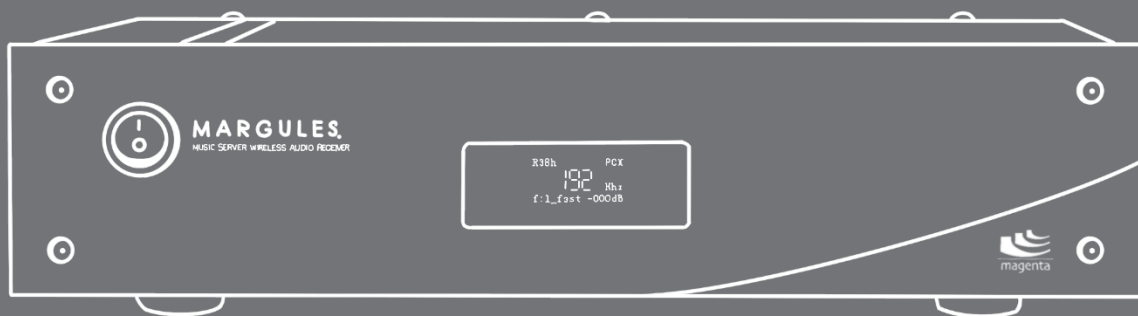


MARGULES

MS01 MUSIC SERVER AND DAC



Owner's Manual

Diseñado y fabricado por Margules
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Designed and manufactured by Margules
Morelia 38-4, Colonia Roma
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INTRODUCTION

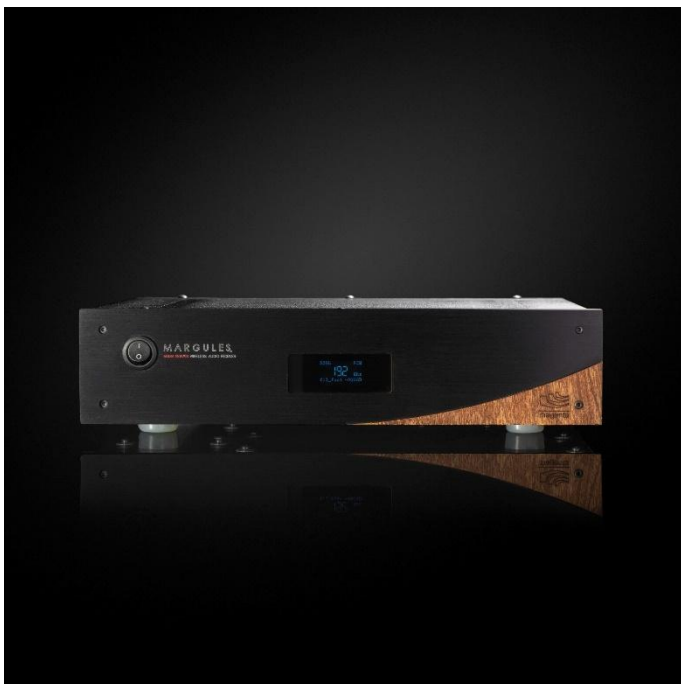
Congratulations. As the owner of a MS01 Music Server, you have acquired a product for streaming digital music that incorporates cutting-edge technology developed from the knowledge gained by Margules over more than 30 years of research.

This high-end music server was handcrafted with materials and components of the highest quality, observing the strictest production processes and taking care of the smallest detail.

With the addition of the MS01 Music Server to your audio system, you will be able to enjoy a captivating, engaging and natural sound: the formula of Casa Margules' characteristic sound.

In Margules Audio, we thank you for the trust you have granted us by acquiring our product, which will ensure years of pleasure and service.

The Magenta Music Server MS01 is designed for music lovers who require the versatility and convenience of digital formats, but who are not willing to sacrifice the virtues of organic, engaging and accurate music reproduction.



SAFETY INSTRUCTIONS

WARNING: To avoid electrical shock hazard, do not remove the equipment's cover. There are no user-serviceable parts inside so, in case of malfunction, we recommend only qualified personnel should service this component.



- 1. USER MANUAL:** Before turning on the equipment, carefully read and follow all safety and operation instructions. Keep this User Manual for future reference.
- 2. ACCESSORIES AND SPARE PARTS:** Only use accessories recommended by Margules. The use of accessories different to those recommended may cause damage to or malfunction of the equipment, or even create hazards while operating. If spare parts are needed, make sure the service technician uses spare parts specified by Margules. The use of non-authorized spare parts may create fire, electrical shock or other hazards. In order to maintain the warranty of the equipment, manipulation by personnel not authorized by Margules must be avoided.
- 3. PLACEMENT:** Do not place this equipment on unstable surfaces, brackets, tripods or tables. The product could fall, causing personal injury or damage to the equipment. Always place the equipment according to the instructions of the manufacturer and with the recommended mounting accessories.
- Do not place the equipment near flammable materials or on surfaces that prevent heat dissipation such as beds, couches, carpets or racks without proper ventilation.
- 4. WATER AND HUMIDITY:** Do not operate the equipment close to water (for instance, next to a pool, bathtub or sink) or in a humid environment (such as a basement), and do not expose it to the outdoors or rain.
- 5. MOUNTING ON WALLS OR CEILINGS:** Only mount the equipment on a wall or ceiling in the way recommended by the manufacturer. Call the service number in case of doubt regarding the safe way to mount the equipment.
- 6. INSERTION OF OBJECTS AND ACCIDENTAL SPILL:** Do not insert any objects through the openings of the unit since they could touch dangerous voltage points, creating the possibility of fire or electrical shock hazard. Avoid spilling liquids onto the unit. If a liquid is accidentally spilled onto or if any metallic object (such as paper clips, coins or staples) is inserted into the unit, unplug it immediately from the power source and contact Margules to receive instructions.

7. **HEAT AND TEMPERATURE:** Place the equipment far away from heat sources such as radiators, heat logs, stoves or other electronic equipment (including amplifiers) that produce heat.

8. **VENTILATION:** The rack, shelf or special furniture where you place the equipment must have ventilation slots or openings in order to protect the equipment from overheating.

Place the equipment with at least 6 inches (16 cm) free space from the top and with a space behind it that allows a free flow of air.

9. **GROUNDING OR POLARIZATION:** As a safety feature, the unit is equipped with a polarized alternating current line plug, which has one blade wider than the other. This plug can be inserted in the electric outlet only one way.

If you cannot insert the plug completely into the outlet, try inverting the plug.

If the plug still does not fit correctly, contact a licensed electrician to update your obsolete outlet. Do not remove or damage the safety end of the polarized plug.

10. **POWER SOURCES:** Use the equipment only with outlets that have the power supply indicated on the label of the equipment. If you are not sure about the type of power supplied in your home, contact your local electricity supplier.

11. **POWER CORD PROTECTION:** Fix the power cords in such a way that there is no risk of them being crushed, caught or squeezed by other equipment or furniture. Particularly pay attention to the ends of the cords, both the end that goes into the outlet and the end that directly comes from the equipment.

12. **LIGHTNING:** For best protection during an electric storm or when the equipment is inactive for long periods of time, unplug the equipment from the outlet and disconnect the antenna or cable decoder. This will help protect the equipment from lightning and electrical surges.

13. **ELECTRIC LINES:** Do not place an external antenna system near the aerial electric lines or other electric power circuits. When installing an external antenna system, you must be very careful not to touch the electric lines or circuits since contact with them may be lethal.

14. **OVERLOAD:** Do not overload the wall outlets, extension cords or power strips, since this increases fire and electrical shock hazards.

15. **SAFETY VERIFICATION:** After any service or repair to the equipment, ask the service technician to perform safety controls to make sure the equipment is in proper working condition.

16. **IMPORTANT SAFETY NOTES:**

CAUTION:



Any modification not expressly approved by Margules will make the warranty of the equipment void and may result in hazard for the user.

- Before connecting a new product such as the MS01 to your audio or home theater system, turn off all other equipment (preferably by unplugging them from the AC power source).

Many audio components have automatic start circuits that may activate during an installation; this could cause damage to the electronic components and/or speakers. This kind of damage is not covered by the warranty of this product and as such Margules specifically is released of liability for said damages.

- The detachable power cord supplied with your unit was specifically designed to be used with this product; however, you may use other better-quality power cords in order to take the utmost advantage of the capabilities of this equipment.

Ask your Margules distributor for advice on power cords that may be used with your system.

- For your protection, the product is equipped with an AC fuse located at the back of the chassis. This fuse may be replaced by the user. In case the fuse is replaced, and the equipment does not turn on, contact an authorized service representative. The spare fuse must be always the one specified by the manufacturer.

- The electric wiring that runs inside the walls must have the proper UL certification (Underwriters Laboratories) to indicate satisfactory compliance with all requirements set forth by the regulations in force, and belong to the list authorized by the UL, CSA or other regulation required by the UL, CSA, NEC or your local construction code. Questions on electric wiring must be submitted to a certified installer, licensed electrician or low voltage contractor.

CHARACTERISTICS

The Magenta Music Server MS01 is a network music server that combines our renowned analog technology with a precise digital circuit based on the ESS Sabre ES9038Q2M chip.

The MS01's analog circuitry complies with our ANA® design philosophy, allowing organic and engaging music reproduction, with wide frequency response, low distortion and accurate harmonic reproduction.

All this, accompanied by the operating system -with a lifetime license-, designed and finely tuned for "bit-perfect" music playback, controlled by cell phones, tablets or computers, which gives access to virtually all streaming platforms such as Tidal, Qobuz, HighRes Audio, HD radio stations and many more.

DIGITAL TO ANALOG CONVERTER

DAC based on the ESS Sabre ES9038Q2M chip, capable of handling lossless decoding of PCM files up to 768KHz and DSD512.

INDEPENDENT POWER SUPPLIES

Independent power supplies for analog and digital circuits.

Shunt power supply for the analog filter

ZERO NEGATIVE FEEDBACK

Totally discrete analog filter with no negative feedback

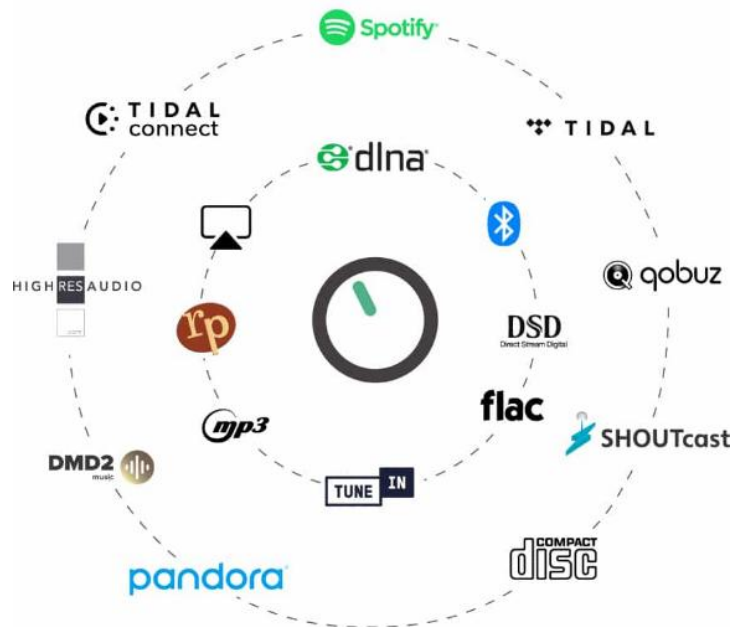
FLEXIBILITY

Following our manufacturing philosophy, the MS01 music server ensures clear and crisp playback of music streamed from various online services (such as Spotify, Tidal, Qobuz, HighResAudio), USB storage devices, CDs, and local network sources (such as NAS drives).

Wireless or ethernet connectivity, and multi room capabilities the MS01 offers a listening experience only comparable to the very intention of the musician that created it, offering to all music lovers a realistic sound rich in details, with an unrivaled frequency response and a precise and organic harmonic reproduction free of distortion.

OPERATING SYSTEM

The MS01 comes with a lifetime license for Volumio OS, specifically designed for Margules Audio.



NEURO-ACOUSTIC ALIGNMENT (ANA®)

The ANA® technology (Neuro-Acoustic Alignment) is one of Margules' technological innovations developed from a fundamental principle: the human brain perceives sound by prioritizing the harmonic structure above fundamental tone; that is, it focuses on how humans perceive sound and not on how we measure it.

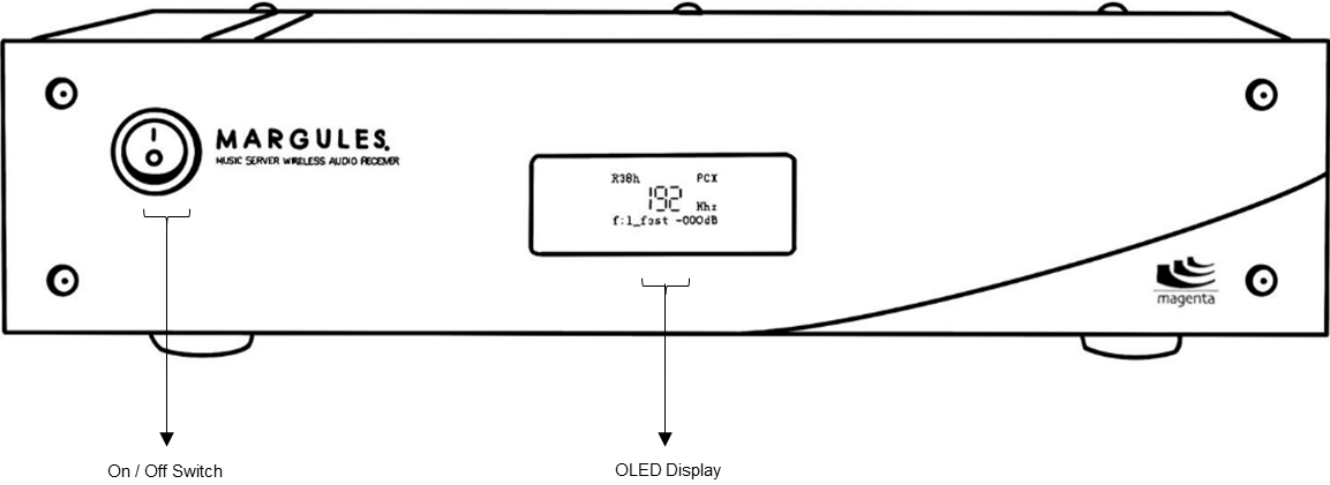
This technological advance originates from the engaging sound theory and is based on the way in which our brain decodes the information from the sound waves through the ears: when sounds are closer, they keep us focused due to the relation between perception and sound, the distance at which we perceive them and their intelligibility, whereas distant sounds, even when intelligible, do not catch our attention and are easily ignored.

Our ANA® technology is designed to achieve a realistic sound, with a wide frequency response, low distortion and precise harmonic reproduction, optimizing to the utmost the relationship between the source and the receiver, so that you can enjoy your music in a way you have never experienced before.

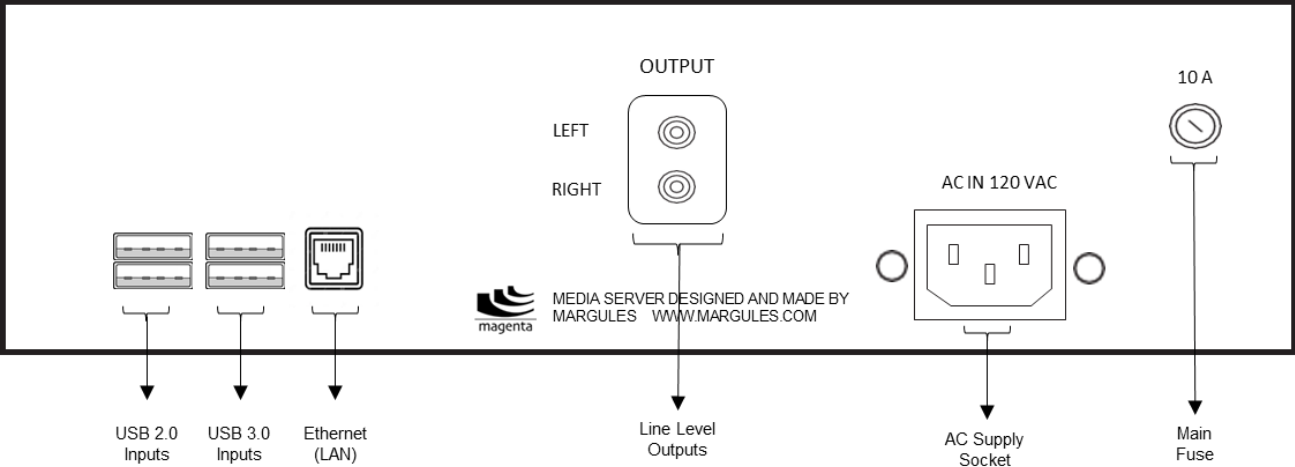
TECHNICAL SPECIFICATIONS

Inputs:	Two 3.0 and two 2.0 USB inputs WIFI or LAN operation
Output:	2 channel RCA (unbalanced) 2.2Vrms/-0dB, THD+N: 0.0005% at 1KHz
Decoding parameters:	Professional IIS digital processing solution, with original code hard decoding. DAC based on the ESS Sabre ES9038Q2M chip, capable of handling lossless decoding of PCM files up to 768KHz and DSD512.
Audio format sources:	USB hard drives, USB sticks, USB CDs, NAS drive shares (CIFS & NFS) are easily mounted and scanned for audio content.
DLNA/UPnP:	DLNA/UPnP is an out-of-the-box option to stream music in hi-res from an external source, using the MS01 as renderer
Multiroom Playback:	Connect up to 6 devices on the same home network and create one or more groups/rooms to play your music simultaneously on the selected devices.
Roon Ready:	You can use Roon with Volumio by installing the Roon Bridge plugin. This allows your Volumio device to be recognized as a Roon endpoint, enabling you to stream high-quality audio from Roon

FRONT PANEL



REAR PANEL



UNBOXING AND INSTALLATION

Carefully take the unit out of its box and remove all packaging materials.

Check that all components are included:

- MS-01 Music Server unit
- Power cable

Place the unit on a solid and level surface that prevents vibrations.

Always install the MS-01 in a location that allows proper ventilation.

Never install the MS-01 outdoors.

Do not expose the unit to rainfall or direct sunlight.

CONNECTING TO AN INTEGRATED AMPLIFIER OR PREAMPLIFIER

Using high-quality RCA cables, connect one end of the cable to the output connectors on the MS-01 (red for right channel, white for left channel) and the other end of the cable to the RCA input of your integrated amplifier or preamplifier.

Once connected, ensure that your amplifier or preamplifier is set to the correct input channel (usually labeled "AUX," "Line In," or similar), so it can receive the audio signal from the MS-01.

Adjust the volume of your amplifier to the lowest level when connecting or disconnecting cables to prevent damage to your speakers or audio equipment.

CONNECTING TO THE ELECTRICAL POWER SUPPLY

It is crucial to connect your MS01 Music Server to the correct power supply as specified by the manufacturer. Using incorrect voltage can result in permanent damage to the unit and void the warranty.

Plug the MS01 Music Server's power cable directly into a 120V AC electrical outlet (for North America) or a 220-240V AC outlet (for Europe and other regions).

Ensure that the outlet is properly grounded and provides a stable power supply.

DO NOT use any power adapters, converters, or power strips that are not rated for the correct voltage unless explicitly stated in the manual. Using unapproved equipment may result in electrical issues or damage to the unit.

For additional safety, consider using a surge protector to protect the MS01 from sudden voltage spikes or electrical surges caused by storms, electrical grid issues, or power interruptions.

Warning: Failure to connect the MS01 Music Server to the correct voltage as specified for your region can result in irreversible damage to the unit and will void the warranty. Always follow the specifications provided in this manual to ensure safe and optimal operation.

CONNECT THE MS01 MUSIC SERVER TO YOUR LOCAL AREA NETWORK (LAN)

To set up the MS-01 Music Server for the first time, it is essential to connect the device to the local area network (LAN) via Ethernet.

Plug one end of the Ethernet cable into the dedicated port of the MS-01, and the other end into a router or network switch.

Power on the MS-01 Music Server using the front switch. Allow the MS-01 to boot up for approximately 3 minutes. During this time, the system will connect to your network via Ethernet, and Volumio will automatically detect the MS-01 Music Player as “Margules Magenta”.

Once detected, the device is ready for the next step: configuring it via the Volumio Web Interface or mobile apps (iOS/Android).

Since the MS-01 Music Server uses Volumio Premium as its operating system, you will need to download the Volumio app to control the MS-01 from your mobile device. Volumio is available as an app for both iOS and Android devices, giving you full control over your music server.

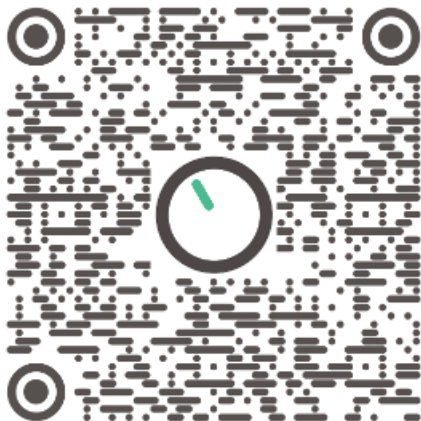
To control the MS-01 Music Server, download the Volumio app from the App Store (for iOS) or Google Play Store (for Android) and install the App.

The Volumio app gives you full control over your MS-01 Music Server, providing a convenient and intuitive interface for managing music playback directly from your mobile device.

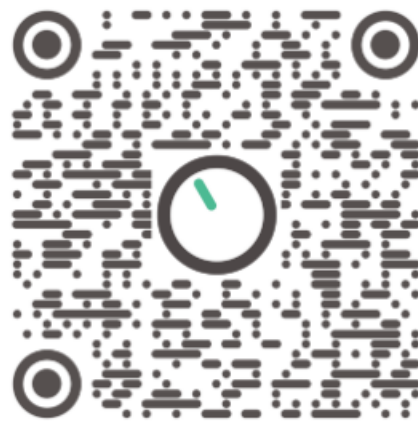
If you prefer to use the Web Interface instead of the app, you can access the Volumio control panel via a web browser on your computer by entering the IP address of your MS-01 Music Server or typing <http://margules-magenta.local> in the web browser's addresses bar.

Note: You can reserve a static IP from your router's admin panel. This method ensures that the router always assigns the same IP to the MS-01 based on its MAC address.

Android Download (Scan QR Code)



iOS Download (Scan QR Code)

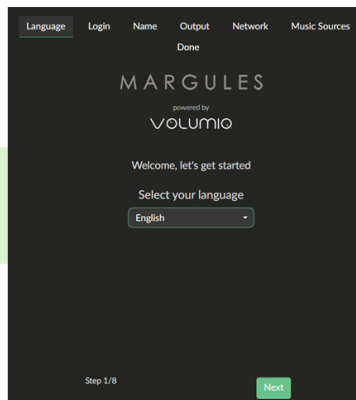


CREATE A VOLUMIO ACCOUNT

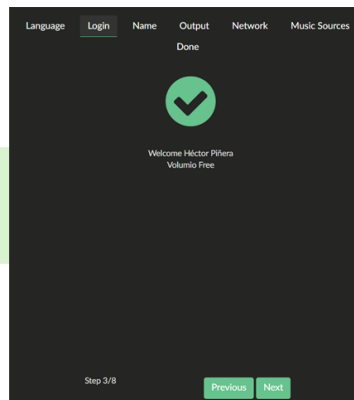
Open the Volumio Web Interface or Volumio app, and you will be prompted to create an account. Once the account is created and the device is detected, you will enjoy the premium version of Volumio, optimized for the MS-01 Music Server. This account will allow you to sync settings, access online music services, and manage playlists across multiple devices

CONFIGURE VOLUMIO

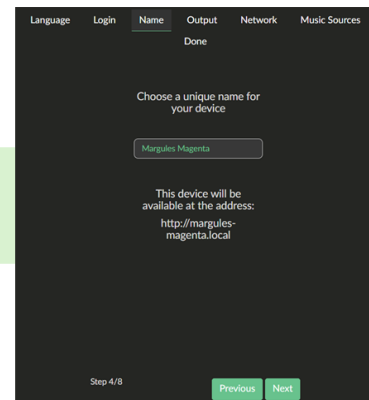
Open the Volumio app on your mobile device or web browser and select your language



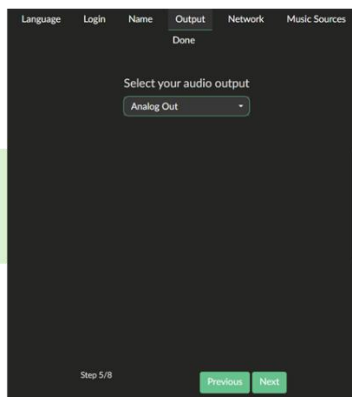
Log in into your Volumio account



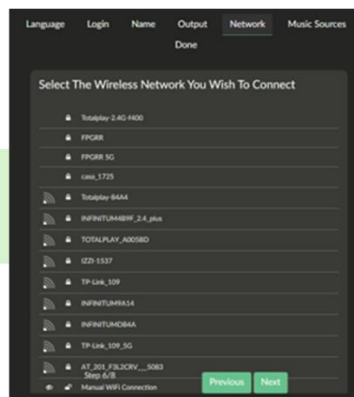
If desired, change the device name (the address to access the MS-01 will change according to the name assigned)



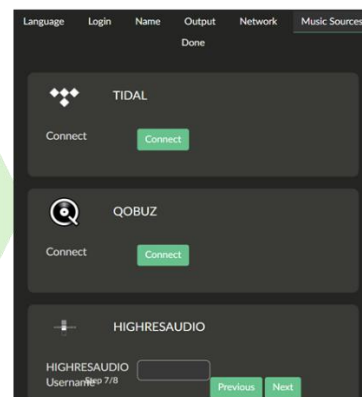
Select the analog audio output



Configure WI-Fi (optional) *



Log in to the desired music streaming services



** Ethernet is the preferred connection method for the MS-01 Music Server. A wired Ethernet connection provides more stable and consistent performance, ensuring reliable audio streaming without interference or signal drops that can sometimes occur with Wi-Fi.*

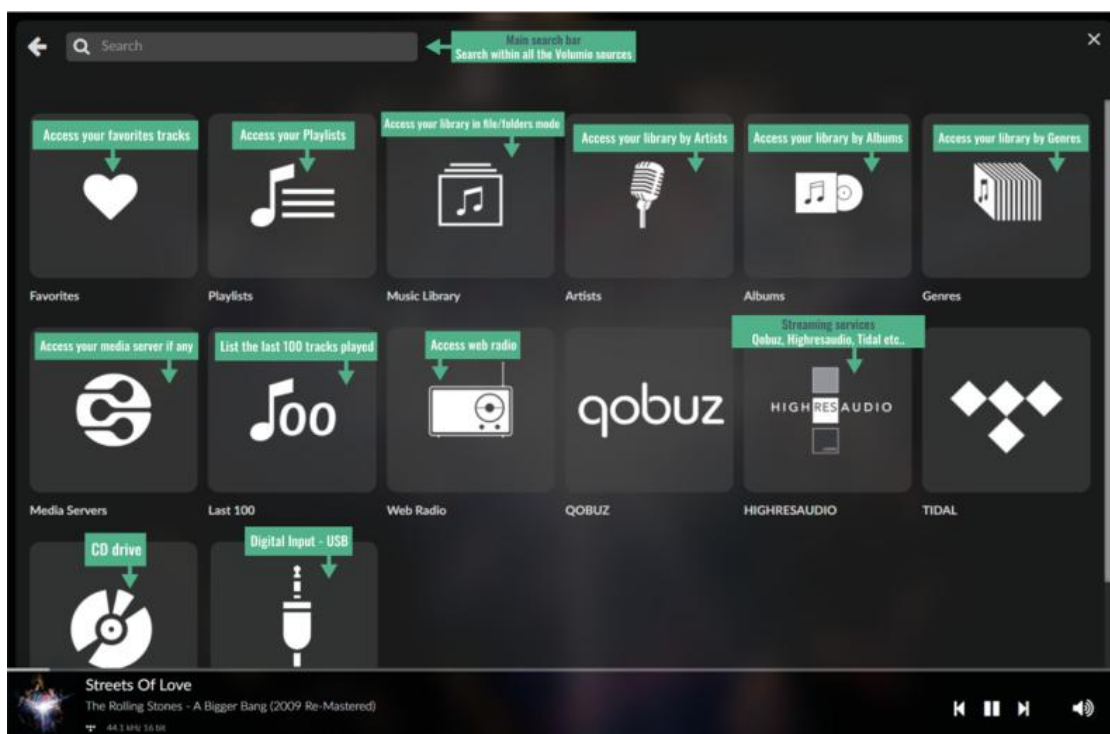
If your MS01 Music Server and the remote controllers (smartphone, tablet, etc..) are connected to 5GHz Wi-Fi network, make sure the Wi-Fi range is optimal for any device.

Note: When using Tidal, to enjoy digital music files in 24-bit, 192 kHz resolution, it is necessary to set the playback quality to Hi-Res from the 'Sources' menu

OPERATING YOUR MS01 MUSIC SERVER

Once your MS-01 Music Server is set up, you can begin enjoying your music in a variety of ways. Your MS-01 Music Server supports a wide range of audio sources, including streaming services, local storage devices, USB CD's, web radio and more.

- **Streaming Services.** To start playing music from these services, simply log in to your preferred platform through the Volumio interface. Supported streaming services include Tidal, Qobuz, Hihgresaudio and Spotify. New services may be added with updates.
- **Local Storage.** If you have music files saved on local storage devices such as USB drives, external hard drives, or networked drives, you can easily play them through Volumio. Simply connect your device to a USB port and browse the music library via the Volumio interface.
- **Network Drives (NAS).** If your music is stored on a network-attached storage (NAS) device, you can configure Volumio to access your network drive and stream music directly.
- **USB CD.** You can enjoy music from CDs by connecting an external USB CD drive to your MS-01 Music Server. Once connected, the MS-01 will detect the CD and allow you to browse and play the tracks through the interface.
- **Internet radio stations.** You can explore a wide range of genres and stations directly through the Volumio interface



- **Playlists.** Creating and managing playlists is a great way to organize and enjoy your favorite music on your MS-01 Music Server. You can easily create custom playlists with tracks from any source, whether it's from local storage (hard drives, USB drives) or streaming services. This gives you full flexibility to mix and match your favorite music.

To create a playlist on your MS-01 Music Server browse your music and select the tracks you want to add to the playlist. You can choose songs from local storage (hard drives or USB drives) or from streaming services such as Tidal, Qobuz, or Spotify.

- **Add to Playlist:** Once you've selected the songs, look for the option to "Add to Playlist". Choose this option to create a new playlist or add to an existing one.
- **Playing a Playlist:** To play a playlist on your MS-01 Music Server go to the "Playlists" section in the interface. Find and select the playlist you want to play. Click "Play" to start listening to the playlist.
- **Managing Playlists Across Services.** If you use streaming services, your MS-01 Music Server allows you to create and manage playlists directly within those platforms. Any playlist you create on these services will be available within the server interface, so you can easily combine tracks from both local and streaming sources in your local playlists.



SYSTEM UPDATES

Updating Firmware. It's important to keep your MS-01 Music Server up to date to enjoy new features, performance improvements, and bug fixes.

To check for available firmware updates, go to the "Settings" menu, select "Check Updates". If an update is available, you will see an option to "Install" or "Update". Follow the on-screen instructions to complete the update. The process may take a few minutes. Ensure the server is connected to the network and has enough power during the update.

TECHNICAL SUPPORT

If you encounter any issues or need technical assistance, please don't hesitate to contact the Margules Audio support team. Our dedicated professionals are ready to assist you with any questions or concerns you may have.

<https://margules.com/en/contacto/>

INSTALLATION NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.