

# sonoro<sup>s</sup>

sonoroSTREAM (SO-410)

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## Smartradio



Operating manual

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# 1 Introduction

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

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

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

Enjoy your device!

## 1.1 Contact data

Address	sonoro audio GmbH, Nordkanalallee 94, 41464 Neuss, GERMANY
Phone	+49 2131 8834-141
Fax	+49 2131 7517-599
E-mail	support@sonoro.de
Internet	www.sonoro.de

## 2 For your own safety

### 2.1 Symbols in this manual

#### Safety instructions

Important information for your safety is highlighted accordingly. Always take care to observe these instructions in order to avoid accidents and damage to the device:

#### **WARNING!**

*Indicates a potentially hazardous situation that may result in fatal or serious injury.*

#### **CAUTION!**

*Indicates a potentially hazardous situation that may result in minor or moderate injury.*

#### **NOTICE!**

*Indicates a potentially hazardous situation that may result in material and environmental damage.*

#### Helpful tips and recommendations

#### ***i***

*Highlights information and useful recommendations.*

### 2.2 Intended use

The device is intended for personal use only. It is not intended for commercial use. The device is solely intended for the following tasks:

- Playback of FM/DAB+/Internet radio and Spotify streaming service.
- Audio playback from external devices connected via AUX In or USB port.
- Audio playback from Bluetooth-enabled devices (e.g. mobile phones).
- Charging of external devices that are connected via the USB port.

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

### **2.3 Children and persons with limited cognitive abilities**

- Do not leave the device unattended and do not use it when children or persons who are unable to judge the associated risks are nearby.
- Persons (including children) who are not able to safely operate the device due to their physical, sensory or mental capabilities, or a lack of experience or knowledge regarding the device, should not operate this device without proper supervision or instruction by a responsible person. Please keep it safely out of their reach.
- Keep batteries out of reach of children. Risk of swallowing! If you notice or suspect that someone has swallowed a battery, seek medical aid immediately.
- Remember that packaging materials should not be toyed with. Risk of suffocation!

### **2.4 Power supply**

The device is powered electrically, so there is always a risk of electric shock. As such, pay particular attention to the following instructions:

- Never touch the power plug with wet hands.
- When you want to pull the power plug from the wall outlet, always pull directly on the plug itself. Never pull on the power cable, as this could damage it.
- Ensure unobstructed access to the power outlet so that the power plug can be pulled out immediately in case of an emergency.
- Make sure that the power cable is not bent, pinched or run over. Lay the power cable in such a way that it is not a tripping hazard or within reach of children.
- Keep the device away from rain, moisture and any heat sources.
- Only operate the device if the electrical voltage indicated on the device nameplate and the power plug matches the voltage of your power outlet.
- Incorrect voltage may irreparably damage the device.
- In order to prevent fire hazards, disconnect the device completely from the power supply when you will not be using the device for a

long period of time. Do this by unplugging the power plug from the AC outlet.

- The power adapter is used as a disconnected device, the disconnect device shall remain readily accessible.
- Use only power adapter listed in this manual.

## **2.5 Batteries**

- Never attempt to recharge or open the battery. Explosion hazard!
- Never damage or warp the battery.
- Never throw batteries into an open fire or expose them to high temperatures.
- Failure to observe these guidelines may cause fluid to escape from the battery, which can cause skin irritation. In case of contact:
  - Wash off the fluid with plenty of clear water.
  - Do not rub your eyes. Instead, rinse eyes with plenty of clear water for 10 minutes and seek immediate medical attention.
- Only use batteries of the same or an equivalent type. Explosion hazard!
- Remove the batteries from the battery compartment as soon as they are empty, or if you do not intend to use the device for a long period of time.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- Take attention to the environmental aspects of battery disposal.

## **2.6 Transport/shipping**

Improper transport/shipping can lead to damage to the device's surface or the media inside it, thus preventing it from working properly.

### **Personal safety**

- Whilst driving in a vehicle, store the device in such a way that it does not endanger the occupants.

### **Preventing damage to the device**

- The front, edges and corners of the device are all vulnerable to pressure. Protect these areas to prevent them from being subjected to excessive loads. Never tilt the device over its corners or edges. Never place the device facedown.

- To transport or ship the device, please pack it in the enclosed protective cases and store it in its original packaging. Keep the original packaging for this purpose.
- If you lose the original packaging, use another box of sufficient size for transport. Fill this space with polystyrene.

### **Protecting the media inside the device**

- To avoid damage to the medium inside the device, remove it before transport/shipping.

## **2.7 Ambient conditions**

In order to ensure that the device can be operated safely, certain ambient conditions must be observed.

### **Weather, moisture and temperatures**

- Protect the device and remote control from the weather, moisture and high temperatures. Never use the device outdoors, and never place it in areas with increased exposure to sunlight.
- Protect the device from liquids. Never place objects containing liquids on or next to the device.

### **Installation location**

- Never use the device in areas with high levels of humidity. Protect it from heavy soiling, e.g. splashes of grease and uncleaned extraction air in the kitchen.
- Never place the device on or in the immediate vicinity of fire and heat sources, e.g. burning candles, stove tops or radiators.

### **Installation surface**

- Place the device on a sturdy surface to prevent severe mechanical vibrations.
- Do not place the device on surfaces into which it may sink, as this will obstruct the ventilation openings. This prevents heat from building up inside the device.

### **Ventilation**

- Set up the device in such a way that adequate ventilation is ensured in order to prevent heat from building up inside the device.
- Always keep a minimum distance of 10 cm from other objects or walls.

## 2.8 Operation

- The rubber feet of the device may produce stains on certain surfaces. Use a suitable surface.
- Do not use any media other than those specified in this manual.
- Never use any power cables other than those permitted. Using the wrong power supply will damage your device.
- To maintain the compliance with the WiFi RF exposure requirement, place the product at least 20 cm (8 inches) from nearby persons except when operating the controls.

## 2.9 In case of defects

If the device develops a defect, do not attempt to repair it on your own.

- If the power plug, adapter or power cable of this device is damaged, they must be replaced by the manufacturer or the manufacturer's customer service department to prevent risk of electric shock.
- Should any fluid enter the device, or if the device has been dropped or otherwise damaged, have it checked by an authorised dealer. Immediately disconnect the device from the power supply and contact an authorised dealer as soon as possible.

## 2.10 Disposal at end of useful life



*Do not dispose  
of in household  
waste*

Devices that are marked with this symbol (see figure) should not be disposed of in household waste. They must be returned to a collection point for the recycling of electrical and electro-technical devices. Information

regarding the disposal of old equipment can be obtained from your municipality, local waste disposal company and the store where you purchased this device. Proper disposal of old devices prevents environmental damage and does not jeopardise your health.

Batteries may contain toxic heavy metals and are subject to hazardous waste treatment. Return the batteries to a municipal collection point or have them disposed of by a specialist company.



**⚠ ENVIRONMENT!****Environmental hazard as a result of incorrect disposal!**

Incorrect disposal can be hazardous to the environment.

- Enlist authorised, specialist companies to dispose of electrical scrap and electronic components.
- If in doubt, contact your local municipal authority or specialist disposal company for information on environmentally conscious disposal.

## **3 Getting to know your sonoroSTREAM**

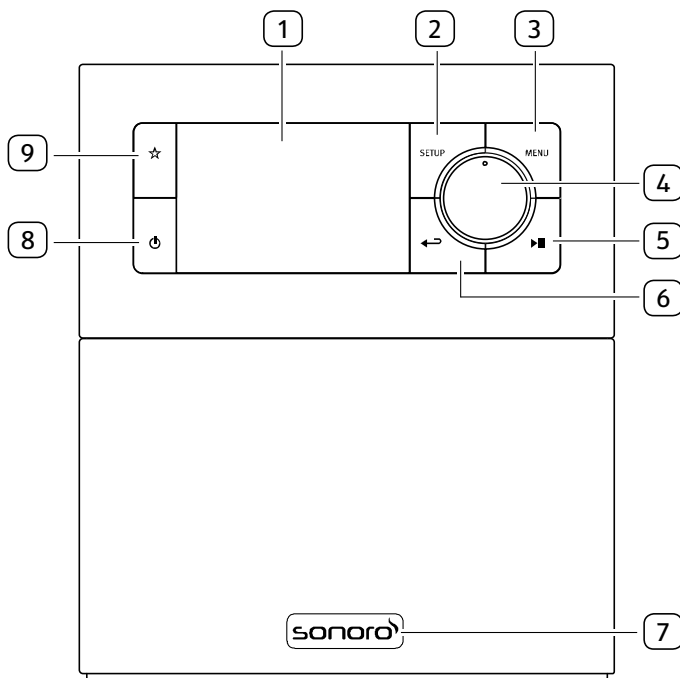
### **3.1 Scope of delivery**

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

- Remote control
- One button cell (CR2025, 3 V)
- Power adapter (with power cable)
- Operating manual
- Quick Start Guide
- Spotify leaflet

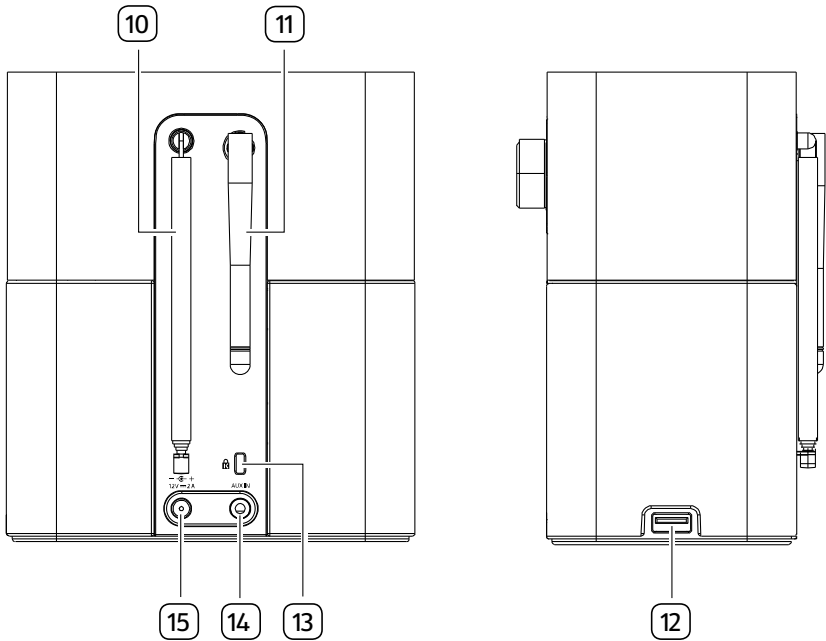
## 3.2 Controls and ports

### Front view



- |   |  |
|---|--|
| 1. Display  | 6. Back button (↶)   |
| 2. Setup button (SETUP)                                     | 7. Infra-red sensor and ambient light sensor (behind the logo) |
| 3. Menu button (MENU)                                       | 8. Standby button (⏻)  |
| 4. Volume knob, navigation knob, OK button (press the knob) | 9. Preset button (☆)   |
| 5. Play/pause button (▶  )                                  |  |

## Rear and side views



10. FM/DAB antenna

11. Wi-Fi antenna

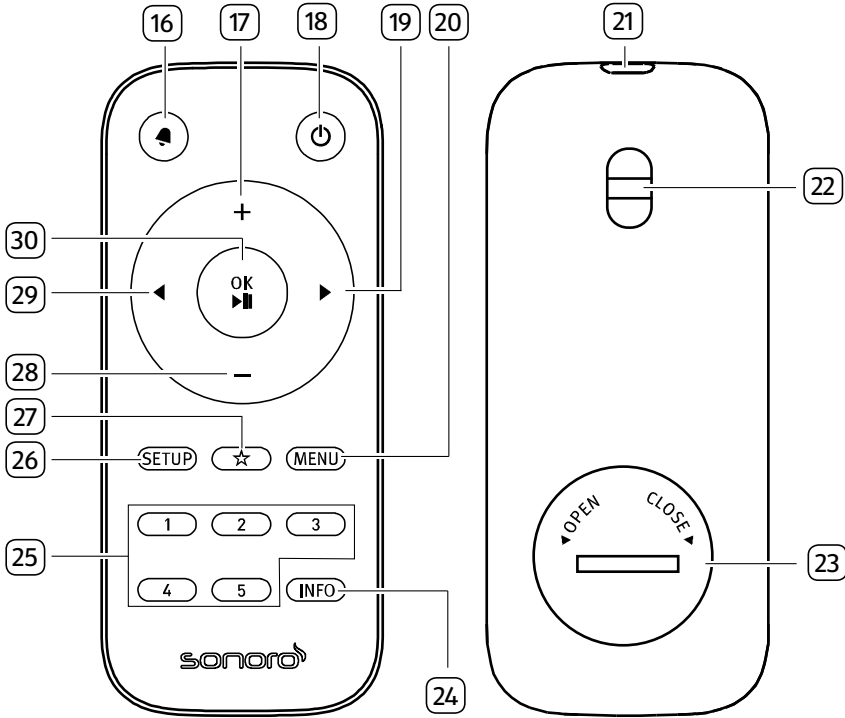
12. USB port

13. Keylock, anti-theft port

14. Auxiliary input jack (3.5 mm)

15. DC power input jack

## Remote control



- 16. Alarm button (🔔)
- 17. Volume up button (+)\*
- 18. Standby button (🔌)
- 19. Right button (▶)\*
- 20. Menu button (MENU)
- 21. Infra-red transmitter
- 22. Strap hole
- 23. Battery compartment


- 24. Information button (INFO)
- 25. Preset station buttons (1–5)
- 26. Setup button (SETUP)
- 27. Preset button (☆)
- 28. Volume down button (–)\*
- 29. Left button (◀)\*
- 30. Play/pause button (▶||),  
OK button

\*Navigation buttons (◀, ▶, +, –)

### 3.3 Technical data

Specification	Value
Dimensions (W × D × H)	148.6 × 101.45 × 171.1 mm
Weight	1.113 kg
Display	2.4" TFT colour display
Frequency range FM	87.50 MHz–108.00 MHz
Frequency range DAB/DAB+	Band III, 174.928 MHz–239.200 MHz
Internet radio	More than 25,000 stations worldwide
Station presets	10 for each FM   DAB +   Internet radio
File formats	AAC, AAC+, MP3, WAV, WMA, FLAC Max. 16 bits, 2 channels, sample rate 48KHz
USB charging	Output: DC 5V === 2.1A
USB playback	Compatibility system: FAT 16, FAT 32 (not compatible with NTFS or other systems)
AUX-IN	Port: 3.5mm jack Sensitivity: 300 mV
Streaming	Bluetooth   Spotify   DLNA   UPnP
Network supported	IEEE 802.11 a/b/g/n, 2.4 & 5GHz bands
Encrypted key	WEP, WPA, WPA2 (PSK), WPS
Multi-room function	Maximum of 5 speakers in a group (4 client and 1 server)
AC adapter, power	Ten Pao Power Industrial Co., Ltd. Model: S024AMV1200200 Input: 100–240V ~ 50/60Hz 600mA Output: 12.0V === 2000mA
Battery	CR2025 (remote control)
Standby Power	< 1.0W
Network Standby	< 2.0W

### 3.4 Marks of approval and certificates

 **Bluetooth®** 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.



This product incorporates Spotify software which is subject to 3rd party licences found here: [www.spotify.com/connect/third-party-licenses](http://www.spotify.com/connect/third-party-licenses)



UPnP™ is a trademark of the UPnP™ Forum.

### 3.5 Declaration of Conformity



Product: sonoroSTREAM

Model: SO-410

Manufacturer: sonoro audio GmbH

Address: Nordkanalallee 94, 41464 Neuss, Germany

*We hereby declare that on the basis of its design and construction, the sonoroSTREAM smartradio meets the fundamental requirements of the EMC Directive 2014/30/EU, the Low Voltage Directive 2014/35/EU, the Radio Equipment Directive 2014/53/EU, the Eco Design Directive 2009/125/EC, and the Restriction of the use of certain hazardous substances in electrical and electronic equipment Directive 2011/65/EU, including any changes applicable at the time of this declaration.*

## 4 Getting started

### **WARNING!**

#### **Risk of suffocation!**

Improper handling of batteries may increase the risk of swallowing by children!

- Keep batteries out of reach of children. If you notice or suspect that someone has swallowed a battery, seek medical aid immediately.

### **NOTICE!**

#### **Risk of damage!**

Improper handling of the device may cause damage.

- Observe the correct polarity when inserting battery into the remote control.
- Always use the included power adapter.
- Only operate the device if the specified electrical voltage matches the voltage of your power outlet.

### 4.1 Unpacking the device

1. Take the device of the packaging and check whether the device or the individual parts exhibit damages. If this is the case, do not use the device. 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 the device at a suitable location (see chapter “Ambient conditions”).
4. Remove the protective film from the display.

## 4.2 Connecting the power supply

1. Insert the connector of the power adapter into the DC power input jack\* on the back of the device.
2. Insert the power plug into a wall socket.

The device is turned on.

\*Remove the protective cover before inserting the connector.

## 4.3 Inserting the battery in the remote control

1. Open the battery compartment cover on the back of the remote control by turning it anticlockwise using a small coin.
2. Insert the supplied batteries (CR2025, 3 V) with the label (+) side up.
3. Replace and close the battery compartment cover by turning the cover clockwise using a small coin.

### ***i***

*Do not block the infra-red sensor on the device and the infra-red transmitter on the remote control during use.*

## 4.4 Using the antennas

1. Detach the FM/DAB antenna from the catch on the back of the device.
2. Lift both FM/DAB antenna and Wi-Fi antenna upwards.
3. Extend the FM/DAB antenna for better reception.

## 4.5 Performing initial setup

When the device is powered on for the first time, the “Setup wizard” appears on the display. Follow the instructions below to configure some basic settings.

1. When the “Setup wizard” is displayed, press ◀ or ▶ on the remote control (or rotate the navigation knob) to select “YES” and then press OK to start the setup.



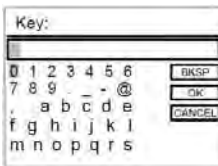


2. You are then prompted to select:

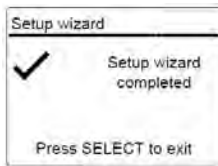
- Language (to be used in the display)
- Time format (12 or 24-hour),
- Source of auto update (Update from radio, Internet or no update).

Depending on the selection you have made, follow the instructions on the display to further set up date and time, time zone, daylight saving or wireless network. Rotate the navigation knob on the device or press the navigation buttons on the remote control to make selections and then press OK to confirm (see chapter “Using the menus”).

When update from Internet is selected, Wi-Fi connection must be first established. When entering the key of your wireless network, rotate the navigation knob on the device or press the navigation buttons on the remote control to select a character and then press OK to confirm. To delete the last entry, select [BKSP]. To cancel entering the key, select [CANCEL]. To confirm the entered key, select [OK].





3. When “Setup wizard completed” appears, press OK to exit the setting.



### ***i***

*To run the setup wizard again, go to [System settings] and then select [Setup wizard] (See chapter “System settings”).*

## 5 Basic operation

To turn on,	Press  The device starts operation from the last selected playback mode.
To turn off (standby mode),	Press  The time and date (if set) are displayed. The device will automatically turn off without playback and operation after 15 minutes.
To select a playback mode,	Press MENU once, then ◀ or ▶ (or rotate the navigation knob) to select a playback mode and then press OK to confirm.  Mode sequence: FM radio > DAB radio > Internet radio > Spotify > Music player > Auxiliary input > Bluetooth audio
To control the volume,	Press + or – on the remote control or rotate the volume knob on the device.

## 6 Using the menus

There are three types of menu in the device.


















- Setup menu (For specific settings in a playback mode, e.g. [Manual tune] in the FM mode)
- System settings (For general settings, e.g. time/date, language etc.)
- Main menu (For accessing the playback modes, sleep timer and alarms)

To access the menus,	Press SETUP. Contents of the menus may differ in different playback modes.
To select an option in the menus,	Rotate the navigation knob on the device or press the navigation buttons on the remote control.

To confirm a selection in the menus,	Press OK. (On the device, press the navigation knob)
To go back one level in the menu,	Press ◀ or ↶.

## 7 Display icons

Refer to the table below for the meanings of the display icons when they show on the display.

	Wi-Fi connection is established (with signal strength).
	Wi-Fi connection is disconnected.
	A Bluetooth device is connected.
	Alarm 1 is activated.
	Alarm 2 is activated.
	The radio station is in the preset list.
	FM RDS information is received.
	Radio signal is being received (with signal strength).
	Repeat all playback mode is active.
	Repeat one playback mode is active
	Shuffle playback mode is active.
	Repeat all and shuffle playback mode is active.
	Sleep timer is active.
	Stereo sound broadcast is available.
	Sound output is muted.
	A USB device is connected.
	Playback is paused.

## 8 FM radio mode

### 8.1 Operation

To access the FM radio mode,	Press MENU once, then ◀ or ▶ (or rotate the navigation knob) to select the FM radio mode and then press OK to confirm.
To manually tune the frequency,	Press ◀ or ▶. Or, select [Manual tune] in the setup menu and then rotate the navigation knob.
To automatically tune to the next available station,	Press and hold ◀ or ▶. Or, press the navigation knob to start the automatic tuning.
To store a radio station in the preset list,	A maximum of 10 radio stations can be stored. 1. Press and hold ☆ until the preset list is shown. 2. Press + or – (or rotate the navigation knob) to select a preset station number and then press OK to confirm.
To directly store a radio station in the preset list (1–5),	Tune to a station and then press and hold a preset station button (1–5) to directly store it in the preset list.
To recall a radio station in the preset list,	1. Press ☆. 2. Press + or – (or rotate the navigation knob) to select a radio station in the preset list and then press OK to confirm. Or, press a preset station button (1–5) to directly access a preset station (1–5).
To browse the radio station information (if available),	Press INFO repeatedly.
To mute or restore the sound output,	Press ►  .

## 8.2 Setup menu

Press **SETUP** in the FM mode to access the setup menu (see chapter “Using the menus”). The following options are available and the current settings (if applicable) are marked with an asterisk (\*).

- [Manual tune]  
To enable manual tuning of frequency.
- [Scan setting]  
To decide if only stations with strong signals are scanned when performing automatic tuning.
- [System settings]  
See chapter “System settings”.
- [Main menu]  
To access other playback modes, sleep timer or alarms.

## 9 DAB radio mode

### 9.1 Operation

To access the DAB radio mode,	Press <b>MENU</b> once, then ◀ or ▶ (or rotate the navigation knob) to select the DAB radio mode and then press <b>OK</b> to confirm.
To search for DAB radio stations,	The first time you select the DAB mode, or if the station list is empty, the device will automatically perform a full scan and store all available stations in the station list.
To tune to a station,	Press ◀ or ▶.
To store a radio station in the preset list,	<p>A maximum of 10 radio stations can be stored.</p> <ol style="list-style-type: none"> <li>1. Press and hold ☆ until the preset list is shown.</li> <li>2. Press + or – (or rotate the navigation knob) to select a preset station number and then press <b>OK</b> to confirm.</li> </ol>
To directly store a radio station in the preset list (1–5),	Tune to a station and then press and hold a preset station button (1–5) to directly store it in the preset list.

To recall a radio station in the preset list,	<ol style="list-style-type: none"> <li>1. Press ☆.</li> <li>2. Press + or – (or rotate the navigation knob) to select a radio station in the preset list and then press OK to confirm.</li> </ol> <p>Or, press a preset station button (1–5) to directly access a preset station (1–5).</p>
To browse the radio station information* (if available),	Press INFO repeatedly.
To mute or restore the sound output,	Press ►  .

\*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.

## 9.2 Setup menu

Press SETUP in the DAB mode to access the setup menu (see chapter “Using the menus”). The following options are available and the current settings (if applicable) are marked with an asterisk (\*).

- [Station list]
 

To display all available stations.
- [Scan]
 

To scan and store all available stations.
- [Manual tune]
 

To manually tune the frequency. The list of available digital radio ensembles is shown.
- [Prune invalid]
 

To remove all invalid stations from the station list.
- [DRC]
 

Some DAB broadcasts offer dynamic range compression (DRC). Compressing the dynamic range of a radio signal can increase the volume of quiet sounds and reduce the volume of loud sounds. You can select high, low or off level. High level is recommended for noisy environment.

- [Station order]
 

To define how the stations are listed when browsing the station list.  
Options are:

  - [Alphanumeric]: Arrange the stations in alphabetical order,
  - [Ensemble]: List groups of stations that are broadcast together on the same ensemble, and
  - [Valid]: List valid stations first, then off-air stations.
- [System settings]
 

See chapter “System settings”.
- [Main menu]
 

To access other playback modes, sleep timer or alarms.

## 10 Internet radio

### 10.1 Operation

Wi-Fi Internet connection must be first established to use the Internet radio (see chapters “Performing initial setup” and “Network”).

To access the Internet radio mode,	<p>Press MENU once, then ◀ or ▶ (or rotate the navigation knob) to select the Internet radio mode and then press OK to confirm.</p> <p>The device starts connecting to the previously connected network and then the last listened station.</p>
To tune to a radio station or podcast,	See chapter “Station list”.
To store a radio station in the preset list,	<p>A maximum of 10 radio stations can be stored.</p> <ol style="list-style-type: none"> <li>1. Press and hold ☆ until the preset list is shown.</li> <li>2. Press + or – (or rotate the navigation knob) to select a preset station number and then press OK to confirm.</li> </ol>
To directly store a radio station in the preset list (1–5),	Tune to a station and then press and hold a preset station button (1–5) to directly store it in the preset list.

To recall a radio station in the preset list,	<ol style="list-style-type: none"> <li>1. Press ☆.</li> <li>2. Press + or – (or rotate the navigation knob) to select a radio station in the preset list and then press OK to confirm.</li> </ol> <p>Or, press a preset station button (1–5) to directly access a preset station (1–5).</p>
To browse the station information* (if available),	Press INFO repeatedly.
To mute or restore the sound output,	Press ►  .

\*Station information (if available) includes: Artist and track name, Station description, Station genre and location, Signal reliability, Codec and sampling rate, Playback buffer, and Date.

## 10.2 Setup menu

Press SETUP in the Internet radio mode to access the setup menu (see chapter “Using the menus”). The following options are available and the current settings (if applicable) are marked with an asterisk (\*).

- [Last listened]  
To tune to your last listened radio stations.
- [Station list]  
To tune to any available Internet radio stations (See chapter “Station list”).
- [System settings]  
See chapter “System settings”.
- [Main menu]  
To access other playback modes, sleep timer or alarms.

## 10.3 Station list

The following menus and sub-menus are available in the [Station list]:

- [My Favourites]  
To browse and tune to the Internet radio stations that you have added to “My favourites” on the web portal (See chapter “Using the web portal”).



- [Local (name of your location)]

To browse and tune to any radio stations available in your area. The stations are grouped into several categories.

- [Stations]

- [Location]: To browse and tune to radio stations by location.

- [Genre]: To browse and tune to radio stations by genre.

- [Search stations]: To search for any available radio stations by entering keywords.

- [Popular stations]: To browse and tune to the most popular Internet radio stations.

- [New stations]: To browse and tune to the latest Internet radio stations.

- [Podcasts]

- [Location]: To browse and tune to podcasts by location.

- [Genre]: To browse and tune to podcasts by genre.

- [Search podcasts]: To search for any available podcasts by entering keywords.

- [My Added Stations]

To browse and tune to the radio stations that you have added to “My added stations” on the web portal (See chapter “Using the web portal”).

- [Help]

- [Get access code]: To get the access code of the device.

- [FAQ]: To get help when the Internet radio does not work properly.

## 10.4 Using the web portal

The Frontier Silicon Internet Radio portal website allows you to organise your “My favourites” and add new Internet radio stations on a computer. To do so, you need to first register at the web portal.

1. In the Internet radio mode, press SETUP and then go to [Station list] > [Help] > [Get access code]. Write down the access code.

2. Go to [www.wifiradio-frontier.com](http://www.wifiradio-frontier.com) on the web browser of your computer.
3. Register a new account with the access code.
4. Following the instructions in the web portal, use the “My favourites” and “My added stations” features to add radio stations.

The added stations in “My favourites” can be accessed through [My favourites] in the Internet radio mode of the device.

The added stations in “My added stations” can be accessed through [My added stations] in the Internet radio mode of the device.

## 11 Spotify mode

### *i*

*To play back music available from “Spotify”, you need to install the “Spotify” application onto your mobile phone, set up an account and purchase the premium version (fee-charging). Also your mobile phone must be registered in the same Wi-Fi network as this device.*

*For the most up-to-date instructions on how to set up Spotify:  
[www.spotify.com/connect](http://www.spotify.com/connect)*

### 11.1 Operation

Your mobile phone with Spotify must be registered in the same Wi-Fi network as the device.

To access the Spotify mode,	Press MENU once, then ◀ or ▶ (or rotate the navigation knob) to select the Spotify mode and then press OK to confirm.
To select an item (song, album etc.) and start playback in Spotify,	Use the Spotify application on your mobile phone to browse and select a playback item.
To play back Spotify through the device,	Select the speaker symbol (🔊) next to the playback item on Spotify. Then select “sonoroSTREAM” from the list of available devices.

To pause or resume playback,	Press ►  .
To skip to the previous or next playback item,	Press ◀ or ▶.
To store a playback item in the preset list,	<p>A maximum of 10 playback items can be stored.</p> <ol style="list-style-type: none"> <li>1. Press and hold ☆ until the preset list is shown.</li> <li>2. Press + or – (or rotate the navigation knob) to select a preset item number and then press OK to confirm.</li> </ol>
To directly store a playback item in the preset list (1–5),	Select a playback item and then press and hold a preset station button (1–5) to directly store it in the preset list.
To recall a playback item in the preset list,	<ol style="list-style-type: none"> <li>1. Press ☆.</li> <li>2. Press + or – (or rotate the navigation knob) to select a playback item in the preset list and then press OK to confirm.</li> </ol> <p>Or, press a preset station button (1–5) to directly access a preset playback item (1–5).</p>
To browse the information (if available) of the playback item,	Press INFO repeatedly.

## 11.2 Setup menu

Press SETUP in the Spotify mode to access the setup menu (see chapter “Using the menus”). The following options are available and the current settings (if applicable) are marked with an asterisk (\*).

- [System settings]
 

See chapter “System settings”.
- [Main menu]
 

To access other playback modes, sleep timer or alarms.

## 12 Music player mode

### NOTICE!

#### Risk of damage!

Improper handling of the device may cause damage.






- Do not connect the device directly to the USB port of a computer or other external storage media such as external hard disk.

### *i*

*The music player mode can play back audio files stored on a connected USB memory stick or from a media server (UPnP) sharing the same Wi-Fi network with the device.*

### 12.1 Operation

To access the Music player mode,	Press MENU once, then ◀ or ▶ (or rotate the navigation knob) to select the music player mode and then press OK to confirm.
To play back audio files stored on a USB memory stick,	Connect the USB memory stick to the USB port* of the device. Then press SETUP and select [USB playback] from the setup menu (see chapter “Setup menu” on next page). *Remove the protective cover before connecting the USB memory stick.
To pause or resume playback,	Press ▶  .
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 add an audio file to “My playlist”,	Press and hold  or the navigation knob when the file is highlighted in the selection menu.
To select a playback mode,	Press ☆ repeatedly. <ul style="list-style-type: none"> <li>▪  = Repeat all</li> <li>▪  = Repeat one</li> <li>▪  = Shuffle</li> <li>▪  = Repeat all and shuffle</li> </ul>
To browse the information (if available ) of the audio file,	Press INFO repeatedly.

## 12.2 Setup menu

Press SETUP in the music player mode to access the setup menu (see chapter “Using the menus”). The following options are available and the current settings (if applicable) are marked with an asterisk (\*).

- [Shared media]

To search for audio files on the Wi-Fi network.

Once a media server has been found, a selection menu will show for selection of audio files for playback from the device.
- [USB playback]

To search for audio files on the connected USB memory stick.

Once a USB memory stick has been found, a selection menu will show for selection of audio files for playback from the device.
- [My playlist]

To browse and play back audio files stored in “My playlist”.
- [Repeat play]

To turn on or off the repeat playback mode of the current folder/playlist.
- [Shuffle play]

To turn on or off the shuffle playback mode of the current folder/playlist.

- [Clear my playlist]  
To clear entries from “My playlist”.
- [Prune servers]  
If this setting is set to “YES”, inactive media servers will be displayed. You can then select a media server and “wake it up” (WOL “wake on LAN” function) in order to play back audio files from the device.
- [System settings]  
See chapter “System settings”.
- [Main menu]  
To access other playback modes, sleep timer or alarms.

## 13 Auxiliary input mode

### 13.1 Operation

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

To access the auxiliary input mode,	Press MENU once, then ◀ or ▶ (or rotate the navigation knob) to select the auxiliary input mode and then press OK to confirm.
To start and control playback,	Perform all playback operations on the external player.
To mute or restore the sound output,	Press ►  .

\*Remove the protective cover before connecting the external player.

### 13.2 Setup menu

Press SETUP in the auxiliary input mode to access the setup menu (see chapter “Using the menus”). The following options are available and the current settings (if applicable) are marked with an asterisk (\*).

- [System settings]  
See chapter “System settings”.
- [Main menu]  
To access other playback modes, sleep timer or alarms.

## 14 Bluetooth audio mode

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

### 14.1 Pairing

1. Press MENU once, then ◀ or ▶ (or rotate the navigation knob) to select the Bluetooth audio mode and then press OK to confirm.

The smaller Bluetooth icon (📶) is blinking, indicating that the device is ready for pairing.

2. On your Bluetooth-enabled player, turn on the Bluetooth function and search for available Bluetooth devices.
3. Select “sonoroSTREAM” in the list of available Bluetooth devices to start pairing.

The Bluetooth icon (📶) stops blinking when pairing is complete.

### 14.2 Operation

To access the Bluetooth audio mode,	Press MENU once, then ◀ or ▶ (or rotate the navigation knob) to select the Bluetooth audio mode and then press OK to confirm.
To start playback,	Select an audio file from your Bluetooth-enabled player and start playback.
To pause or resume playback,	Press ▶  .
To skip to the previous or next audio file,	Press ◀ or ▶.
To disconnect the Bluetooth connection,	<ul style="list-style-type: none"> <li>▪ Switch to another playback mode, or</li> <li>▪ Select [BT disconnect] from the setup menu (see below), or</li> <li>▪ Press and hold ☆.</li> </ul>

## 14.3 Setup menu


Press SETUP in the Bluetooth audio mode to access the setup menu (see chapter “Using the menus”). The following options are available and the current settings (if applicable) are marked with an asterisk (\*).

- [BT disconnect]  
To disconnect the Bluetooth connection.
- [System settings]  
See chapter “System settings”.
- [Main menu]  
To access other playback modes, sleep timer or alarms.


## 15 Alarms

### 15.1 Setting alarms

You can set up two alarms.

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

Alternatively, press SETUP in any playback mode and then select [Main menu] and then [Alarms].

You may also access the alarm setting mode when the device is in the standby (off) mode. To do so, press and hold  or press SETUP.

2. Select the alarm you want to set (Alarm 1 or 2) and then press OK.
3. The following options show for setting the alarm. Rotate the navigation knob or press the navigation buttons to perform the settings (see chapter “Using the menus”).

- [Enable]  
To turn on or off and set frequency of the alarm. The following options are available:
  - [Off]: To deactivate the alarm.
  - [Daily]: The alarm activates everyday.
  - [Once]: The alarm activates once only.
  - [Weekends]: The alarm activates on Saturdays and Sundays.
  - [Weekdays]: The alarm activates from Monday to Friday.



- [Time]  
To set the alarm time.
- [Mode]  
To select the alarm sound source. The following options are available:
  - [Buzzer]
  - [Internet radio]
  - [DAB]
  - [FM]
- [Preset]  
To select the last listened station or a preset station as the alarm sound source. This only shows when Internet radio, 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 corresponding alarm icon (🔔/🔔) will show.

## 15.2 Turning the alarms on or off in standby mode

- When the device is in the standby (off) mode, press 🔔 repeatedly to cycle through the alarm on or off settings.

Press of 🔔	Alarm 1	Alarm 2
1×	On	Off
2×	Off	On
3×	On	On
4×	Off	Off

- When an alarm is turned on, the corresponding alarm icon (🔔/🔔) will show.

## 15.3 Deactivating a sounding alarm

- Press 🔔 or 🔔 to stop a sounding alarm.

## 15.4 Snooze

- To temporarily silence (default: 10 min) a sounding alarm, press ►|| or the navigation knob.
- Press + or – (or rotate the navigation 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 show.
- To cancel the snooze function, press ⏻ or 🔔.

## 16 Sleep timer

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

1. Press SETUP in any playback mode and then select [Main menu] and then [Sleep].
2. Press + or – (or rotate the navigation knob) to select a sleep timer (5, 10, 15, 30, 45, 60, 90, 105 or 120 min).
3. Press OK to confirm the selection.

When the sleep timer is active, the sleep timer icon (🕒) and the remaining time will show. To cancel the sleep timer, press ⏻.

## 17 System settings

### 17.1 Accessing the system settings

- Press SETUP in any playback mode and then select [System settings].
- Refer to the chapters below for details of each setting option. The current settings (if applicable) are marked with an asterisk (\*).
- See chapter “Using the menus” for browsing and making selections in the system settings.

### 17.2 Equaliser

- Select one of the sound equaliser options including: [Normal], [Bath], [Jazz], [Rock], [Movie], [Classic], [Pop], [News], [My EQ] and [My EQ profile setup].
- [My EQ profile setup] allows you to set your own bass and treble levels.

---

## 17.3 Network

- [Network wizard]  
To establish network connection.
- [PBC Wlan setup]  
Select this option if your wireless router supports both WPS and PBC setup methods.
- [View settings]  
To view the current network information.
- [Wlan region]  
To select a Wlan region.
- [Manual settings]  
Under the [Wireless] option, select [DHCP enable] to allocate IP address automatically or [DHCP disable] to do it manually.
- [NetRemote PIN setup]  
To set up a NetRemote PIN.
- [Network profile]  
To display a list of networks saved by the device.
- [Clear network settings]  
To clear all network settings.
- [Keep network connected]  
To keep the network connected. This allows you to wake the device from standby using a remote app.

## 17.4 Time/date

- [Set Time/Date]  
To set time and date.
- [Auto update]  
To select a source (Radio, Internet network or no update) for automatic time update.  
  
If you are updating time from a source (Radio – FM/DAB), the daylight saving setting has no effect.

If you are updating time from the Internet network, set your time zone.

- [Set format]  
To set 12 or 24-hour time format.
- [Set timezone]  
To set a time zone.
- [Daylight savings]  
To enable or disable daylight saving time.

## 17.5 Inactive standby

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

## 17.6 Language

- This option sets the menu language. Options include: English, German, Danish, Spanish, French, Italian, Dutch, Norwegian, Polish, Portuguese, Finnish, Swedish and Turkish.

## 17.7 Factory reset

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

## 17.8 Software update

- [Auto-check setting]  
To set to periodically check for update.
- [Check now]  
To check for update immediately.

If a new software is available, the device will ask if you want to proceed with an update.

Before software upgrade, make sure that the device is connected to a stable power connection. Disconnecting power during a software update may damage the device.

## 17.9 Setup wizard

- To perform initial setup (see chapter “Performing initial setup”).

## 17.10 Info

- This shows the current software version, spotify version, radio ID and friendly name.

## 17.11 Backlight

- [Dimmer level]

To select the brightness level of the display. Options include: [High], [Medium], [Low] or [Auto].

If [Auto] is selected, the brightness level is automatically adjusted according to the ambient light sensor at the front of the device.

## 17.12 Multi-room

Your device can be used with other compatible products as part of a multi-room system. Products under the same Wi-Fi network and synchronised in the same multi-room group can play the same content around your home. You may also create multiple groups for different areas of the home or for different users.

You can configure the multi-room groups in the system settings with the following options:

- [View details]

To view your current multi-room status:

- [Ungrouped]: The device is not part of a group.
- [Server]: The device sends audio content to other group members.
- [Client]: The device receives audio content from another product in the group.

- [Create new group]

To create a new multi-room group.

- [Add to group]

To add other compatible products to a current multi-room group.

- [List current clients]

To view the list of compatible products receiving audio contents from the device.

- [Leave group]  
To remove compatible products from a multi-room group.
- [Dissolve group]  
To dissolve a multi-room group. Each product in the group will then be operated individually.

## 18 Using UNDOK™ app to control the device

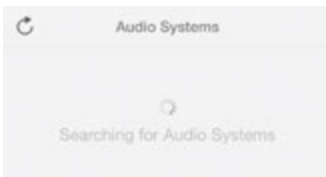
The device is compatible with the Frontier Silicon's UNDOK™ app. The app offers comprehensive remote control functionality for FS based audio modules with an iOS or Android smart device.

To install and use the UNDOK™ app:

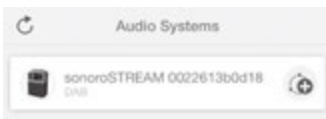
1. Download the UNDOK™ app from “App Store” or “Google play” and install it on your iOS or Android smart device.



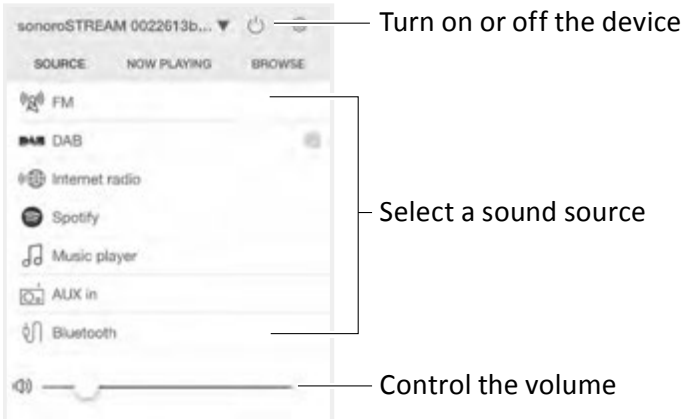
2. Connect your smart device to the same Wi-Fi network as the device.
3. Launch the UNDOK™ app on your smart device. The app will search for compatible audio systems. You may also tap on “Set up audio system” to start searching for audio systems.



4. Select “sonoroSTREAM” from the list of available audio systems.



5. Control the device through the UNDOK™ app.

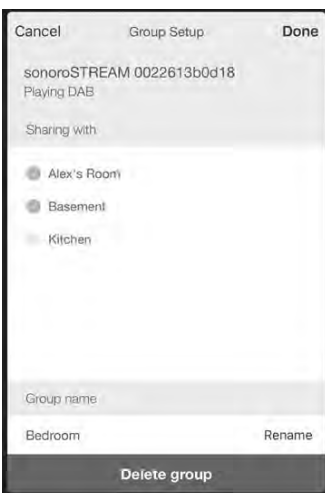


Your device can be used with other compatible products as part of a multi-room system. You can use the UNDOK™ app to manage the multi-room groups. To do so:

1. Tap on the edit group icon (ⓘ) in the list of available audio systems.



2. Add or remove the device to or from multi-room groups, change a group name or delete a group as required.



## 19 Troubleshooting

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

Malfunction	Possible cause	Solution
No power	Power cable is not properly connected.	Connect the power cable properly.
No response from the device	There is an error in the device.	Disconnect and reconnect the power plug. Then turn the device on again.
Remote control does not work, or only works sporadically	Distance to the device is too large.	Reduce the distance between the remote control and device.
	Battery is empty.	Replace the battery.
No sound or poor sound	Sound is turned off.	Adjust the volume.
	Device is not set to the correct playback mode.	Select another playback mode.
	FM/DAB or Internet reception is poor.	Extend/adjust the FM/DAB antenna or check the Wi-Fi connection.
	There is radio interference.	Keep the device away from other electronic devices.
Alarm does not work.	Alarm is not activated.	Activate the alarm.
	Alarm volume is set too low.	Increase the alarm volume.
Insufficient Wi-Fi signal strength	The router is too far or blocked.	Place the device closer to the router or adjust the position of the Wi-Fi antenna.



Malfunction	Possible cause	Solution
Cannot connect to your Wi-Fi network	Router is not switched on or working properly.	Switch on your router or check the router conditions.
	Setup method is incorrect.	Check if your router supports WPS and uses the correct setup method (PBC or PIN).
		Configure the Wi-Fi settings again.
Internet radio station does not work sometimes.	Some stations only support a limited number of listeners.	Try again later.
	Station is not broadcasting.	Try again later.
Some Internet radio stations disappear from the station list.	The station is removed from the list when it stops broadcasting.	Check again later. If the station broadcasts again, it will be brought back to the list.

## 20 Cleaning

### NOTICE!

#### Material damage due to improper cleaning!

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

- Never use abrasive or solvent-based cleaning agents, as these may damage the surface of the device.
- Never use hot or compressed air to dry the device.
- The edges and corners of the device are vulnerable to pressure. Protect these areas to prevent them from being subjected to excessive pressure.

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

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

### **Cleaning off heavy soiling**

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

## **21 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 the device 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 the device. 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 the device. The warranty also expires in case of any modifications not made by our authorised service centre.

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