

The

AvonSynth User Guide

AVS-S&R-1

Stereo Send
and Return Module



Thank you for purchasing from AvonSynth

Congratulations on your purchase of a brand new AvonSynth AVS-S&R-1 Stereo Send and Return Eurorack Module. We trust that it will both serve and inspire you as you create beautiful music with it for years to come.

In order to get the most out of your module, please ensure that you read this User Guide in its entirety so that you fully understand all of its functionality, and that you follow all necessary safety directions during use.

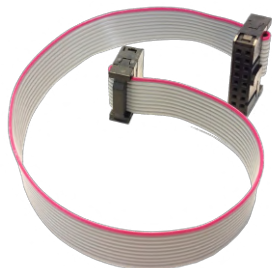
Included in the Box

1 x Send & Return Module

1 x 10 pin to 16 pin
flat-cable power cord

4 x M3 Mounting Screws

4 x Nylon Washers



Installation

Step 1: Power your system off. Place the module in your Eurorack-compatible rack in any convenient position. Affix the module to your rails using the mounting screws and nylon washers. Neglecting to use these washers may result in unnecessary marking of the unit.

Step 2: Triple check the polarity of the power connector before connecting the power cord to your power supply. Ensure that the -12v line marked on the back of the module connects to the same end of the flat-cable that also connects to the -12v line on your power supply. While AvonSynth modules use shrouded connectors that make this process safer and more reliable, some systems do not conform to this polarity standard, so careful checking is **always** necessary. Connecting the module with incorrect polarity can result in irreversable damage done to the module which cannot be covered by warranty.

Step 3: Power up your system and start patching!



Features & Specifications

- Send & Return module that routes audio from your modular to external gear and back again
- Fully analogue signal path using high-end componentry
- 12 HP wide (60.6mm), 30mm deep, current consumption: +12V 65ma, -12V 55ma
- Converts unbalanced modular level signals to balanced line or instrument level and back
- Separate gain knobs for both channels on the send, and return sides
- Green signal and red clip-warning indicators significantly aid in achieving ideal gain-staging
- Mix knob for each channel fades between the 'dry' send signal and 'wet' return
- All TRS 6.35mm (1/4") outputs utilise high quality, genuine Neutrik^(TM) sockets

Description of Functionality

Send Signal & Clip Warning Indicators

The green LED on the send side turns on when the signal has reached instrument level. Its brightness increases as the level rises. The red LED on the send side indicates that the output is exceeding line level. This warns that clipping may occur, depending on the input stage of the equipment receiving the signal.

Send Inputs

These 3.5mm (1/8") send input sockets receive the +/-5V modular audio that is to be sent from your modular to external gear, such as reverbs, tape-delays, rack effects, and guitar effect pedals.

Send Gains

These knobs control the gain or attenuation applied to the outgoing signals. Adjust these to set the optimum levels for your receiving gear.

Send Outputs

These 6.35mm (1/4") TRS outputs should be connected to inputs of the the external gear that you would like to send your audio to. They utilise a pseudo-floating balanced configuration that is compatible with both balanced (TRS), and unbalanced (TS) connections.

Receive Signal & Clip Warning Indicators

The green LED on the receive side turns on as the returned signal reaches line level. Its brightness increases as the level rises. The red LED on the return side indicates that the signal is exceeding +/-5V modular level. This warns of the possibility of clipping occurring in your modular, depending on the modules used.

Return Inputs

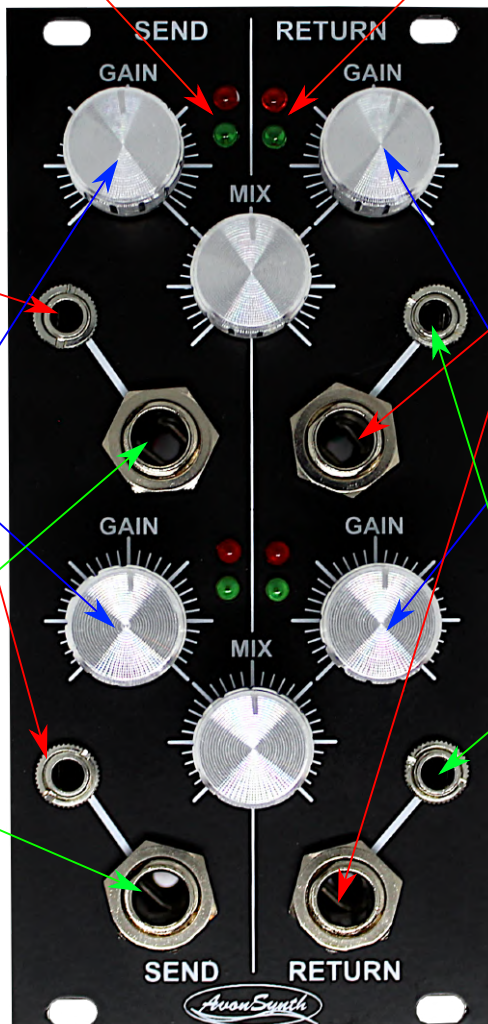
These 6.35mm (1/4") balanced TRS inputs should be connected to the outputs of the external gear that you would like to receive your audio from. They are compatible with both balanced (TRS), and unbalanced (TS) connections.

Return Gains

These knobs control the gain or attenuation applied to the incoming signals. Adjust these to set the optimum levels for the received sound to your modular.

Return Outputs

These 3.5mm (1/8") return output sockets send the line or instrument level audio that is received from your external gear back to your modular at +/-5V modular level.



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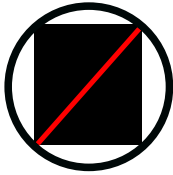
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Safety Precautions

Please use this module in accordance with the following safety guidelines in order to maximize the life of the module and ensure warranty from AvonSynth.



Keep water and other conductive liquids and materials away from this module. It is not water proof, or even water resistant. Exposure to these can cause short-circuits that can render the equipment unusable.



Be sure to keep this equipment in an environment with an ambient temperature above -20°C and below $+50^{\circ}\text{C}$. Excessively hot or cold temperatures can be damaging to the electronic circuits used.



Modules with exposed circuit-boards are delicate. Take the utmost care when handling and transporting this equipment, making sure not to subject it to excessive forces. Ensure that the module is installed correctly while being transported and that the original packing materials are used when sending the module anywhere by post.

Warranty & Support

This product is covered by AvonSynth's warranty for one year from the manufacturing date. Within this timeframe, any manufacturing defect will be repaired or replaced by AvonSynth. Damage caused to the product due to not following the safety precautions above, unauthorized modification of the hardware, or misuse such as subjecting the unit to reverse or excessive voltages will void this warranty.

If you have any concerns about your AvonSynth hardware, please get in touch via info@AvonSynth.com to discuss any issues. We will do our best to assist you in getting your hardware operating correctly, and if necessary, we will provide an RMA (Return Merchandise Authorization) to send back the unit for inspection. Any postal costs incurred in this process will be the responsibility of the customer. Please do not send back merchandise before receiving this authorization.