

Safety Precautions

Please read this user manual carefully before using the product.

- Do not disassemble or modify the product.
- Do not subject the product to strong impacts or excessive vibration.
- Do not use damaged cables or cables with exposed wiring.
- This product is intended for indoor use only. Do not use it outdoors.
- The appearance, components, and specifications of this product are subject to change without prior notice for performance improvements.

Warranty & Service Information

■ **Limited Warranty**

This product is covered by a one-year limited warranty from the date of purchase under the following conditions:

- Defects in materials or workmanship under normal operating conditions.

The warranty does not cover failures or damage caused by force majeure, including natural disasters.

■ **Paid Repair Service**

Repair service will be provided at the customer's expense in the following cases:

- The warranty period has expired.
- Damage or malfunction caused by customer misuse or negligence.
- Damage caused by external impact or accidents.
- Damage resulting from natural disasters such as earthquakes, floods, or

lightning.

- Shipping costs associated with paid repair service are the responsibility of the customer.

■ **Examples of Customer Misuse**

The following situations are considered customer misuse:

- Disassembling or modifying the product without authorization.
- Failure to follow the operating instructions provided in this user manual, resulting in product malfunction or damage.

■ **Before Requesting Service**

Before requesting repair service, please carefully review this user manual and the Q&A section on the product page of our website.

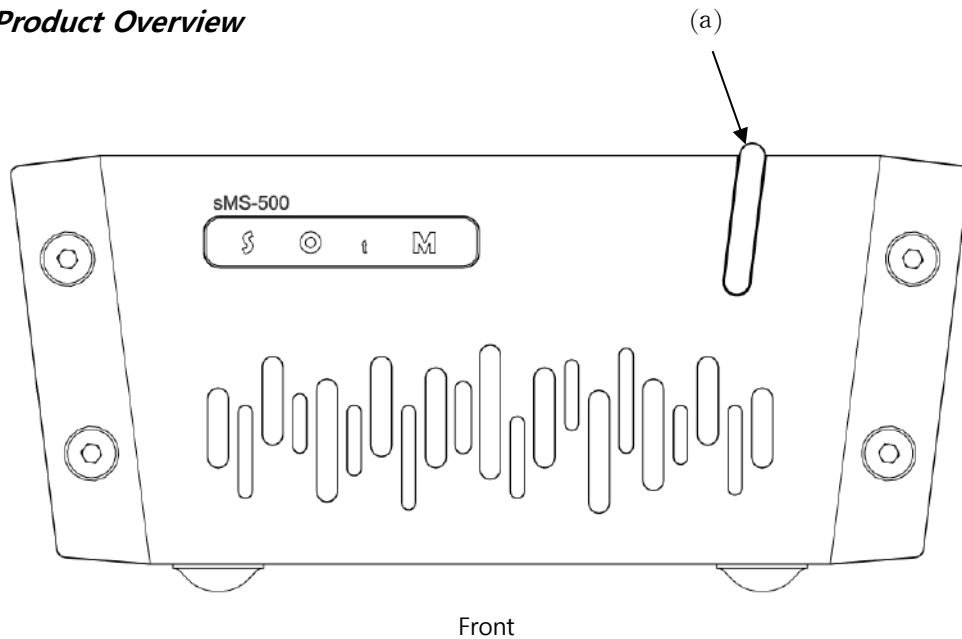
Package Contents

- sMS-500 Main Unit
- sMS-500 User Manual
- DC Power Adapter

Specifications

- **OS**
Linux (User-proven, high-end audio-grade Eunhasu OS)
- **Software Features**
Roon Ready
UPnP audio renderer, Open Home support
Music Player Daemon (MPD)
LMS & Squeezelite
Shairport-sync
LibreSpot
MinimServer
BubbleUPnP Server
Diretta Host & Target
Qobuz Connect
HQPlayer Embedded
HQPlayer Network Audio Adapter (NAA)
Automatic CD ripping (External USB CD drive required)
- **Processor Board**
64-bit quad core ARM Cortex A53 CPU
High-performance multi-core ARM Mali-T720 GPU
Integrated hardware floating-point coprocessor
3GB LPDDR3 memory
Integrated 3D GPU
Integrated video decoder
Integrated image decoder
Integrated graphic engine
Integrated crypto engine
1 x High-end audio-grade USB 2.0 Type-A port (1.0A max current)
1 x USB 3.1 Gen 1 Type-A port (2.0A max current)
1 x USB 2.0 Type-A port (1.0A max current)
1 x HDMI 2.0a port (4K support, HDMI audio support)
1 x Gigabit Ethernet port
1 x microSD card slot for OS installation
- Not all processor board features are supported by Eunhasu OS.
- **Power Requirements**
Input voltage: +7.0 to +15 VDC (Optional +5 V input)
Maximum power consumption: 30 W
5 A-rated 5.5mm OD, 2.1mm ID DC jack
- **Operating Environment**
Operating Temperature: 0°C to +30°C
Storage Temperature: 0°C to +40°C
Operating/Storage Humidity: 10% ~ 90%
- **Dimensions**
106 mm x 49.5 mm x 185.5 mm
- **Weight**
1.5 kg >

Product Overview

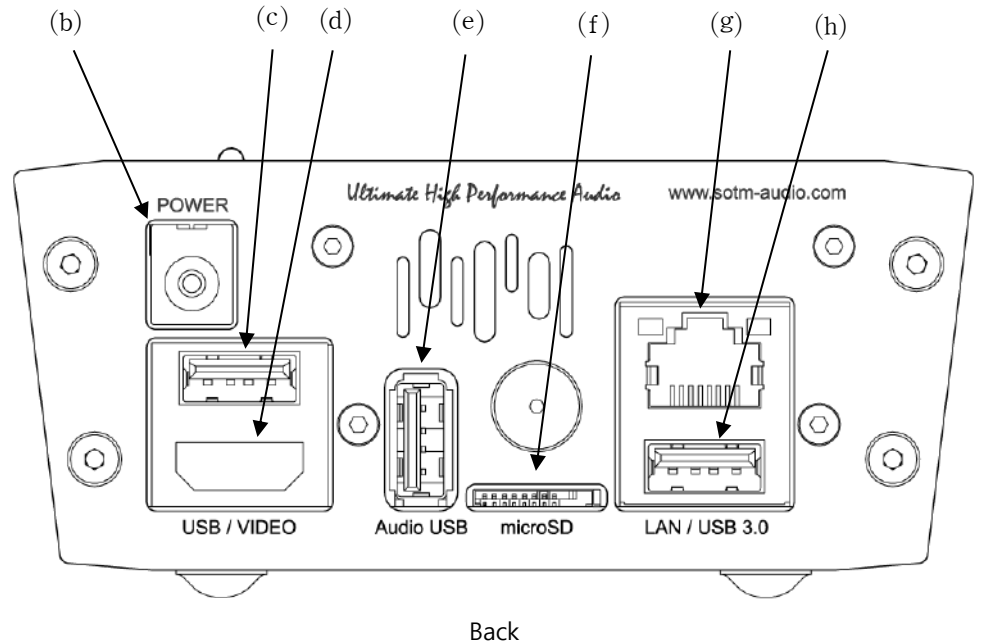


- (a) Power Switch, Power LED, and Status LED: The Power Switch is used to turn the product on and off. The Power LED indicates the power status, while the Status LED indicates the operating status of the product.

When a power supply is connected to the DC Power Input Jack, the Power LED lights dimly, indicating that the system is booting. After approximately several tens of seconds, the boot process is complete, the Power LED becomes bright, and the Status LED begins blinking according to the operating status of the product.

To safely shut down the product, press and hold the Power Switch for at least 0.5 seconds while the product is operating. The system will shut down safely in about 30 seconds.

To power the product on again, press and hold the Power Switch for at least 0.5 seconds. The Power LED will light dimly, and the system will begin booting again.



- (b) DC Power Input Jack: Connector for the external DC power adapter.
- (c) USB 2.0 Port: Connects USB devices that support the USB 2.0 standard.
- (d) HDMI Port: Connects a display device with an HDMI input.

If HDMI audio output is not required, this connection is unnecessary.

- (e) Audio-Grade USB 2.0 Port: Dedicated USB port for connecting USB audio devices.
- (f) microSD Card Slot: Contains the microSD card on which the operating system (Eunhasu OS) is installed.
- (g) Ethernet Port: Connects to a network router or Ethernet switch using an Ethernet cable.
- (h) USB 3.0 Port: Connects USB storage devices such as USB SSDs.

Installation

Before Installation

Please read the following precautions before installing the product.

- Read this user manual carefully before installing the product.
- Turn off all audio equipment and disconnect their AC power cords before installation.
- Verify all input and output connectors, and make sure all cables are connected correctly.

Installing the Product

- Turn off all audio equipment.
- Place the sMS-500 on a flat and stable surface, such as an audio rack.
- Ensure that there is at least 10 cm (4 inches) of clearance on all sides (top, bottom, left, right, front, and rear) of the product to allow for adequate ventilation. If necessary, reposition the product to provide sufficient airflow.
- Set the AC power switch of the external DC power supply to the OFF position.
- Connect your USB audio device to the Audio-Grade USB 2.0 Port using a USB cable.
- Connect the Ethernet Port to your network router or Ethernet switch using an Ethernet cable.
- Verify once again that all cables connected to the sMS-500 are securely and correctly connected.
- Connect the external DC power supply to an AC outlet according to the instructions provided with the power supply.

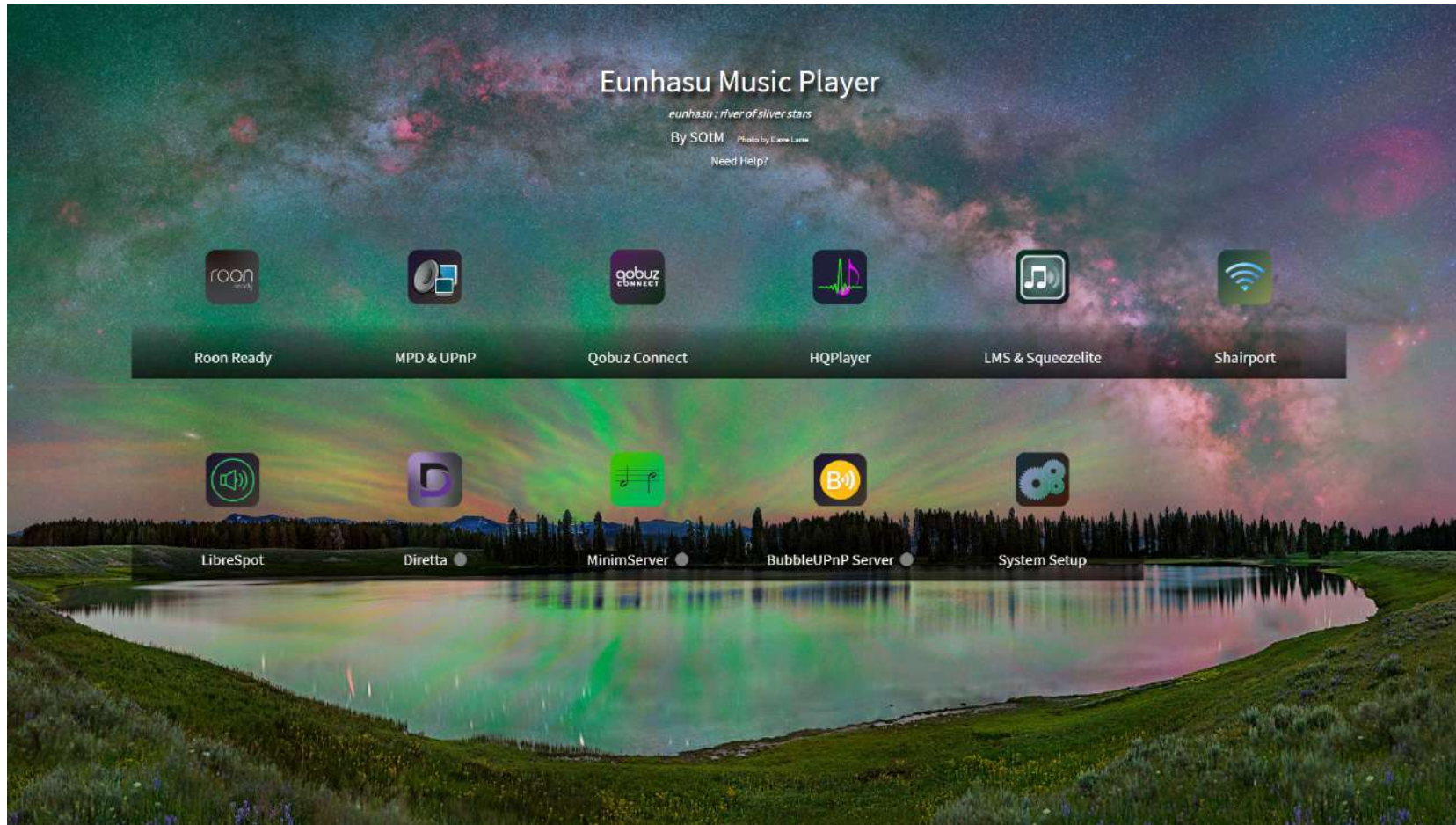
Powering On the Product

- Turn on all other audio equipment.
- Turn on the external DC power supply. DC power will be supplied to the sMS-500, the Power LED will illuminate dimly, and the system will begin booting.
- After approximately 30-40 seconds, the boot process will be complete. The Power LED will become bright, and the Status LED will begin blinking.

The sMS-500 is now ready for normal operation.

Accessing the Eunhasu Web GUI

- Using a Smartphone or Tablet : Connect your smartphone or tablet to the same Wi-Fi network as the sMS-500. Install and launch the Eunhasu Browser app. A list of Eunhasu OS devices connected to the same network will be displayed. Select the device you want to connect to. The Eunhasu Web GUI will open automatically.
- Using a PC : Open a web browser and go to <http://www.sotm-audio.com/my>. A list of devices running Eunhasu OS will be displayed. Click 'Connect to Eunhasu' next to the desired device. The Eunhasu Web GUI will open as shown below.



System Configuration

- Click or hover over the System Setup menu to display the available icons. Select the System Config icon to open the System Configuration page.

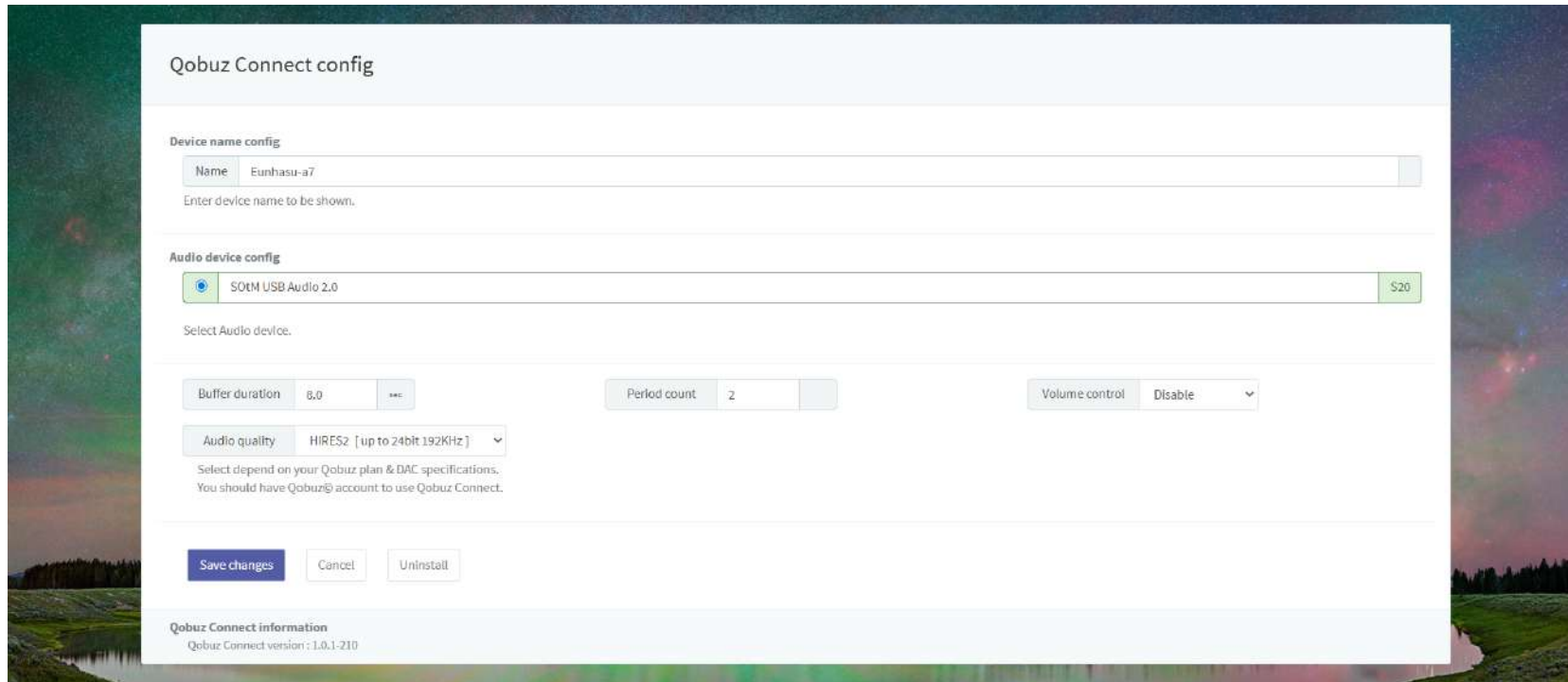
The screenshot displays the 'System config' web interface. At the top, there are tabs for 'General', 'Background', and 'Wifi'. Below the tabs, a message states: 'To change Hostname and Workgroup name, replace the input box content to what you want to change and click 'Save & Reboot system' button.' There are two input fields: 'Host name' with the value 'eunhasu' and 'Workgroup' with the value 'WORKGROUP'. Below these is a warning: 'Warning! Do not forget your static IP. If you forgot your static IP, follow the instruction to reset to DHCP. 1. Power on the device. 2. Unplug the wired LAN cable from the device. 3. Wait around 15 minutes. 4. Plug the wired LAN cable again. 5. Reboot the device.' The main configuration area is for 'ETHERNET 0' with a 'DHCP' toggle. It shows fields for 'IP Address' (192.168.0.217), 'Netmask' (255.255.255.0), 'Gateway' (192.168.0.1), and 'DNS Server' (192.168.0.1). Below this are settings for 'IPv6 protocol' (Enable), 'Link speed' (1000BASE-T), 'Auto negotiation' (On), 'CPU frequency' (Performance), 'System tune' (Latency performance), and 'Logging' (Off). At the bottom of the configuration area are 'Save & Reboot system' and 'Cancel' buttons. The footer contains 'System Information' (Eunhasu Web interface version: V0.6.1, Network information: eth0 | 02:12:08:80:D6:78 - 192.168.0.217 - DHCP - UP, Detail system information, DAC information, Set max volume) and 'System Date and Time' (Date: 2025-11-18, Time: PM 4:17:29, Time zone: America/Los_Angeles) and 'Eunhasu information' (About, Change Log).

- In most cases, the default settings do not need to be changed. If configuration changes are required, modify the desired settings and click 'Save & Reboot System' to save the changes and reboot the system.
- Click 'Cancel' to return to the main screen without saving changes. If the system is rebooted, the main screen will be displayed automatically after the boot process is complete.

Configuring and Running Music Playback Applications

- Click or hover over the icon of the desired music playback application to display the available function icons. Select the Start icon to launch the selected application. Diretta, MinimServer, and BubbleUPnP Server can be started from their respective configuration pages.
- After the application has started, launch the corresponding control app on your smartphone, tablet, or PC. Connect it to the player running on Eunhasu OS and configure the required audio device settings as needed.
- If necessary, click the Config icon to open the application's configuration page. Modify the desired settings, then click Save Changes to save the settings and return to the main screen.

(The illustration below shows the configuration page for Qobuz Connect as an example.)



- Finally, select your desired music and begin playback.

Note: For more detailed information about using Eunhasu OS, please refer to the documentation below. The latest software information, user manuals, and technical support resources are also available on the SOTM website.

<https://docs.sotm-audio.com/doku.php?id=en:eunhasu:start>