distyNotruf

Operating Instructions

Table of contents

Safety instructions

Intended use

This unit is foreseen for communication in a DECT - provided installation.
The user must be instructed on the use of this device.
Do not use the device under extreme environmental conditions.
Use only accessories and replacement parts supplied by us.
Use the charger only with the supplied power supply (see also section 'Charging').

WARNING!
Keep this unit away from your ear!
The sound pressure of the speaker can affect the user's hearing.

Notes on lithium - ion batteries

The device is powered by a lithium - ion battery. For handling with this type of energy source note the following:

- Charge the battery on a regular basis and as completely as possible. Do not leave the battery for a long time in a discharged state.
- Keep the battery away from heat sources such as Heaters and open flames such as Candles. Danger of explosion!
- Do not use charging devices that are damaged in any way.
- Do not disassemble or deform the battery. Your hands and fingers may be injured, or battery fluid may get into your eyes or on your skin. If this happens, rinse the area with a large quantity of water and inform your doctor immediately.

Recycling and Disposal

Your device is delivered in a package. This serves to protect against damage during transportation/storage. Packaging is made from materials that can be disposed of environmentally friendly and supplied to a proper recycling.

Take neither the device nor its accessories, at the end of its life cycle in the normal household waste! Inform yourself about the options for environmentally - friendly disposal.

distyNotruf ᴾʳᵒ, Operating instructions

General

To maintain an overview over the position of a stranger or staff in a difficult or dangerous environment at all times, the DECT installation is complemented by a localization function. This requires a mobile unit **distyNotruf ᴾʳᵒ**, which can be fastened e.g. to the wrist, hip or the protective helmet.

The user or wearer can simply communicate with a remote (other telephone) extension by simply pressing the push button.
With the help of an integrated acceleration sensor, the tag is also able to initiate an alarm call automatically.

This Operating Manual is meant for the administrator of the facility who is well informed about the DECT technology and has the duty of setting and managing this special terminal device.
Also this manual describes the variant **distyNotruf ᴾʳᵒ**, most of the content is valid for the **distyNotruf**. In this document it will be named as **distyNotruf**, or **tag**.
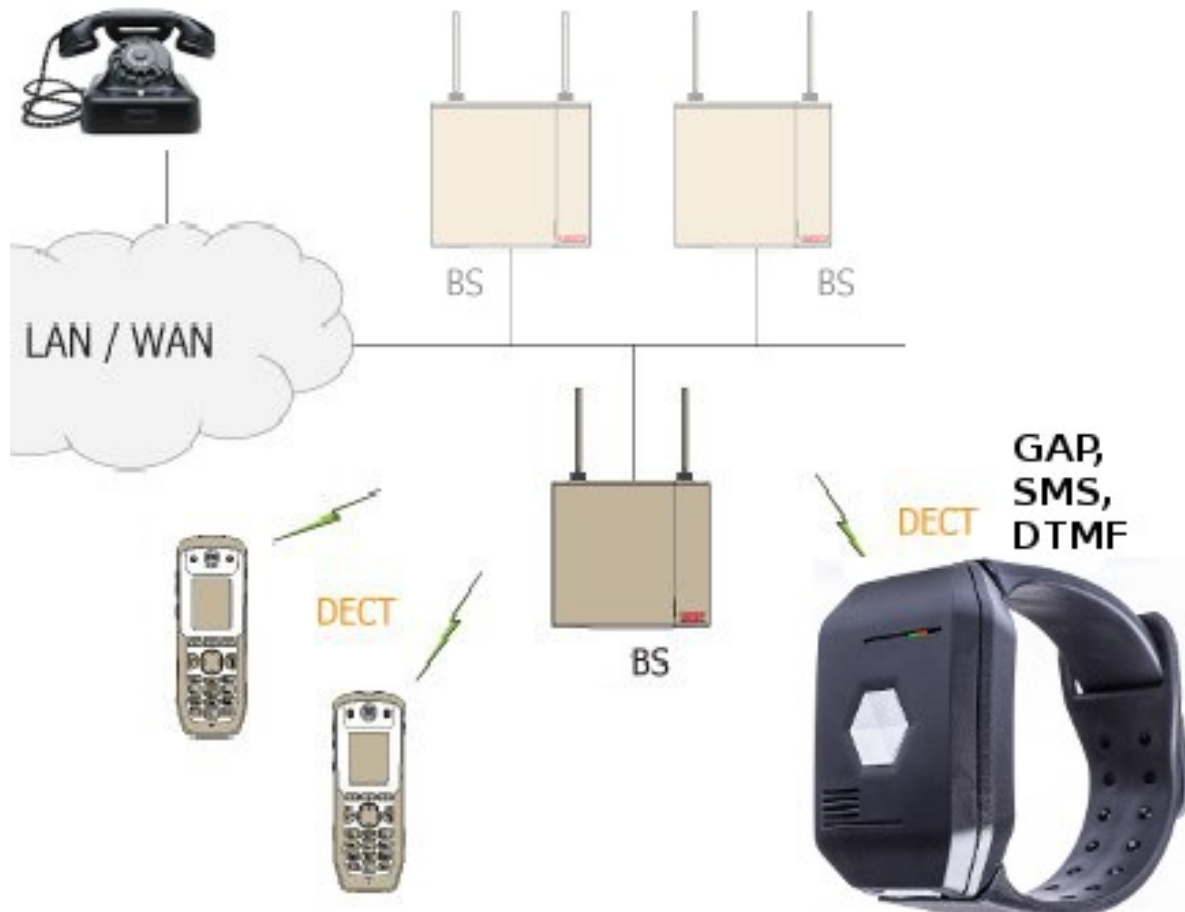
The device comes in a cardboard box along with a comprehensive User's Manual.

Bottom view, incl. both spring bars

The IPEI (= serial number, e.g. 014231011124) is printed on the label.

Application

Components of a DECT system

Various ways to wear the tag

The **distyNotruf** can be worn or fastened to your body in three different ways.

Possibility 1: Fastening at the wrist:

The two spring bars must be put through the holes of the wrist band and then inserted into the side holes of the tag as illustrated. Place one side of the spring bar into the hole and press the other side with your finger tip so that you will be able to place the opposite top of the spring bar into the opposite hole.

In case of dismounting press a small stick, like a paper clip, into the outside of the hole from the tag so that the spring bar can be removed.

Possibility 2: Fastening with the belt clip

To mount the belt clip, the bracelet has to be dismounted as described above. Remove the spring pins from the bracelet and insert one spring pin on the side of the charging plug. Press the middle tab of the clip through the clamp and push it under the mounted spring bar. Insert the second spring pin into the opposite end of the clip. Move the clip to the approximate end position, as shown above. Insert the one side of the spring bar into the hole provided for this purpose. Press the other side of the spring pin towards the clip, locking the clip into the final position.

The belt clip is designed in such a way that, when the clamp is pulled too strong, the tab slips out of its mounting.

This prevents breakage or damage to the belt clip! To restore the function, lift the clamp and insert the tab under the spring pin again.

Possibility 3: Fastening with the Neckband

Mount the belt clip as described above and connect the snap hook through the hole of the clip.

The lock will open automatically, if the neckband is pulled with too much force. This will prevent the user from being hurt, should the device accidentally stick to an obstacle.

Putting into operation

Connect the **distyNotruf** with the charging cable & power supply (= Charging Set, CS), plug the power supply into a wall socket and let the **distyNotruf** charge until the red LED turns off.

Subscription

There is an in-built algorithm to accelerate the login process in such a way that the **distyNotruf** begins by searching for the strongest base station. It is therefore of paramount importance to ensure that the terminal device is logged-in in the proximity of a base station!

The preset authentication code (AC) is 0000.

The **distyNotruf** is prepared through the following procedure. The process functions only if the device is not subscribed. See chapter on "Factory setting".

The device is plugged into the CS. Press the key within the next 5 seconds and wait 10 sec for the green LED to light up. Now let go off the key.

The function has now been activated. The green LED begins to flash. This indicates that the **distyNotruf** is searching for the base station that is ready for subscription.

The DECT base station is activated for the subscription process. Ensure that no other base station/DECT system has activated subscription readiness.

You will hear a "Beep" after successful subscription and the device will restart to accept the data. The subscription process is thus completed and the **distyNotruf** can be removed from the charger station. The device begins to search for the base station and register itself. It switches to the "Stand-by state" (= idle locked) after successful synchronization.

The green LED will now flash up briefly once in every 10 seconds.

Subscription using PARK

RFPI/ PARI (= Channel element/Base station) is the default on which subscription is performed. This information can be found in ASCOM as System Administrator under DECT/ Radio/RFPI 9014BC1008 (<- Example!).

The process is described as follows. This is performed with the help of the programming station (Function 'set PARK', manual entry).

- `c_31_9014_bc10_08` Set the RFPI of the channel element that is to be used for subscription.

  (Please note the hexadecimal entry!)

The **distyNotruf** is subscribed as described above.

Subscription using SARI

In case of big systems (installation of multiple sub - systems), affiliation is regulated through a SARI. This number will be disclosed to the system administrator and the new terminal device set-up in the system.

The system is activated for subscription; the administrator has disclosed the SARI used (e.g. 3111111111115) and the new terminal device set-up in the system. The SARI is entered in the device through the programming station (PS, see chapter on "Configuration of parameters & changing functionality") (*Function 14*). Subscription is now performed as described above.

Configuration

Some settings were made in the device during production, which shall be adapted to the respective purpose of application. For this purpose, see the section on *"Requesting / Setting parameters"* as well as *"Configuration data"*. Factory settings are listed in the chapter on *"Factory setting"*.

It is necessary to configure the device accordingly depending on application. This is easiest when done with the aid of the programming station – a special charging station with PC connection.

It is advisable to restart the **distyNotruf** after changing parameters. This is done using *Function 3* at the end of the setting process on the programming station.

Un-subscription

The logical disconnection of the **distyNotruf** and the DECT base station is done by deleting the DECT subscriber in the base station. This process also includes the removal of relevant data in the **distyNotruf** through the DECT protocol as long as the function is supported by the base station.

Process: see "Factory setting".

This is the last step required by the system administrator to delete the subscription data of the **distyNotruf** from the system and thus unsubscribe the device.

Subscription data are deleted also by resetting to the default status (Factory setting).

After a maximum of 3 minutes, the **distyNotruf** switches to the sleeping mode: no LED lights up, DECT activity is stopped.

A special feature is the "Factory setting" checkbox on the "Subscription" tab.
If you want to use a different AC than the factory value = 0000, you have to write this value to the device with a the checkbox marked.

Factory setting

The following operating procedure is performed to reset to delivery status factory setting (default), which will work only when the device is subscribed.

- Set **distyNotruf** to CS. Red LED illuminates as confirmation and acoustic "beep" signal is heard.

- Press the alarm key latest after 5 seconds and hold for 10 seconds

- Green LED illuminates

- Let go of alarm key before LED switches off (2 seconds time)

- A 450 Hz - tone is heard and red LED illuminates

- Remove **distyNotruf** from charging cable

- **distyNotruf** switches to power down (every function is switched off)

- programmed alarm numbers are not deleted

NOTE:

The correct function of the alarm numbers has to be proofed and adjusted if necessary.

A failed alarm can cause big costs and trouble!

All values return to basic setting. The device is now ready for subscription again.

Characteristic	Factory setting	Personal setting
Emergency call	Not active[1]	
Busy handling (up to four entries)	Not active[1]	
Busy handling timer	45s	
Ring tone volume	3	
DECT radio activity	Not active	
Shock sensor	Not active	
Hospital	Not active	
Authentication code (AC) (up to eight digits)	0000	
PIN	0000	
Hotline	Not active	
Off-hook mode (for incoming call)	Key	
Out of range (during connection)	Active	
Out of range (Standby)	Not Active	
DTMF - Protocol	Not active	

Note: Alternatively, the factory setting can be established through the Programmer App (see next chapter, *Function 5 / 6*).

The device can be disconnected from the charging cable thereafter (*without function 2*).

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1 Programmed numbers will not deleted with normal factory reset.

Configuration of parameters & changing functionality

Parameters can be configured in the **distyNotruf** using the programming adapter that can be ordered as accessory.

The following is a description of the handling.

The charging cable is connected with the adapter and the device as shown above. This equipment will be referred as **PS** in this document!

The programming adapter must be plugged into a free USB port of the PC.

Now, at least, the **distyNotruf** should be connected with the cable as indicated above. It is important to choose the right direction of the jack. Otherwise the data transmission with the PC will not work!

Note: If necessary, the installation of a driver (= **V**irtual **C**OM-**P**ort) may be required (see installation advice of the programmer app).

The **distyNotruf** is not connected during installation.
The properties of the interface are 19200 Baud, 8N1.

The appropriate programming tool ('disty Programmer App') can be downloaded from the homepage of the company Disty (see last page). Save it in a folder of your choice and start it. A window will appear with the question: *Execute* or *Cancel.* Clicking on *Execute* will open the program.

The App shows the sheet "PC-COM". This is the default after starting the program. On this sheet the appropriate COM port should be selected via the drop-down list.

With the upper left button 'Change into program mode' the App starts the programming session.

The lower line shows the actual status.

After the PS has recognized the **distyNotruf**, the communication begins (the LEDs of the tag will both be switched on). All relevant data are read from the device.

The status line will light up in green color. The tool is ready for use!

Now you can choose the function or value you want to change.

As an Example: the alarm number:

- go to sheet 'Configuration 1'
- write the appropriate number, which shall be dialed by pressing the alarm button, into the field 'Alarm number'

- initiate the transmission by clicking the 'write' button

After some time, at the end of transmission, we see the green status line again.
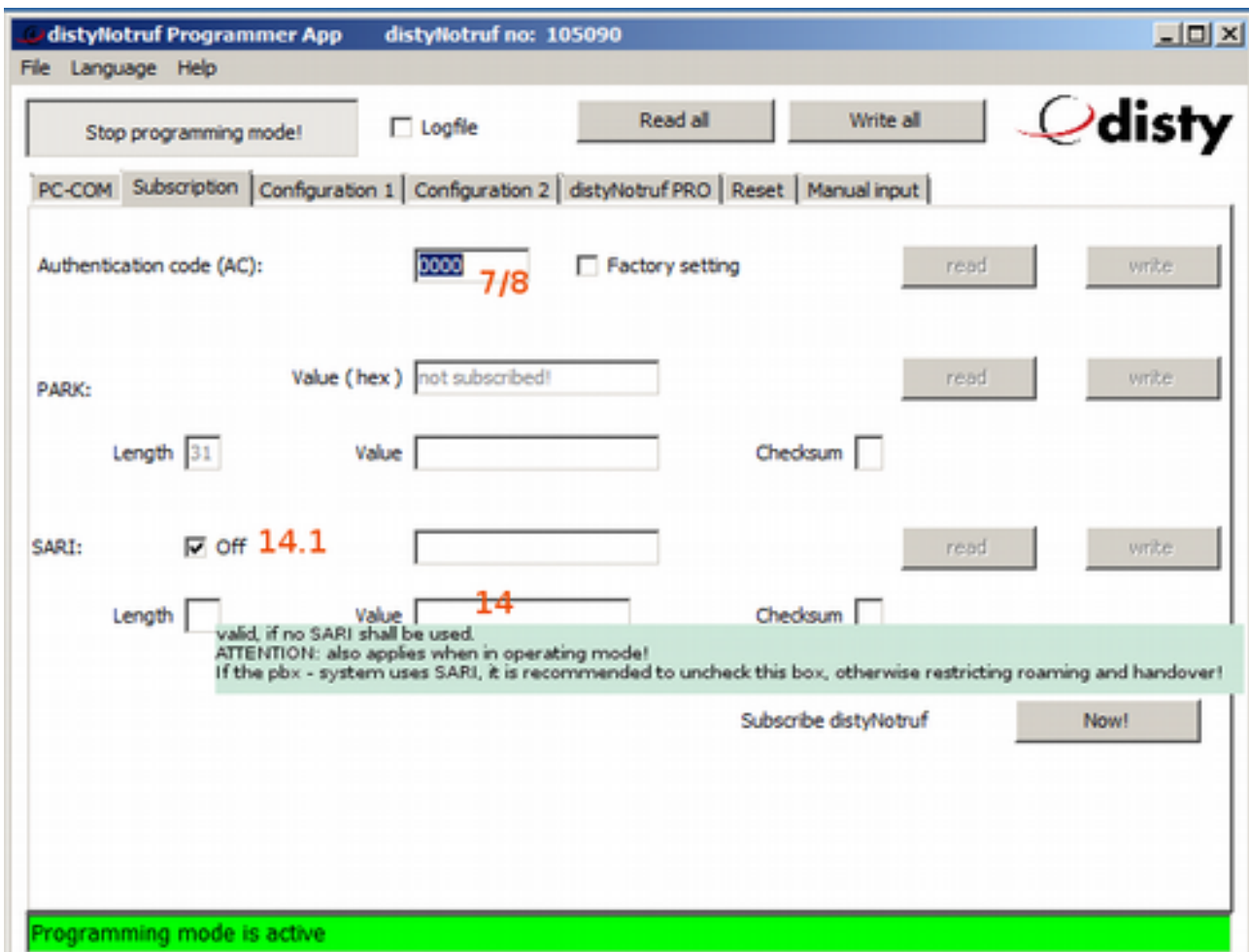
In this way other parameters can be set to your needs.

In the end you stop the session by pressing the upper left button again.

The tag will re - start and is ready for use.

The PC or USB - hub can be used as charging station for the tag.

The **distyNotruf** is plugged in and out to the charging cable as usual.

NOTE: Hints are shown while the cursor hoovers over the objects on the sheet

(see the green colored text above).

If 'read' - and its nearby 'write' - button are gray, then the value(s) are same in

the tag and programmer app!

Performance characteristics (features)

Basically, the **distyNotruf** is conceived in such a way that an event will establish a speech connection to a preset number.

An event in this sense means press the button, insertion into/ remove from charger or an incident due to the acceleration sensor.

For setting or activation through 'disty Programmer App', see preceding chapter.

Emergency call *(default: disabled)*

If the button is pressed for longer than one second in a normal state, a link will be established with a programmed number; the red LED flashes. That is a speech connection.

This can be terminated just by pressing the button again.

The emergency call is set through *function 10*.

If a **distyNotruf** is called, which has no emergency number set, then it stores the callers identity (CLIP[2]) as emergency number. To outperform this function, the device must not be in charging conditions!

The alarm number and other parameters can be programmed also via our Hotline (see phone number on last page).

Just press the button after the **distyNotruf** is subscribed. It will call directly the hotline (not valid for variant **distyNotruf**ᵖʳᵒ!).

It is important to proof, that the programmed phone numbers will function as intended!

2   Calling Line Identification Presentation

Busy Call handling (default: not activated)

Active if the checkbox "Call forwarding" is set (*function 46*).
If the line is busy during an outgoing call or the called party does not answer within 20[3] seconds, the tag will try to dial the next number. This will continue until the call succeeds[4]. The alarm number and a further four entries (Busy call) form a list of five telephone numbers which are used in sequence. It is always tried to call the alarm number first.
To detect this situation, the device evaluates the busy signal and/or free signal.

Call forwarding active

If this function is activated, an alarm call must be acknowledged by the receiver of the emergency call with a DTMF sign '#' (push button "#").
If the acknowledgment does not take place, the **distyNotruf** triggers an unsuccessful emergency call and attempts to select it again or one of the additional programmed numbers.
This ensures that an alarm is will reach the human helper and not "shipped" on a mailbox or an answering machine.
An exception are internal calls. In this case confirmation is not necessary, because usual DECT – Handsets can not send the appropriate acknowledgment.

Call acceptance (off-hook mode) (standard: push button)

This is used to set how an incoming call should be taken.

Possibility:

- Immediately (= announcement, see next section)
- Key-press
- Key-press or automatically after 40 seconds
- No calls

Announcement (Incoming Call) (default: not activated)

If a call is made through any random number, the **distyNotruf** builds-up the connection immediately. The loudspeaker and the green LED are switched on and a brief tone informs the user that an audio connection has been established with the caller.

3   Time is adjustable; value used as an example.
4   The connection must last as long for minimum time as set above.

Volume level

The volume of the loudspeaker can be adjusted in 8 steps, the indication tone in 2 steps, and the bell tone in 4 steps (the larger the value, the louder).
Furthermore, the amplification of the microphone can be adapted to the respective application.

With an additional parameter the plane of both speech and voice can be set to the required environment conditions, e.g. Home, Office, Outside.
See also the "Configuration 1" tab, Audio.

DECT Activity *(default: enabled)*

The DECT radio remains active during charging. This can be modified through the configuration data in such a way, that the device is switched off during charging (see *Function 24.2*)

Note: The alarm – functionality of the alarm button is enabled 5 sec after connecting the device with the charging cable!
The activity of the acceleration sensor (see next chapter) is stopped while charging!

Shock sensor / Motion alarm *(default: disabled)*

Performance characteristics serve the purpose of recognizing an accident on the part of the bearer e.g. fainting, non-usage of the device or touching of a secured object.

If the acceleration values of the sensor fall short of a specific value (= threshold) for a specific amount of time (= time out), alarm will be triggered (Mode "Quiescence"/ 'man down alarm').

See also the "Configuration 2" tab, shocksensor.

These features only work if the tag is not connected to CS/PS and has no voice connection, so the device is in "idle" or standby mode!
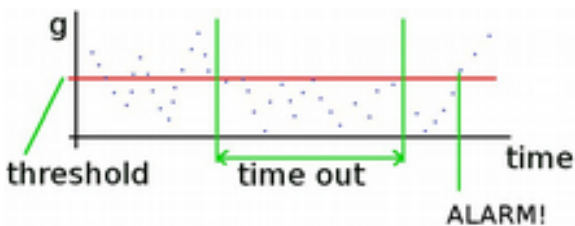
Man down
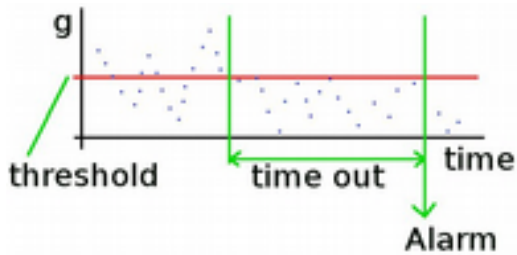
Mode "Quiescence" / man down

Alarm is reported in the mode "active" (/ 'moved after timeout') if motion is detected after a specific period in which no vibrations/motions have been detected.

Motion detection

Mode "Active" / motion detection

The values for "threshold" and "time out" can be set through configuration.

The profile can be adapted to needs by varying parameters and timeout.

Configuration is performed through *Function 21*. Timeout time can be set in this case, between 20 and 254 seconds.

The 'man down' variation will then be active in the basic setting.

It will be set to 'motion detection' by setting the checkbox.

If an event is triggered, a speech connection established. This will be shown through a brief flashing of the red LED.

The feature is switched off in the CS.

Examples of setting the functions:

a) Function "Man Down", Timeout = 240 seconds

Alarm time of 4 minutes must be set through configuration.

If the device is not moved for a minimum of 4 minutes, the **distyNotruf** will call the phone extension, which is pre-programmed as alarm number(s).

b) Function "Motion Detection", Timeout = 180 seconds.

The function as well as the alarm time of 3 minutes must be set through configuration.

If the device has not been moved for 3 minutes and is then moved once again, the **distyNotruf** will call the phone extension, which is pre-programmed as alarm number(s).

Man Down Horizontal

If the tag is not in the upright position, but in a horizontal position for a certain time, the **distyNotruf** begins an alarm call. The timeout is determined by the configuration in a range of 20 to 85 seconds.

Man Down Accelerometer

If feature is active, the **distyNotruf** can detect a typical acceleration profile of a falling person. On this event an alarm call is initiated.

The combination of the man down functions are "ored". The function whose conditions match will start the call first.

Before this, a so-called **pre-alarm** phase (with a duration of, for example, ten seconds) is started. This is indicated visually and acoustically. To avoid a false alarm, the user can cancel the alarm by pressing the key.

If the **distyNotruf** has detected an event, the device waits for the pre-alarm time before the alarm call is started. During the pre-alarm phase, the red LED flashes and a beep sounds every 2 seconds.

Note:
When using the "Man Down Accelerometer" function and / or "Man Down Horizontal", the tag must be worn on the hip!
It is important to attach the device so that it can detect all movements of the body.

It is possible for the alerted person in charge to switch on a locating sound at the **distyNotruf** in order to ease the finding of the wearer in need. This remains active even after a successful (= acknowledged) alarm, and can be switched off at the device by means of push-button sequence or remotely (see chapter "Indication tones" and "Setting via DTMF").

Announcement tone off (bell/ring tone, *default: disabled*)

When you get a call there is an audible indication in form of a short "beep".
The locator options setting can be changed so that this sound is not heard, e.g. in a 'baby sitter' application.

Performance characteristics "Hospital" *(default: disabled)*

The feature is described as follows:
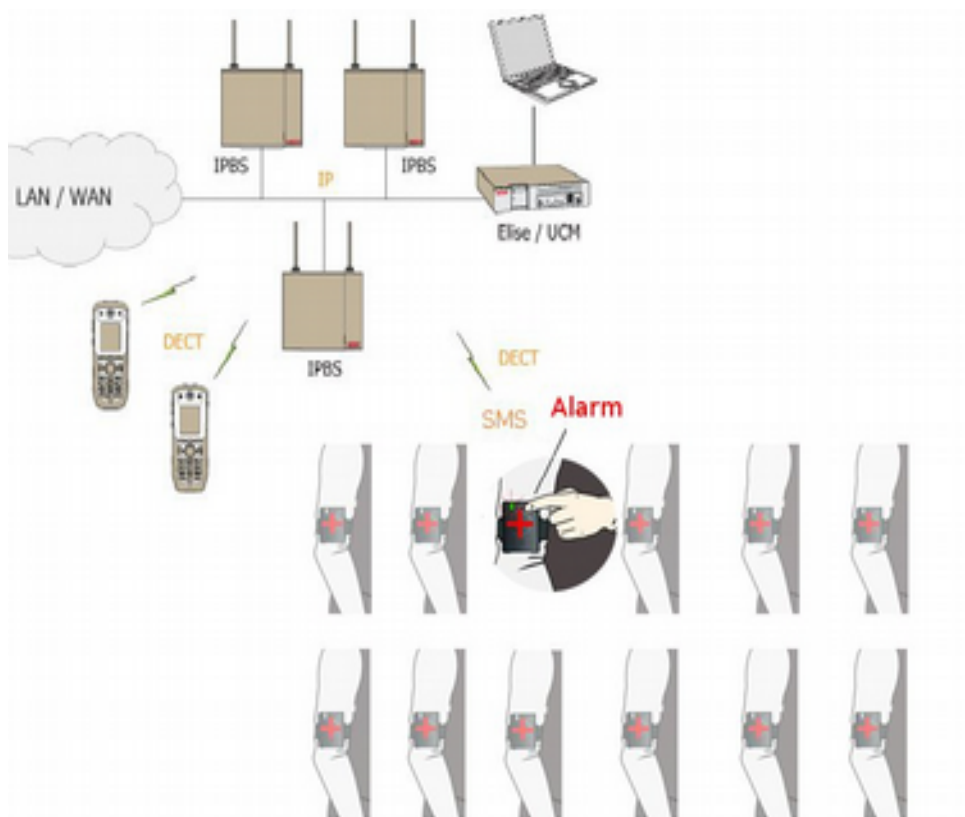
Alarm case

- Patient presses button→ **distyNotruf** is switched on for at least 10 minutes, starting an alarm call
- Patient receives visual and acoustic feedback
- Nurse is informed through her/his handset and can get back to patient
- After 10 minutes without connection, the device switches off completely again and is ready for new alarm

The following parameters are used as setting:

- Emergency number (-> *Function 10*)
- Locator options → *Register "Configuration 2", Function 24.4.*

This features increases the standby time extensively.

Service call

Out-of-Range *(default: not activated)*

If the tag reaches its range limit in 'idle'/standby mode, the **distyNotruf** starts a call. This will happen when the signal strength received from the base station is below a fixed value. If this situation occurs during a connection, there is an acoustic and visual indication to inform the user. The signal tone is also audible by the remote party, so that it is recognized that it is an out-of-range – alarm and there is a possibility the connection can be become in bad quality or stopped.
The threshold is adjustable.
See also the "Configuration 1" tab, out-of-range – alarm (*Function 22*).

Battery alarm *(default: activated)*

The **distyNotruf** starts a call when the battery capacity has almost run out. So that another person as the wearer of the **distyNotruf** is informed, that the device should be recharged soon.
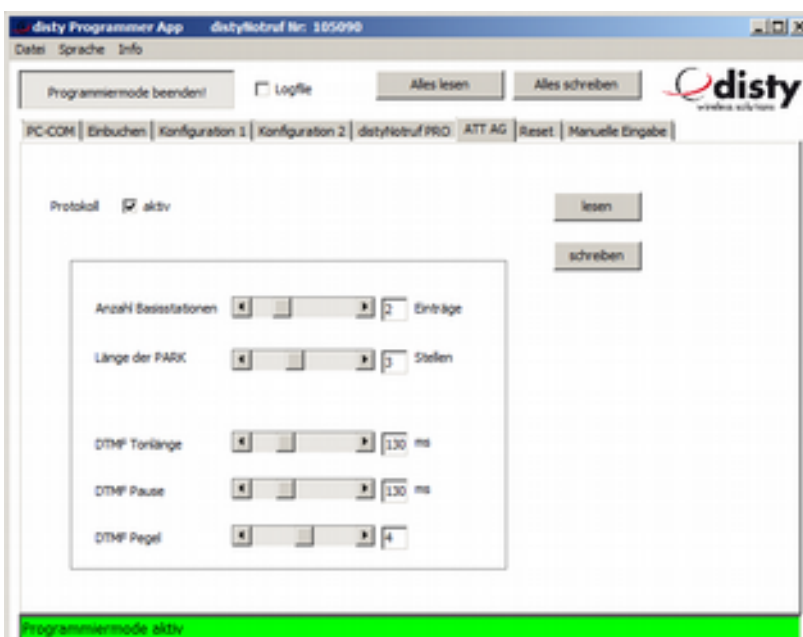The signaling corresponds to the description "out-of-range".
See also "Configuration 2" tab, *Function 24.5*.

Operation with alarm server *(default: not activated)*

The **distyNotruf** is able to work with so-called alarm servers of different manufacturers. For this, information is exchanged via DTMF[5].
See also "DistyNotruf PRO" tab, *function 48*.

In this way, applications can be realized where help is sent to the current location of the user by localization in alarm situations by means of defined sequences.

If the protocol is activated, the alarm server is called via the push button. It receives the information, such as alarm type and localization, and then decides how to continue:

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5   Dual Tone Multiple Frequency

terminate the connection or establishing a voice connection and forwarding the call to a third party.

Note: off-hook mode/call answer = immediately (*function 47*)!

There are two types of key presses:
- Simple pressure, longer 1 s
- Double pressure, within 2 s

Alarm types

The first DTMF character in front of the coordinates is the reason for the transmission/ the alarm. Depending on the function activated, the following table shows the different types:

1 = Emergency button, 2 * briefly pressed (= alarm, double pressure within 2 s)
2 = Press and hold the emergency call button (= test;> 1 s pressed)
3 = Resting alarm
4 = Motion alarm
5, 6 = not assigned
7 = low battery
8 = connected with CS
9 = removed from CS
0 = Localization info (**distyNotruf** was called for position inquiry)

The following tones are controlled by the following 'commands' (see also chapter "Indication tones"):
- DTMF character = * 1 → Locating sound on!
- DTMF character = * 2 → Amokalarm on!
- DTMF character = * 0 → Sound off! / Alternatively: by push button "short" + "long" (see sketch in the chapter "Indication tones").

Setting through DTMF

Different parameters can be alternatively set with the help of the DTMF technology. Speech contact is first established with the **distyNotruf** for this purpose and the remote subscriber sends the respective sign.

After recognizing the desired setting, in this case the introductory sign '**9', a one-minute countdown begins for the modification of the desired parameter.

Following successful programming, a positive acknowledgment tone will sound and the connection will be terminated.

Only one parameter can be modified.

- Authentication Code (AC)   `'* * 9 pin 5 <ac> #'`
  `( ac = 0..9, 4-/ 8- digits )`

- Volume of loudspeaker   `'* * 9 pin 1 <Volume value> #'`
  `( Volume value = 1 .. 5 )`

- Volume of ringing tone   `'* * 9 pin 4 <Volume value> #'`
  `( Volume value = 1..2 )`

- Emergency call number   `'* * 9 pin 2 <Calling number>`[6] `#'`
  `(Calling number max. 20 digits)`

- Busy call number   `'* * 9 pin 6 <Index>`[7]`<phone number> #'`
  `(phone number max. 20 digits)`

- Indication tone   `'* * 9 pin 7 <Ton type>`[8] `#'`

- Off-hook mode   `'* * 9 pin 8 <Mode> #'`
  `(Mode = 1: no call answering,`
  `2: answer by key,`
  `3: 2) +/ after time (40 s),`
  `4: immediately,`
  `7: confirmation (0/1),`
  `8: Special (xyz [n]),`
  `9: M.-programming on,`
  `0: M.-programming off)`

- Shock sensor[9]   `'* * 9 pin 3 <Value> #'`

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6   1st number = * → internal, = # → external number
7   Index = 1..4
8   Tone type: 0 = off, 1 = Location signal, 2 = Amok signal (see chap. „Indication tone")
9   Timeout = 2 minutes

```
                              (Value = 0: Off,

                                      1: Man down alarm,

                                      2: Man down horizontal,

                                      3: = 1) + 2),

                                      4: Man down accelerometer,

                                      5: = 1) + 4),

                                      6: = 2) + 4),

                                      7: = 1) + 2) + 4),

                                      8: Moved after timeout)


            pin: 4 digits. Required only if it is not 0000.
```

To avoid disturbing noises during transmission, it is advisable to switch off the microphone of the transmitting device/telephone.

Indication tones

Locating signal / Amokalarm

During a connection, a tone can be activated from the remote subscriber at the **distyNotruf**.
This is used, e.g. to support the search for the wearer of the tag after a "man down" alarm
→ location tone,
Or in the case of a general danger situation, to inform the wearer quickly
→ Amok - alarm, e.g. to leave the building in case of a fire alarm.

Via a "secret" key combination, the sound can also be switched off locally at the **distyNotruf**.

The following commands can be sent (see previous chapter):
- DTMF character = 1 → Locating tone on!
- DTMF character = 2 → Amok alarm on!
- DTMF character = 0 → Sound off! / Alternatively: by pressing the key "short" + "long" (see next sketch).

Definition of "secret" key combination
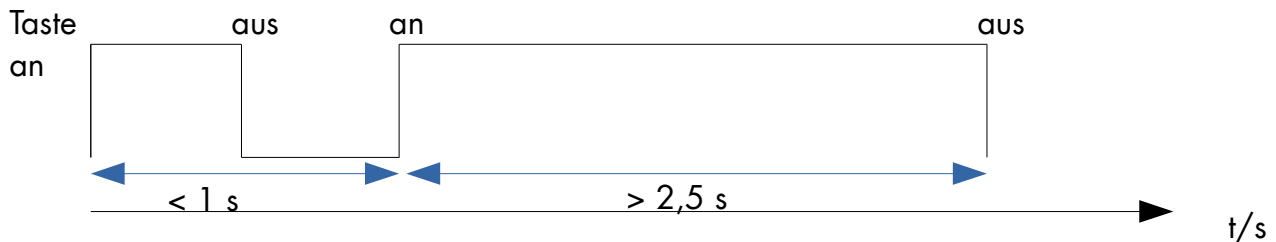
Configuration via microphone

To configure a **distyNotruf** without programming station, it is possible to adjust the parameter sent by DTMF tones through the microphone. This may be necessary if the base station uses an AC, which differs from the default setting.
As a prerequisite the **distyNotruf** must be unsubscribed.
The function is activated by pressing the alarm button. Both LEDs are illuminated.
Now the device will record the DTMF-tones via the microphone for the next 30 seconds.
For example, the setting of an AC = 0627 would be as follows: ** 9 5 0 6 2 7 #.

To generate those sounds, there are various possibilities. This can be done with a tone generator, a telephone, mobile phone or a PC - program. In the case of a telephone a connection is made to any subscriber. Then place the **distyNotruf** near the earpiece or speaker of the phone, push the button on the **distyNotruf** and now select the above-described combinations of numbers on the push button at the telephone.
The successful programming is indicated by a positive acknowledgment tone.
If you want to change other parameters, this procedure must be repeated accordingly.

Charging

The illumination of the red LED and a brief beep indicate the end of battery capacity. To charge, the **distyNotruf** is placed in a charging device (CS) designed for this purpose.

Charging takes approximately 4 hours for a complete charging cycle.

Power supply plug:

- 5 VDC, 500 mA (Type Europlug KA 1504001)

- Operating temperature: 0 °C to + 40 °C

- Storage temperature: - 20 °C to + 60 °C

Operating indications/status

Operating status can be read on the LEDs.

	Mode	**LEDs / Acoustic**
1	Connect with charging cable	"Beep" tone, red LED illuminates once
2	Remove from charging	Abort charging: red LED goes off
3	Charging (DECT activity on)[10]	Red LED flashes during charging and turns off when charging is completed (Flash rhythm: every second) Green LED as in 6) / 7) / 8)
4	Charging (DECT activity off)	Red LED flashes during charging and turns off when charging is completed (Flash rhythm: every second) Green LED is off
5	Battery status low	Red LED flashes once in every 30 seconds and beep tone[11]
6	Subscribed, registered	Green LED flashes once in every 10 seconds
7	Subscribed, out of range / searching for base station	Red LED flashes every second
8	DECT connection	Green LED is switched on
9	Alarm	Red LED flashes twice a second
10	Range (Limit)	Red LED flashes fast. Warning tone
11	Status on delivery (*Default*), Pressing the button	Red and green LEDs on
12	Programming through PC	Green & red LEDs are on
13	Programming through DTMF	Green LED flashes slowly

If the device is configured in such a way that DECT operation is continuously active, the meaning of the green LED during charging as stated in the above table.

If DECT activity is off, DECT operation will be stopped during charging.

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10 depending on setting
11 Tone stops after 5 min.

Package list

The following items will be found together with the **distyNotruf** in the box.

- **distyNotruf**
- two spring bars (*mounted*)
- Bracelet (*mounted*)
- Belt clip
- Neckband
- Users manual
- Card box
- Power Supply and Cable

Technical Data

- DECT – GAP, EN 300 444 (Frequency range & Output power: compliance with EU/EFTA and AUS)

- Plastic housing, 57 mm x 42 mm x 15 mm

- Weight is approximately 30 g

- Protection class IP 65

- Stand-by time > 120 hours[12]

- Talk time: > 4 hours

- Charging/ Programming method: Power supply and cable

- Motion sensor

- Loudspeaker for acoustic signaling or speech output

- Button for emergency call and operation

- LEDs for operative display (2 colors)

- Microphone

- Lithium ion battery, Capacity: 450 mAh, 3,7 V,

  Charging time: about 4 hrs. for a complete charging cycle

- Operating temperature: - 10 °C bis + 40 °C[13]; Storage temp.: - 10 °C bis + 60 °C
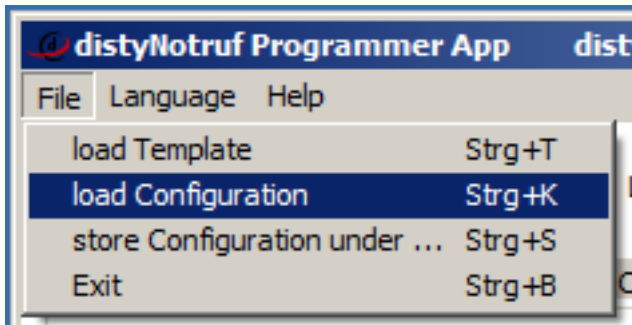
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12 In environment temperature of + 20 °C
13 Charging up to max. environment temperature of + 35 °C!

distyNotruf ᴾʳᵒ, Operating instructions

distyNotruf ᴾʳᵒ, Operating instructions
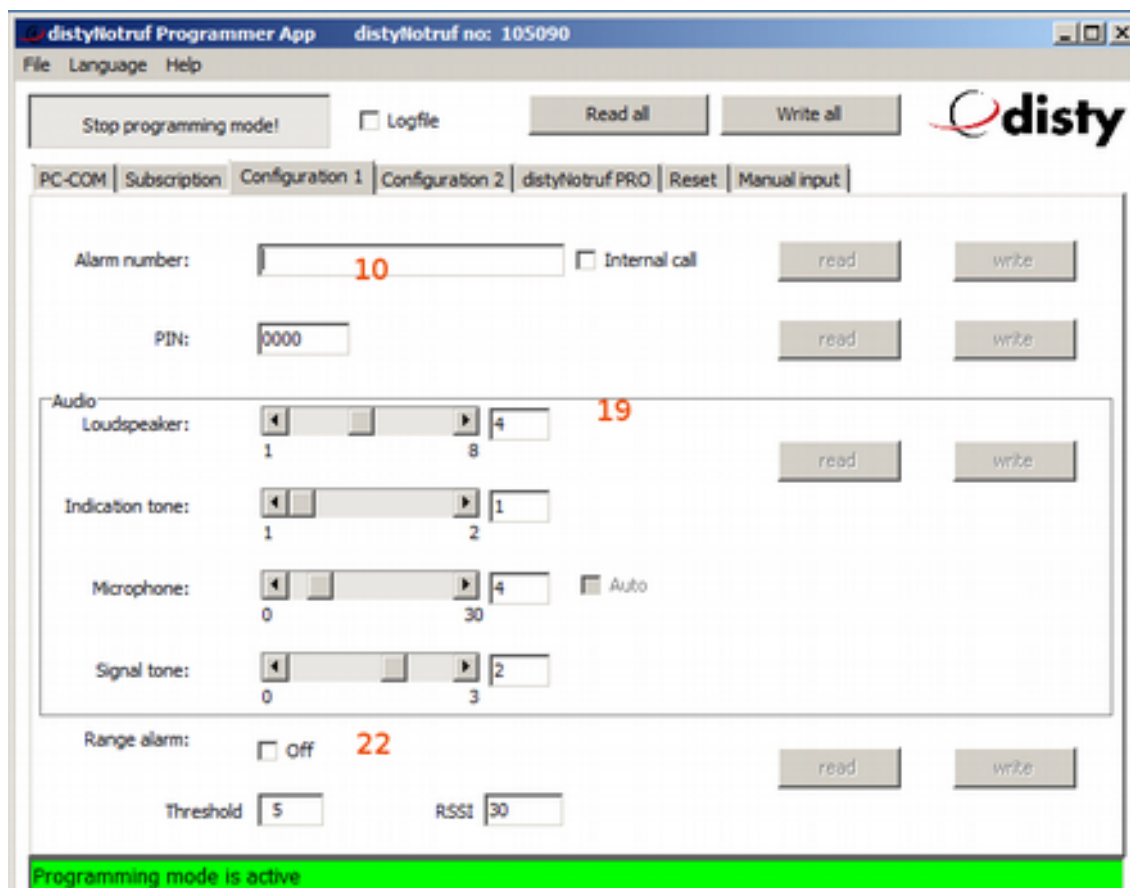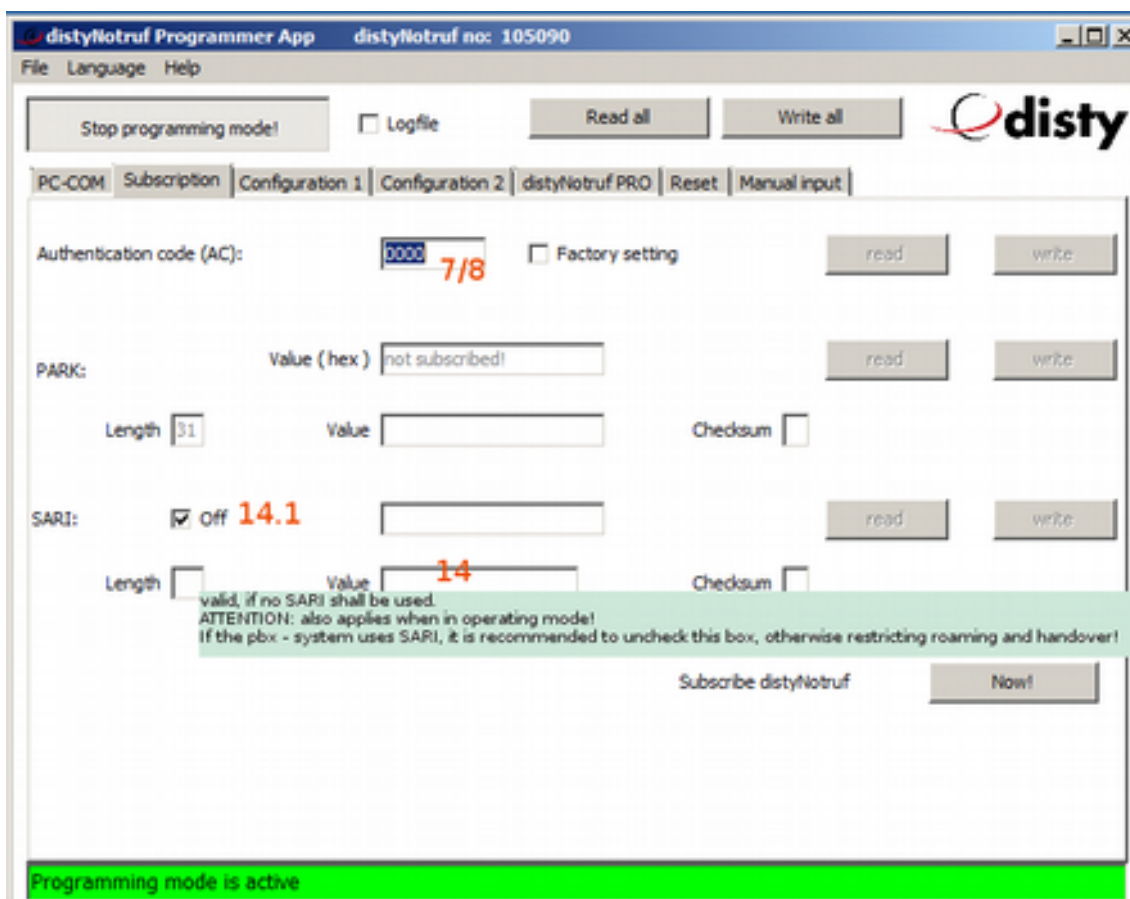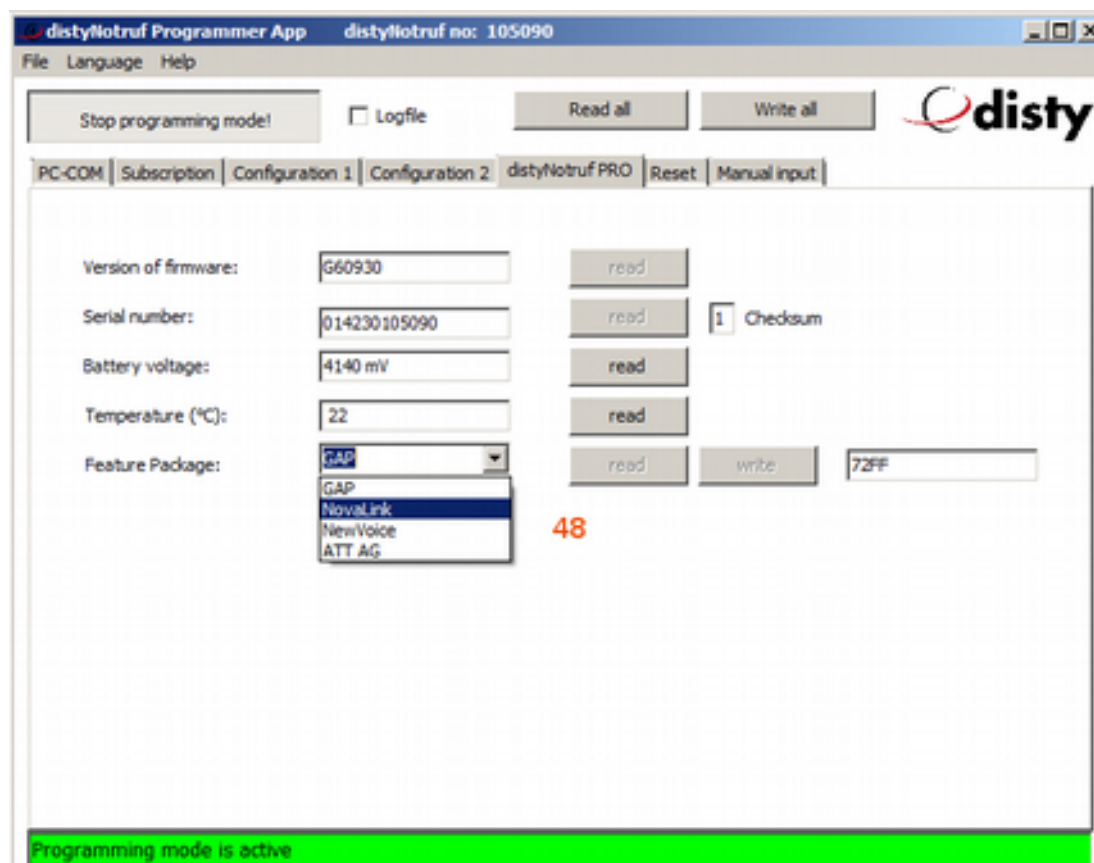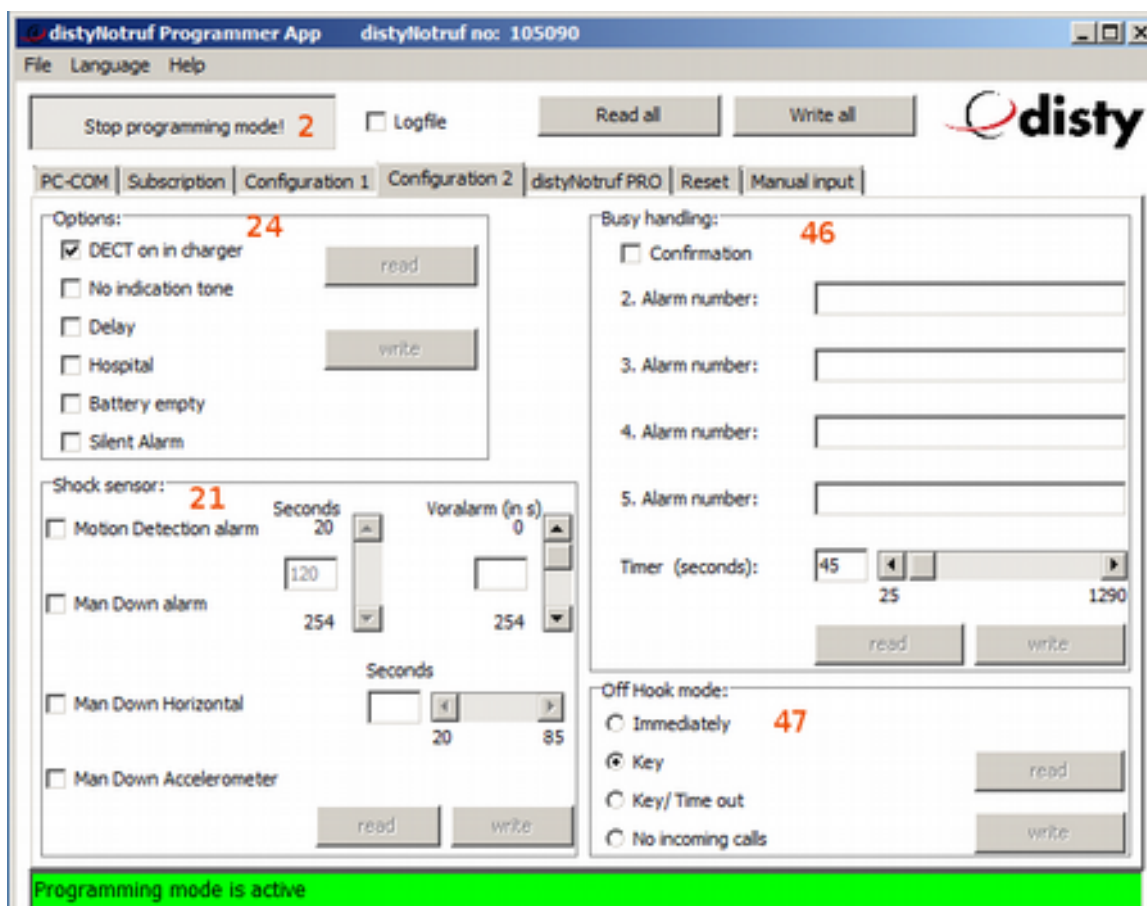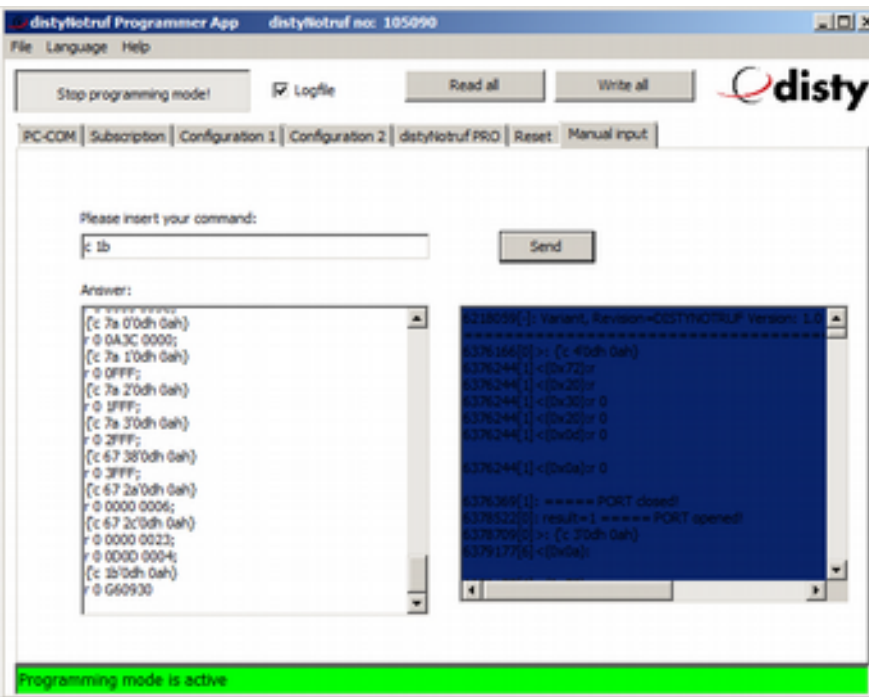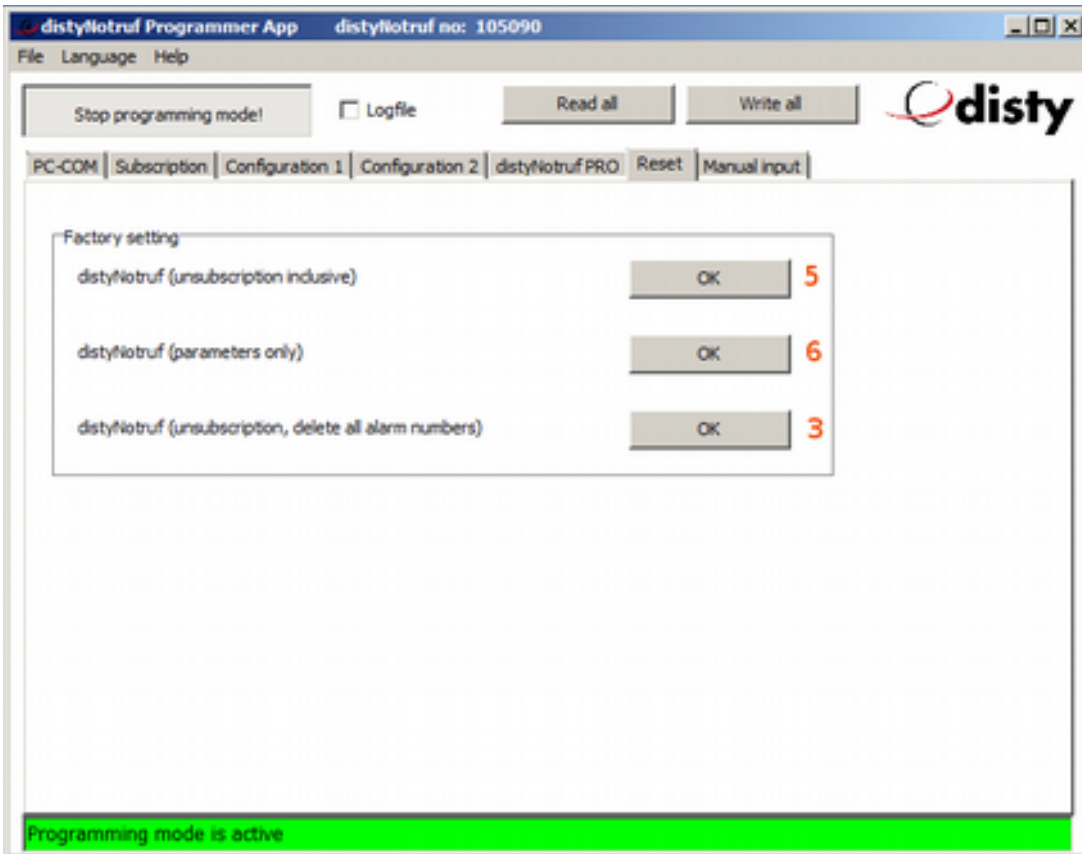
If the "Logfile" checkbox is selected, a blue window will be opened whose contents will also be written to a file (example: logfile_16-09-20_15'06'09.txt).
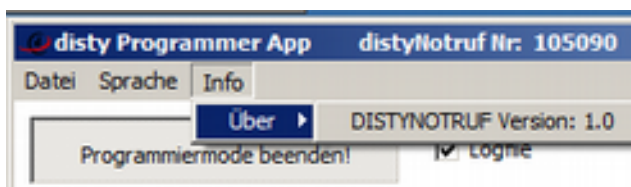
- Load Template: Load a given parameter set into one or more devices.
- Load Configuration: Set a specific configuration.
- Save configuration as: save the settings of a connected device to a file. Can be read in again using the

previous function.
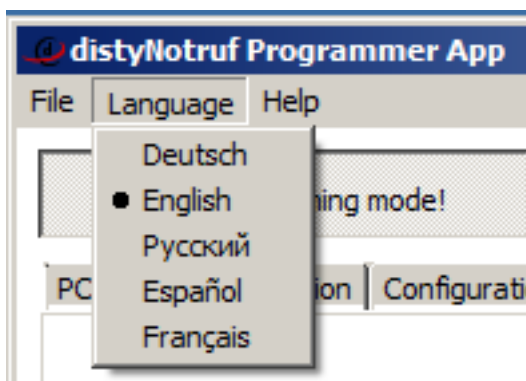
Language selection for display in the Programmer app in various languages.

Display of variant and version.

Product approval/ CE mark

Disty communications GmbH hereby declares that the **distyNotruf** conforms to the fundamental requirements and other relevant regulations stated in Directive 1999/5/EU (Radio and Telecommunication Terminal Equipment, R&TTE). Conformity is declared by the CE mark.

The full declaration of conformity can be viewed on our website: http://www.disty.de.

Table of pre-programmed phone numbers

	Phone number	Note (Name)
1		
2		
3		
4		
5		

More information and/or contact:

Service, Monday to Friday, 9 am – 5 pm, phone: +49 (0)4 31/3 64 58-22

Operating instructions **distyNotruf**

disty communications gmbh

Holzkoppelweg 14

D - 24118 Kiel   Version 1.0

Germany   Edition 10/ 2016