sonoro

USER MANUAL

sonoro AMPLIFIER

English

Contents

Document information 4

General safety instructions 5

Cyber security 10

Package contents 11

Device front 12

Device rear 13

Device underside 14

Remote control 15

Display symbols 17

Technical specifications 18

Positioning the device 20

Connecting the power supply 21

Connecting to a network 22

Switching on the device 23

Initial setup 24

Preparing the remote control 25

Connecting speakers 26

Operation on the device 28

Using the remote control 30

sonoro audio App 32

sonoro Web Client 33

Home menu 34

Favorites 36

Recently played 41

Internet Radio 42

Podcasts 44

Streaming services 46

Bluetooth 48

My Music 50

AUX In 1 52

Optical 53

HDMI 54

Sub Out 56
Sound settings 57
Sleep timer 60
Alarm 61
Network settings 63
Network info 65
Language 67
Date & time 68
Device info 69
Software update 70
Factory reset 71
Google Cast 72
AirPlay Password 73
Display & Power management 74
Cyber security 76
sonoro Multiroom® 77
Requirements 79
Operating Multiroom 82
Smart Home 87
Rack mounting 88
Troubleshooting 90
Cleaning and care 95
Disposal 97
Certification marks and certificates 99
Legal information 101
Declaration of conformity 103

Document information

User manual for the device:
sonoro AMPLIFIER

- Read this manual carefully.
- Follow the instructions in the accompanying safety manual.
- If you pass on the device, also provide the accompanying safety manual.

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Need help?

Visit our support website for more information:

https://sonoro.com/support

General safety instructions

Use the device only when it is in perfect technical condition and is installed, operated and maintained in accordance with this manual.

The contents of this document may be changed at any time without prior notice.

Warning!

Danger from failure to follow the safety instructions!

This document contains important information on safe handling of the device. Potential hazards are highlighted. Failure to follow the instructions may result in serious injury, fire, electric shock, danger to life or damage to the device.

- Read this manual carefully.
- Follow the safety instructions.
- Keep the documentation accessible. The user manual for this product is provided exclusively in digital form. If you need a printed version, you can request one from us at support@sonoro.de or +49 (0) 21 31 / 88 34 141.

Introduction

- The following document provides safety and operating information to help you use your product easily and safely.
- Please read the following safety instructions before using the device.
- Keep these safety instructions in a suitable place.
- If you pass on the device to another person, also provide these safety instructions.
- The manufacturer accepts no liability for damage resulting from failure to follow this manual.

For your safety

Intended use

The sonoro AMPLIFIER (SO-1500) is a network amplifier for audio playback through passive speakers with an impedance of 4–16 ohms. Intended use includes proper installation, commissioning and operation in compliance with all information in this manual. The device is intended exclusively for stationary use at a fixed location in dry, clean, low-dust indoor rooms. Operation at changing locations or under conditions requiring transport of the device is not intended and does not constitute intended use.

Use is prohibited in particular:

- In high humidity or where condensation forms.
- In the presence of aggressive or corrosive gases, vapours or solvents.
- With large temperature fluctuations or direct sunlight.
- In environments containing oil mist, grinding dust or cutting dust.
- In atmospheres containing salt or chlorine.
- In areas with strong electromagnetic interference.

- In potentially explosive areas.

The permissible ambient temperature is +10 °C to +40 °C.

The manufacturer accepts no liability for damage resulting from use other than the intended use.

Use prohibited

- If the device or any of its components are damaged.
- After unauthorised modifications or alterations.
- After improper repairs.
- Under unsuitable ambient conditions.

Children and people with impaired abilities

- Do not leave the device unattended when children are nearby.
- People with reduced physical, sensory or mental abilities may use the device only under supervision.
- Packaging materials must not be used as toys. There is a risk of suffocation.
- Keep batteries out of reach of children.

Electrical safety

⚡ **DANGER!**

The device runs on electricity, so there is always a risk of electric shock.

Caution: Always remove the mains plug from the socket by holding the plug body. Do not touch the metal contacts of the mains plug or the contacts of the appliance power connector. Residual charges may remain in connected devices after disconnection from the mains. Touching the contacts may then cause an electric shock.

- Never touch the mains plug with wet hands.
- When unplugging from the mains socket, always pull directly on the plug. Never pull on the cable, as this could damage it.
- Ensure unobstructed access to the mains socket at all times so that the plug can be removed immediately in an emergency.
- Make sure that the power cable is not kinked, trapped or damaged.
- Route the power cable so that it does not create a trip hazard and cannot be reached by children.
- Disconnect the device completely from the mains if you will not be using it for a long time.
- Repairs must only be carried out by qualified personnel.

Symbol for PROTECTION CLASS II, protection through double or reinforced insulation

Power supply: alternating current only

Power supply

The device is designed to operate on a 100–240 V AC power supply.

The maximum continuous power consumption is 500 W. Higher inrush currents may briefly occur when switching on.

- Operate the device only if the voltage indicated on the rating plate matches the voltage of your socket.
- An incorrect supply voltage can damage the device.

- Use earthed sockets protected by a residual current device (RCD ≤ 30 mA).
- Do not use a power inverter with this product.
- We recommend using suitable surge protection.

Speaker connections

- Use only suitable speakers (4–16 ohms).
- The supplied banana plugs are designed exclusively for flexible stranded wires.
- Do not use wire end ferrules in the supplied banana plugs.
- Strip approx. 10 mm of insulation from the speaker cable and insert the stranded wire fully into the banana plug.
- Tighten the banana plug by hand only.
- Do not use tools to tighten the banana plugs.
- Connecting cables with rigid conductors (e.g. NYY cables) is not permitted.
- Connect speakers only when the device is switched off.
- Make sure that no strands are exposed or touch metal parts.
- Improper wiring can cause short circuits, a fire hazard or damage to the device.
- Keep banana plugs out of reach of children.

Cable cross-section

- For cable lengths up to 10 m, we recommend speaker cables with a cross-section of at least 2.5 mm².
- For longer cables, we recommend speaker cables with a cross-section of 4 mm² or 6 mm².
- Cable cross-sections that are too small can cause power losses, impaired sound quality, instability, overheating or a fire hazard.

Routing speaker cables

- Wherever possible, route speaker cables separately from live power cables.
- Avoid routing cables parallel to mains cables.
- Route speaker cables as far away as possible from sources of electromagnetic interference.
- Avoid crossings with other cables wherever possible.
- Do not route speaker cables over sharp edges.
- Route speaker cables so that no tensile loads act on the connections.
- Ensure that speaker cables cannot be confused with other cables.
- Do not route speaker cables near heat sources, such as recessed ceiling spotlights.
- Route speaker cables only in dry conditions and with sufficient clearance from moisture sources or potential leaks.
- For routing outdoors or in damp areas, use suitable, approved conduits.
- Ensure that speaker cables do not lie in standing water or come into direct contact with soil.
- Speaker cables routed under plaster must be installed in suitable, approved conduits.

Installation recommendations

The following recommendations are intended for installers carrying out a permanent installation.

- To prevent audio signal interference, we recommend operating the device on a separate circuit wherever possible.
- For a permanent installation, we recommend shielded speaker cables with flexible conductors.

Batteries

WARNING!

KEEP OUT OF REACH OF CHILDREN.

- Do not swallow the battery. Chemical burn hazard.
- The remote control uses a CR2032 battery.
- Always keep new and used batteries away from infants and children.
- If the battery compartment does not close securely, stop using the remote control.
- Seek medical attention immediately if you think a battery has been swallowed.
- Never attempt to recharge, open or heat batteries.
- Do not damage or deform batteries.
- Remove the batteries if the device will not be used for a long time.
- Follow the applicable regulations for battery disposal.

Placement, ventilation and overheating protection

Sufficient ventilation is required for safe operation. The device must not be placed in enclosed built-in units, wall recesses or unventilated cupboards.

- Place the device only on a stable surface capable of supporting its weight.
- Protect the device from strong mechanical shocks.
- Leave sufficient space between the rear of the device and the wall to ensure adequate ventilation.
- Ventilation openings must never be covered.
- Do not place the device directly next to radiators, storage heaters, stoves or other heat sources.
- Do not operate the device in closed or unventilated furniture.
- Do not place objects filled with liquid on the device.
- The permissible ambient temperature is +10 °C to +40 °C.

Fan and overheating protection

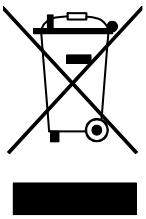
The device has a temperature-controlled fan that switches on automatically when required.

- The fan speed is automatically controlled in several stages.
- Ensure sufficient air circulation around the fan at all times.
- If heat dissipation is insufficient, the device automatically reduces the power amplifier output to prevent damage to the device.

Transport / shipping

- Improper transport or shipping can damage the device's surface.
- When travelling in a vehicle, stow the device so that it does not endanger anyone.
- If possible, pack the device in its original packaging.

Disposal at the end of service life



Do not dispose of with household waste

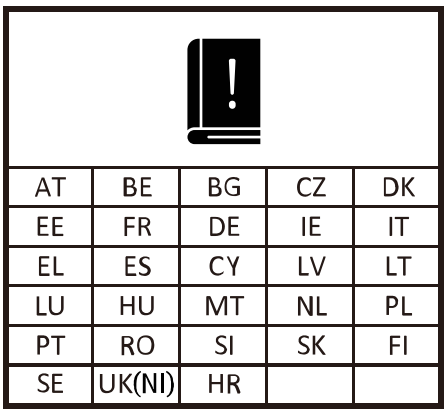
Devices marked with this symbol must not be disposed of with household waste but must be taken to a collection point for recycling electrical and electronic equipment.

Information on disposing of old devices is available from your local authority, local waste disposal service or specialist dealer.

Proper disposal helps protect the environment and health.

Batteries and rechargeable batteries may contain harmful substances and require special waste treatment. Take them to suitable collection points.

Restrictions in the 5 GHz & 6 GHz bands



AT	BE	BG	CZ	DK
EE	FR	DE	IE	IT
EL	ES	CY	LV	LT
LU	HU	MT	NL	PL
PT	RO	SI	SK	FI
SE	UK(NI)	HR		

UK:

Under Article 10 (10) of Directive 2014/53/EU, this radio equipment is subject to certain restrictions within the European Union and the United Kingdom.

Frequency band: 5150 – 5250 MHz
For indoor use only.

Frequency band: 5250 – 5350 MHz
For indoor use only. Outdoor use is not permitted.

Frequency band: 5470 – 5725 MHz
Use in vehicles, trains, aircraft or unmanned aircraft systems is not permitted.

Frequency band: 5945 – 6425 MHz
Restricted to indoor use.

Cyber security

Authentication

To ensure secure access to your sonoro device via a network connection, initial authentication is required when you first:

- use an unknown mobile device,
- use a new PC or laptop and/or a new browser,
- connect a new Smart Home system, or
- have reset your music system to factory settings.

A security prompt appears on the device display with the options “Yes” / “No”. You must use this prompt to confirm access directly on the device.

Every new access attempt from a previously unknown device or system requires this confirmation.

If the user confirms the request on the device with “Yes”, the device can be controlled via the app, a Smart Home system, or the web client.

If confirmation is denied, the corresponding external system or control device is listed under “Blacklisted clients”.

You can find an overview of blocked devices under:

Settings → Cyber security → Blacklisted clients

Only after the device has been removed from the “Blacklisted clients” list can that external system or control device submit another request.

ℹ The maximum confirmation time is 150 seconds. After this time has elapsed, a new access request must be submitted.

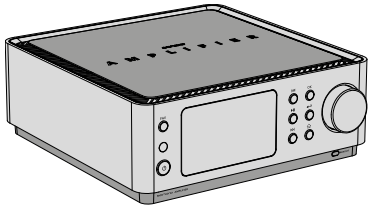
ℹ If you want to approve several new devices for a sonoro device and they are not in the immediate vicinity of the sonoro device, you can also approve them via the sonoro app.

First approve the device on which the sonoro app is installed. Then select the corresponding sonoro device in the app. From there, you can approve additional devices without having to be directly at the sonoro device.

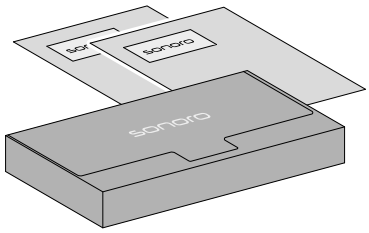
Package contents

The following items are included:

Main components



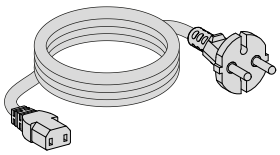
sonoro AMPLIFIER



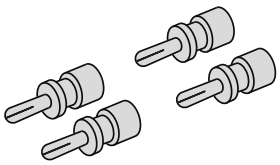
Documentation pack

Remote control

Accessories



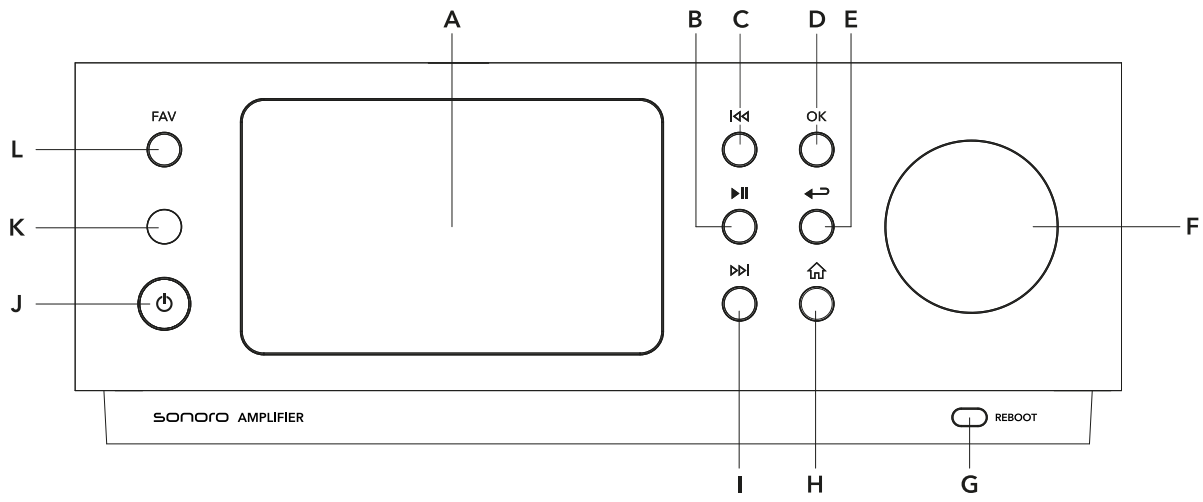
Power cable



4 banana plugs

After unpacking, check that all listed items are present and undamaged. If any parts are missing or damaged, contact your dealer or sonoro customer service. sonoro.com/support

Device front



A	Display	B	Play / Pause button
C	Previous track	D	OK button
E	Return to previous menu / submenu	F	Rotary dial / volume control
G	Reboot button	H	Home menu
I	Next track	J	On / off switch
K	Infrared receiver	L	Favorites

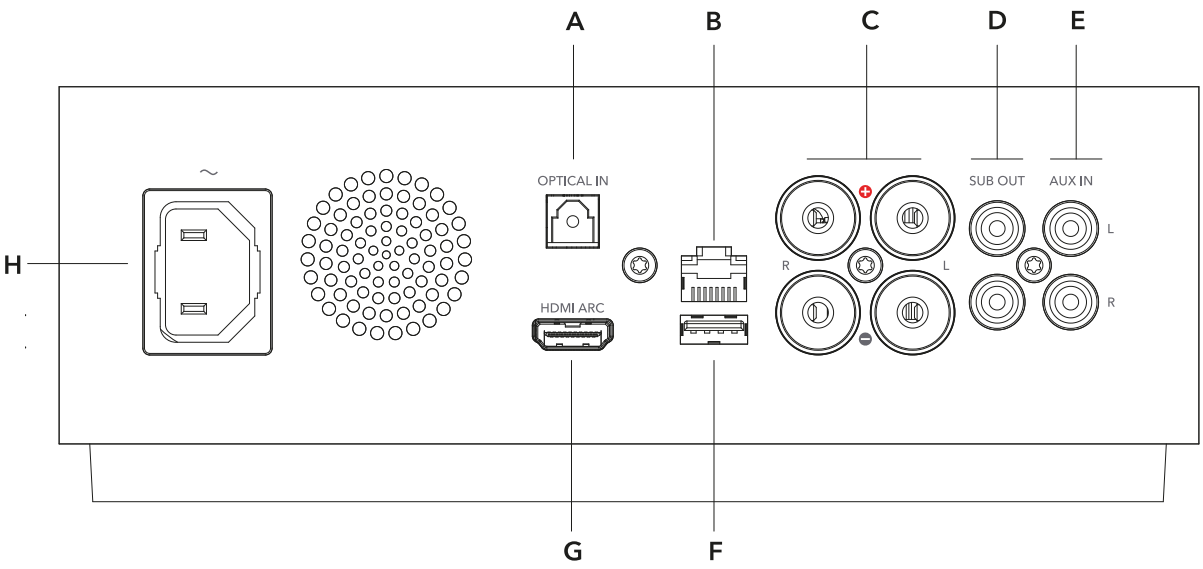
ℹ The overview describes the main functions of the controls. Additional functions may be available depending on the selected source, active menu or current operating mode. The functions shown on the display are authoritative.

Restart

If the device does not respond as expected, it can be restarted using the **Reboot button (G)** on the lower right of the front panel.

ℹ The Reboot button restarts the device without deleting saved settings or favourites. Use this function only when the device is no longer operating correctly.

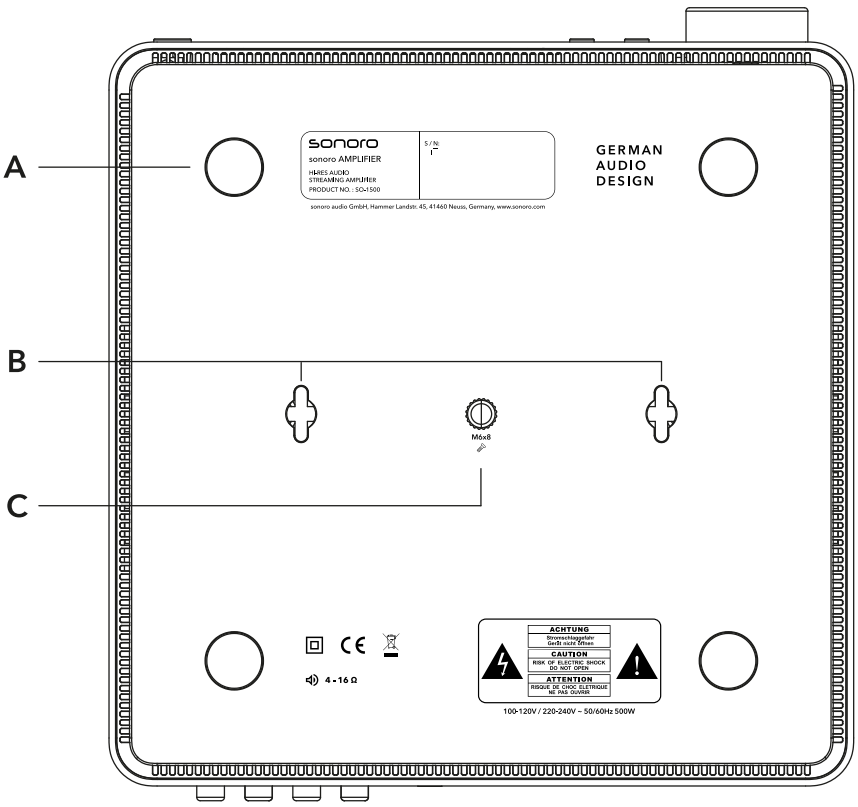
Device rear



A	Optical digital input (Optical In)	B	Network port (LAN)
C	Speaker outputs	D	Subwoofer output (Sub Out)
E	Analogue audio input (Aux In)	F	USB port
G	HDMI ARC	H	Power socket

ℹ The markings A to H in the device image correspond to the described connections on the rear of the device.

Device underside



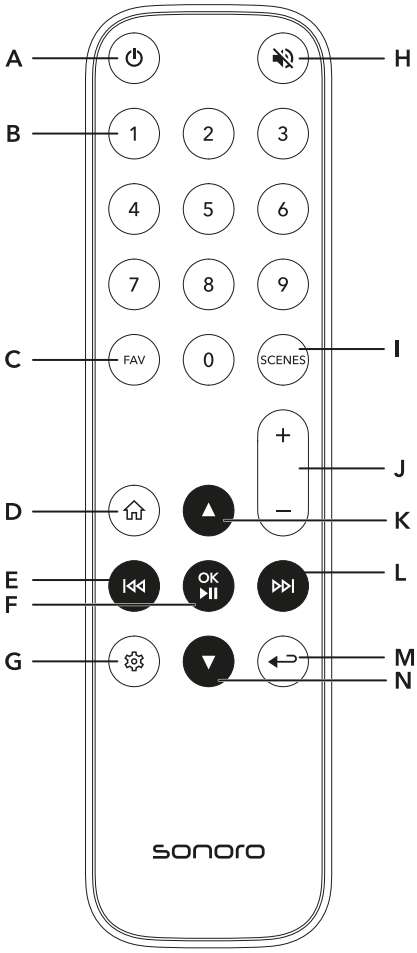
A Device feet

B Wall mounting openings

C M6 threaded insert

ℹ Two integrated wall mounting openings are available for wall mounting. The hole spacing is marked on the device. **When wall-mounted, the display must face downwards.** An M6 threaded insert is also located in the centre for installation and mounting purposes.

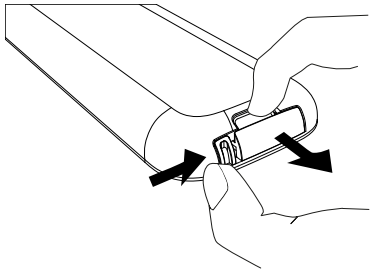
Remote control



A	On / Off button	B	Direct selection buttons for favorites (0–9)
C	Favorites button	D	Home button
E	Previous track / station	F	Play / Pause and OK button
G	Settings	H	Mute button
I	Scenes button	J	Volume up / down button
K	Up button	L	Next track / station
M	Back / submenu button	N	Down button

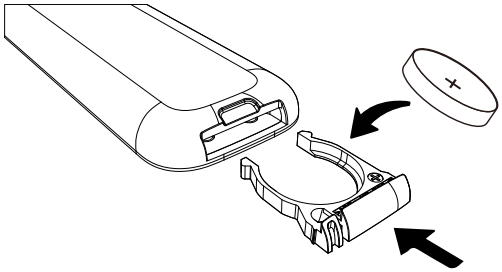
Replacing the battery

Replace the battery if the remote control range decreases or operation is no longer possible.



1. Open the battery compartment

Press the release tab and pull out the battery holder.



2. Insert the battery

Insert a battery of type **CR2032** with the (+) marking facing upward and slide the battery holder fully back into the remote control.

ℹ Use only CR2032 batteries.

ℹ Do not cover the infrared sensor on the front of the device to ensure reliable signal transmission.

Display symbols

The following symbols may appear on the display depending on the source, playback mode or device status.

The Wi-Fi connection is established (with signal strength indication).

The Wi-Fi connection is interrupted.

The device is in Wi-Fi configuration mode (“SoftAP”).

The LAN network is connected.

The LAN network is disconnected.

Bluetooth is in search/discoverable mode.

A Bluetooth audio device is connected.

A Bluetooth headset or speaker is connected.

The radio station or music track is in the favourites list.

The signal level indicator shows the reception strength for terrestrial radio.

The “Repeat all” playback mode is active.

The “Repeat track” playback mode is active.

The “Repeat folder” playback mode is active.

Shuffle playback is active.

The sleep timer is active.

The alarm is enabled.

The snooze function is active.

Audio output is muted.

Playback is running.

Playback is paused.

Playback is stopped.

The output power has been limited to 80 % for protection.

The output power has been limited to 50 % for protection.

The output power has been limited to 25 % for protection.

Technical specifications

Sound	Class-D Hypex amplifier 2 × 250 W at 4 Ω Operation with external speakers with an impedance of 4 to 16 Ω Adjustable bass, treble and balance Advanced mode with 7-band equalizer Adaptive Loudness function Equalizer presets for sonoro speakers Bass management for systems up to 2.2
Display	4″ TFT colour display High-resolution, graphical
Encryption	WEP, WPA2 (PSK), WPA3, WPS, HTTPS, TSL, Tofu
Network	Wi-Fi: IEEE 802.11 a/b/g/n/ac/ax, 2.4 / 5 GHz LAN network port
Network (LAN)	Ethernet, 10BASE-T / 100BASE-TX
Sleep timer	5–120 minutes Adjustable in 5-minute intervals
Favorites	A total of 99 local favourite presets for all sources Additional storage options may be available from streaming and internet radio providers
Operation	Via remote control Control via the sonoro audio App Directly on the device Smart Home Ready
Power supply	Built-in power supply AC 100–120 V, 50/60 Hz AC 220–240 V, 50/60 Hz 500 W In standby: < 2 W

Music streaming	Internet Radio Podcast Bluetooth® (A2DP, AVRCP) Bidirectional Bluetooth® connection for Bluetooth® headphones Apple AirPlay* Google Cast* Spotify Connect™* TIDAL™* & TIDAL Connect™* Amazon Music HD™* Qobuz™* & Qobuz Connect™* Deezer™* DLNA, UPnP sonoro Multiroom
Input / Output	HDMI ARC USB-A with charging and playback functions Optical input AUX IN (RCA input) Sub Pre-out
Operating temperature	0 °C to +40 °C
Rack installation	Two devices fit on a 2U rack shelf
Supported audio formats	• WAV, FLAC and AIFF – max. 24 Bit / 192 kHz • ALAC – max. 24 Bit / 192 kHz • AAC – max. 48 kHz, 320 kbps, 16 Bit • MP3 – max. 48 kHz, 320 kbps, 16 Bit • AAC LC / HE-AAC v2 – max. 48 kHz, 320 kbps, 16 Bit • OGG Vorbis and WMA – max. 48 kHz, 320 kbps, 16 Bit • M4A – max. 48 kHz, 320 kbps, 16 Bit • DSD 64 / 128 / 256 (DSF / DFF)
Supported playlist formats	ASX (Microsoft®), M3U, PLS / WPL
Bluetooth®	Bluetooth® Version 5.3 AVRCP v1.6, A2DP 1.3.1 2.402 GHz – 2.480 GHz SBC, BLE, LE Audio Range approx. 10 m
Radio output power	BT & BLE 9.89 dBm

* Certain content is not available in all regions due to licensing rights.

Subject to technical changes.

Positioning the device

Before positioning the device, read the information under General safety instructions.

Place the device only in dry indoor rooms and avoid direct heat sources, moisture, strong sunlight and areas with insufficient ventilation.

Ensure that the ventilation openings are not covered and that there is enough space around the device for air circulation.

Unpacking the device

- Carefully unpack the device and all included parts.
- Check the device and all included parts for visible damage.
- Check that all items are included.

→ See Package contents.

- If possible, keep the packaging so that you can safely transport or ship the device later.

ℹ If any parts are missing or damaged, contact your dealer or sonoro customer service: sonoro.com/support

Choosing a suitable location

- Place the device only on a stable, level surface capable of supporting its weight.
- Protect the device from strong mechanical shocks.
- Maintain a minimum distance of 10 cm from the rear wall and other objects.
- Do not operate the device in closed cupboards or unventilated furniture.
- Do not place objects filled with liquid on the device.
- Do not place the device directly next to radiators, storage heaters, stoves or other heat sources.
- The permissible ambient temperature is +10 °C to +40 °C.

ℹ The sonoro AMPLIFIER has a temperature-controlled fan. Always ensure sufficient air circulation and never cover the ventilation openings.
→ Further information can be found under General safety instructions.

Wall mounting

Alternatively, the sonoro AMPLIFIER can be mounted on a suitable wall.

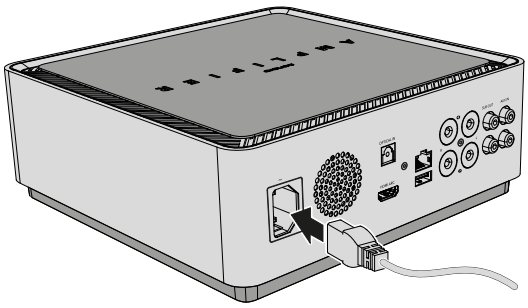
- Use only suitable mounting hardware.
- The mounting wall must be load-bearing and made of non-combustible material.
- Maintain a minimum distance of 10 cm from adjacent surfaces all around the device.
- Ensure sufficient air circulation.
- Do not mount the device directly above heat sources or other devices.

ℹ When wall-mounted, the **rear of the device with the ventilation openings must always face the ceiling**. This is the only way to ensure adequate ventilation and heat dissipation.
→ Information about the wall mounting points can be found under Device underside.

Connecting the power supply

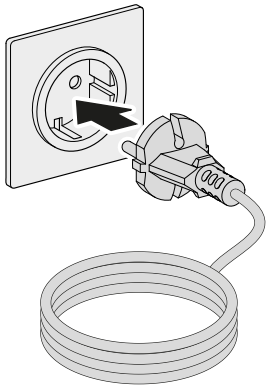
Connect the sonoro AMPLIFIER to the mains to put the device into operation.

Before connecting, read the information under General safety instructions.



1. Connect the power cable

Connect the power cable to the power socket on the rear of the sonoro AMPLIFIER.



2. Connect to power

Then insert the mains plug into an easily accessible socket.

ℹ Use only a suitable AC power supply of 100–240 V AC, 50/60 Hz.

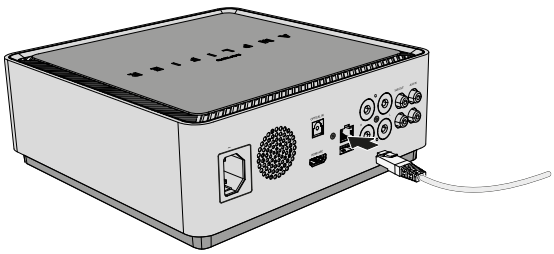
ℹ Make sure the power cable is not kinked, trapped or subjected to excessive strain.

ℹ The socket should be as close to the device as possible and freely accessible at all times, so that the device can be quickly disconnected from the mains if necessary.

ℹ When using multi-socket outlets, observe their technical specifications and ensure that the total power of all connected devices does not exceed the outlet's maximum permissible load. Also follow the power supply information in the General safety instructions.

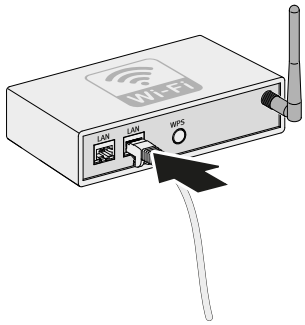
Connecting to a network

To use streaming services, internet radio, software updates and other network functions, the sonoro AMPLIFIER must be connected to a network.



1. Connect the sonoro AMPLIFIER

Connect a network cable to the LAN port of the sonoro AMPLIFIER.



2. Connect the router

Connect the other end of the network cable to a free LAN port on your router or network switch. The network connection is then established automatically.

Use Wi-Fi instead of LAN?

Alternatively, the sonoro AMPLIFIER can be connected to your network wirelessly via Wi-Fi. Set up the network connection using the network settings.

→ **See chapter: Network settings**

ℹ A wired LAN connection is required to use sonoro Multiroom. This function is not supported over Wi-Fi.

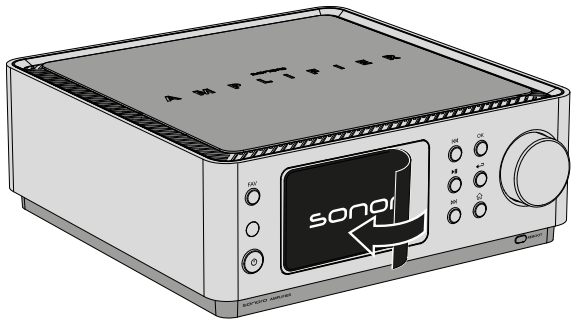
ℹ For a stable Wi-Fi connection, place the device within range of your router wherever possible. Metal surfaces, reinforced concrete walls or other radio sources can affect signal quality.

ℹ Wi-Fi repeaters or mesh systems may occasionally cause connection problems. Ensure your network is set up correctly.

ℹ Network settings can be adjusted at any time via the device menu.

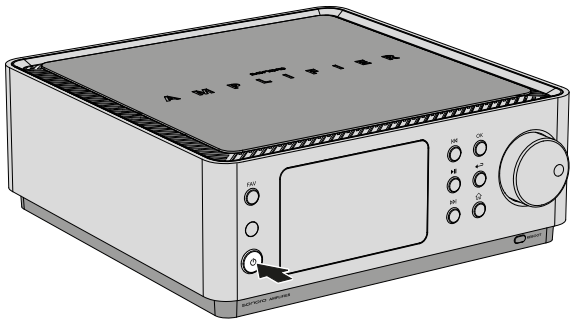
Switching on the device

Once the power supply has been connected, the sonoro AMPLIFIER can be switched on.



1. Removing the protective film

Carefully remove the protective film from the top of the device.



2. Switching on the device

Press the power button on the front panel to switch on the sonoro AMPLIFIER.

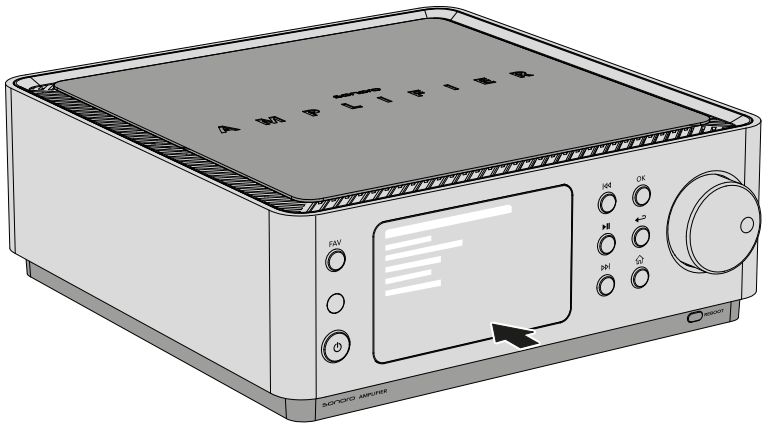
ℹ After switching on, the sonoro AMPLIFIER automatically starts the setup wizard.

ℹ The initial startup may take a few seconds. During this time, the internal systems are initialised.

ℹ If the device cannot be switched on, check the power supply and make sure that the power cable is connected correctly.

Initial setup

When first switched on, the sonoro AMPLIFIER automatically starts initial setup. Follow the instructions on the display to set up the device step by step.



Setup steps

- Select a language
- Accept the privacy policy

  Information about data protection is available at: sonoro.com/datenschutzerklaerung-app
- Connecting to a network

  → Further information can be found in the chapter Network settings.
- Check for software updates

Set the device name

To ensure clear identification in CI mode and in the sonoro App, Connect service and smart home systems, we recommend assigning an individual device name.

To do this, open:

Settings → Device info → Device name

Enter the desired name (e.g. **Living room** or **sonoro AMPLIFIER**) and confirm by selecting **Done**.

→ Further information can be found in the chapter Device info.

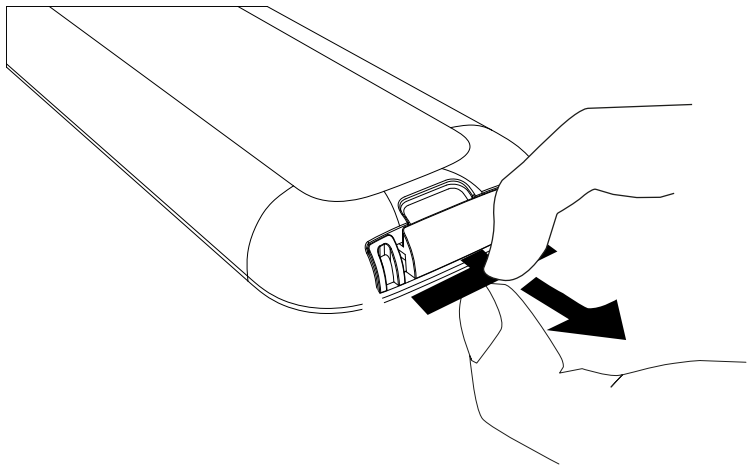
ℹ Network connections can be adjusted at any time later under **Settings → Network settings**.

ℹ An active network connection is required to use streaming services, internet radio and multiroom functions.

ℹ Once setup is complete, the sonoro AMPLIFIER home screen appears and the device is ready for use.

Preparing the remote control

Before first use, the battery insulating tab must be removed from the remote control.



Remove battery insulating tab

Pull the insulating plastic film carefully out of the remote control. The remote control is then ready for use immediately.

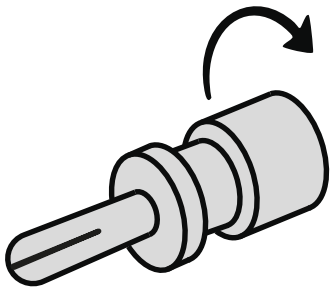
ℹ Remove the battery insulating tab only immediately before using the remote control for the first time.

Connecting speakers

Connect your speakers to the speaker terminals on the rear of the device. Ensure the correct assignment of right and left speakers and the correct polarity (+/-).

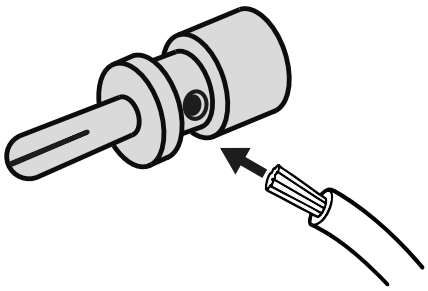
Preparing the banana plugs

Prepare the supplied banana plugs before connecting the speakers to the device.



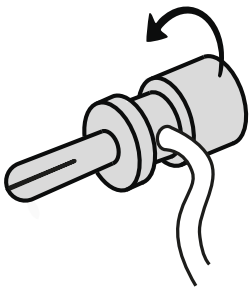
Opening the cap

Unscrew the cap of the banana plug.



Inserting the cable

Insert the stripped speaker cable (strip approx. 10 mm) into the side opening.

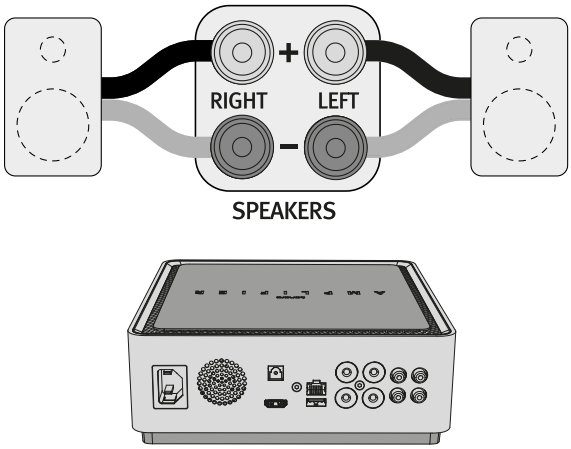


Tightening the cap

Tighten the cap again so that the cable is securely fixed.

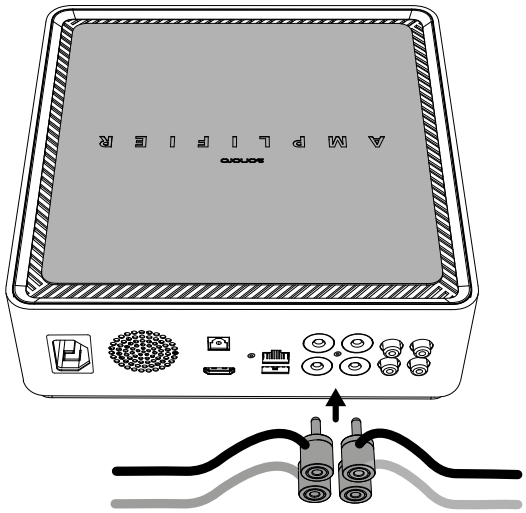
Positioning the speakers

Connect the right speaker to the RIGHT (R) terminals and the left speaker to the LEFT (L) terminals. Ensure that the positive (+) and negative (-) wires are connected identically on both speakers.



Connecting the banana plugs

Insert the prepared banana plugs fully into the speaker terminals on the rear of the device.

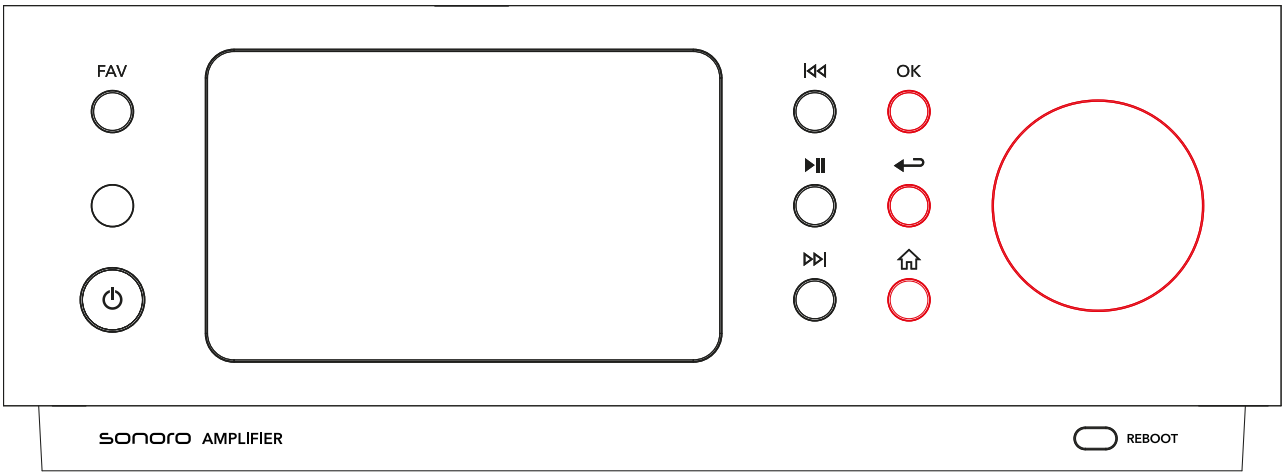


ℹ Reversed polarity can impair sound quality and stereo imaging.

⚠ Before connecting the speakers, read the General safety instructions, especially the information on safely handling electrical devices.

Operation on the device

The sonoro AMPLIFIER can be operated directly using the controls on its front panel. The main controls are the volume and navigation dial and the OK, Back and Home buttons.



Volume and navigation dial

Use the rotary dial to navigate menus and adjust the volume during playback.

- Turn the dial to select a menu item or setting.
- Turn the dial during playback to increase or decrease the volume.

OK button

OK

Use the OK button to confirm inputs and, depending on the current view, open further information.

- Press the OK button to confirm a selection.
- When a source is playing, pressing the OK button may display additional information about the source, station or music track.

Back button

Use the Back button to return to the previous view or exit a menu.

- Press the Back button to return to the previous menu item.
- During playback, the Back button may open a submenu or previous view, depending on the source.

Home button

Use the Home button to open the Home menu.

- Press the Home button to open the central overview of sources and settings.

ℹ The exact function of individual buttons may vary slightly depending on the source, menu or playback situation. The respective functions are described on the relevant pages.

Using the remote control

You can use the remote control to navigate through menus, control sources and directly access key functions.

Navigating the menu

Up / down
Press the Up or Down button to navigate up or down in the menu.

Left / right
Press the Right button to go one level deeper in the menu. Press the Left button to go back one level.

While a source is playing, you can use the Left or Right button to switch to the previous or next track.

OK / Play/Pause
When a menu is displayed, press the button to confirm the selection.

When a source is playing or an alarm has been triggered, press the button to start or pause playback, or to activate the snooze timer.

Back
When a menu is displayed, press the Back button, to return to the previous menu.

When a source is playing, press the Back button, to open the source submenu.

Direct functions

Home
Press the Home button to open the Home menu.

Settings
Press the Settings button to open the settings menu directly.

ℹ Information on saving, opening, and directly selecting favorites using the remote control can be found in the chapter **Favorites** .

ℹ Depending on the source or menu, individual buttons may have additional functions. The respective function is described in the corresponding chapters.

sonoro audio App

The sonoro audio App lets you conveniently set up your sonoro device and manage all important settings directly from your smartphone or tablet.

The app also lets you control sources, playback, and volume, use Multiroom functions, and install future software updates.

Availability

The sonoro audio App is available free of charge for iOS (Apple App Store) and Android (Google Play Store).

App functions

- Manage local favorites and copy them to other sonoro devices
- Control sonoro Multiroom
- Manage network and streaming services
- Control sources, playback, and volume
- Adjust sound and device settings
- Search Internet radio, podcasts, and offline music (USB & NAS)
- Install software and firmware updates

ℹ For full use of all network and streaming functions, we recommend using the sonoro audio App.

ℹ Always make sure you are using the latest version of the sonoro audio App to ensure proper operation.

sonoro Web Client

The sonoro Web Client lets you conveniently manage and configure your sonoro device using a web browser on your local network.

ℹ The device's IPv4 address is required to use the sonoro Web Client. You can find the IPv4 address under **Settings → Network info**.

Establishing a connection

- Enter the device's IPv4 address in the address bar of your web browser.
- Use only the dot-separated number sequence of the IPv4 address, for example **192.168.0.23**.

The first time you connect the Web Client to your device, you will be prompted to confirm the connection.

After confirmation, the device saves your selection and future connections are established automatically without requiring confirmation again.

ℹ The Web Client works only when your computer and the sonoro device are on the same network.

ℹ sonoro Multiroom cannot be controlled via the Web Client.

Home menu

The Home menu provides access to the device's main sources, playback functions and settings.

Opening the Home menu

Press the **Home button** on the device or remote control, or open the Home menu in the sonoro audio App.

Menu items

Favorites	Open saved favourites.
Internet Radio	Play internet radio stations from around the world.
Podcasts	Find and play podcasts.
Bluetooth	Play audio content from a paired Bluetooth device.
AUX In 1	Play an external analogue audio source.
Optical	Play a digital audio source via the optical input.
HDMI	Play audio via the HDMI connection.
Spotify	Play music via Spotify Connect.
Amazon Music	Play music via Amazon Music.
TIDAL	Play music via TIDAL Connect.
Deezer	Play music via Deezer.
Qobuz	Play music via Qobuz Connect.
My Music	Play music files from the local network.

	Recently played	Quickly access recently used sources and content again.
	Settings	Open and adjust device settings. • Sound settings • Sleep timer • Alarm • Network settings • Network info • Language • Date & time • Device info • Software update • Factory reset • Google Cast • AirPlay Password • Display & Power management • Cyber security

ℹ The menu items displayed may vary depending on the network connection, enabled services and device configuration.

Favorites

Up to **99 local favorites** are available. For example, radio stations, podcasts, playlists, albums, tracks, or input sources can be saved as favorites. **Up to 20 favorites can be saved for Spotify**.

Saving favorites on the device

To save a favorite directly on the device, the desired source must be selected or the desired content must be playing.

FAV Press and hold the **FAV button** until the favorites list is displayed.

Select an available preset.

OK Press the **OK button** to save the favorite.

Opening favorites on the device

FAV Briefly press the **FAV button** to open the favorites list.

Select the desired favorite.

OK Press the **OK button** to start the favorite.

ℹ Saved favorites can also be opened via **Home** → **Favorites** . However, this menu can only be used to open favorites, not to save them.

Saving favorites using the remote control

To save a favorite using the remote control, the desired source must be selected or the desired content must be playing.

Press and hold the **FAV button** until the favorites list is displayed.

Use the navigation buttons to select an available preset.

Press the **OK button** to save the favorite.

Opening favorites using the remote control

Briefly press the **FAV button** to open the favorites list.

Use the navigation buttons to select the desired favorite.

Press the **OK button** to start the favorite.

Direct favorite selection using the remote control

Presets 1–9

- Press and hold a number button to save a favorite.
- Briefly press a number button to open a favorite.
- Playback starts automatically after a few seconds.

Presets 10–99

- Briefly press the first digit and press and hold the second digit to save a favorite.
- Briefly press both digits in sequence to open a favorite.

Smart Home scenes using the remote control

In addition to local favorites, the sonoro remote control can also trigger Smart Home scenes. Up to **9 Smart Home scenes** per device can be opened using the remote control.

Open a Smart Home scene

- The device can be switched on or in standby.
- Press the **Scenes** button.
- Then, within **2 seconds**, press a number button **1–9** to open the desired Smart Home scene.

Supported Smart Home systems can be found at: sonoro.com/smart-home

ℹ If the number buttons **1–9** are used without first pressing the **Scenes** button, they directly select local favorites.

ℹ Pressing and holding a number button saves the currently playing content to the corresponding local favorite preset.

Types of favorites

Two types of favorites are supported: **local favorites** and **source-specific favorites**.

Local favorites are saved directly on the device and can be opened at any time. For example, individual podcast episodes, radio stations, playlists, albums, tracks, or inputs can be saved as local favorites.

In addition, certain sources such as Internet Radio and Podcasts support **source-specific favorites**. These favorites are managed within the respective source and can only be opened there.

For example, an entire podcast, including all available episodes, can be saved as a favorite within the **Podcasts** source. Internet radio stations can likewise be saved as favorites within the **Internet Radio** source.

ℹ To save an Internet radio station or podcast as a source-specific favorite, press and hold the Play/Pause button during playback. You can then find the saved entries in the Favorites menu of the respective source.

ℹ Local favorites remain permanently saved and are still available after a restart.

ℹ For **Spotify**, a maximum of **20 local favorites** can be saved. To save local Spotify favorites, you must sign in on the device or via the sonoro audio App. After using **Spotify Connect** for the first time, local Spotify favorites can also be saved directly.

ℹ The sonoro audio App can also be used to copy locally configured favorites from one device to all other devices on the network.

ℹ When copying favorites between the sonoro AMPLIFIER and the sonoro MAESTRO Quantum Signature or MEISTERSTÜCK 3, the sound settings (Bass, Treble and Balance) stored as factory-set favorites cannot be transferred or overwritten. This applies in both directions, regardless of the position of the sound settings in the favorites list. To copy favorites fully between these devices, first replace the corresponding sound-setting favorites on the MAESTRO Quantum Signature or MEISTERSTÜCK 3 with other favorites, such as music sources or playlists. The sound settings remain accessible via Settings → Sound settings even after the favorite presets have been overwritten.

Recently played

Recently played in the Home menu gives you quick access to sources that were recently used or played.

Open Recently played

Open the Home menu and select:

Home → Recently played

The list contains recently used sources and playback items and provides quick access to recently used content.

ℹ The list may include Internet radio stations, podcasts, streaming services, or input sources, for example.

ℹ When the maximum number of saved entries is reached, the oldest entry is automatically overwritten.

ℹ The availability of individual entries depends on the respective source.

Internet Radio

Internet Radio lets you receive thousands of radio stations from around the world via your network connection.

Discover local and international stations, different music genres, news programs, and much more.

ℹ Internet Radio requires an active network connection via LAN or Wi-Fi.

Open Internet Radio

Open the Home menu and select:

Home → Internet Radio

Functions and submenus

Favorites	Open saved Internet radio stations.
History	Display recently played Internet radio stations
Recommendations	Display recommended stations and content
Local stations	Display radio stations from your region
Popular stations	Display frequently played and popular radio stations
Trending	Display currently popular radio stations
High quality	Display stations with particularly high audio quality
New stations	Display recently added radio stations
Filter	Filter radio stations by: • Location • Language • Genre Filters can be combined.
Search	Search specifically for radio stations.

- Station name
- City
- Country
- Genre

Enter the search term and start the search using the **Search** menu item.

ℹ Internet Radio favorites can be saved directly during playback For more information, see the chapter Favorites .

Podcasts

With Podcasts, you can listen to thousands of podcast shows and episodes from around the world via your network connection.

Discover news, knowledge, entertainment, interviews, audio dramas, and much more.

ℹ Podcasts require an active network connection via LAN or Wi-Fi.

Open Podcasts

Open the Home menu and select:

Home → Podcasts

Functions and submenus

Favorites	Open saved podcasts
History	Display recently played podcasts
Popular podcasts	Discover particularly popular podcasts
Trending	Display currently popular podcasts
Filter	Filter podcasts by: • Location • Language • Genre Filters can be combined.
Search	Search specifically for podcasts. • Podcast name • Host • Topic • Genre

Podcast favorites

ℹ Within the **Podcasts** source, entire podcasts can be saved as source-specific favorites. These favorites are managed directly in the Podcasts menu.
To save a podcast as a favorite, press and hold the **Play/Pause button** (⏯) during playback.

To open saved podcasts, open the **Podcasts** source, go to the **Favorites** submenu, and select the desired entry.

ℹ Individual podcast episodes can also be saved as local favorites on the device. For more information, see the chapter Favorites .

Streaming services

Enjoy your favorite music via supported streaming services such as Amazon Music, Deezer, TIDAL, Spotify, and Qobuz.

Amazon Music

Deezer

TIDAL

Qobuz

ℹ An active network connection is required to use streaming services. Depending on the service, a user account or paid subscription may be required.

Connect functions

The following music services can be controlled directly via the respective streaming provider's app.

Spotify Connect

Use your smartphone, tablet, or computer as a remote control for Spotify. For more information, visit www.spotify.com/connect .

TIDAL Connect

Stream music directly from the TIDAL app to your sonoro device.

Qobuz Connect

Stream music directly via the Qobuz app to your sonoro device.

ℹ For further information, please refer to the documentation, apps, or websites of the respective streaming service provider.

Favorites

Personal playlists or favorites are always linked to the respective streaming service user account. Other accounts can access them only if the playlist has been made public.

To save local favorites for a streaming service, you must sign in with your user account directly on the device or to the respective streaming service via the sonoro audio App.

ℹ Available services and functions may vary by country, user account, app version, or provider.

Bluetooth

For playback from paired audio sources (e.g. smartphone, tablet, or computer) and on paired Bluetooth audio devices (e.g. headphones or speakers) within a range of approximately 10 meters.

Open Bluetooth

Open the Home menu and select:

Home → Bluetooth

Before connecting to a Bluetooth device

- Disconnect any existing connection on the Bluetooth device.
- Make sure the Bluetooth device is in discovery mode and ready for pairing.
- Refer to the operating instructions for the respective Bluetooth device.

Connecting to a Bluetooth device for the first time

1. Open the Bluetooth menu on the Bluetooth device (e.g. smartphone or tablet).
2. Open the Bluetooth menu on the sonoro music system.
3. Start the automatic search.
4. Wait until the name of the Bluetooth device is displayed.
5. Select the Bluetooth device.
6. Confirm with **OK**.
7. Select **Pair**.
8. Confirm again with **OK**.
9. Confirm **Pair** on the Bluetooth device.

When this symbol flashes, the device is in search and pairing mode.

This symbol is displayed after successful pairing.

ℹ After successful pairing, the message “Bluetooth paired” briefly appears on the display.

ℹ An active connection is shown on the display as “Bluetooth device name | Active”.

Bluetooth submenu

Searching for Bluetooth devices	Starts the search for new Bluetooth devices. The search takes 30 seconds.
Paired audio source devices	Displays active or previously paired audio sources (e.g. smartphone, tablet, or computer).
Paired headphone / speaker devices	Displays active or previously paired Bluetooth devices (e.g. headphones or speakers).
New devices	Displays newly found Bluetooth devices. A maximum of six new devices are displayed.

Connecting to a previously paired Bluetooth device

The most recently connected Bluetooth device reconnects automatically.

For other previously paired Bluetooth devices:

- Open the Bluetooth menu.
- Select the Bluetooth device.
- Select **Connect** and then confirm with **OK**.

Disconnecting a paired Bluetooth device

- Open the Bluetooth menu.
- Select the connected Bluetooth device.
- Select **Disconnect** and confirm with **OK**.

ℹ Disconnection from the Bluetooth device is confirmed on the display.

Unpairing a Bluetooth device

- Open the Bluetooth menu.
- Select the Bluetooth device.
- Confirm with **OK**.
- Select **Unpair**.
- Confirm again with **OK**.

ℹ After unpairing, the Bluetooth device must be paired again before it can reconnect.

My Music

With **My Music**, you can play music files from connected USB storage devices or media servers on the same network.

Tracks are selected according to the existing folder and file structure of the respective source.

Open My Music

Open the Home menu and select:

Home → My Music

Supported sources

- External storage devices connected via USB.
- Media servers on the same network.

Functions and submenus

Shared Music	Searches the connected network for sources containing audio files. If a media server is found, its audio files can be played on the device.
USB-A	Access content according to the existing file structure.
Playlists	Create your own playlists or select existing playlists. • Create new playlist • Select an existing playlist To add a track to a playlist: • Select a source in "My Music". • Select a track without confirming the track. • Press and hold the **Play/Pause button** (⏯). • Select **Add to playlist**. • Select **Now**, **After current**, or **Append**.
Play queue	Displays the current playback queue. • "Play queue is empty" • "Try adding tracks to the Play queue." To add a track to the Play queue:

	• Select a source in “My Music”. • Select a track without confirming the track. • Press and hold the **Play/Pause button** (⏯). • Select **Add to play queue**. • Select **Now**, **After current**, or **Append**.
Shuffle	Play tracks in random order. • Shuffle on • Shuffle off
Repeat	Repeat function for tracks, folders, or playlists. • Repeat all • Repeat one • Repeat folder • Repeat off

ℹ Available functions may vary depending on the source, media server, file format, and folder structure.

AUX In 1

For playback from external devices connected via the **AUX IN 1** input.

Open AUX In 1

Open the Home menu and select:

Home → AUX In 1

Functions and submenu

Input sensitivity

Adjusts the input gain for connected devices.

- **Low** (500 mV)
- **Medium** (1000 mV)
- **High** (2000 mV)

ℹ If the playback volume of a connected device seems too low or too high, the input sensitivity can be adjusted accordingly.

Optical

For playback from external devices connected via the **Optical** input.

Open Optical

Open the Home menu and select:

Home → Optical

Functions and submenu

Input gain	Input gain is a function for adjusting the volume level of the optical inputs. The value can be set from 0 dB (default) to +18 dB to compensate for differences in input volume levels between sources.
Audio latency compensation	Audio latency compensation is a function for adjusting a time offset between video and audio signals. The value can be set from 0 ms (default) to 480 ms.

ℹ Adjust the input gain and audio latency compensation to suit your source and setup.

HDMI

For playback from external devices connected via the **HDMI** input.

Open HDMI

Open the Home menu and select:

Home → HDMI

Functions and submenu

HDMI CEC	This function allows control commands to be sent from or to an external device connected via HDMI. If **On** is selected, a message indicates that power consumption may increase.
HDMI auto switching	When HDMI CEC is enabled, the **HDMI auto switching** function is available: the input automatically switches to the HDMI source when the connected device is switched on.
Input gain	Input gain adjusts the volume level of the HDMI input. The value can be set from 0 dB (default) to +18 dB to compensate for differences in input volume levels between sources.
Audio latency compensation	Adjusts the time offset between video and audio signals. The value can be set from 0 ms (default setting) to 480 ms.

Connecting to a TV

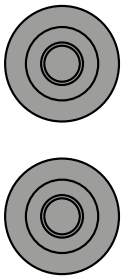
- In the TV's audio settings, set the digital audio output to PCM or stereo and enable HDMI CEC if it is not already enabled.
- Depending on the manufacturer, the CEC function may have a different name in the TV menu, for example:
    - Sony BraviaSync
    - Philips Easylink
    - LG Simplink
    - Samsung Anynet+
    - Toshiba CE-Link or Regza Link
- Bidirectional control between the TV and the device works only when the HDMI source is selected on the sonoro device.

- Please note that no control commands are detected when the sonoro device is in deep sleep mode.

ℹ HDMI CEC and automatic HDMI switching are available only if the connected devices support CEC.

Sub Out

SUB OUT



Via the **SUB OUT** connection, you can connect an active subwoofer to the device. Low frequencies are then output to the subwoofer.

Connecting an active subwoofer

Connect the line input (LINE IN or LFE IN) of your active subwoofer to one of the device's SUB OUT connections using a suitable RCA cable.

ℹ The SUB OUT connections provide an audio signal and are intended exclusively for active subwoofers or external power amplifiers with an integrated amplifier.

Enabling the subwoofer

After connecting, the subwoofer must be enabled in the audio settings:

- Open **Settings**
- Select **Audio system setup**
- Open **Speaker configuration**
- Select **2.1 system** or **2.2 system**

Once enabled, low frequencies are automatically routed to the connected subwoofer.

ℹ A 2.1 system uses one subwoofer. A 2.2 system allows two subwoofers to be connected to the two SUB OUT connections.

ℹ Volume, crossover frequency and other settings are adjusted directly on the subwoofer.

Sound settings

Use the Sound settings to adapt the device's sound to your listening preferences, speakers and room acoustics.

Opening the Sound settings

Open the settings menu and select:

Settings → Sound settings

These sections help you navigate this manual. The menu structure on the device may differ. Adjust settings on the device or in the Web Client.

Standard audio settings

Bass

Boosts or reduces low frequencies.

Adjustment range: -12 to +12.

Treble

Boosts or reduces high frequencies.

Adjustment range: -12 to +12.

Balance control

Changes the volume balance between the left and right channels.

Adjustment range: L10 (left) to R10 (right); 0 = balanced.

Adaptive loudness

Automatically boosts bass and treble at low volume to make the sound fuller and more lively. The effect is automatically reduced as the volume increases.

Options: On / Off.

Volume limit

Limits the maximum volume.

Adjustment range: 0 to 100 %.

Audio system setup

Speaker configuration

2.0 system

Operation with two speakers and no subwoofer.

2.1 system

Operation with two speakers and one subwoofer.

2.2 system

Operation with two speakers and two subwoofers.

Output mode

Selects between Stereo and Mono (L+R).

Options: Stereo / Mono (L+R).

High-pass crossover

Determines whether the speakers operate with a high-pass filter.

Options: 12 dB/oct. / Off.

Requirement: only with a 2.1 or 2.2 system.

High-pass frequency

Sets the crossover frequency between the speakers and subwoofer.

Adjustment range: 40 Hz to 200 Hz, in predefined steps.

Requirement: only with a 2.1 or 2.2 system.

Subwoofer

Subwoofer mode

Selects between mixed output and left/right output.

Options: Mixed / Left / Right.

Requirement: only with a 2.2 system; Stereo output mode required.

Subwoofer level

Adjusts the volume of the connected subwoofer.

Adjustment range: -12 to +12 dB.

Requirement: only with a 2.1 or 2.2 system; Stereo output mode required.

Subwoofer L level

Adjusts the volume of the left subwoofer.

Adjustment range: -12 to +12 dB.

Requirement: only with a 2.2 system; Stereo output mode required.

Subwoofer R level

Adjusts the volume of the right subwoofer.

Adjustment range: -12 to +12 dB.

Requirement: only with a 2.2 system; Stereo output mode required.

Subwoofer crossover

Sets the slope of the low-pass filter for the subwoofer.

Options: 12 dB/oct. / 24 dB/oct..

Requirement: only with a 2.1 or 2.2 system; Stereo output mode required.

Subwoofer low-pass frequency

Sets the highest frequency reproduced by the subwoofer.

Adjustment range: 40 Hz to 200 Hz, in predefined steps.

Requirement: only with a 2.1 or 2.2 system; Stereo output mode required.

Speaker selection

Standard

Neutral speaker selection for general speakers.

sonoro speakers

Optimised presets for sonoro speakers.

- ORCHESTRA SLIM
- ORCHESTRA SLIM (Gen. 2)
- ORCHESTRA
- ORCHESTRA (Gen. 2)
- GRAND ORCHESTRA
- ORCHESTRA Shaped Signature

Dynamic Bass EQ

Optimises bass reproduction according to the speaker and volume.

Options: On / Off.

EQ mode

Standard

Displays the basic audio settings.

Advanced

Enables additional settings for the parametric EQ.

Parametric EQ

Stereo EQ

Enables a shared EQ setting for the left and right channels. Stereo EQ is enabled by default.

Individual EQ

Enables separate EQ settings for the left and right channels.

EQ bands and parameters

- EQ 1 (Low Shelf)
- EQ 2 (bell)
- EQ 3 (bell)
- EQ 4 (bell)
- EQ 5 (bell)
- EQ 6 (bell)
- EQ 7 (High Shelf)

The following parameters apply to Stereo EQ and to the separate settings for the left and right channels.

Frequency

Selects the frequency of the selected EQ band. Low Shelf (EQ 1): 20 Hz to 1 kHz. Bell (EQ 2–6): 20 Hz to 20 kHz. High Shelf (EQ 7): 1 kHz to 20 kHz.

Adjustment range: 20 Hz to 20 kHz, in predefined steps.

Gain

Boosts or reduces the selected EQ band.

Adjustment range: -18 to +6 dB; Step size: 0.5 dB.

Q factor

Determines the filter width.

Adjustment range: 0,5 to 10, in predefined steps.

For boosts above 0 dB, the Q range is limited to 0.5–4. At 0 dB or with a cut, the range is 0.5–10.

The Q factor is fixed at 0.707 for EQ 1 and EQ 7.

Copy EQ

Copy EQ

Copies EQ settings between Stereo EQ, the left channel and the right channel.

- From Stereo to Left / Right
- From Left to Right
- From Left to Stereo

Sleep timer

The Sleep timer lets you specify how long the device should remain on before switching off automatically.

The desired time interval can be set in 5-minute increments. The maximum duration is 120 minutes.

An active Sleep timer is indicated by the symbol .

You can end the Sleep timer immediately by switching off the device.

Open the Sleep timer

Open the settings menu and select:

Settings → Sleep timer

Set the Sleep timer

- Open **Settings**.
- Select **Sleep timer**.
- Set the desired time interval.
- Confirm your selection.

ℹ The device switches off automatically when the set time has elapsed.

Alarm

The alarm function allows you to save one or more alarm times and configure them individually.

ℹ An active Internet connection is required to use the alarm function. The current time is synchronized automatically via the network.
An enabled alarm is indicated by the symbol ⏰ . In standby mode, the next alarm time is also shown on the display.

Open alarm

Open the settings menu and select:

Settings → Alarm

Functions and submenus

Alarm list	Displays all saved alarm times. • Select a saved alarm time • View or change settings • Delete alarm Changes are applied only after saving.
Add alarm	Creates a new alarm time. • **Enable** – Off, Daily, Once, Weekdays, Weekends, or a specific day of the week • **Time** – Set the alarm time to the minute • **Sound** – "Morning vibes" alarm sound or a source from Favorites • **Volume** – Set the alarm volume • **Save** – Save and apply the alarm time The new alarm time appears in the alarm list only after it has been saved.

Snooze function

Pressing the **OK**, **Play/Pause**, or **Mute** button temporarily silences an active alarm.

While the snooze function is active, the symbol ⏰ flashes and the remaining time until the alarm sounds again is displayed.

The snooze duration is 10 minutes by default and can be adjusted.

Available values: **5, 10, 15, 20, 30, 45, or 60 minutes**.

Adjust the setting using the rotary control on the device or the up/down buttons on the remote control.

ℹ Pressing the standby button immediately ends the snooze function.

Network settings

The network connection can be established via Wi-Fi or LAN. In this menu, you can configure the device's network connection and manage existing network settings.

ℹ An active network connection is required for streaming services, Internet radio, software updates, the alarm function, and control via the web client.

Open network settings

Open the settings menu and select:

Settings → Network settings

Functions and submenus

Configure wireless	• **Scan network** Manually select an available Wi-Fi network and then enter the network key. • **WPS Push button** Automatic connection using the router's WPS function. • **WPS Pin code** Displays a PIN code that can be entered in the router interface. • **Manual** Network connection with individual settings. DHCP can be enabled or disabled. When DHCP is enabled, the IP address, subnet mask, gateway and DNS are obtained automatically.
Configure wired	• **DHCP disable** IP address, subnet mask, gateway and DNS are entered manually. • **Automatic DHCP** All network information is assigned automatically by the router.

Network type	Select the preferred connection type. • **Automatic** • **Wireless** • **Wired** With the “Automatic” setting, the device preferentially uses an available LAN connection.
Reset network settings	Deletes the saved network connection and resets all network settings to factory defaults. • Remove saved Wi-Fi connections • Reset network parameters • Allow the connection to be set up again

Wi-Fi connection via WPS

If your router supports WPS (*Wi-Fi Protected Setup*), the connection can be established particularly quickly.

1. Select **WPS Push button** in the network menu.
2. Then press the WPS button on the router.
3. Wait until the connection has been established automatically.

ℹ If your router does not support WPS, set up the connection using **Scan network** or manual configuration.

Network info

The **Network info** menu displays the device's current connection and address information.

This information can be useful when setting up the network, troubleshooting connection problems, or accessing the web client.

Open Network info

Open the settings menu and select:

Settings → Network info

Displayed information

Status	Current connection status of the device.
Network type	Network connection in use: • Wired (LAN) • Wireless (Wi-Fi)
SSID	Name of the connected Wi-Fi network.
Encryption	Wi-Fi security standard in use.
Quality	Wi-Fi signal strength or connection quality.
IPv4 address	Current IPv4 address of the device. ℹ Can be used to access the web client in a browser.
Mask	Subnet mask of the network.
IPv6 address	Current IPv6 address of the device.
Auto-configured	Automatically generated IPv6 address.

Gateways	Gateway addresses in use: • IPv4 address • IPv6 address
DNS	DNS servers in use: • IPv4 address • IPv6 address

ℹ To access the web client, the computer and the device must be on the same local network.

ℹ The displayed network data can also be used to diagnose connection problems with Wi-Fi, LAN, or streaming services.

Language

The **Language** menu allows you to select the device's display language.

Change language

Open the settings menu and select:

Settings → Language

Select the desired language from the list.

Select language	Set the desired menu language.
Confirm restart	Confirm the change with “Yes” or “No”.

ℹ After changing the language, the device must be restarted for the new language to be applied completely.

ℹ Restarting does not affect the other device settings. They remain stored unchanged.

ℹ If your mobile device or PC is set to a different language than the sonoro device, the sonoro device automatically adopts the language of the mobile device or PC as soon as you operate it via the sonoro app or a web browser. This requires the corresponding language to be supported by the sonoro device.

Date & time

The **Date & time** menu allows you to adjust the device's basic time and regional settings.

Open Date & time

Open the settings menu and select:

Settings → Date & time

Available settings

Set time format	Select the desired time format. • 12-hour time • 24-hour time
Country and region	Select the regional settings for the date, time, and other country-specific formats.

ℹ When a network connection is available, the date and time are synchronized automatically via the Internet.

ℹ The date and time are not displayed in CI mode.

Device info

The **Device info** menu displays information about the device, the installed software, and the system components in use.

Open Device info

Open the settings menu and select:

Settings → Device info

Displayed information

Device name	Displays the current device name. The name can be edited and customized.
Device ID	Unique identification number (MAC address) of the device.
Serial no.	Serial number of the device.
sonoroSDK	Version information for the sonoro system software.
Spotify	Installed Spotify software version.
MCU	Version information for the microcontroller system.
DSP	Version information for the digital signal processor.
HDMI	Version information for the HDMI software components.

ℹ The displayed version numbers can be useful for support requests, troubleshooting, or software updates.

ℹ The device name is used on the network and in compatible apps and streaming services to identify the device.

Software update

The **Software update** menu lets you check whether a new software version is available for your device.

Open software update

Open the settings menu and select:

Settings → Software update

Available functions

Check for update	Checks whether a new software version is available for the device.

ℹ An active network connection is required to check online for new software versions.

Important!

Do not interrupt the software update

Do not switch off the device or disconnect it from the power supply while a software update is in progress. Interrupting the update process may cause malfunctions and render the device unusable.

Factory reset

The **Factory reset** menu allows you to reset the device to its original factory settings.

Opening Factory reset

Open the settings menu and select:

Settings → Factory reset

The device restarts automatically after the reset and is then restored to its factory state.

Important!

All settings will be deleted

After the reset, network connections, static IP addresses, control via a smart home system, sound adjustments, favorites and other personal settings must be configured again.

Google Cast

Google Cast allows you to stream music, podcasts and other audio content directly from compatible apps to the device.

To use Google Cast, the device and the transmitting mobile device or computer must be connected to the same network.

ℹ An active internet connection is required to set up Google Cast.

Functions and submenus

Enable Google Cast	Starts the Google Cast setup on the device.
Cast is enabled	Indicates that Google Cast has been successfully set up and is ready for use.
Send device usage and crash reports	Enables or disables the transmission of diagnostic and usage data to Google (Yes / No).
Set up voice control and multiroom in the Google Home App	Advanced functions can be set up and managed using the Google Home app.

AirPlay Password

This function allows you to enable an additional password prompt for AirPlay connections.

When the password prompt is enabled, a one-time password is displayed on the Apple device. This password must be confirmed before the connection can be established.

ℹ To use AirPlay, the device and the Apple device must be connected to the same network.

Managing the AirPlay Password

Open the menu:

Settings → AirPlay Password

Functions and submenus

AirPlay password	Enter your password.
Clear password	Removes the saved AirPlay password configuration and disables the password prompt.

ℹ The password prompt increases security on shared networks and prevents unwanted AirPlay connections.

Display & Power management

In this menu, you can adjust the device's display behavior, display functions, and energy-saving settings.

Open Display & Power management

Settings → Display & Power management

Functions and submenus

Auto standby	Automatically switches the device off when there is no playback or user interaction. • 5 minutes • 15 minutes (default setting) • 30 minutes • 60 minutes • 24 hours • Off ℹ If automatic standby mode is set to **Off**, the device remains ready for immediate use at all times. However, this significantly increases power consumption. Also note that the device continuously generates more heat.
Show device name in standby	Displays the current device name in standby mode.
Screensaver	Automatically switches off the display after a specified period without user interaction while playback continues. • Off (default setting) • 10 seconds • 1 minute • 5 minutes
Deep sleep	Enables or disables deep sleep mode. Deep sleep mode is disabled by default. When the device is in deep sleep mode, network functions, Smart Home control, Connect services, and Multiroom are disabled, and the device cannot be detected on the network. Set alarm times are not executed in this mode.
Display brightness	Adjusts the brightness of the display. • 0 = minimum brightness

	• 15 = maximum brightness The brightness can be adjusted in individual steps from **0 to 15**.
Menu timeout	Specifies how long menus remain visible after the last user interaction. • Turn off • 15 seconds (default setting) • 30 seconds
Mini player	Displays the current playback information in the lower status bar. Always enabled in CI mode.
Home menu style	Selects the display style of the icon-mode screen. • Line view (default setting) • Grid view • Text view

Cyber security

The **Cyber security** menu lets you manage approved and blocked devices and view the current privacy policy.

These functions help protect the device against unauthorized access via apps, web clients, and Smart Home systems.

Open Cyber security

Settings → Cyber security

Functions and submenus

Allowed clients	Displays all devices and systems that have been authorized to access the device. These may include smartphones, tablets, computers, web clients, or Smart Home systems.
Blacklisted clients	Displays devices or systems whose access request was denied. Only after an entry has been removed from this list can that device submit a new authentication request.
Privacy policy	Opens sonoro's current privacy policy. The privacy policy is updated regularly and can be viewed directly on the device.

ℹ When an unknown device connects for the first time, a security prompt appears on the display and must be confirmed within 150 seconds.

sonoro Multiroom®

With sonoro Multiroom®, you can play music, radio, TV audio and analogue and digital audio sources simultaneously on up to **32 sonoro music systems**. You can set up one group for several rooms or several independent groups with different sources.

The music systems transmit audio via **network cables (LAN)**. Groups are controlled using the **sonoro audio App** or a compatible smart home system on the same local network.

Supported music systems

- MAESTRO Quantum Signature
- MAESTRO Quantum
- sonoro AMPLIFIER
- sonoro STREAMER
- MEISTERSTÜCK 3
- MEISTERSTÜCK (Gen. 2)
- AVATON
- ATRON

Check the software

sonoro Multiroom® requires software version **2.0** or later on the music system. Music systems already supplied may require a software update over the internet to support sonoro Multiroom®. Before setup, check for available updates on the participating devices.

How a group works

The **master device** is the source device. It shares its current audio source with the group. The other participants are called **slave devices** or group devices and play the audio signal in sync.

The first music system you select when creating a group automatically becomes the master. Therefore, first select the device whose source you want to hear in the other rooms.

Example: The AMPLIFIER in the living room receives TV audio. As the master, it shares this audio with the other group members. In a second group, another source device can play radio at the same time.

One group per device

Each music system can belong to only one Multiroom group at a time. A master cannot simultaneously play the output of another master. If the master of an existing group is assigned to another group, its previous group is dissolved.

Setup and operation

1. **Prepare the network and app:** Connect the music systems and authorise your mobile device on the participating systems. See Requirements for the steps.

2. **Set up and use groups:** Operation explains how to create, change and dissolve a group and provides information on playback, volume and standby.

If a device does not appear or playback cuts out, start with the network checks.

Requirements

All participating music systems must be connected to the local network for sonoro Multiroom®. First prepare the cabling, check the network settings and then set up the sonoro audio App.

Connect music systems via LAN

1. Connect each participating music system to a network switch using a **Cat 6 or higher Ethernet cable**.
2. Connect the switch to your router.
3. Check that the LAN connection is established on the music systems.

Music systems
Each device via a network cable

Gigabit switch
Enable IGMP snooping

Router
Shared local network

Audio connection: All music systems connect to the router via the switch using LAN cables.

LAN is required

Music systems connected only via Wi-Fi cannot be added to a sonoro Multiroom® group. Your mobile device uses Wi-Fi for control; audio transmission between the music systems uses LAN.

Prepare the router and switch

The router and switch must support **multicast**. Use a **gigabit switch with 1 Gbit/s** and enable **IGMP snooping**.

Setting	What to check
Gigabit Ethernet	The switch supports a transmission speed of 1 Gbit/s.
Multicast	The router and switch support transmission to multiple recipients.
IGMP snooping	The switch supports this feature and it is enabled. It directs audio data specifically to the required participants.
Quality of Service (QoS)	Where available, we recommend prioritising audio data on the router or switch.

Names and settings vary by manufacturer and model. Refer to your router or switch manual for setup instructions.

Professional network setup

If necessary, have a qualified specialist carry out the installation. Larger installations may benefit from separate network segments or dedicated switches for audio applications. Large data transfers on the same network can affect Multiroom playback.

Connect the mobile device and app

1. Connect your smartphone or tablet to the **Wi-Fi of the same router** that connects the music systems.
2. Open the **sonoro audio App**.
3. Before first use, authorise your mobile device on **every participating music system**. Follow the authorisation prompts in the app or on the music system.

Smartphone or tablet
sonoro audio App

Same router
Connection to the music systems

Control: Your mobile device uses Wi-Fi on the same local network.

Authorise each mobile device separately

Authorisation is required for every smartphone or tablet that will control the music systems. Only authorised systems can be controlled and grouped using that mobile device. After a factory reset of a music system, authorisation must be repeated.

A compatible smart home system must also be on the same local network as the music systems. When first activating the devices in your smart home system, you must authorise them once. After a factory reset of a music system, authorisation must be repeated.

Check IP addresses

The music systems obtain their IP addresses automatically via **DHCP**. You can check the addresses on the music system, in the sonoro audio App or in the router's user interface.

If using fixed IP addresses, ensure the correct subnet is used and **each IP address is assigned only once**. Duplicate addresses can make devices unreachable or interrupt playback.

Connection problems

A music system does not appear in the group selection

- Check that the music system is switched on and connected via LAN.
- Check that the mobile device being used is authorised on this music system.
- Make sure the mobile device and music systems use the same local network.

- Check the music systems' IP addresses and available software updates.

Playback cuts out or is uneven

- Check the network cables. Use a Cat 6 or higher Ethernet cable.
- Check that the switch supports Gigabit Ethernet and IGMP snooping is enabled.
- Temporarily reduce large data transfers on the same network.
- Check the QoS settings if your router or switch supports this feature.

Network terms

Term	Meaning
DHCP	A router service that automatically assigns an IP address to devices.
IP address	A device's unique address on the network.
LAN	The local network. With sonoro Multiroom®, the music systems connect via network cables.
Multicast	Data transmission to multiple recipients on the network.
Switch	A network device that connects several devices using network cables.
IGMP snooping	A switch function that directs multicast data specifically to the required participants.
QoS	Quality of Service: A network function that gives priority to data such as audio.
Subnet	A section of a network. Devices on the same subnet can generally communicate directly.

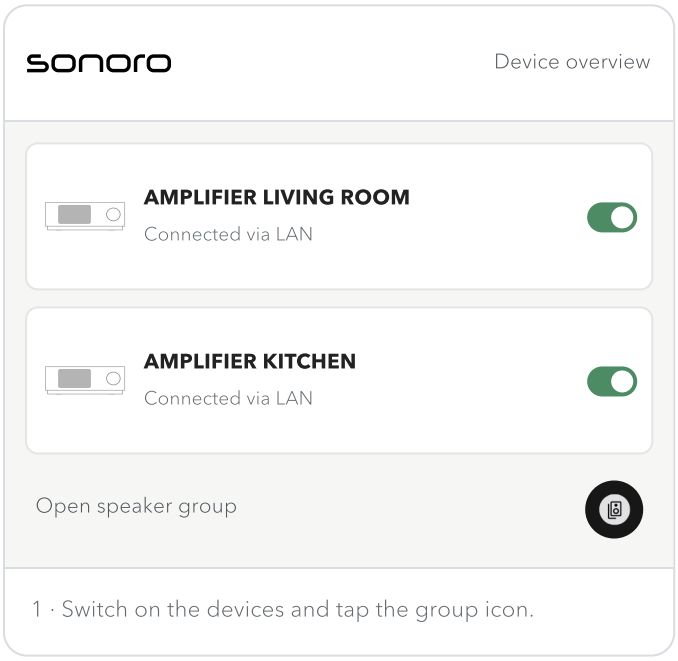
Once the connections are ready, continue with Create a group.

Operating Multiroom

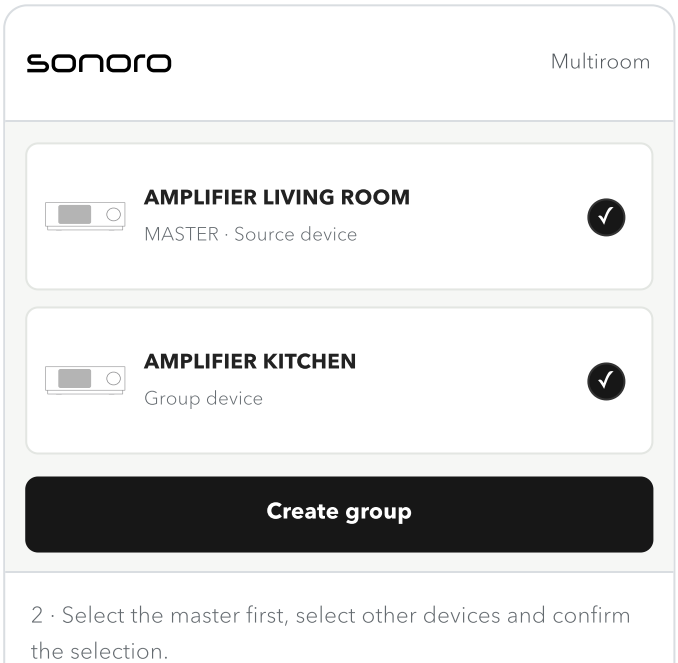
Use the sonoro audio App to create and manage Multiroom groups. First prepare the LAN connections and mobile device authorisation.

Create a group

1. **Switch on the music systems.** Turn on the desired source device and at least one other music system. The app's device overview is sorted alphabetically.
2. **Open group selection.** In the device overview, tap the **Speaker group** icon. The available music systems appear.
3. **Select the master first.** Tap the circle next to the device whose source the group should play. This first selected device automatically becomes the master.
4. **Select other participants.** Select the music systems that should play the same audio source. Selected devices are marked with a tick.
5. **Confirm the group.** Tap **Create group** to confirm the selection. All music systems in the group then play the master's current audio source together.



1 · Switch on the devices and tap the group icon.



2 · Select the master first, select other devices and confirm the selection.

Schematic app illustrations with example device names.

Available music systems

Switch on the desired music systems before selection. They must be connected via LAN and authorised for the mobile device being used. Music systems connected only via Wi-Fi appear in the Multiroom selection with the message **"Ethernet required"**.

A **musical note icon** identifies a music system already playing music or another source. The order of selection still determines which device is the master.

Create another group

Several groups, each with its own master, can exist simultaneously for different content.

1. In the device overview, tap the **speaker group icon in the black circle**.
2. First select the source device for the new group, then the other participants.
3. Confirm with **Create group**.

Music systems already belonging to a group may also appear in the selection. Each music system can belong to only one group at a time.

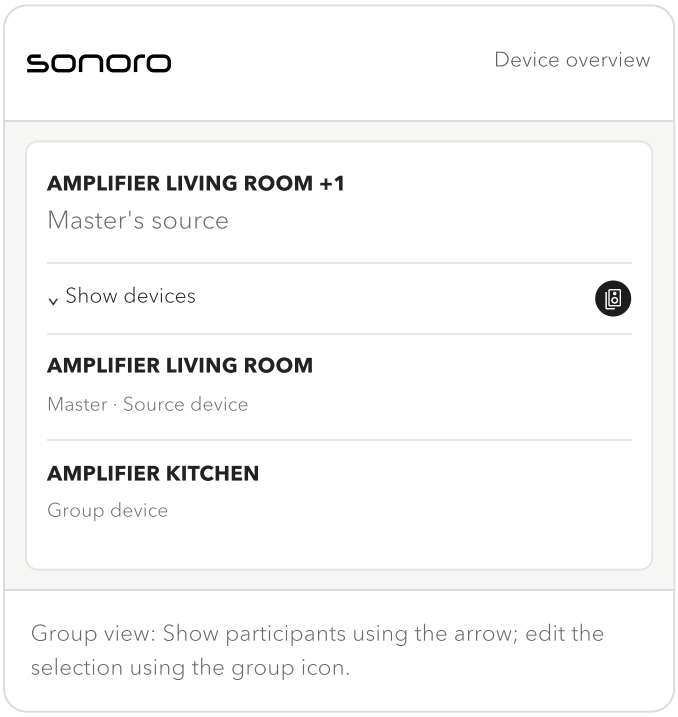
Move an existing master to another group

If you add the master of an existing group to another group, its previous group is dissolved completely. The remaining music systems from the dissolved group can be added individually to the new group as needed.

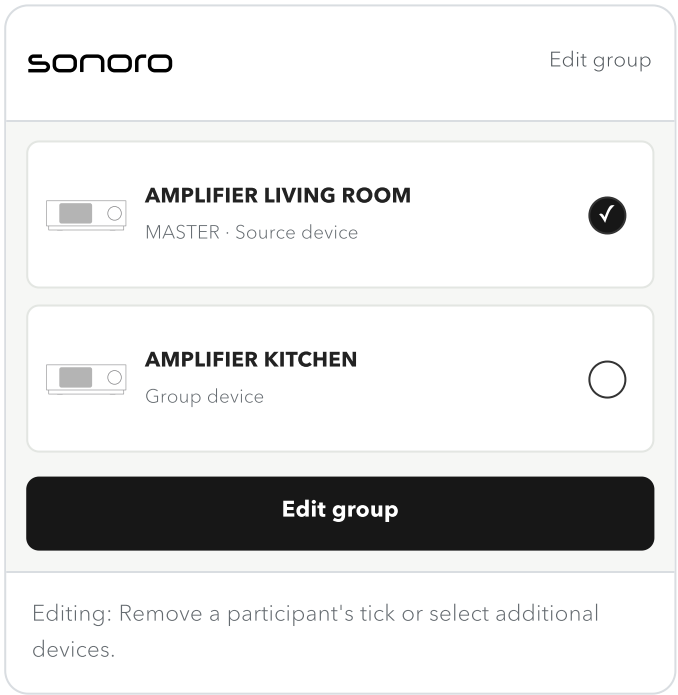
Change or dissolve a group

Show participants

In the device overview, tap the **arrow to the left of the group** to show or hide participants. When expanded, you can adjust individual systems' volumes and open individual devices, for example to change sound settings.



Group view: Show participants using the arrow; edit the selection using the group icon.



Editing: Remove a participant's tick or select additional devices.

Schematic group view and device selection editing.

Add or remove devices

1. Switch on the music system you want to add to the existing group.
2. Tap the **speaker icon of the existing group**.
3. Tick the devices to add. Untick the devices that should no longer participate.
4. Tap **Edit group** to apply the changes.

The remaining participants continue playing the master's source.

Dissolve a group

1. Tap the **speaker icon of the existing group**.
2. Untick all music systems except the master.
3. Confirm the change with **Edit group**. The previous group is dissolved.

Switching off does not dissolve a group

A group remains until you change its membership or dissolve it. Switching the master back on or changing its source affects playback on the other music systems in the group.

Playback and volume

Play, pause and skip tracks apply to the entire group. These commands can be given via the sonoro audio App or directly on a music system. The audio source comes from the master.

Adjust the volume of individual music systems

Each music system retains its own volume setting. Expand the group in the device overview and adjust the volume of the desired music system individually.

Adjust group volume

Use the shared volume control to adjust the volume of all music systems in a group simultaneously. The range is **0% to 100%**.

Adjustment is relative to individual device settings and takes different room volumes into account. Near maximum or minimum volume, participants' levels may gradually converge: when increasing volume, quieter devices are raised more; when decreasing it, louder devices are lowered more.

Play AirPlay audio

1. Using AirPlay, select the sonoro music system that should provide the source for your group.
2. Select this device first as the master when creating the group.
3. Add the desired group devices connected via LAN and confirm the group.

The master's AirPlay signal is shared with participants via sonoro Multiroom®. Changing the master's volume through AirPlay affects all devices in the group.

The LAN requirements for sonoro Multiroom® still apply when using AirPlay as a source. A Wi-Fi-only connection does not replace the required LAN connection of Multiroom participants.

Switch a group on and off

The sonoro audio App and compatible smart home systems let you switch grouped devices on and off together.

Situation	Group behaviour
A group device is switched off manually.	The other participants stay active. When switched back on, the device plays the master's current content, provided it still belongs to the group and the master is playing a source.
The master is switched off.	Playback stops on every device in the group.

Situation	Group behaviour
The master is switched back on.	Playback of the selected content resumes, provided the other group devices are switched on.
No content is playing.	After 15 minutes without playback, group devices automatically enter standby by default.

You can adjust the automatic standby delay for each music system under **Settings → Display & Power management**. The menu name may vary by device.

Information on device displays

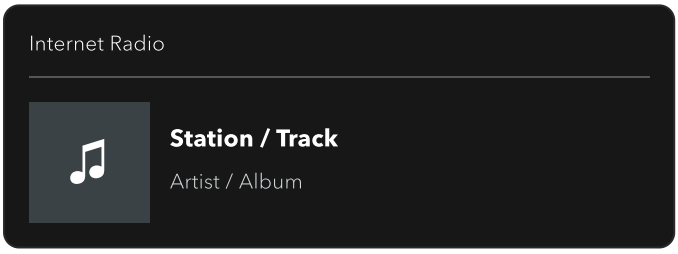
The display depends on the master's audio source.

Sources with metadata: For DAB, Internet Radio, streaming services, USB and NAS files, and AirPlay, group devices generally show the same cover and available playback information as the master. This includes, for example, track, artist, album, playback status and timeline.

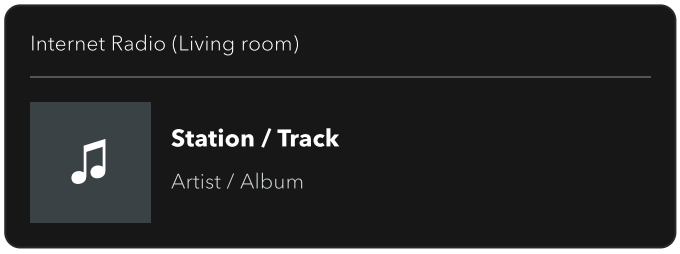
Analogue and digital inputs and CD: Group devices show an **Audio over IP cover**. This indicates that another music system provides the source.

The top of the display shows the current audio source. On group devices, the master's name also appears in brackets.

Master

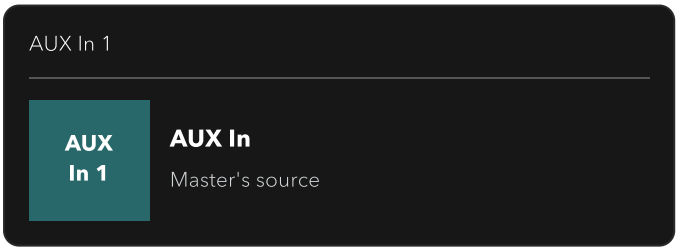


Group device

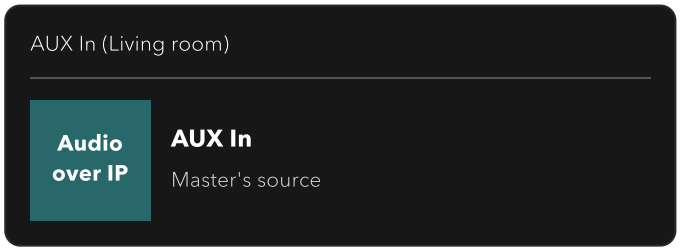


Example with metadata: Group devices show the master's information.

Master



Group device



Example of a connected source: An Audio over IP cover appears on the group device.

Schematic display illustrations. The information available and its presentation depend on the respective source.

If the group does not work as expected

- **A device is missing from selection:** Check that the device is switched on, connected via LAN and authorised for the mobile device being used. See the checklist under Connection problems.
- **The group is silent after switching off the master:** Switch the master back on and check that its source is playing and the other participants are switched on.
- **A previous group has disappeared:** Check whether its master was assigned to another group. This dissolves the original group.

- **Control is unavailable after a factory reset:** Reauthorise the mobile device on the reset music system.

Smart Home

This device is designed for integration into various building automation systems.

➜ Go to the sonoro Smart Home website
The device is compatible with the following Smart Home systems:

BUSCH-JAEGER

→ Integration information

GIRA HomeServer

→ Integration information

GIRA X1

→ Integration information

JUNG

→ Integration information

ℹ The availability of individual functions may vary depending on the Smart Home system used.

Installation and configuration

Work on electrical installations may only be carried out by qualified electricians.

Configuration and programming require experience with the respective Smart Home system.

To ensure proper integration into a Smart Home system, follow the relevant technical documentation, operating instructions, and official online resources provided by the respective manufacturer.

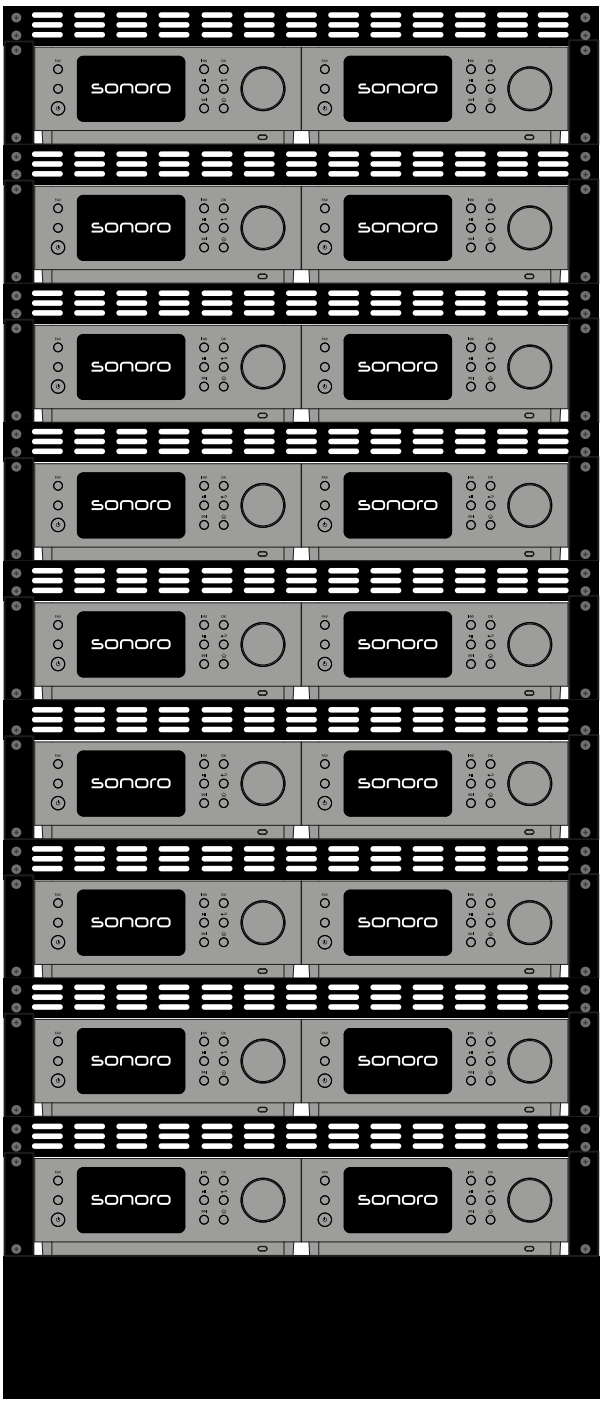
Important notice

The manufacturer accepts no liability for damage or malfunctions caused by improper installation, insufficient specialist knowledge, or the use of incompatible system configurations.

Rack mounting

The sonoro AMPLIFIER is designed for permanent installation in a **19" rack**. Follow the information below to ensure safe operation and sufficient cooling of the device.

General installation



- The sonoro AMPLIFIER is intended exclusively for **permanent installation** in a 19" rack.
- Installation in portable 19" racks or flight cases is not permitted.
- Each 19" rack shelf can accommodate **two devices side by side**.
- Use only rack shelves made of **steel or aluminium** that are designed for the combined weight of the devices.
- Secure the device mechanically to prevent damage caused by vibration or shocks.
- For sliding rack shelves, all cables must have strain relief and be routed so that pulling the shelf out neither strains nor damages them.

Cooling and ventilation

Sufficient air circulation must be ensured at all times for safe operation.

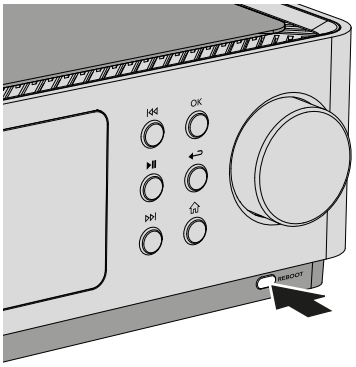
- The ventilation openings must never be covered.
- Maintain a minimum clearance of **10 cm** behind the device, particularly around the fan.
- Where possible, use rack shelves with an open rear.
- There must be at least **1 rack unit (1 U / 44.45 mm)** of free space above the device.
- The rack should be placed in a well-ventilated room.
- If several heat-producing devices are installed, additional active rack ventilation may be necessary.
- The ambient temperature at the installation location must not exceed **+40 °C**.
- Do not mount the device directly above heat sources or devices that generate considerable heat.

ℹ For rack installations, use a LAN connection wherever possible. Operating multiple devices simultaneously over Wi-Fi can cause connection problems, interference or reduced system performance.

CI mode

In CI mode, the device name is permanently shown on the display.

In standby mode, press and hold the **OK button** for about **5 seconds** to enable CI mode.



ℹ CI mode is particularly suitable for installations where the device name should remain visible on the display.

Troubleshooting

The following information helps resolve common problems and malfunctions with the sonoro AMPLIFIER.

ℹ Before troubleshooting, always check the power supply, network connection and connected cables.

Device will not switch on

No power supply

- Make sure the power cable is connected correctly.
- Check the socket being used.

Device is in standby mode

- Press the power button on the device or remote control.

Device does not respond

Temporary system error

- Disconnect the device from the power supply for a few seconds.
- Then reconnect the device.

Software does not respond

- If the device does not respond as expected, first try restarting it using the Reboot button on the front of the device.
- If the device still does not respond, perform a factory reset.

No network connection

Router too far away or connection affected by interference

- Move the device closer to the router.
- Change the orientation of the Wi-Fi antennas.
- Avoid metal surfaces or other shielding.

Router switched off or unreachable

- Check that the router is working.
- Restart the router.

Network set up incorrectly

- Check the network settings and whether there is an IP address conflict.
- Reconnect the device to the network.

→ See Network settings

No sound

Volume too low or muted

- Increase the volume.
- Unmute the sound.

Wrong source selected

- Select the desired playback source.

Speakers connected incorrectly

- Check the speaker cables.
- Check the polarity of the connections.

No audio signal at the input

- Check the connected source.
- Check the cable connections.

→ See Connecting speakers

No sound via HDMI

TV does not support ARC/eARC on the port being used

- Use the HDMI ARC or eARC socket on the TV.

Wrong audio format

- Select “PCM” as the audio output format on the TV.

Faulty HDMI cable

- Use a high-quality HDMI cable.

→ See HDMI

No sound via Optical

Wrong audio format

- Select “PCM” as the audio output format on the source device.

Optical cable connected incorrectly

- Check the plug connections.

→ See Optical

Bluetooth connection does not work

Bluetooth is already connected to another device

- Disconnect the existing connection.

Bluetooth device is out of range

- Reduce the distance between the devices.

Pairing failed

- Remove the device from the Bluetooth list.
- Restart the pairing process.

→ See Bluetooth

Internet radio does not work

Station temporarily unavailable

- Try again later.

Network connection interrupted

- Check the internet connection.

Station removed by the provider

- Try other stations.

→ See Internet Radio

Streaming service does not work

User account not signed in

- Sign in to the service again.

Internet connection interrupted

- Check the network connection.

Service temporarily unavailable

- Try again later.

→ See Streaming services

Remote control does not respond

Battery empty

- Replace the battery.

Distance to the device too great

- Reduce the distance.

Infrared sensor covered

- Remove obstacles in front of the device.

→ See Remote control

Device switches off automatically

Sleep timer is enabled

- Check the sleep timer settings.

Automatic standby mode active

- Check the power settings.

→ See Sleep timer

→ See Display & Power management

Poor sound quality

Interference from nearby devices

- Increase the distance from other electronic devices.

Poor cable connection

- Use high-quality, undamaged cables.

Unsuitable sound profile setting

- Check the Sound settings.

→ See Sound settings

Device becomes unusually warm

Ventilation openings are covered

- Make sure the ventilation openings remain clear.

Installation in furniture or a rack without sufficient ventilation

- Ensure sufficient air circulation.

High ambient temperature

- Avoid direct sunlight.

Rack mounting problems

Device not correctly seated in the rack

- Check the rack mounting.

Insufficient ventilation in the rack

- Maintain sufficient clearance from other devices.
- Use active rack ventilation if necessary.

Wall mounting problems

Device not securely attached to the bracket

- Check the wall bracket and all mounting points.

Vibrations or resonances

- Check that the device is securely mounted on the wall.

Smart Home

Unusual device activity with smart home
If unusual activity occurs on the device in connection with a smart home connection, such as the volume changing on its own, check the corresponding configuration of your smart home system.

Using incorrect communication objects can cause serious malfunctions. Disconnect the smart home system from the sonoro device and check whether the device then operates correctly.

For further troubleshooting, contact sonoro Support, your specialist dealer or the relevant system integrator.

⚠ Before performing a factory reset on the device, contact sonoro Support or your specialist dealer. Further diagnostic and troubleshooting steps can be considered together to avoid data loss or having to set up the device again. If the problem persists after assistance from Support and no other solution is possible, a factory reset can be performed as a last resort. Then set up the device again.

→ See Factory reset

Cleaning and care

Regular cleaning and proper care keep the device's surface attractive and preserve the functionality of the sonoro AMPLIFIER.

Caution!

Damage due to improper cleaning

Sharp objects, abrasive cleaners or unsuitable cleaning materials can damage the device's surface. Improper cleaning can impair its functionality.

- Do not use abrasive, solvent-based or aggressive cleaning agents.
- Do not use polishes, scouring pads or steel wool.
- Do not use hot air or compressed air to dry the device.
- Do not use compressed air or compressed-air sprays to clean the fan or ventilation openings.
- Protect the edges and corners of the device from excessive force.
- Never spray cleaning agents directly onto the device.

Light soiling

Fingerprints, dust and light soiling can be removed easily.

- Clean the outside of the device only with a soft, dry cloth.
- Preferably use a clean microfibre cloth.

Heavier soiling

A slightly damp cloth can be used for heavier soiling.

- Clean the outside of the device only with a slightly damp cloth.
- Use only clean water.
- Make sure that no moisture enters any openings or connections.
- Then dry the device with a soft, dry cloth.

Cleaning the ventilation openings and fan

Dust deposits on the ventilation openings or fan can impair heat dissipation and increase the device temperature.

- Carefully remove dust with a vacuum cleaner and a suitable brush or upholstery nozzle.
- Take care not to damage components or fan blades.
- Do not cover or damage the ventilation openings.
- Do not use compressed air or compressed-air sprays to clean the fan or ventilation openings.

ℹ A vacuum cleaner is recommended for cleaning the fan. Compressed air can push dust inside the device, damage fan bearings or damage the fan by causing it to spin too fast.

ℹ Disconnect the device from the power supply before cleaning and allow it to cool completely.

ℹ Use only cleaning methods that do not damage the device's surface or markings.

Disposal

Disposal of packaging

The packaging protects the product from damage during transport. The packaging materials were selected with environmental considerations in mind and consist of recyclable materials.

Environmental damage caused by improper disposal of packaging

- Do not dispose of the packaging with normal household waste.
- Dispose of the packaging properly and in an environmentally responsible manner (recycling).
- Dispose of the packaging in an environmentally responsible manner, separated by material.

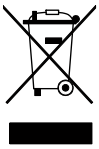
After use, the packaging materials can be returned to the recycling cycle.

Disposal of the device

Properly returning the device for recycling helps reuse materials and conserve resources.

Environmental damage caused by improper disposal of the device

- At the end of its service life, do not dispose of the device with normal household waste.
- Contact your local authority for information on environmentally responsible and proper disposal or recycling options.
- Dispose of the device in accordance with legal regulations through a specialist disposal company, your municipal collection point, or by returning it to a retailer required to take it back.

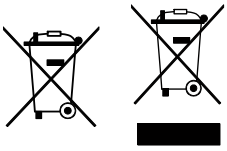


Electrical and electronic equipment must not be disposed of with household waste.

Batteries and rechargeable batteries

Batteries and rechargeable batteries contain substances that can harm the environment and health if disposed of improperly.

- Remove batteries or rechargeable batteries from the device where possible.
- Dispose of batteries and rechargeable batteries at suitable collection points or return them to the appropriate retailer.
- Batteries and rechargeable batteries must not be disposed of with household waste.



Batteries and rechargeable batteries must be collected separately and properly recycled.

ℹ By properly disposing of packaging, batteries, and old devices, you make an important contribution to protecting the environment and natural resources.

Certification marks and certificates

The following trademarks, logos and certifications are used in connection with supported services, technologies and functions of the sonoro AMPLIFIER.

Bluetooth®	The Bluetooth® word mark and logos are registered trademarks of Bluetooth SIG, Inc. Any use of these marks by sonoro audio GmbH is under licence. Other trademarks and trade names are the property of their respective owners.
Spotify®	The Spotify software is subject to third-party licences, which can be found here: www.spotify.com/connect/third-party-licenses/
amazon music	Amazon Music Unlimited and all related trademarks are trademarks of Amazon.com, Inc. or its affiliates.
TIDAL	TIDAL and the TIDAL logo are registered trademarks of Aspiro AB in the European Union and other countries.
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works with Google Cast	Google Cast is a trademark of Google LLC.

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The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade Dress and the HDMI logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

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Other company names, product names and logos mentioned in this document are trademarks or registered trademarks of their respective owners.

Legal information

Streaming services, software updates, smart home control and cloud services

Purchasing this device does not include any guarantee of the permanent availability of streaming services such as Spotify Connect, TIDAL, TIDAL Connect, Deezer, Qobuz, Qobuz Connect, Amazon Music, Apple AirPlay, Google Cast, internet radio stations or other cloud-based services.

Third-party providers may discontinue, change or replace these services in whole or in part at any time, without this giving rise to any claims against sonoro audio GmbH.

Legal requirements, particularly in the areas of data protection and cybersecurity, may make it necessary at any time to temporarily or permanently restrict or disable certain functions or applications of this device. This also does not give rise to any claims against sonoro audio GmbH.

Data security

sonoro audio GmbH uses appropriate technical measures to protect your data against loss, misuse or unauthorised access.

Regular updates to both the device and the sonoro audio App ensure legally compliant use.

sonoro audio GmbH accepts no liability for damage, malfunctions or restrictions of use resulting from required software or system updates not being performed, or not being performed in time. The user is solely responsible for performing these updates.

To ensure that the privacy policy always complies with current legal requirements, sonoro audio GmbH reserves the right to amend it at any time. This also applies when adjustments are necessary due to new or revised services.

The current privacy policy can be found at:

https://sonoro.com/datenschutzerklaerung-app/

Smart home functionality

Purchasing this device does not confer any entitlement to the permanent or unrestricted availability of smart home control functions.

Third-party providers may discontinue, change or replace the relevant functions with new functions and systems, in whole or in part, at any time. sonoro audio GmbH accepts no liability for the availability, functionality or compatibility of such third-party services.

Technical or functional adjustments may cause individual functions to become temporarily or permanently unavailable. These cases also do not give rise to any claims against sonoro audio GmbH.

Legal requirements may make it necessary to temporarily or permanently restrict or disable certain functions or applications of this device. sonoro audio GmbH accepts no liability for resulting restrictions or loss of use.

A software update to the device may also require an update to a supported smart home system. The user bears all resulting costs, including any costs for third-party software or services.

sonoro audio GmbH provides no warranty, reimbursement or guarantee for software changes that restrict use with a smart home system or make a corresponding update necessary.

A factory reset deletes all settings, including network configurations, the device name and saved favourites. These must then be set up again in full.

It may also be necessary to reintegrate the sonoro music system into the respective smart home system. sonoro audio GmbH also accepts no liability or costs for this.

Declaration of conformity

Manufacturer:

sonoro audio GmbH

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Germany

Tel. +49 2131 8834-141

Fax +49 2131 7517-599

support@sonoro.com

CE

sonoro audio GmbH hereby declares that the **sonoro AMPLIFIER (SO-1500)** by virtue of its design, construction and type, complies with the essential requirements and relevant provisions of the following directives and regulations:

- Radio Equipment Directive (RED) 2014/53/EU
- Ecodesign Regulation (EU) 2023/826
- Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) 2011/65/EU, including amending Directive (EU) 2015/863

The full text of the EU declaration of conformity is available at the following internet address:

https://sonoro.com/support

If the device is modified without approval from sonoro audio GmbH, this declaration of conformity automatically becomes invalid.