

# EASY SO-120

FM/DAB+ RADIO WITH BLUETOOTH®



Operating manual

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# 1. Introduction

Thank you for purchasing EASY. This operating manual and the safety manual provide all the information required for trouble-free and safe operation of EASY.

- Read the operating manual and the safety manual in their entirety before using EASY.
- Keep the operating manual and safety manual for future reference.
- If you pass EASY on to a third party, please provide them with the operating manual and safety manual as well.
- Failure to follow the operating manual and safety manual can result in serious injury or damage to EASY.
- We assume no liability for damage resulting from failure to observe the instructions in this operating manual and safety manual.

The images in this operating manual are intended to illustrate the actions necessary to operate EASY.

Enjoy your EASY!

## 1.1 Contact data

|          |  |
|----------|--|
| Adresse  | sonoro audio GmbH,<br>Nordkanalallee 94,<br>D-41464 Neuss, Germany |
| Telefon  | +49 2131 8834-141  |
| Fax      | +49 2131 7517-599  |
| E-Mail   | support@sonoro.de  |
| Internet | www.sonoro.de  |

## 1.2 Intended use

EASY is intended for personal use only. It is not intended for industrial use. EASY is solely intended for the following tasks:

- Playback of FM/DAB+ radio.
- Audio playback from external devices connected via AUX In.
- Audio playback from Bluetooth-enabled devices (e.g. mobile phones).
- Charging of external devices that are connected via the USB port while external adapter is connected.

Any other use is considered improper use and is prohibited. We assume no liability for damages resulting from improper use.

# 2. Getting to know your EASY

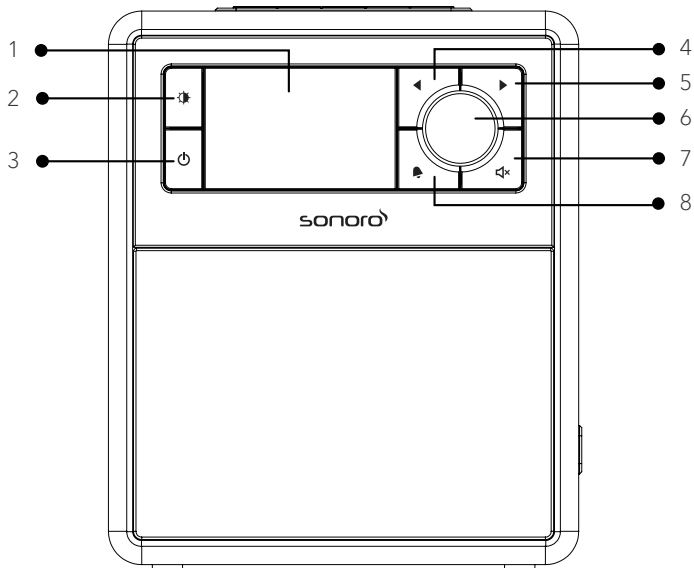
## 2.1 Scope of delivery

In addition to the EASY itself, the following accessories are also included in the scope of delivery:

- AC adapter with universal adapter (VDE and UK)
- Operating manual
- Safety manual

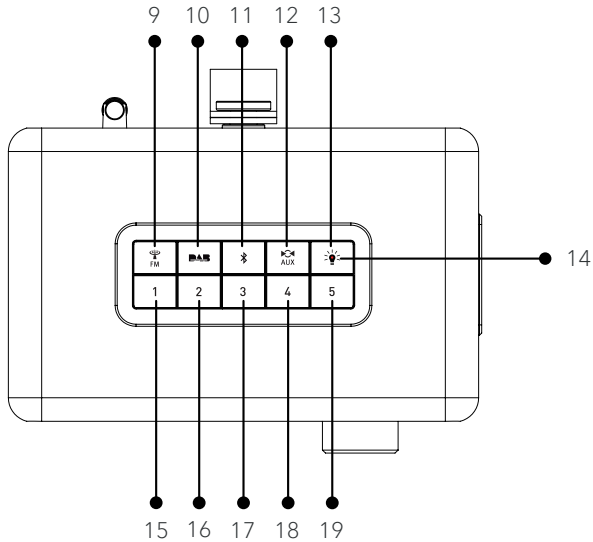
## 2.2 Controls and ports






### Front view



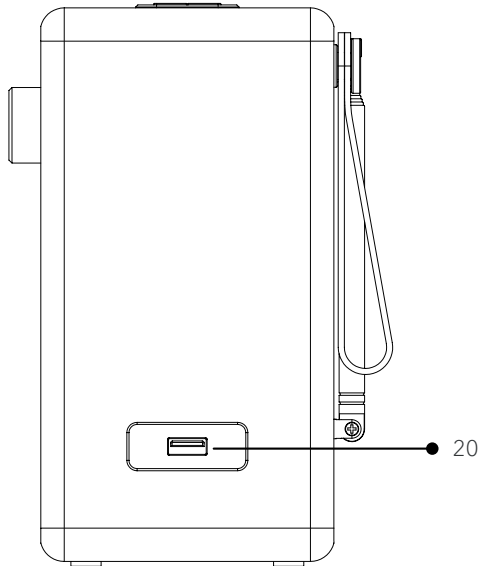
1. Display
2. Dimmer button (☀)
3. Standby button (⏻)
4. Left button, skip previous (◀)
5. Right button, skip next (▶)
6. Volume knob, OK button (press the knob)
7. MUTE button (🔇)
8. Alarm button (🔔)

## Top view



- 9. FM Radio (  )
- 10. DAB radio mode (  )
- 11. Bluetooth mode (  )
- 12. Auxiliary input mode (  )
- 13. Night lamp on/off button (  )
- 14. Night lamp indicator
- 15. Favorite button 1
- 16. Favorite button 2
- 17. Favorite button 3
- 18. Favorite button 4
- 19. Favorite button 5

## Side view

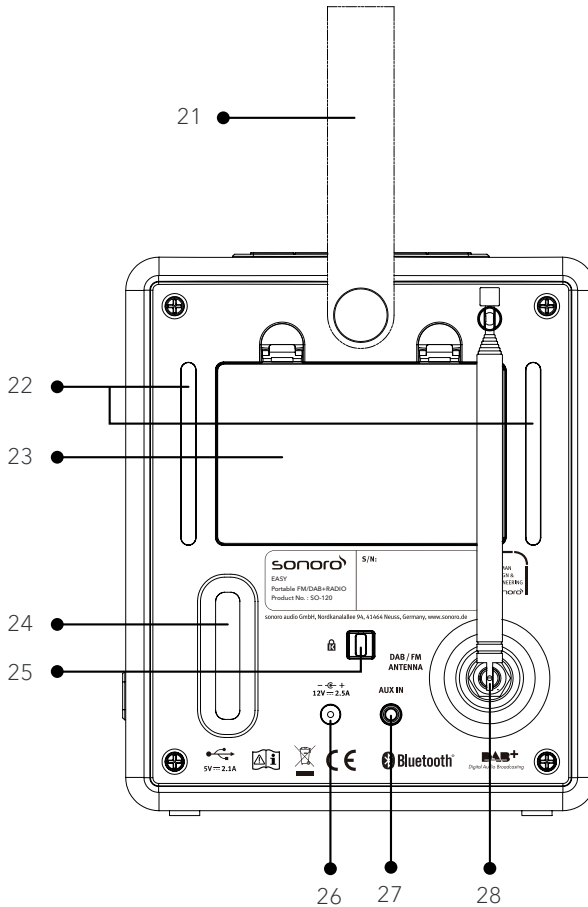


20. USB port for charging only





## Rear view

GB



- 21. Carrying strap
- 22. LED night lamps
- 23. Battery compartment
- 24. Bass reflex opening
- 25. Keylock (anti-theft protection)
- 26. DC power input jack
- 27. Auxiliary input (3.5mm)
- 28. FM/DAB antenna

## 2.3 Technical data

| Specification                          | Value   |
|--|---|
| Dimensions (W×D×H)                     | approx. 156 x 118 x 186 mm  |
| Weight                                 | approx. 1.6 kg  |
| Operating temperature                  | 0°C ~ +45°C   |
| Display                                | 2.4" TFT colour display   |
| Frequency range, FM                    | 87.50 MHz-108.00 MHz  |
| DAB/DAB+                               | Band III, 174.928MHz-239.200MHz<br>UPC DAB+ Cable, 174.928MHz-260.640MHz  |
| Bluetooth<br>Max.transmitted power     | Version 4.1<br>Profile : AVRCP v1.5, A2DP 1.2<br>2.402GHz-2.480GHz<br>< 4dBm  |
| AUX-IN                                 | 3.5 mm jack Sensitivity: 300 mV   |
| USB charging, while AC adapter plug-in | Output: DC 5V  2.1A  |
| AC adapter, power supply               | Kingwall Electronic Ltd.<br>Model: AS360-120-AD250<br>Input : 100-240V ~ 50/60Hz 1.2A<br>Output: 12.0V  2.5A |
| Batteries                              | 6 x 1.5V AA/LR6 alkaline batteries, or<br>6 x 1.2V HR6 rechargeable Ni-MH batteries   |
| Standby Power                          | < 1.0W  |

## 2.4 Marks of approval and certificates



The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by sonoro audio GmbH is under license. Other trademarks and trade names are those of their respective owners.

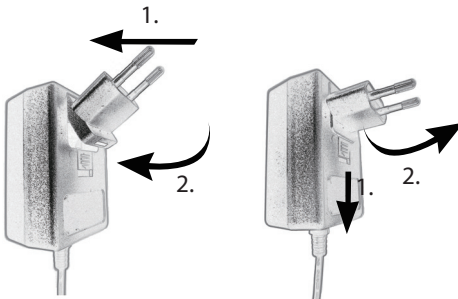
## 3. Getting started

### 3.1 Unpacking EASY

1. Take EASY out of the packaging and check whether EASY or the individual parts exhibit damages. If this is the case, do not use EASY. Should you detect any damage, contact your dealer or sonoro audio GmbH customer support immediately.
2. Check to make sure that the delivery is complete (see chapter "Scope of delivery").
3. Place EASY in a suitable location.
4. Remove the protective film from the display.

### 3.2 Connecting the power supply

1. Insert the top end of the adapter into the upper slot of the power supply.
2. Click the bottom end of the adapter in to lock it into place.
3. To remove, first pull back the tab on the power supply.
4. Pull the adapter upwards to remove it.

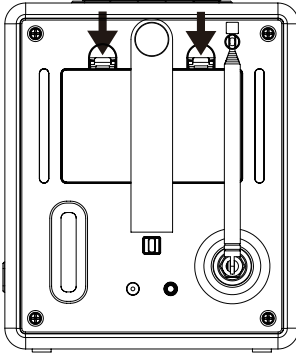


5. Insert the connector of the power adapter into the DC power input jack on the back of EASY.
6. Insert the power plug into a wall socket. EASY is ready to turn on.

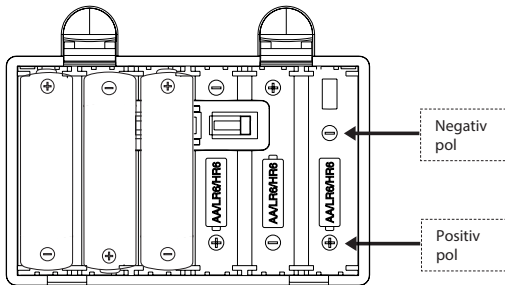
### 3.3 Battery operating using alkaline batteries

EASY can be powered via alkaline batteries.

1. Remove the battery cover on the back of EASY by pushing the catch down and lifting the cover off.



2. Install 6 pieces of 1.5V LR6 or AA alkaline batteries into the battery compartment.



Make sure that all batteries are inserted with the correct polarity as shown on the battery compartment.



If EASY is not to be used for any extended period of time, it is recommended to remove the batteries from the radio.

3. The battery indicator on the display shows the current state of charge of the batteries.



If EASY is operating with batteries, it is not recommend to connect any mobile devices to the USB port for charging in order to extend batteries operating time. Please plug-in the AC adapter to have the USB port charging function.

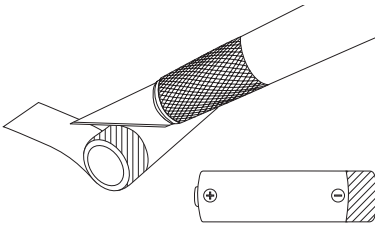


If EASY is operating with batteries, the display will automatic switch off after 60 second in order to save the power and extend the batteries operating time.

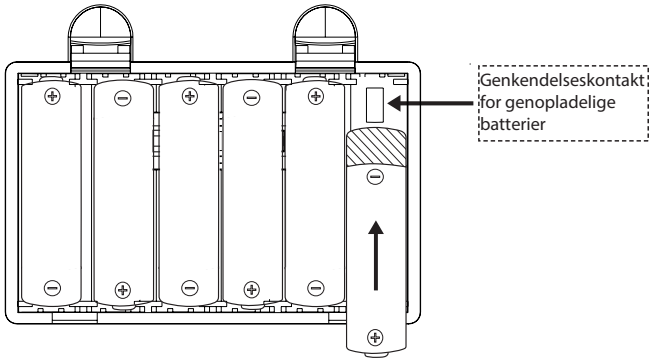
### 3.4 Battery operating using Ni-MH rechargeable batteries

EASY is designed with a Ni-MH battery charger.


1. For rechargeable batteries, it is vital that one battery jack is peeled off by 1 cm at the negative pole and installed in the right side of the battery slot. You will find a small metal contact that needs to be connected directly to the battery metal jack.



2. It uses an extra pin for this charging function. The pin is located in the right side of the inside of the battery compartment.



Make sure that all batteries are nickel-metal hydride (Ni-MH) batteries and do not mix them with alkaline batteries.

3. Plug the connecting plug of the adaptor into EASY into the DC power input jack on the back of the device.
4. Plug the power adapter into the AC main socket.
5. The battery charging indicator (  ) is showing on the display.

### 3.5 Using the antenna




1. EASY is pre-installed with the rod antenna located on the back.
2. Pull the rods of the antenna apart and align the antenna so that you have the best possible reception.



For a better reception, connect EASY to a suitable house antenna, screwing the external antenna to the EASY's FM/DAB socket.

### 3.6 First time using the radio










When EASY is powered on for the first time, the radio is automatically going to DAB mode. In order to get the DAB data to set the clock and date time automatically, please follow the procedure:

1. Extend the rod antenna.
2. Press (  ) button on EASY. EASY will automatically start scanning for a DAB radio signal. After a short time, the current time will appear on the display.
3. Alternatively, you can press (  ) button on EASY and press and hold (  ) to tune a good and strong FM station with the RDS signal broadcasting. Wait for a while, the current time will appear on the display.



If no signal is found, it may be necessary to reposition EASY in order to get a better reception.
















## 4. Basic operations

|  |   |
|--|---|
| To turn on,                            | Press  .<br>EASY starts the operation from the last selected playback mode.  |
| To turn off (standby mode),            | Press  .<br>The time and date (if set) are displayed.<br>EASY will automatically turn off without playback and operation after 15 minutes.   |
| To select a playback mode,             | Press one of the buttons on EASY (  ,  ,  ) switch from one operation mode to the other.             |
| To control the volume,                 | Rotate the volume knob on EASY.   |
| To mute or restore the sound output,   | Press (  ) on EASY.  |
| To set the sleep timer                 | At any operating mode, press and hold (  ) , then select the desired duration by volume the volume knob, and then press down the knob to validate your choice.   |
| To change the display brightness level | Press the (  ) button continuously to choose between the 5 different display brightness levels. Alternatively you can use the (  ) volume knob and then confirm by pressing the knob. |





# 5. Display icons

Please refer to the table below for the symbols shown in the display.

|   |  |
|---|--|
|    | Alarm is activated.                                    |
|    | Sleep timer is active.                                 |
|    | A Bluetooth device is connected.                       |
|    | Playback is paused.                                    |
|    | Music is playing.                                      |
|    | Radio signal is being received (with signal strength). |
|    | No radio signal is being received.                     |
|    | The radio station is saved in the favorite list.       |
|    | Sound output is muted.                                 |
|    | Battery is empty.                                      |
|    | Battery charged at a level of approx. 25%.             |
|    | Battery charged at a level of approx. 50%.             |
|    | Battery charged at a level of approx. 75%.             |
|   | Battery is mostly fully charged.                       |
|  | Battery is charging.                                   |

# 6. FM Radio mode

## 6.1 Operation

|  |  |
|--|--|
| To access the FM radio mode                            | Press the (  ) button on the EASY.  |
| To manually tune the frequency                         | Press the ◀ or ▶ button.<br>Or, press and hold the volume knob to activate the manual tune.  |
| To automatically tune to the next available station    | Press and hold ◀ or ▶.<br>Or, press the volume knob to start the automatic tuning.   |
| To store a radio station in the favorite list          | A maximum of 5 radio stations can be stored.<br>Tune to a station and then press and hold a favorite station (1-5) button during approx 3 seconds to directly store it in the preset list. |
| To recall a radio station in the favorite list         | Press a favorite station button (1-5) to access a stored preset station.   |
| To browse the radio station information (if available) | Press the (  ) button repeatedly.   |

# 7. DAB-Radio mode

## 7.1 Operation

GB


|   |   |
|---|---|
| To access the DAB Radio mode                            | Press the <b>DAB</b> button on the EASY.  |
| To search for DAB radio stations                        | The first time you select the DAB mode, or if the station list is empty, EASY will automatically perform a full scan and store all available stations in the station list.            |
| To tune to a station                                    | Press ◀ or ▶ to select the available stations. Use the volume knob to select the desired station from the list and confirm by pressing the knob.                                      |
| To manually tune the DAB frequency                      | Press and hold the volume knob to select the DAB frequency.   |
| To prune invalid stations and full scan                 | Press and hold ◀ or ▶ .   |
| To store a radio station in the favorite list           | A maximum of 5 radio stations can be stored. Tune to a station and then press and hold a preset station button (1-5) during approx. 3 sec. to directly store it in the favorite list. |
| To recall a radio station in the favorite list          | Press a favorite station button (1-5) to access a stored favorite station.  |
| To browse the radio station information* (if available) | Press <b>DAB</b> repeatedly.  |
| To zoom in slide show photo (if available)              | Press and hold <b>DAB</b> the button.   |


\*DAB information (if available) includes: Station name, Dynamic Label Segment (DLS), Signal strength, Program type (PTY), Ensemble Name, Frequency, Signal error rate, Bit rate and audio status, Codec, and Time and date.

# 8. Bluetooth mode

EASY can connect to Bluetooth-enabled players (e.g. mobile phone) within a range of approximately 10 meters (30 feet).

## 8.1 Pairing

1. Press  button on EASY.








The small Bluetooth icon  is blinking, indicating that EASY is ready for pairing.

2. On your Bluetooth-enabled player, turn on the Bluetooth function and search for available Bluetooth devices.

3. Select "EASY" in the list of available Bluetooth devices to start pairing.

4. The Bluetooth icon  stops blinking when pairing is complete.


## 8.2 Operation

|   |  |
|---|--|
| To access the Bluetooth audio mode,                         | Press the  button on the EASY.  |
| To start playback,  | Select an audio file from your Bluetooth-enabled player and start playback.  |
| To pause or resume playback,                                | Press the volume knob.   |
| To skip to the previous or next audio file,                 | Press  or  .                           |
| To quickly search backward or forward within an audio file, | During playback, press and hold  or  . |
| To disconnect the Bluetooth connection,                     | Switch to another playback mode, or press and hold  .   |
| To browse the information (if available) of the audio file, | Press the  button repeatedly.   |

# 9. AUX In mode

## 9.1 Operation

Your external player (e.g. mp3 player) must be connected to the auxiliary input jack of EASY with an audio cable (with 3.5 mm connector, not supplied).

|                                     |   |
|-------------------------------------|---|
| To access the auxiliary input mode, | Press the  button on the EASY. |
| To start and control playback,      | Perform all playback operations on the external player.   |

# 10. Alarm

## 10.1 Setting alarm

You can set the alarm.

1. Press and hold the  to access to the alarm setting mode.

You may also access to the alarm setting mode when EASY is in standby (off) mode.

To do so, press and hold the button .

- The following options show how to set the alarm. Rotate the volume knob or press the navigation buttons to perform the settings:

- [Time]

To set the alarm time.

- [Mode]

To select the alarm sound source. The following options are available:

- [FM radio]

- [DAB radio]

- [Buzzer]

- [Preset]

To select the last listened station or a preset station as the alarm sound source.


This is only showed when DAB or FM is selected in [Mode].

- [Volume]



To set the volume of the alarm sound.

- [Save]

To save the current settings.

Once [Save] is selected, the alarm settings will be stored. If an alarm is activated, the alarm icon () will appear.


## 10.2 Turning the alarms on or off

- When EASY is in operation mode or in the standby (off) mode, press  repeatedly to switch on or off the alarm.
- When an alarm is turned on, the alarm icon () will appear.

## 10.3 Deactivating a sounding alarm


- Press the  or  button, to stop a sounding alarm.


## 10.4 Snooze

- To temporarily disable (default 10 min.) an audible alarm, press the volume knob.
- Rotate the volume knob to change the snooze period (5, 10, 15 or 30 min).
- During the snooze period, the alarm icon will blink and the remaining snooze time will appear.
- To cancel the snooze function, press .

# 11. Sleep timer

The sleep timer sets the duration of time before EASY turns off automatically.

1. Press and hold  in any playback mode.
2. Rotate the turning knob to select a sleep timer from 5 minutes to 120 minutes with 5 minutes interval.
3. Press the volume knob to confirm the selection.

When the sleep timer is activated, the sleep timer icon () will appear. To cancel the sleep timer, select [Sleep OFF].


# 12. Settings

## 12.1 Time/date

When EASY is in standby mode, press and hold the volume knob to select the option.

- [Set Time/Date]  
To set time and date.
- [Auto Update]  
To select a source (Radio (FM/DAB), or no update) for automatic time update.
- [Set time format]  
To set 12 or 24-hour time format.
- [Set date format]  
To set three different date formats.
  - [DDD dd.mm.yyyy] : Current day, day month, year
  - [DDD mm.dd.yyyy] : Current day, month, day, year
  - [DDD Mmm dd,yyyy] : Current day, month (in words), day, year

## 12.2 Equalizer


When EASY is in any operating mode, press and hold the  button to select one of the sound equalizer options to adjust the sound according to your taste.

- [Bass]  
Adjust the bass level to tailor the sound of the audio playback.
- [Treble]  
Adjust the treble level to tailor the sound of the audio playback.
- [Loudness]  
Loudness on, it adapts the treble and bass levels to suit the current volume, so that delicate sounds can still be heard clearly when you listen to your music quietly.



### 12.3. Display dimmer

To select 5 different brightness levels of the display.

- Press the  button continuously to toggle between high level, medium high level, medium level, medium low level and low level.
- Alternatively, tune the volume knob to select different brightness settings and then press the knob to confirm.




If it is operating with batteries, the display will automatic switch off after 60 seconds in order to save the power and extend the batteries' life.

In that case, press any function buttons, it will activate the radio to its corresponding function.

### 12.4. Night lamp

To turn the night lamp on or off.

- Press the  button to turn on or off the night lamp.



If it is operating with batteries, the night lamp indicator is off.

# 13. Special System Settings

To enter the EASY advanced system settings menu, switch it to standby mode. Press and hold the ► button for about 2 seconds, then press favorite button 5. The Special System Settings are meant to prevent unintentional changes of personal settings.

## 13.1. Time/Date lock setting

- This option sets the time/date access availability in standby mode.
  - [No] : To allow time/date setting.
  - [Yes] : To disable time/date setting.

## 13.2. Default power on source

- This option allows you to set the next time startup operating mode.
  - [Last listened] : To set the last operating mode as next time startup.
  - [FM radio] : To set the FM radio mode as next time startup.
  - [DAB radio] : To set the DAB radio mode as next time startup.
  - [Bluetooth] : To set the Bluetooth mode as next time startup.
  - [AUX in] : To set the AUX In mode as next time startup.

## 13.3. Set minimum volume level

- This option allows you to set EASY with the minimum volume level output in operating modes and alarm volume setting.

## 13.4. Set maximum volume level

- This option allows you to set EASY with the maximum volume level output in operating modes and alarm volume setting.

## 13.5. Set power on volume level

- This option allows you to set EASY with your desired volume level when it is power on.

### 13.6. Preset stations lock setting

- This option allows you to enable or disable the FM/DAB preset storing function by overwriting the existing ones.
  - [Yes] : Disable FM/DAB preset storing function.
  - [No] : Enable preset storing function.

### 13.7. Set Bluetooth auto-connecting

- This option allows you to enable or disable the Bluetooth automatic re-connections function.
  - [Yes] : EASY will automatically establish the connection with the last used Bluetooth device.
  - [No] : EASY will not automatically reconnect with the last used Bluetooth device.

### 13.8. Inactive standby

- This option sets the duration of time before EASY turns off automatically. Options include: Off, 2, 4, 5 and 6 hours.

### 13.9. [Factory reset]

- This option clears all user-defined settings and replaces them with the original default settings.

# 14. Troubleshooting

Malfunctions can occur with any electrical equipment. This is not necessarily due to an EASY defect. As such, you should check the following table to see if you can eliminate the problem by yourself.

| <b>Malfunction</b>                 | <b>Possible cause</b>                                      | <b>Solution</b>  |
|------------------------------------|--|--|
| The device does not switch on.     | Power adapter is not properly connected.                   | Connect the power adapter properly.                                      |
|                                    | Batteries are empty.                                       | Exchange new batteries.  |
|                                    | Batteries are inserted in wrong polarity.                  | Insert the batteries in correct polarity.                                |
| No response from EASY.             | There is an error in EASY.                                 | Disconnect and reconnect the power plug. Then turn EASY on again.        |
| No sound or poor sound.            | Sound is turned off.                                       | Adjust the volume.   |
|                                    | Volume is set to minimum.                                  | Increase the volume.   |
|                                    | EASY is not set to the correct playback mode.              | Select another playback mode.  |
|                                    | FM/DAB reception is poor.                                  | Extend/adjust the FM/DAB antenna.  |
|                                    | There is radio interference.                               | Keep EASY away from other electronic devices.                            |
| No or faulty Bluetooth connection. | Interference caused by other radio transmitter or devices. | Increase the distance between the EASY and the other electronic devices. |

| <b>Malfunction</b>        | <b>Malfunction</b>              | <b>Solution</b>                     |
|---------------------------|---------------------------------|-------------------------------------|
| Alarm does not work.      | Alarm is not switched on.       | Switch the alarm on.                |
|                           | Alarm volume is set to minimum. | Increase the alarm volume level.    |
| USB device does not work. | USB device is not charging.     | Check the USB cable.                |
|                           |                                 | Plug-in the provided power adapter. |

# 15. Cleaning



## **NOTICE!**

### **Material damage due to improper cleaning!**

Improper cleaning can result in damage to EASY or cause certain functions to stop working.

- Never use abrasive or solvent-based cleaning agents, as these may damage the surface of EASY.
- Never use hot or compressed air to dry EASY.

### **Cleaning off fingerprints and light soiling**

- Clean EASY only from the outside with a soft, dry cloth.

### **Cleaning off heavy soiling**

- Clean EASY only from the outside with a slightly damp cloth and then dry EASY with a soft, dry cloth.

## 16. Warranty

When submitting warranty claims, the following applies without restricting your legal rights:

- Warranty claims can only be asserted within a period of max. 2 years (1 year in North America and Australia), calculated from the date of purchase.
- sonoro audio GmbH shall, at its own discretion, repair or replace EASY free of charge any defects caused by material or manufacturing defects within the warranty period.
- In case of a complaint, please contact our customer service department. You can find contact details under "Contact data" or at [www.sonoro.de](http://www.sonoro.de).
- No new warranty period begins following repair or replacement of EASY. The warranty period of 2 years (1 year in North America and Australia) from date of purchase remains applicable.
- Excluded from the warranty are batteries, damage caused by improper use, normal wear and tear, as well as defects which only minimally affect the value or usability of EASY. The warranty also expires in case of any modifications not made by our authorised service centre.

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