MS.1

PRODUCT GUIDE

SERIES

VSSL™

EVERY JOURNEY BEGINS HERE™

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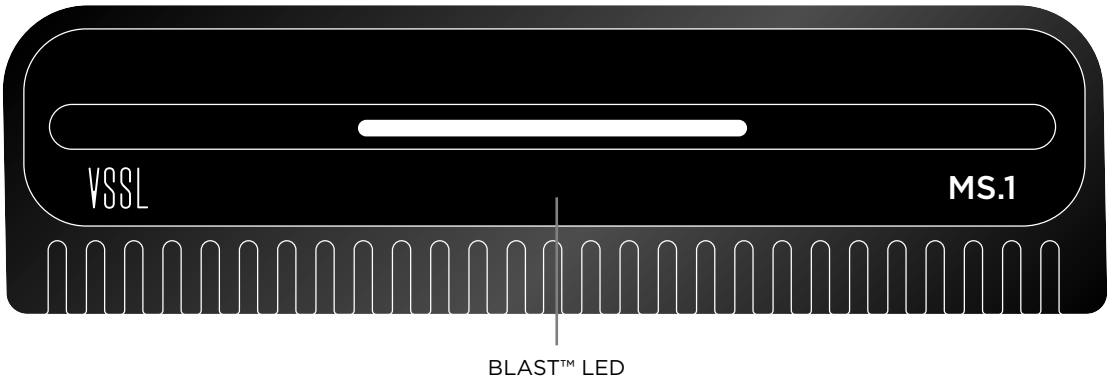
WELCOME TO VSSL - EVERY JOURNEY BEGINS HERE™

Thank you for choosing the VSSL MS.1 - a high-performance audio streaming device powered by the VSSL ecosystem and designed to integrate seamlessly into your existing audio system. With its Native Streaming™ technology including support for Apple AirPlay, Google Cast, Spotify Connect, and DLNA, the MS.1 allows you to stream directly from your favorite music streaming apps quickly and easily, even without the need for a third-party controller.

This manual will provide you with an overview of the features, connections, and setup process for the VSSL MS.1.

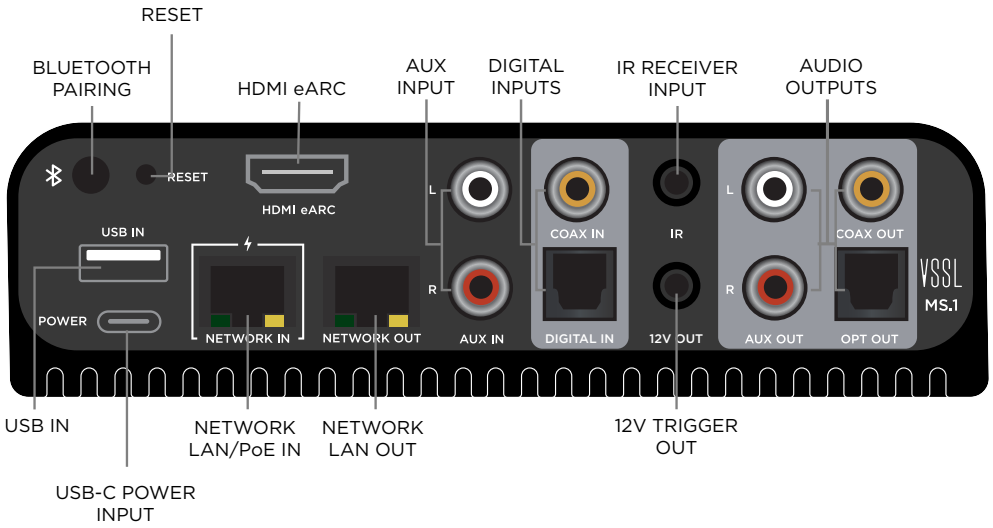
PRODUCT OVERVIEW

FRONT PANEL



BLAST™ LED	The “Behavior Lumination Activity Status Tracker” or BLAST™ LED shows the status and activities of the device. The MS.1 also takes advantage of the LED to deliver the VSSL BEAT™ Optics, a visual equalizer for the music streaming from within. Please see the section for Settings for additional LED details regarding colors and functional descriptions.

BACK



Bluetooth Pairing	Press the Bluetooth button until the BLAST™ LED starts flashing blue which indicates that the device is in Bluetooth pairing mode. Bluetooth pairing can also be achieved by using the VSSL CNCT™ Application.
Reset	A quick press will reboot the device. To factory default the unit, press the Reset button for a minimum of 10 seconds or until the BLAST™ LED Illuminates orange indicating that the factory reset has started.
HDMI eARC Input	Using an HDMI cable (not provided), connect one end to the eARC input of the MS.1 and the other end to an eARC-enabled HDMI output on your television. You may be required to enable CEC in your TV settings. Consult your TV user manual for more information. The source will appear as “HDMI eARC” in the VSSL CNCT App.
Aux Input	For any Stereo Analog Audio Input, connect one end to the AUX In of the MS.1 and the other end to the stereo analog output of desired connected device. The source will show as an “Aux In” in the VSSL CNCT App.
Digital In	For Digital input supporting Optical or Digital Coaxial inputs. Supports Dolby Digital and PCM Digital Formats.
IR Receiver Input	For IR control of the device. Using the VSSL CNCT App, you can use the built-in IR Codes or use an IR receiver cable. IR commands can be “learned” for volume+, volume-, and mute from your TV remote.
Audio Output	Analog, Optical and Digital Coax output. All 3 Outputs can be used simultaneously. Using the VSSL CNCT App, the audio output can be configured as Variable or Fixed Output.
USB In	Connect a USB mass storage device to the USB input for stored music playback.

BACK CONTINUED

USB-C Power Input	The MS.1 can be powered using the included USB-C power adapter.
Network LAN/PoE In	This 10/100 ethernet network input also allows for the MS.1 Streamer to be powered by a standard Power-over-Ethernet (PoE) network switch. Note: While Ethernet is recommended for Multi-room solutions, the MS.1 can also be connected to music streaming services using Wi-Fi.
Network LAN Out	Allows for simplified installation and network connection of additional VSSL devices.
12V Trigger Out	12 volt output turns on a connected amplifier that supports a voltage trigger. (12v trigger only active when powered by POE)

SPECIFICATIONS

Inputs	HDMI eARC, Optical, USB, Analog RCA, Network, IR
Wireless Inputs	AirPlay, Google Cast, Spotify Connect, TIDAL Connect
Bluetooth	Bluetooth LE Audio
Voice Integration	Google Assistant
WiFi	Yes
Outputs	Optical, Digital Coax, Analog RCA
Power	USB-C or PoE
Rack Space	1U
Dimensions	5.75” W x 1.75” H x 5.75” D (171.5 mm W x 44.5 mm H x 171.5 mm D)
Weight	1.2 lbs (0.54kg)

NETWORK

The VSSL MS.1 is a network-connected audio streaming device and relies on a well implemented local area network (LAN) to operate correctly. Internet access is required for software updates and to use many of the streamer's features. Once the MS.1 is connected to your other A/V equipment, you need to set up the device.

Wi-Fi

For Wi-Fi setup, the BLAST™ LED should be pulsing blue indicating that it is ready for wireless (Wi-Fi) setup/configuration. When you open the VSSL CNCT app on your iOS or Android smart phone, your MS.1 device will prompt you to be set up. Follow the application prompts to continue setup.

ETHERNET

For setup over Ethernet, the BLAST™ LED will show solid white. Within the VSSL CNCT application, go to the Settings tab where you will first name the device and then enable Google Cast Setup. Google Cast must be enabled in order to allow any casting from the device.

SETTINGS

On the Settings tab within the VSSL CNCT application you will find many options to customize your VSSL device including:

AUDIO SETTINGS

The MS.1 audio output can be configured for Variable or Fixed volume audio playback. When using the device in Variable audio output, you have access to additional device settings to control the Default on Volume, Limit Max Volume, Loudness, EQ and Advanced EQ Controls.

BLAST™ LED

Customization features of the BLAST™ LED include the ability to Enable/Disable the LED, adjust the LED Timeout, specify LED Day and Night Dim Times, and disable the Day/Night auto dim feature. You are also able to specify the intensity of the LED during Day/Night as well as select from a list of colors to personalize the LED.

STATUS INDICATOR

The MA.1 BLAST™ LED bar provides clear, at-a-glance status feedback for the MA.1, indicating modes such as normal operation, pairing, booting, firmware updates, and factory reset.

LED Color & Behavior	Activity
White (Solid)	Powered on, normal operation
White (Pulsing)	Ready for setup
Royal Blue (Pulsing)	Pairing mode
Yellow (Flashing)	Booting or restarting
Green (Flashing)	Paired successfully
Purple (Flashing)	Firmware update in progress
Red (Flashing)	Error - reboot or reset
Turquoise (Pulsing)	Find me active
Orange (Pulsing)	Factory reset initiated

SOURCE STATUS INDICATOR

When changing sources, only the center LEDs illuminate for 5 seconds. The outer LEDs remain off during source selection.

LED Color & Behavior	Activity
Turquoise	Network stream
Royal Blue	Bluetooth
Orange	HDMI
Yellow	Digital in
Green	Aux in

POWER & UPDATE MANAGEMENT

By default, the MS.1 will power down into sleep mode after 20 minutes of inactivity. You can change this time or disable it. You also have the capability of enabling “Stop Playback After” which turns off the device after a selected amount of continuous playback. If your device is connected by Ethernet and you want to ensure that wireless is not enabled, you can disable the Wi-Fi from this screen as well.

AURACAST MANAGEMENT

Auracast allows you to pair VSSL devices together wirelessly without the need for each paired player to be connected to a network. Auracast also allows for the pairing of some personal listening devices as well. To enable this feature, follow the instructions in this section of the VSSL CNCT App.

BLUETOOTH MANAGEMENT

To play your music using Bluetooth you can pair your VSSL device to your smartphone using the Bluetooth pairing button on the back of the device. You can also pair your VSSL device using the VSSL CNCT application as well as see what other Bluetooth devices have been paired with your VSSL device.

GOOGLE CAST SETUP

For Wi-Fi setup, the VSSL CNCT application will prompt you to enable Google Cast. If the device is connected by wired Ethernet, you must enable this manually. Google Cast is a high-performance streaming protocol that allows you to cast your favorite music from your iOS or Android smartphone, tablet, and Mac or Windows laptop to any supported zone within your home environment. For a full list of Google Cast-enabled applications, please visit: https://www.google.com/cast/apps.

SOURCES & MULTI-ROOM

You can enable/disable the auto source detect to manually control the inputs on the MS.1. This is also important if you are planning to integrate the VSSL device within a third-party control system, such as Control4, Crestron or others. Additional settings for Source Enable, Source Gain, and Audio Delay are available. Multi-Room Sharing allows this device to share its content with other VSSL **MX** devices on the network. This is a convenient way to share HDMI eARC audio over the network to a VSSL MA.1 for example that could be located in an equipment rack powering other rooms’ speakers.

IR CONTROL

The MS.1 can be controlled by either your TV remote or a universal remote. The TV Control function allows your VSSL device to “learn” your TV remote commands. When used in Universal Remote mode, a third-party universal remote can use the IR code database that is available at vssl.com.

ACTIVE ALARMS

Set up an audible reminder for anytime of the day or night.

SLEEP TIMER

Set up a specific time for the device to automatically turn the zone/room off.

MUSIC PLAYBACK

Listening to music with VSSL is easy. Just play music in your favorite music streaming app, choose your preferred streaming method, and select the room or zone(s) to play to.

SPOTIFY CONNECT

Use your phone, tablet or computer as a remote control for Spotify. Go to Spotify.com/connect to learn how.

Note: The Spotify software is subject to third party licenses found here: www.spotify.com/connect/third-party-licenses

AIRPLAY

To use AirPlay, ensure your iOS device and AirPlay compatible receiver (like a smart TV or speaker) are on the same Wi-Fi network. Open the desired app, then tap the AirPlay icon or the Share icon, and select your desired AirPlay device from the list. You can control playback and even group multiple speakers for synchronized multi-room audio using the same method.

GOOGLE CAST

To use Google Cast, connect your phone, tablet, or computer with your Google Cast-enabled speaker on the same Wi-Fi network. Then, open a Cast-enabled streaming app, tap the Cast button and select your speaker from the list to start casting content.

Note: Go to the Google Cast website for a full list of Google Cast-enabled apps: https://www.google.com/cast/apps

TIDAL CONNECT

TIDAL Connect allows you to stream music directly from TIDAL's App to compatible devices, using the TIDAL app as a remote control. You'll need the TIDAL app on your phone or tablet in order to stream music. Simply play music in the TIDAL app, tap the device selector (usually a speaker icon), and choose the room, zone or VSSL device to cast the stream.

WARRANTY INFORMATION

All VSSL branded products have a limited two (2) year warranty. The VSSL Product Warranty covers defects in materials and workmanship in every VSSL product for two (2) years from the date of shipment from VSSL or the date of the original retail purchase from an authorized VSSL Dealer. The VSSL Product Warranty will cover the cost of parts and repair labor on all products deemed to be defective by Soundvision Technologies. The VSSL Product Warranty does not guarantee that VSSL products will at all times operate without interruption or will be error-free, or that all errors may be corrected. The warranty extends only to the original purchaser of the product and not to any subsequent owner.

Soundvision Technologies' obligation under this warranty is limited to repairing or replacing any component found defective in material or workmanship under normal conditions of use with an equal and/or current product. Products to be repaired or returned under this warranty must be returned to VSSL through an authorized VSSL dealer with all transportation and insurance charges prepaid. The warranty period is not extended if we repair or replace your product.

There are some exclusions to the VSSL Product Warranty, including but not limited to:
- Products which have been abused, modified, or disassembled;
- Problems that result from external causes such as accident, abuse or misuse;
- Use that is not in accordance with VSSL product instructions;
- Products with missing or altered serial numbers;
- Products which have had their housings opened or are otherwise tampered with; or
- Problems caused by using third party accessories, parts, or components.

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IMPORTANT SAFETY INFORMATION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not bypass the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as; power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING

- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- An appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Please always keep at least 20cm away from this device.

EU REGLATORY CONFORMANCE

According to Article 10 (10) of Directive 2014/53/EU, the packaging shows that this radio equipment will be subject to some restrictions when placed on the market in Belgium (BE), Bulgaria (BG), the Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Italy (IT), Cyprus (CY), Latvia (LV), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE), the United Kingdom (UK), Turkey(TR), Norway (NO), Switzerland (CH), Iceland (IS), and Liechtenstein (LI). The WLAN function for this device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

BE	BG	CZ	DK	DE
EE	IE	EL	ES	FR
IT	CY	LV	LU	HU
MT	NL	AT	PL	PT
RO	SI	SK	FI	SE
UK	TR	NO	CH	IS
LI				

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la section 15 des réglementations de la FCC. Le fonctionnement de l'appareil est sujetaux deux conditions suivantes :
(1) cet appareil ne doit pas provoquer d'interférences néfastes, et
(2) cet appareil doit tolérer les interférences reçues, y compris celles qui risquent de provoquer un fonctionnement indésirable.

Note: This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Please take attention that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.