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# Introduction

## Dear driver

Thank you for having decided on this radio.

With this original smart accessory, you will always enjoy an optimum radio reception quality. Please read this user manual carefully and keep it in a safe place for later reference. Observe the safety instructions.



### Warnings

Warnings are intended to make you and others aware of the possibility of accidents and dangers which may result in injuries to yourself or others.

It is essential that you read the sections marked with the warning sign.

## >Note!

As the scope of the delivery depends on the order placed, the equipment in your vehicle may deviate from that shown in some of the descriptions and illustrations. In order to adapt our vehicles to the ever-advancing technologies available, we must reserve the right to make changes to design, equipment and technology.

Therefore no claims can be derived from any of the specifications, illustrations or descriptions in these operating instructions.

## Warranty for accessories and replacement parts

smart gmbh grants a warranty of 24 months without kilometre limit for this replacement part or accessory part. The warranty conditions printed in the smart Service Manual are valid.

## Installation in the smart Center

Your radio has been installed in your smart Center. It is located in the centre console of your smart.

## Radio variants

This user manual describes the functions for a fully equipped radio.

This means:

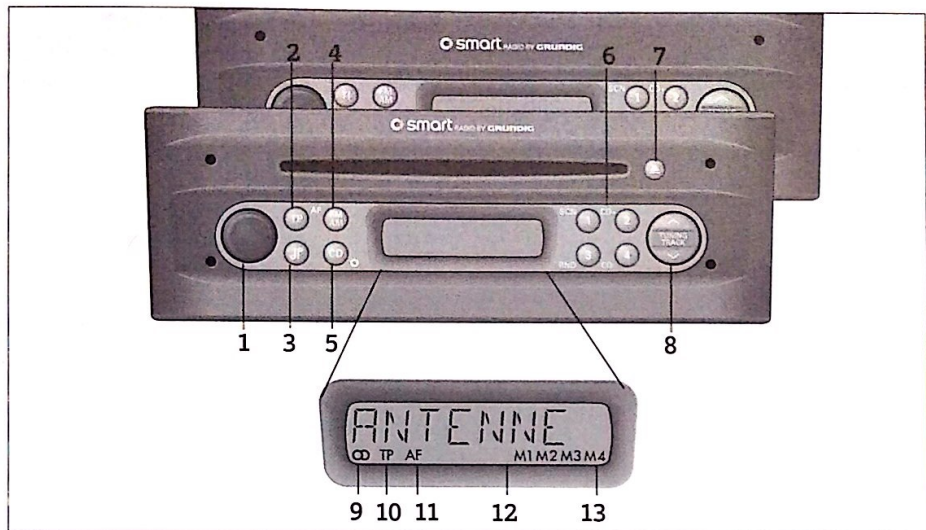
- Radio mode
- CD mode
- CD changer mode
- Sound package mode
- Car telephone mode

For your radio applies the description of the corresponding equipment.


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## Brief instructions



### 1 Left knob

- Turn on/off
-  Volume control

### 2 • TP ON/OFF • AF ON/OFF

### 3 • Bass Treble Balance Loudness

### 4 • Radio mode Switching from FM to AM

### 5 • CD mode CD changer mode • EXPERT Select EXPERT settings End EXPERT settings

### 6 Station buttons

Radio mode:

- Select station
- Store station

CD mode:

- Scan on/off
- Random on/off
- Select CD

### 7 Eject CD

### 8 Radio mode

- RDS-Scan
- Manual station search

**EXPERT mode**

- Change settings

**CD or CD changer mode**

- Scan

### 9 Stereo


### 10 Station button

### 11 Alternative frequencies

### 12 Variable display

### 13 Station button number

**Key:**

- Press briefly
- Hold down (approx. 1 sec.)
-  Turn

## Information in the display

### General

»VOL 19«	Volume
»BASS 00«	Bass
»TREB 00«	Treble
»BAL L--R«	Balance, right/left
»LOUD ON«	Loudness on, better sound impression at low volume
»LOUD OFF«	Loudness off
»PHONE«	Telephone mode; the car radio is muted
»SOUND 1«	The sound settings are stored on button 1

### Radio mode

»RF ON«	Automatic change to alternative frequencies in the case of poor reception
»RF OFF«	No automatic AF change
»MAN«	Manual frequency tuning
»MW«	Mediumwave band
»LW«	Longwave band
»TP«	Radio traffic announcements activated
»CD«	Stereo reception

### CD mode

»DISC«	CD loaded
»SCAN ON«	Every title is played for approx. 10 seconds
»RND ON«	Tracks played in random order

### CD changer mode

»SCAN ON«	Every track is played for about 10 seconds
»RND ON«	Tracks played in random order
»MAGAZINE«	CD magazine missing or not latched in place
»SURFACE«	CD inserted incorrectly or soiled/damaged
»NO COMMU«	Data transmission interrupted

### Expert settings

»TRVOL 18«	Basic volume for traffic announcements
»PHVOL 20«	Basic volume for telephone calls
»PHONE OFF«	No evaluation of telephone connection
»PHONE ON«	Sound mute during a telephone call

»PHONE IN«	Sound mute and playback of telephone conversation via the radio loudspeakers
»REG ON«	Automatic change to another regional station enabled
»REG OFF«	No change to another regional station possible
»IGN ON«	The radio is switched on and off with the ignition switch
»IGN OFF«	The radio is switched on and off with the left control knob
»BEEP ON«	Signal tone on
»BEEP OFF«	Signal tone off
»AM ON«	AM range can be selected.
»AM OFF«	AM range cannot be selected
»SAFE«	Theft protection activated.
»CODE«	Theft protection deactivated



## Please note

smart RADIO BY GRUNDIG	
Model Type	
Serial No.	
Code No.	
<small>Die Identity Card dient als Eigentumsnachweis mit individuellem Sicherheitscode und erleichtert bei Verlust des Gerätes die Schadensabwicklung. Vor fremdem Zugriff schützen.</small>	
<small>The identity card serves as evidence of ownership with individual security code and facilitates the settlement in the case of theft of the unit. Keep the document safe.</small>	

### Identity Card

The Identity Card of your radio contains

- The model,
- The serial number and
- The code number

for the theft protection system.

The serial number is identical to the number embossed in the frame of the radio. The Identity Card facilitates criminal investigation in case of radio theft and speeds settlement of an insurance claim by providing evidence of ownership.

### >Attention!

Keep the Identity Card in a safe place, out of reach of unauthorised persons.

### CE

This radio corresponds to the EMC protective requirements (EC directive 89/336 EEC) according to the EN 55013 and EN 55020 norms.

### Your contribution to road safety



#### Danger of accidents!

Concentrate on the road at all times. Do not allow yourself to be distracted during driving by setting the volume too high or by reading the RDS text. Otherwise you will endanger both yourself and others.


If you are not giving the traffic your full attention, you are a danger to yourself and others. Listen at a volume which still allows you to hear outside noises such as horns, emergency vehicles and police cars.

Only read the RDS texts when the vehicle is at a standstill.


# Switching on and sound settings

## Switching on and sound settings

### Switching on and off

1. Switch on the radio  
Press the left  control knob.
2. Switching on with the ignition switch  
This function is only possible if »IGN ON« has been selected in the **EXPERT** settings (see **EXPERT** settings).


### Switching on with the ignition switched off

- With the ignition switched off, press the left  control knob.
  - If the ignition remains off, the radio switches off automatically after about 30 minutes to prevent discharging of the car battery.




### >Note!

It is possible to switch the car radio on again for another 30 minute period.


### Volume

- Turn the left  control knob.
  - > The display indicates:  
»VOL 00«. .... »VOL 46«:  
»VOL 00«: very low  
»VOL 46«: very high


### BASS

- Press the  button **1x**.
  - > The display shows:  
»BASS -14« ... »BASS 00« ...  
»BASS +14«
- Press the  or  button to change the setting.
  - »BASS -14«: Bass min.
  - »BASS 00«: Normal setting
  - »BASS +14«: Bass max.




### Normal setting

- Hold down the  button.
  - > You will hear a signal tone.


### Ending the setting

- Press the  button **4x**, or another function button **1x**, or the setting is ended automatically after 6 seconds.


### TREBLE

- Press the  button **2x**.
  - > The display indicates:  
»TREB -14« ... »TREB 00« ...  
»TREB +14«
- Press the  or  button to change the setting.
  - »TREB -14«: Treble min.
  - »TREB 00«: Normal setting
  - »TREB +14«: Treble max.

### Normal setting

- Hold down the  button.
  - > You will hear a signal tone.

### Ending the setting

- Press the  button **3x**, or another function button **1x**, or the setting is ended automatically after 6 seconds.

## Switching on and sound settings / Sound package

### Balance

- Press the **F** button **3x**.
  - > The display shows:  
»BAL (3I« ... »BAL L--R« ...  
»BAL 3I)«
- Press the **^** or **v** button to change the setting.
  - »BAL (3I«: high volume at left loudspeaker, right loudspeaker off.
  - »BAL (--)<: equal volume at left and right loudspeaker.
  - »BAL 3I)>: left loudspeaker off, high volume at right loudspeaker.

### Normal setting

- Hold down the **F** button.
  - > You will hear a signal tone.

### Ending the setting

- Press the **F** button **2x**, or another function button **1x**, or the setting is ended automatically after 6 seconds.

### Loudness

This function emphasizes the low frequencies at low volume levels according to the ear response curve.

- Press the **F** button **4x**.
  - > The display shows:  
»LOUD ON« or »LOUD OFF«
- Press the **^** or **v** button to change the setting.
  - »LOUD ON«: Sound improvement at low volume levels.
  - »LOUD OFF«: Normal sound at low volume levels.

### Ending the setting

- Press the **F** button **1x**, or another function button **1x**, or the setting is ended automatically after 6 seconds.

### Sound package

If you have acquired a sound package you may store different sound settings. You may store the different sound settings on the station buttons ① ② ③ ④.

### Storing the settings

- Adjust the bass, treble, balance and loudness to suit your taste.
- While you are in the sound setting menu, press one of the ① to ④, buttons until the signal sounds.
  - > The display indicates:  
»SOUND I«.
  - > The settings are stored.

### Calling up the settings

- Press the **F** button **1x**.
- Press one of the station buttons.
  - > You hear the stored sound settings.



# Radio

## Important information

With this radio you receive **RDS** signals (**RDS** = Radio Data System) in the FM band which are transmitted in addition to the normal radio programmes.

**RDS** has the following advantages:

- If the station can be identified, the station name, for example, »*SUR 3*« also appears in the display.
- You may adjust the radio so that you can still receive the selected station even if you are driving in another reception area. In this case, the radio searches automatically for an alternative reception frequency (**AF**).

## FM reception

Your radio covers the FM band of 87.5 to 108.0 MHz and has three buttons each for storing four stations:

»FM 1«

»FM 2«

»FM 3«

It is therefore possible to store 12 stations on the station buttons.

## AM reception

Your radio covers the MW band of 531 kHz to 1602 kHz and the LW band of 153 kHz to 271 kHz.

You may store 4 stations on the station buttons ① to ④.

## Switching to radio mode

If you were previously playing a CD:

- Press the **FM/AM** button.
  - > You hear the station last selected.
  - > The display indicates »FM« or »AM« depending on the last selected range.
- Press the **FM/AM** button again.
  - > You will switch between the »FM 1«, »FM 2«, »FM 3« or »AM« ranges.
  - > You will hear the last station selected in this bandwidth.

## Automatic station search

- Select the desired bandwidth.
  - > The display indicates:  
»FM 92.70«

- Press one of the buttons  $\wedge$  or  $\vee$  to select the desired search direction.
  - Up: forward station search.
  - Down: reverse station search.
  - > The automatic search stops at the next station.

## Searching for traffic programme stations

- This function can be switched on and off with the **TP** button (Traffic Programme).
  - > **TP** appears in the upper right corner of the display as long as the TP function is activated.
  - > If **TP** is activated, the automatic search only stops when it finds a radio traffic announcement station.

## Storing stations

- Press the desired station button until the signal sounds.
  - > The station is stored on the station button.
  - > The display shows:  
M1, M2, M3 or M4.



# Radio

## Alternative frequencies

You may adjust your radio in the FM range so that the selected station can still be received even if you drive in another reception area.

The radio then searches automatically an alternative frequency (AF) providing the best possible reception quality.

- Press the TP button until the signal sounds.

> The display shows:

»*RF ON*« or »*RF OFF*«.

You can switch between »*RF ON*« and »*RF OFF*«, by pressing the **TP** button repeatedly.

- Press the TP button repeatedly.

### >Note!

In normal circumstances, set your radio to »*RF ON*« on.

If your radio switches in one reception area continuously between several frequencies, thus disturbing reception, you may adjust the radio so that it remains on the set frequency.

- To do this, select the »*RF OFF*« setting.

### >Note!

If you store a station on one of the station buttons, the »*RF ON*« or »*RF OFF*« setting is also stored.

## Manual frequency tuning

- Select the desired range.
- Press the  $\wedge$  or  $\vee$  button until the signal sounds.
  - > The display indicates:  
»*MAN*« and the frequency selected.
- Press one of the  $\wedge$  or  $\vee$  buttons to select the desired search direction.

## Manual frequency tuning

Fast tuning

- Press one of the  $\wedge$  or  $\vee$  buttons then release it.

## Finetuning with the preset frequency steps

- Briefly press one of the  $\wedge$  or  $\vee$  buttons then release it.

## Ending manual frequency tuning

- Either press one of the station buttons ① ② ③ ④, or allow the setting to end automatically after approx. 1 minute.

## Storing stations

- Press the desired station button until the signal sounds.
  - > The station is stored on the station button.

## Traffic announcements (TP)

You will only receive radio stations broadcasting traffic announcements if **TP** (TRAFFIC PROGRAMME) is visible in the display.

# Radio

## Switching TP on and off

- Press the **TP** button.

### >Note!

If the station tuned to is not a traffic programme station and the **TP** function is activated, the radio starts the station search automatically to tune to the next TP station. This is the case even when you are playing a CD.

## Hints to traffic announcements

1. During a traffic announcement the CD playback is stopped. Press the **TP** button if you wish to return to CD playback during the traffic announcement.
2. You will hear only traffic announcements if you set the volume level during normal operation to »VOL 00« using the left O control knob.
3. Traffic announcements come through with a basic volume which can be adjusted in the EXPERT settings under **TA VOL** (see EXPERT settings chapter).  
During the announcement you may adjust the volume level to suit your taste with the left O control knob.
4. If you are tuned to a station which does not broadcast traffic news, the device automatically searches for the next station that does.  
If no alternative frequency can be found, the learn search function is started.

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## CD mode

### Switching to CD mode

- Insert a CD into the CD compartment.
  - > The display shows:  
»DISC« then »TO1 00 00«
- If you are in radio mode and a CD is loaded: press the CD button.
  - The display shows:  
»DISC« then »TO1 00 00«

### Selecting or repeating a track

- Press the  $\wedge$  button.
  - > The next track is played.
- Press the  $\vee$  button.
  - > The previous track is played or the current title is repeated.
- Press the  $\wedge$  or  $\vee$  button repeatedly until the number of the desired track appears in the display.

### Fast forward and reverse

- Press the  $\wedge$  button to fast forward and hold it down.
  - > The tracks are played at high speed with reduced volume level.
- Press the  $\vee$  button to rewind and hold it down.
  - > The tracks are played at high speed with reduced volume level.

### Scan function

- Press the **SCN** button.
  - > Every track on the CD is played for about 10 seconds.
  - > The display shows:  
»SCAN ON« then »TO1 00 00«

#### >Note!

If you wish to end the scan function or to hear a title completely, briefly press the **SCN** button.

### Playing titles in random order

- Press the **RND** button.
  - > The display shows: »RND ON«.
- Press the  $\wedge$  or  $\vee$  button to select another random track.

#### >Note!

If you wish to end the RND function or to play the tracks one after the other, briefly press the **RND** button.

- > The display shows: »RND OFF«.

### Switching TP on and off

- Press the **TP** button.

### Ending CD mode

- Press the **FM/AM** button.

### Ejecting the CD

- Press the  $\blacktriangle$  button.

#### >Note

If the ejected CD is not removed within six seconds, the device will automatically pull it back in again for safety reasons.



#### >Warning!

Multimedia CDs not only contain audio tracks but also data tracks. If, despite the warning instructions, you play one of these CDs, it may produce noises at a traffic-endangering volume.

It can also damage the amplifier and the loudspeakers.



## CD mode with the CD changer

### Important information

The CD changer has been installed in your smart Center.

It is located below the passenger seat of your smart.



#### >Warning!

Multimedia CDs not only contain audio tracks but also data tracks. If, despite the warning instructions, you play one of these CDs, it may produce noises at a traffic-endangering volume.

It can also damage the amplifier and the loudspeakers.

### Switching to CD changer mode

- Press the CD button repeatedly until »CD I« appears. The display shows for example:

- I: 1st CD
- TOI: 1st title (track)
- 01:15: Playing time of the 1st track in min:sec

### Selecting a CD

- Repeatedly press one of the station buttons ① (CD-) or ④ (CD+) until the number of the desired CD appears in the display.

- > The corresponding CD is loaded and played.

### Selecting or repeating a title

Repeatedly press the ^ or v button until the number of the desired track appears in the display.

### Fast forward and reverse

- For fast forward, press and hold down the ^ button.
  - > The tracks are played at high speed with reduced volume level.
- For fast reverse, press and hold down the v button.
  - > The tracks are played at high speed with reduced volume level.

### Playing every title on the CD for approx. 10 seconds

- Press the SCN button.
  - > Every title on the CD is played for about 10 seconds.
  - > The display shows:
    - »SCAN ON« then »TOI 00 00«

### >Note!

If you wish to end the scan function or to hear a title completely, briefly press the SCN button.

### Playing titles in random order

- Press the RND button.
- Press the ^ or v button to select another random title.

### >Note!

If you wish to end the RND function or to play the titles one after the other, briefly press the RND button.

### Ending CD mode

CD play is ended if

- The radio is switched off,
- you switch to radio mode.

- Press the FM/AM button.
- Press the CD button.

# EXPERT settings

## Important information

To make car radio operation as easy as possible, numerous settings that you need only occasionally are assigned to a single button (**EXPERT** settings).

## Setting the functions

- Press the **○** button, until you hear the signal tone to call up the **EXPERT** settings.
- Press the **○** button repeatedly until the desired setting, e.g., **»IGN ON«** or **»IGN OFF«**, appears in the display.
  - > In this case, the "Switching on/off with the ignition switch" function is switched on or off.  
(All possible settings are explained under "Summary of possible settings".)
- To change a setting, press the **^** or **v** button until the desired setting appears in the display.
- End the expert settings by pressing the **FM/AM** button.

## Summary

The following functions can be changed in the **EXPERT** control level

1. **Basic volume level for traffic announcements**  
(Traffic Announcement **VOLUME**)
  - **»TRVOL...«**: adjustable from **»TRVOL 05«** to **»TRVOL 35«**



### Danger of accidents!

Concentrate on the road at all times. Do not allow yourself to become distracted by setting the volume too high.

The announcement volume should be set at volume which still allows you to hear outside noises such as horns, emergency vehicles and police cars.

2. **Basic telephone volume level**  
(**PHONE VOLUME**)

The basic volume level for your telephone can be adjusted to suit your taste. To make a setting, it is necessary that you are conducting a telephone call when the vehicle is at a standstill. Only in this way may you use the **^** or **v** button to adjust the volume level to your convenience.

- **»PHVOL 05«**: min volume
- **»PHVOL 35«**: max. volume.

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## EXPERT settings

### 3. Muting in phone mode with car telephone

(see also the "Car telephone" chapter)

- »PHONE OFF«: no evaluation of the telephone connection.
- »PHONE ON«: when a telephone call is received, the car radio is automatically muted.
- »PHONE IN«: when a telephone call is received, the car radio is automatically switched on, muted if necessary, and the telephone call is heard via the loudspeakers.

### 4. Automatic change of the regional programme

If an RDS programme consists of various regional stations, it may occur that your car radio switches between these regional stations.

- »REG ON«: autom. switching to another regional programme enabled.
- »REG OFF«: automatic switching to another regional programme disabled.

### 5. Switching on and off with the ignition/starter switch

- »IGN ON«: The radio is turned on and off with the ignition/starter switch.
- »IGN OFF«: switching on and off only with the left control knob O. With the »IGN OFF« setting, the radio is switched off automatically 30 minutes after switching off the ignition to prevent the car battery discharging.

### 6. Sound signal on/off

- »BEEP ON«: a signal sounds to confirm that a button has been pressed a longer time to carry out a certain function. This provides you with an acoustic acknowledgment, meaning you do not have to look at the display.
- »BEEP OFF«: no signal sounds.

### 7. Locking the AM range

- »AM ON«: the AM range can be selected with the **FM/AM** button.
- »AM OFF«: the AM range cannot be selected with the **FM/AM** button. Radio reception is only possible in the FM range.

### 8. Theft protection activated/de-activated

- »CODE«: theft protection de-activated.
- »SAFE«: theft protection activated.



## Car telephone

You may connect a car telephone to your car radio.

In the **EXPERT** mode you have the choice between three settings:

1. The radio does not respond to the telephone (**PHONE OFF**).
2. When a telephone call is received, the car radio is muted (**PHONE ON**).
3. When a telephone call is received, the car radio is muted and the telephone conversation is heard via the loudspeakers. If the car radio is switched off at the time of the call, it is automatically switched on (**PHONE IN**).

### >Note!

During a telephone call, »*PHONE*« appears in the display and all functions except volume and on/off are disabled.

If you change the tone and balance settings during a telephone call, these remain stored for the next telephone call.

When switching back to radio reception, the device switches back to the previous tone and balance settings.

# Theft protection

## Important information

Your radio is equipped with a theft protection system (coding) which you may activate or de-activate.

- After activating the theft protection, the radio is electronically locked as soon as it is removed or disconnected from the car battery of the smart.
- The radio is theft-protected.
  - > If no code number is entered, the radio cannot be operated and is therefore worthless to thieves.
- You can only operate the radio again by entering the code number.
  - > The code number can be found on the Identity Card of the radio.
  - > If you should lose the code number (Identity Card), only your smart Center can put the radio into operation again.

If the theft protection system is not activated,

- You may operate the radio again without entering the code number.
- The radio is not theft-protected. The theft protection system has been activated at the factory.

## Checking the theft protection system

- Press the **●** button until the display indicates »SAFE« or »CODE«.
  - > »CODE«: theft protection is activated.
  - > »SAFE«: theft protection is not activated.

## Activating/de-activating the theft protection

- Repeatedly press the **●** button until the display indicates »CODE« or »SAFE«.
- Press the **^** or **v** button.
  - > The display indicates:  
»----« or »!----«

- Enter the code number (see the Identity Card) as follows.

- > Repeatedly press one of the station buttons ① ② ③ ④ until the code number appears in the display.
- > If the button is held down the number counts down.


> Example »1904«		Display
Button ①	press 1 x	»! /---«
Button ②	press 9 x	»! /9--«
Button ③	press 10 x	»! /90-«
Button ④	press 4 x	»! /904«

- Press the **●** button briefly to confirm the code number.
  - > The display shows:  
»SAFE«/»CODE«
  - > The theft protection is activated/de-activated.
  - > Wait or press another function button.

# Theft protection

## Putting the radio into operation again

When the theft protection is activated, the radio is electronically locked after it has been disconnected from the car battery (or permanent plus, terminal 30) of your smart, for example, when the radio is removed.

- Switch the radio on.
  - The display indicates »SAFE«
  - After three seconds, the display indicates »! ----«
- Enter the code number as described in the chapter "Activating the theft protection".
- Briefly press the  button to confirm the code number.
  - > The radio is fully operational again.
  - It may be that the radio performs a learn search.

## You have entered the wrong code number

- »SAFE« remains in the display.
- The radio does not play.
- Begin again.
- Be sure to observe the waiting times between the attempts.

## >Note!

After every wrong entry the waiting time till the next possible entry is increased.

## Waiting times

To prevent putting into operation again and deactivating the theft protection being possible by trial and error, waiting periods are provided between the attempts.

- During these waiting times all entries for the car radio are disabled.
- It is not necessary that the radio is switched on during the waiting times.
- As long as »SAFE« can be seen in the display, the waiting time has not yet elapsed.
- The waiting time is over when the number of the next attempt is visible in the display (e.g. »2 ----«).

The following table shows the waiting times between the individual attempts.

- The waiting time after the 7th attempt is always 24 hours!
- After the 6th attempt we recommend that a smart Center puts the device into operation again and deactivates the theft protection.

Attempt (in the display)	Waiting time (approx.)
1	21 sec.
2	1.5 min.
3	5.5 min.
4	22 min.
5	1.5 hrs.
6	6.0 hrs.
7	24 hrs.