with more than 4 points.

Please read the operating manual for DECT base station.

1. Activate the registration mode of the base station. Make sure that DECT base stations only remain in registration mode for about 5 minutes. Device must be registered within this time. if necessary, activate registration mode again.
2. Enter the **system PIN** of the base station. This can be a number with up to 8 digits. With conventional DECT stations for private use it is usually 4 digits.
3. Click now on the button **Start Registration**



The registration process can take 10-20 seconds. If Registration fails, read chap. 5.1.2 Troubleshooting / Device can not be registered on the base station. or follow below instructions:

Error messages of the Voice Assistant

»Wrong PIN«

- ⇒ enter correct PIN
(Consult Base station operating manual)

»Base not in registration mode«

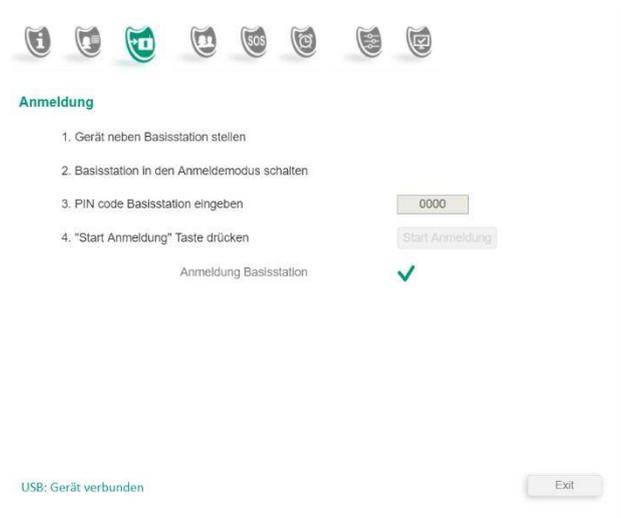
- ⇒ press Registration Button for DECT Base
(at least 5 seconds)

»No base found«

- ⇒ Place Device closer to the base station

»Please check base«

- ⇒ possibly too many DECT Telephones are already registered to the base station
typically max 5-6 including DECT Telecare
(Operating manual for the base station or web interface to log off the base station and not used DECT Devices)



3 Settings via PC APP

3.6 The phone book.



The phone numbers for "Family & Friends" will enable to stay in touch with family and friends, but also important contacts as medical services, transportation, eat & drink services, etc. The phone book can hold up to 100 personal contacts with Name and phone Number. These are saved on Device and as a data backup on your PC under the PCAPP. Only the names are announced for incoming and outgoing calls and make calling easier, even for the visually impaired. More in chapter 3.8 Telephoning

In order to facilitate entering contacts but especially finding a desired contact, the contact lists are divided into 10 telephone books (telephone registers), each with 10 telephone numbers and names. Use individual titles for each phone register e.g., family, friends, transport, food & drink, doctor, ...



It is recommended that 1. telephone register is used for most frequently used contacts. They will always be called first when you want to make a phone call. You will understand this better in chapter 3.8 TELEPHONE. This first tab could be called "Favorites" or "My Favorites", for example.

The order of the registers and the contacts should be based on the frequency of calls to these contacts. Up to 25-digit numbers can be entered.

Open the individual telephone registers.

open telephone registers

Name	Telefonnummer	Prüfen
INT1	#61	Prüfen
INT1	**610	Prüfen
INT2	**611	Prüfen
Name 4	Telefonnummer 4	Prüfen
Name 5	Telefonnummer 5	Prüfen
Name 6	Telefonnummer 6	Prüfen
Name 7	Telefonnummer 7	Prüfen
Name 8	Telefonnummer 8	Prüfen
Name 9	Telefonnummer 9	Prüfen
Name 10	Telefonnummer 10	Prüfen

Auswahl für Room Monitoring ↑

Zurück

USB: Gerät verbunden

USB: Gerät verbu

USB: Gerät verbu

USB: Gerät verbu

USB: Gerät verbunden



*Confirm each side with key **APPLY** and wait till data are transferred to Device (15-30 seconds)*



3.6 Phonebook

3.6.1 Telephone Registers

Beside these visible Registers
The Device is self-organizing
2 more registers

>Missed calls<

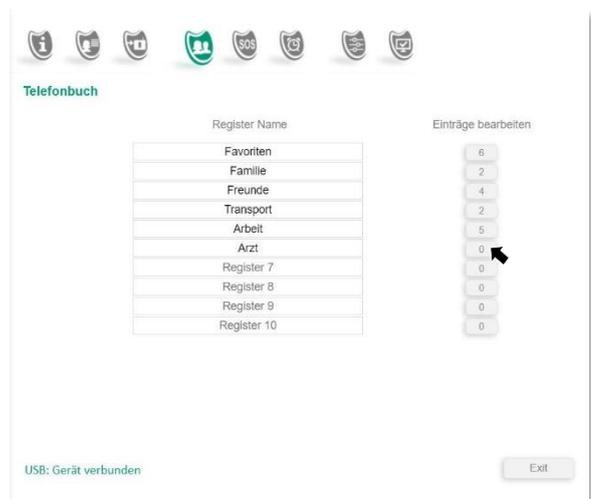
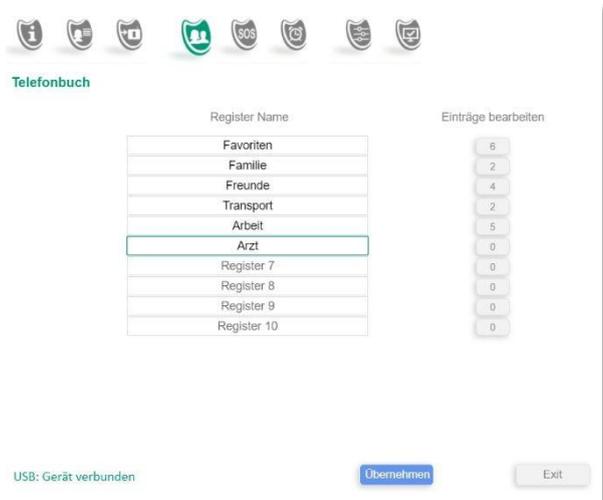
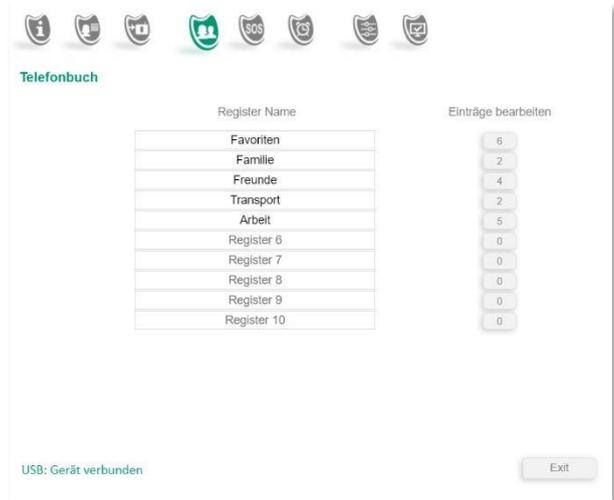
and

>Caller list<

These two registers are managed
independently by Device.

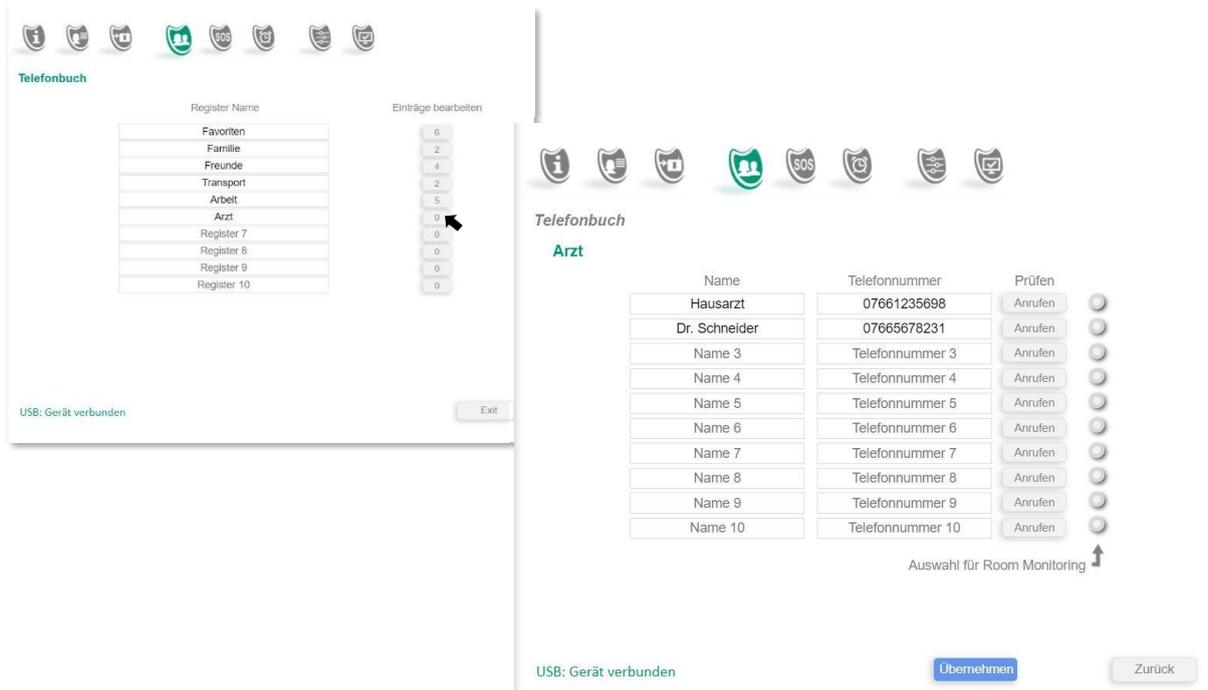
Right side button shows the current number of
entries in respective Telephone Registers

- ⇒ Open a Telephone Register
by Click on this button.
(See black arrow in lower picture)



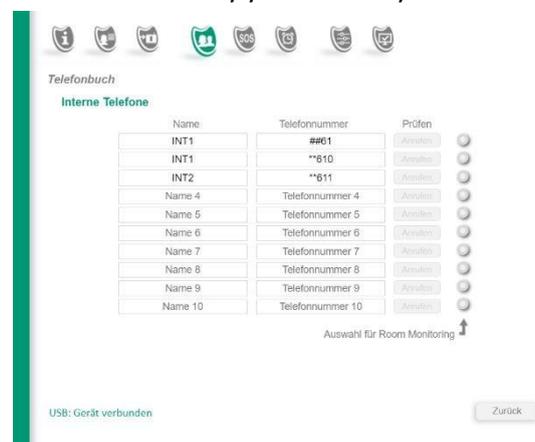
3.6 Phonebook

3.6.2 Enter telephone contacts.



The telephone numbers are entered in the same way as they would be dialed on a normal telephone. The device is connected to the fixed network via your DECT base station and telephonesystem.

Contacts for mobile phone **numbers** must always be entered the same way you would if you dialed them manually.

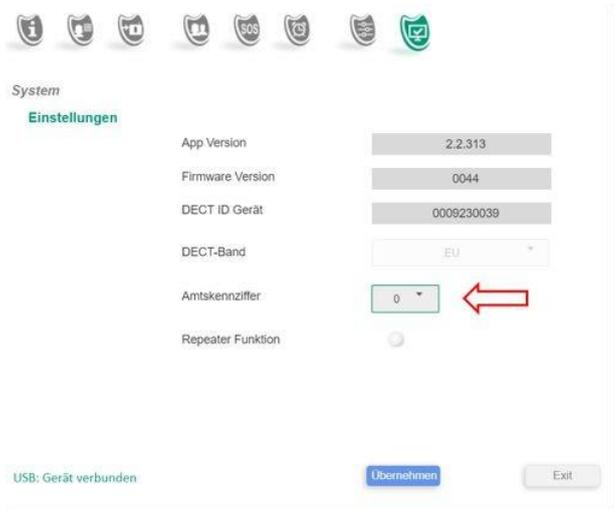


3. 6 .3 Operation with DECT PBX and dedicated code for exchange line

If DECT base station is connected to a PBX, such system has internal and external telephone connections. To notify the system that an external connection is to be established, a leading number must be sent to the system which connects the exchange line. This number is called the PBX line code and the function "spontaneous activation of fixed line".

This PBX code can be defined in PC APP Register **System / Settings**

The correct PBX code depends on the system. For this, read the operating manual of the system. Often "0" or "9" is used.



Please use this exchange code for activating the outside line and enter the numbers in the telephone book as usual. You don't have to worry about this trunk. If the PBX system is changed, you may only have to change this number, but none of your telephone numbers.



There is a further important difference between using the PBX line code in front of every telephone number in the telephone book or using the PBX code here at one place: Switching ON the external line takes a certain amount of time (usually less than 1 second) but dialing must wait until the external line is ON. This is exactly what the PBX line code does.

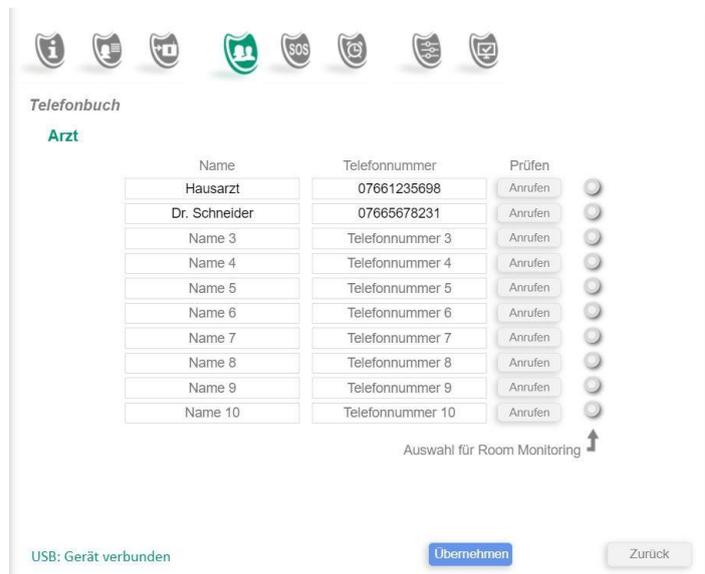


3. 6. 4 Room Monitoring

You can specify for each number individually whether it is used for.

" Room Monitoring "

The function is quite helpful for older people, for example if the person concerned does not answer calls. You can then call this number and will be put through immediately. You can try to speak to the person and "listen in" with the microphone of Device to see if any suspicious noise can be heard. The function is also known from baby phones. Sometimes it is recommended to use instant Hook-Off for the family doctor's Number.



3.6.5 missed calls.

If Device is on the charging disk and an incoming call is not accepted, this call is automatically filed under a Register "missed calls".

If Device is removed from the charging disc, it reports the number of missed calls.

The register "missed calls" is after the last telephone directory out.

An entry in the »missed calls« list is automatically deleted if.

- a) this number is called back.
- b) the entry has been read out.



3.6.6 Caller List

Each executed call is stored in the non-visible Register "caller list ", limited to 10 contacts. The » Caller List « tab is located behind the »Missed Calls« tab.



3.7 Telephoning

The device has a high-quality hands-free facility. Device should not be picked up when making a phone call. It should hang freely around the neck or lie on the table. Elderly people can then make calls without losing stability (hands-free). If Device is always around the neck, the person can always be reached immediately.



If Device is held in the hand during the conversation, the openings for speakers can (left in the rubber) and microphone (right in Rubber) may inadvertently cover with the fingers. In this case the volume is then significantly muted.



If the small microphone opening is dirty, the called party can no longer hear the conversation (loudly). In this case, carefully clean the small microphone hole (right side, above the side button) with a toothpick or a straightened paper clip.



3.7.1 Accept an incoming phone call.

When a call comes, it rings with the set ringtone.

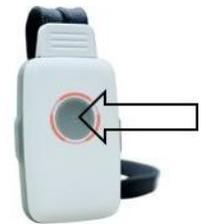
If the name of the caller is stored in the phone book, the name is announced.

„Hubert is calling“

Otherwise, the calling number is announced.

Call will be accepted by pressing the call button.

The call is always stored in the Register *Caller List*.



3.7.1.1 incoming call when Device is on the charging disc.



If Device is now removed from the charging disc, the call will be accepted automatically. The »Cancel Call« function (press call button) is deactivated for a few seconds to prevent the call from being accidentally canceled.

You probably know this behavior from normal DECT telephones when taking them from charger after ringing.



In case the call is not accepted, it will be stored in the Register »Missed calls«.

3.7.2 Calling a contact from the phone book

3.7.2.1 Selection of registers / names via side keys (for blind people, without disabilities)

This is a quick way to select a desired contact from the phone book.

It is not suitable for older and severely disabled people (see 3.8.2 Reading aloud)

A) First select the phone book by pressing a side key:

» **Phonebook activated** «



B) Then select the desired register.

To do this, use the same side key.

If you wait, you will be asked to choose a register.

» **Please select register** «



C) Once you have found the register you want,

press the side button on the opposite side to select the contact.



Remark

If you wait for ca 1.5 seconds, you will be asked to choose a name.

» **Please choose name** «

In this case you can use the same sidekey 1 for selecting the Name



D) If the desired name found, press the call button

If you wait, you will be asked to choose a name.

» **Press the call button** «



The call is initiated.

Brief description:

1 Press the side key and select "Phonebook."

2 Press the side key to select register

Press 3 other side key to select name.

4 Press the call button »Hubert will be called



select phone book / register

select name

make a call

Speed dialing (only for experienced): You want to call Hubert.

Hubert is stored in the 3rd register in the 5th position.

You press quickly without waiting for an announcement:

(SK = side key)

1 time SK *left* (phone book) 3 times SK *left* (register) 5 times SK *right* (name)

Then Call button »Hubert will be called«



Any attempt of dialing can be cancelled by briefly pressing the call button.

3. 7 .2 Calling a **contact from the phone book**

3.7.2.2 Selection of registers / names by reading out loud (for older people)

In case of visual impairment due to age or people with severe disabilities, this method offers a way to call family and friends. With the help of the voice assistant, all contacts are read out in the order in which they are stored. If the desired name is announced, press call button to call to this contact.

- 1 Press the side key and select "Phonebook."
- 2 Press call button and start Voice Assistant to read names
- 3 Press call button »Hubert will be called«



Any attempt of dialing can be cancelled by briefly pressing the call button.



Reading can be cancelled by pressing and holding the call button for 2 seconds.

3.7.3 Adjust the waiting time of voice assistant

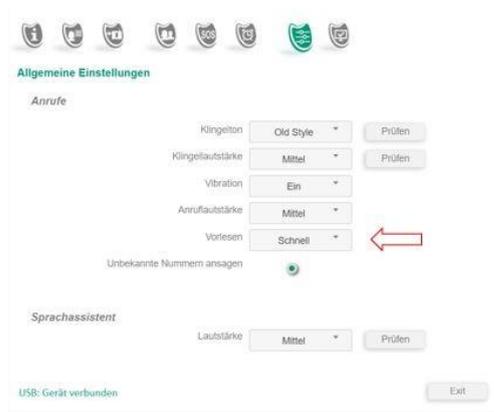
Under **Settings** you will find the term »Read Out«.

Here you can choose between

»Fast« => waiting time = 1 second

»Slow« => waiting time = 2 seconds

= Waiting time between the names read out



3.7.4 Increase the volume during the call.

During an ongoing call, by **pressing a side button** the call volume MAX to be increased (booster). Next pressing of SideKey change volume to previous setting. This increase is not possible if the MAX volume is already set.



3 Settings via PC app

3. 8 SOS call for help sequence Call for help / emergency call sequence

An SOS call for help sequence is available for emergencies.

This SOS sequence is triggered by.

- manually by pressing and holding the call button (2 seconds) (red button function)
- automatically when a fall is detected.
- automatically when smoke alarms are detected.



Every SOS call for help can be cancelled at any time by pressing the call button.

Up to 3 help numbers and 1 emergency number can be used. Here, too, you should assign names to the numbers, because these are read out when the numbers are dialed.

Enter "Repetition"

The call sequence of 3 help numbers can be repeated up to 9 times. In practice, however, it is recommended to repeat them 2 to 3 times. To do this, enter number 2 or 3.

Enter "Ring Time"

Here you can define how long the call should ring at the called party before the next number in the call sequence is used. The *ringing time* at the called party should be chosen so that the called party can answer the call. But

ringing time should not be too long, in order to avoid delay in finding a valid contact. It has proven useful to set the ringing time to a value of 15 seconds.

You still have the option of entering an »emergency number« if the search for a contact from the 3 help numbers was unsuccessful (see 3. 9.2 *the emergency call*).

Anrufsequenz	Name	Telefonnummer	Prüfen
2	Hubert	0171 232 433	<input type="checkbox"/>
3	Susanne	0172 234 566	<input type="checkbox"/>
1	Nachbar Rudi	886 765	<input type="checkbox"/>

Hilferufe

Wiederholung: 3
Klingelzeit (sec): 15

Dr. Müller | 885 874 | | Notruf

Hilfe:
Sturzalarm:
Rauchalarm:

USB: Gerät verbunden

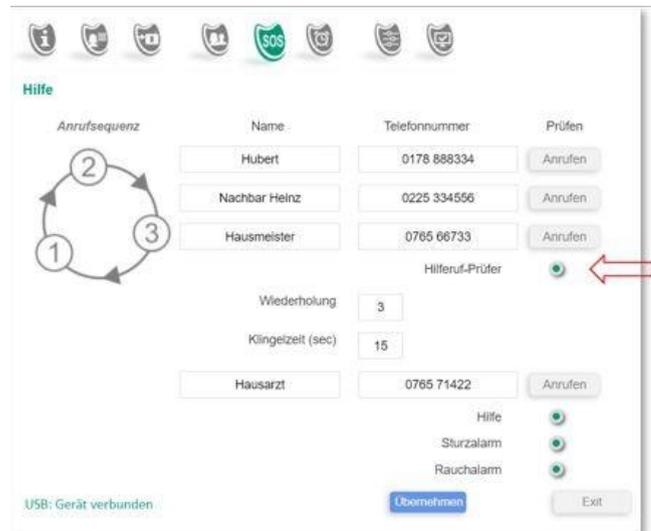
3. 8. 1 Difference between the help number and the emergency number

Up to **three help numbers** are set to repeatedly be, according to your specification "repetition" . These are the first 3 numbers of the SOS sequence. If a valid contact is found, the SOS sequence is ended.

3. 9. 1.1 >Help Call Checker< of iCM intelligent Call Manager

The analysis of a "valid contact" is carried out by the iCM, the "intelligent Call Manager", here in the PC APP register called "**Help Call Checker**" (red arrow).

The monitoring of the call sequence by the iCM is important because the person in distress often cannot intervene, but the Device must find reliable contact. The iCM is therefore very strict in assessing whether a valid help contact has been made. The iCM can recognize many use cases with automatic calling systems. In case of uncertainty, he rates the call as "invalid" in order not to end the SOS sequence incorrectly.



The following calls are rated as " not valid " in the current version:

- Ringing time exceeded
- Call acceptance with a duration of less than 2 seconds
- Call acceptance without ringing
- Answer after ringing but possible machine announcement detected.



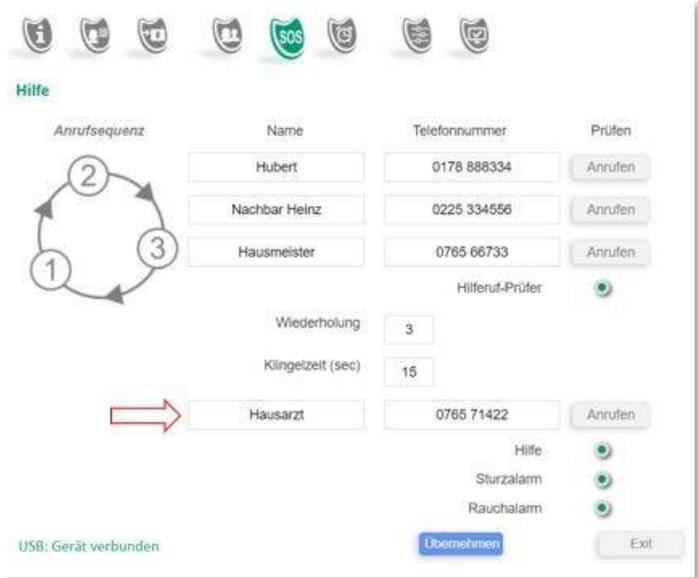
In very few individual cases, your telephone system (VoIP router) may generate tones in the audible audio band (usable band) while the call is being put through. The call for help Examiner (iCM) could then erroneously assume an IVR system and cancel the call. You can deactivate the iCM by switching off the» Help Call Checker« (see red arrow in the picture).

3.8.1.2 the Emergency Call Number

In case of no contact with help call numbers have been achieved, you can be apply an Emergency Number (see red arrow), for safety reasons

However, this Emergency Number shall be a private number and not a National Emergency Organization.

Anyway, it should be a reliable contact that can be reached around the clock. The family doctor is often entered for the emergency number.



The emergency number is not evaluated by the iCM and rings until someone picks up. In this case, an IVR announcement does not interfere either, for example. »All numbers are currently occupied. Please wait, have a little patience «

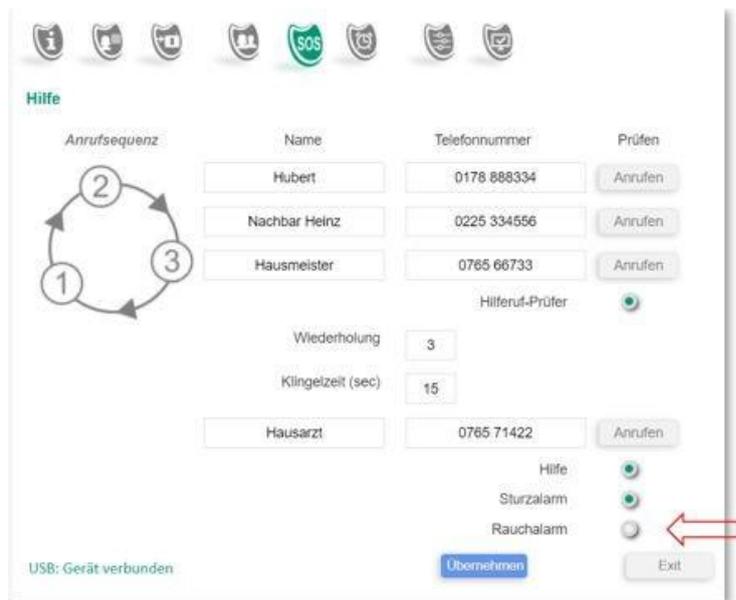
3.8.1.3 Activating the SOS sequence

The SOS sequence is activated at the factory for all three calls for help sequences :

- Help = manual call for help
- Fall alarm = automatic call for help
- Smoke alarm = automatic call for help

You can define for which event this SOS call is de-activated or activated.

Example picture:
smoke alarm deactivated.



If you deactivate all three SOS events, the Device works as a telephone only.

Application example here:
Telephone for the visually impaired without any emergency call activated

You would recognize this on the info page as follows:

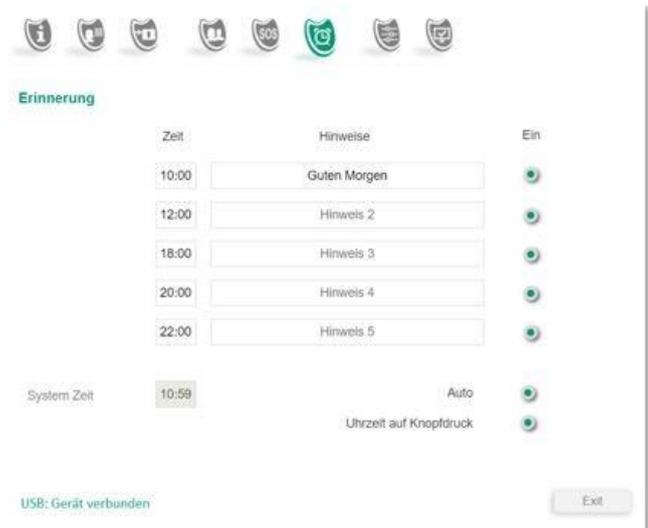


3 Settings via PC app

3.9 time-triggered notes (reminder)

The reminder function is intended to help older people not to forget, e.g. to take medication at certain times. You can enter up to five reminders in 24h format. You can also temporarily switch off individual announcements using the On (Off) button.

A valid time of day is required for this function. Device recognizes if there is no valid time in Device. In this case it will announce "No time available."



3.9.1 Enter time / remote programming

The time (system time) can be entered in various ways :

a) via PC APP



b) through external call (Remote Programming)

Once the call is taken, the caller enters the current time on his keyboard:

Format	# TIME # hhmm #	TIME corresponds to the key sequence 8463
	hh	hour: 00... 23
	mm	minute: 00 ... 59

Example:

current time is 9h45 => input # **8463** # 0945 #



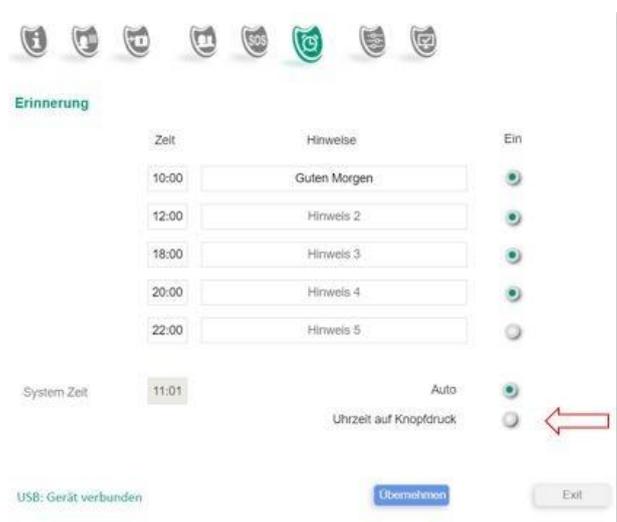
Please make sure that calling party is not in vicinity of Device because of acoustic feedback. The whistling can corrupt the Data Transfer and its correct identification

3.9.2 Switch off the time announcement

The current time is spontaneously announced when short pressing the call button. This is particularly valuable for the visually impaired.

Device must be in idle mode.

You can switch off this time announcement (see red arrow)

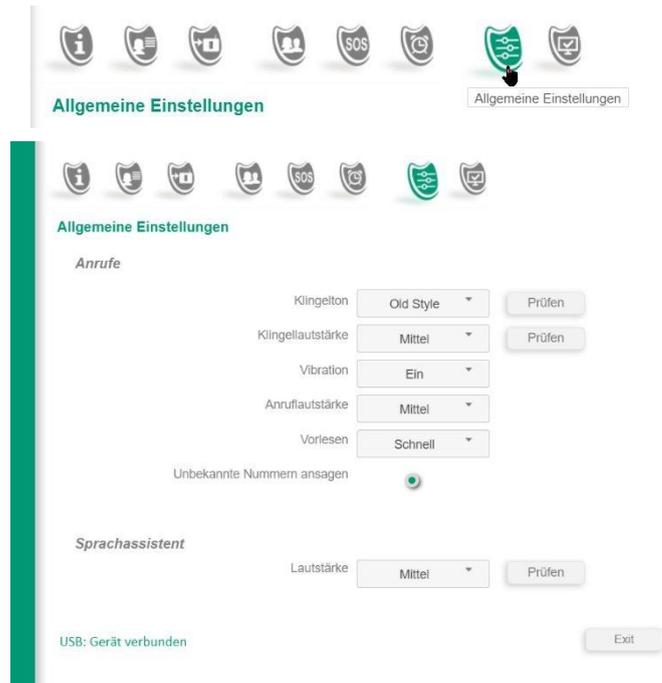


3 Settings via PC APP

3. 10 General Settings

Here you have the option of selecting one out of three melodies as ringtone and setting the volume of ringtone, the call and the voice announcements.

Before you **APPLY** the changes, you can test them under **Check**.



3 . 11 System (for experts only)

3. 11 .1 System Settings

1 DECT band

DECT frequency band is set to AUTOMATIC at the factory. The machine selects self - constantly correct DECT band EU or US. Once enrolled, it will remain in this band even if a new base is used. By RESET on work-being - position is reset to Automatic.

2 PBX code (spontaneous line access)

If your base station is connected to the fixed network via a switching system, a so-called outside line digit or outside line code is often required in order to receive an outgoing exchange line. This single-digit exchange code can be entered here. All outgoing phone calls from Device are then automatically dialed with this preceding outside line digit.

3 Repeater function

This function is not available in the current version.

4 Service Number

Status messages can be received from the Device via the service number. They are used for professional project applications (e.g. Monitoring Room) and are not for private use. The service number must be activated with button 5 »Activate«.

6 Selective Help Call

With this switch you specify that the call for help sequence is triggered selectively as follows:

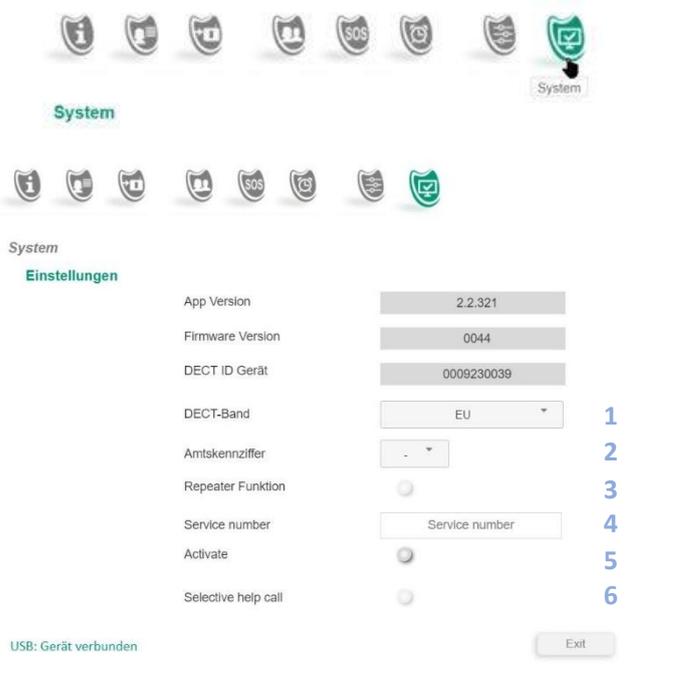
1. Help number = manual call for help
2. Help number = fall detected
3. Help number = smoke alarm detected

Anrufsequenz	Name	Telefonnummer
2	Manuell	123 5
1	Sturz	123 6
3	Rauchalarm	123 7

Only one help number is dialed per event 1-3.

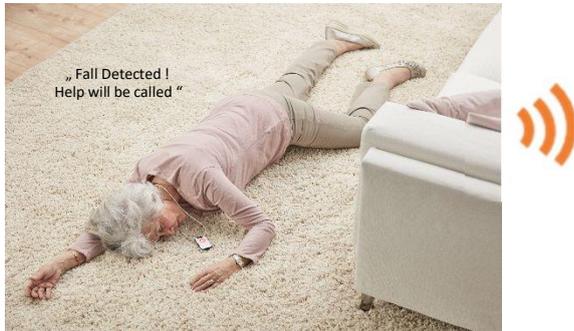
The iCM is switched off. It is therefore not checked whether an IVR or AB is accepting the call.

⇒ It is a central system function that interprets event type 1-3 based on the used phone number.



4 Special Notes

4.1 Fall detection and automatic call for help.



Fall Detection is preset at the factory and is activated automatically when the Device is removed from the charging disc. Fall Detection is interrupted when Device is connected to a calling party, i.e. the user is on the phone.

Define the help sequence using the PC APP.

The voice assistant informs the connected person with “This is a fall emergency call, please take action” and also provides the location data and the special instructions.

The hands-free connection is activated so that the person who has fallen can be consulted about the severity of the fall. If a conversation is no longer possible, quick help is often vital. The special instructions (see Section 3.3) should provide information on access to the apartment.

Fall detection cannot interpret all incidents as "fall-affine". However, reliability is very high, typically >85%. The false alarm rate is typically <2%.

If Device falls to the ground and the user no longer picks it up, a call for help sequence is also triggered after several instructions from the voice assistant.

This **product-on--floor function** is preconfigured **at the** factory and is a very practice-oriented function.

4 Special Notes

4.2 Smoke alarm detection and automatic call



The smoke alarm detection is activated automatically when Device is placed on the charging disc. This usually happens at night or when you are away from home. This safety function is particularly valuable at this time.

The smoke alarm detection works with all commercially available smoke detectors, heat detectors and carbon monoxide detectors.

If Device detects a smoke alarm, it automatically calls the stored telephone numbers with an announcement from the voice assistant: "Smoke alarm detected, please take action" as well as the location data and the special instructions (see Section 3.3). This information is repeated 5 times. A smoke alarm must last more than 30 seconds. to be classified as a real smoke alarm. This is to prevent false messages, for example when testing the system.

If a call for help is accepted, Device waits 30 minutes and checks whether the smoke alarm has been switched off. If the smoke alarm is still activated, Device starts the call for help sequence again.

The smoke alarm call sequence is ended immediately if

- Smoke alarm has been switched off.
- Device has been removed from the loading disc

Test the smoke alarm detection by pressing the test alarm on the smoke detector.

=> After 2 seconds the ring LED signals **RED** ; the smoke alarm was recognized .

If the smoke alarm remains active for several seconds, the smoke alarm sequence is carried out.

5 Important Information

5.1 Help for troubleshooting

5.1.1 Status LED flashes red

Either the battery is too weak (there is a risk of shutdown!) Or Device has no radio connection to the base station. To do this, place Device briefly on the loading disc and then off the loading disc. After 7 seconds, the voice assistant reports the faulty function (s), either.

a) the battery is not sufficiently charged.

Remedy: Place Device on the charging disc and charge Device for approx. 2h

b) Device is not connected to the base.

Remedy: Check whether the base station or DECT function is switched on has been switched off. Switching the base station off and on often helps.

5.1.2 Device cannot be registered with the base station.

Possible sources of error:

a) The distance to the base station is too great during registration.

Remedy: Take Device to the base station room and repeat the registration

b) The base station has no "free space" for another terminal.

Remedy: Open the configuration menu of the base station (via the browser in the PC or via a connected DECT handset) and delete a terminal Device from the list. Usually up to 5-6 DECT terminals are accepted by the base station.

c) The system PIN of the base station is not set to "0000"

Remedy: Change the PIN of the base station to "0000"
and repeat the registration.
or use the PC APP of Device (chapter 3.3)

d) The base station is not in registration mode.

Remedy: Look for the registration button on the base station. This can be a specific button labeled "DECT" or "Register" or a central button that must be held down for several seconds.

Remember that DECT Base Station's Subscription mode keeps activated only for about 5 minutes. The registration of the Device must therefore be carried out within this time. Otherwise, the registration button on the base station must be pressed again.

e) The base station does not conform to DECT GAP standard and / or uses proprietary functional elements. In this case you must replace DECT base station.

5 Important Information

5.1.3 Announcement "Device is not ready for operation."

Possible sources of error:

a) Device is not registered with the base station

Remedy: Register to Base Station (chapter 2.3)

b) Device is not connected to the base station

Remedy: Check the distance to the base station.

Check base station; switched off?
it often helps to switch the base station off and on

c) Device is not sufficiently charged

Remedy: Device about 2 hours load.

d) no help numbers entered.

Remedy: (without PC APP): Call the Device; this calling number will be used as help call number

Remedy: (with PC APP): Enter the help numbers

5.1.4 Device does not charge.

a) Check whether the charging disc is connected to the power.

If disk connected to the power, the ring LED of charging disc lights up briefly.

b) Place Device according to the marking on the charging disc

c) Use positioning aids (bumpons). It guarantees an exact placement of Device on the charging disc and prevents it from accidentally slipping from correct position.

5 Important Information

5.2 Charging Device (switch on Device)

Use only the supplied USB cable for the charging disc and the plug-in power supply. The power supply may only be provided with cables in accordance with Device specifications. Always place the charging disc on a flat, non-slip surface. Device heats up during charging. This is normal and not a fault. You can use several charging disks (e.g., the living room and bedroom). Ask your dealer about this.



The device can only be switched on by placing it on the charging disc. However, never switch OFF Device, even if you are away for a long time, for example. If you place Device on the charging disc, the smoke alarm detection is also activated.

5.3 Speakerphone

The device has a hands-free facility with a considerable volume. Therefore, never hold Device to your ear to avoid hearing damage.

5.4 n.a.

5.5 Protection against environmental influences

Protect Device from direct sunlight, dust, moisture, and vapors. Do not expose Device to extreme temperatures or strong electromagnetic fields. The device is protected against dust and splash water in accordance with IP65. As a result, you can use Device while showering, but not while bathing.

5.6 Cleaning

Use a slightly damp cloth for cleaning. Do not use liquid detergents directly on Device. The device is splash-proof. Do not switch on Device if it comes into contact with liquid. Hold Device vertically and gently shake it. Pat Device dry and let it sit for at least 24 hours. Then place Device on the charging disc for two hours in order to achieve residual drying through the heat.

5.7 Repair

Never try to maintain or repair Device yourself. Do not open the case under any circumstances. This could lead to destruction and damage to the Li-ion battery. Damage to the Li-ion Batteries can lead to intense heat. You will lose your guarantee.

5 . 9 Warranty

Assistive Technology Services provides a guarantee for the quality of material and manufacturing for one year from the date of purchase. The Buyer assumes all costs to ship a warranty return to ATS. This includes all U.S. orders and international orders. International warranty buyers are responsible for shipping both ways.

In the event of a defect, the buyer is initially entitled to supplementary performance. The supplementary performance includes either the repair or a replacement product. Replaced Devices or parts become the property of the dealer. Proof of the warranty claim is to be provided by a proper purchase confirmation (purchase receipt). Damage caused by improper handling, operation, storage as well as force majeure or other external influences are not covered by the guarantee.

5.10 CE Declaration of Conformity

This Device fulfills the requirements of the EU directives: DIRECTIVE 2014/53 / EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of April 16, 2014 on the harmonization of the laws of the member states regarding the making available on the market of radio equipment and on the repeal of directive 1999 / 5 / EG. Conformity with the above directives is confirmed by the CE mark.

6 Technical data

Default	DECT GAP according to ETSI standard 300 444 DECT EU, US
Frequency range	EU: 1880 MHz to 1900 MHz US: 1920MHz to 1930 MHz
Duplex process	FDMA / TDMA TDD
Modulation	GFSK
Transmission power	10 mW - thermal power per channel NTP 250 mW
Radio range	up to 300 m outdoors, up to 50 m indoors
Plug-in power supply	100-240V AC, 50 / 60Hz, power plug: Euro type, USB
Battery	Li Polymer 450mAh standby time max 2.5 days
operating temperature	0°C to +45°C
Protection class	IP65
Dimensions	70 * 42 * 14mm
Weight	41g
