



# ST•MAR

Quick guide

# Thank you for choosing ST·MAR for your Eurorack System.

## Powering up

1. Turn off the power of your modular synthesizer.
2. Double check the power cord polarity. If you plug the module backwards, you might damage its electronic circuits.



*If you flip over your ST·MAR over, you will find the “RED” mark at the PCB power connector, which must match the colored line on the ribbon cable.*

3. Once you have checked all the connections, you can turn on your modular system.
4. If you notice any anomalies, turn your system off right away and check again your connections.

## Description

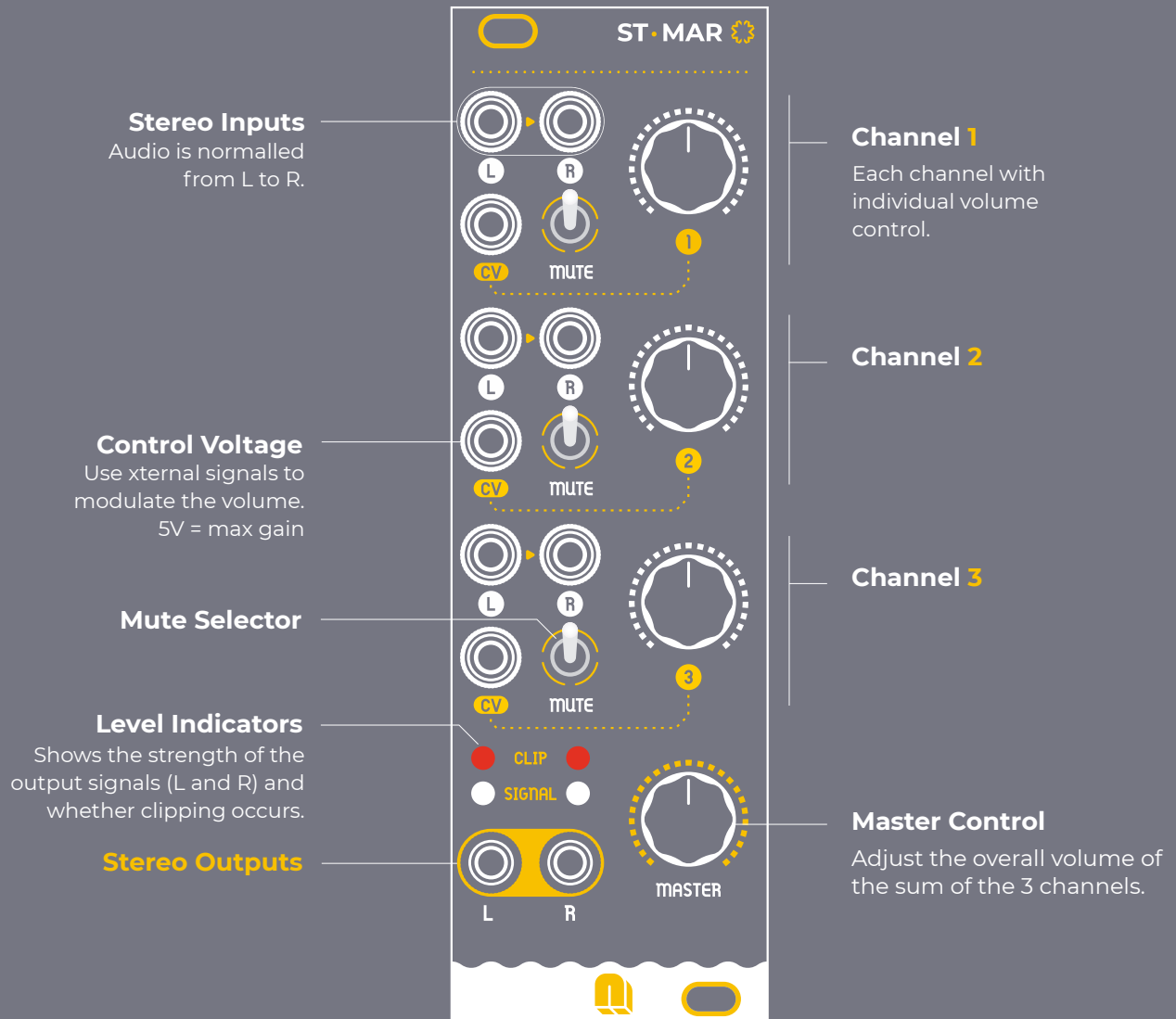
**ST•MAR** is a **3-channel Stereo Mixer** module in 8HP, designed to efficiently combine various audio and CV sources.

It features **Volume adjust** controlled by CV, a **MUTE switch** for audio silencing, and a **VU meter** to monitor signal levels accurately. Additionally, it includes a **Master volume** control, all within a compact module, making it an essential tool for blending stereo signals.

Stereo mixers are particularly valuable when working with Eurorack setups that feature stereo sound sources, like **effects processors or stereo filters**.

## Layout

This image will clarify the function of each of the elements of the module.



## Channels 1, 2 & 3

- **VOLUME Control**

Each channel comes with an individual volume control. It acts as a gain adjust when the CV is not connected.

However, when the CV is connected, it acts as an attenuator of the incoming signal.



Fig.1 Detail of Volume Control 1

- **MUTE Switch**

It allows you to temporarily disable the audio output of the corresponding channel. You can quickly mute a track or instrument to focus on other elements of the mix.

If it is pointing down, the mute function is activated.



Fig.2 Detail of Mute Switch

- **Stereo Inputs • L / R**

You can connect any kind of signal: audio, DC voltages, envelopes, LFOs... Audio is normalised from L to R.

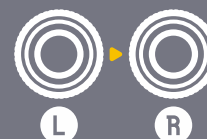


Fig.3 Detail of L / R Inputs

- **Control Voltage**

Adjust the Volume externally using the CV input.

Envelopes, LFOs, random voltages... throw whatever you want into it.

0V = -inf gain

5V = max gain (0dB)



Fig.4 Detail of CV Input

## Master Controls

- **Master Volume**

Adjust the overall volume of the sum of the 3 channels.



Fig.5 Detail of Master Volume

- **Stereo Outputs • L / R**

Modular level signal outputs, impedance of 10k Ohms.



Fig.6 Detail of L / R Outputs

- **LED Indicators**

Watch in real time how the output voltages are behaving before the master volume control in the built-in LEDs

CLIP shows whether clipping occurs.

SIGNAL shows the strength of the output signals (L and R).



Fig.7 Detail of LED Indicators

## Compliance

This device complies with the **EU guidelines** and is manufactured **RoHS** conforming without use of lead, mercury, cadmium and chrome. Nevertheless, this device is special waste and disposal in household waste is not recommended.

This device meets the requirements of the following standards and directives:

- **EMC: 2014/30/EU**
- **EN 55032.** Electromagnetic compatibility of multimedia equipment.
- **EN 55103-2.** Electromagnetic compatibility - Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use.
- **EN 61000-3-2.** Limits for harmonic current emissions.
- **EN 61000-3-3.** Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems.
- **EN 62311.** Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields.
- **RoHS2: 2011/65/EU**
- **WEEE: 2012/19/EU**



## Guarantee

This product is covered by **2 years of guarantee** on purchased goods, which begins when you receive your package.

- **This guarantee covers**

Any defect in the manufacturing of this product.  
Replacement or repair, as decided by NANO Modules.

- **This guarantee does not cover**

Any damage or malfunction caused by incorrect use , such as, but not limited to:

- Power cables connected backwards.
- Excessive voltage levels.
- Unauthorized mods.
- Exposure to extreme temperature or humidity levels.

Please contact our customer service - [jorge@nanomodul.es](mailto:jorge@nanomodul.es) - for a return authorization before sending the module. The cost of sending a module back for servicing is paid for by the customer.

## Technical Specifications

**Dimensions** 8HP 40x128,5mm

**Current** 53 mA +12V / 52t mA -12V / 0 mA +5V

**Input & Output** Signals  $\pm 10V$

**Impedance** Input 47tk - Output 10k

**Materials** PCB and Panel - FR4 1,6mm

**Depth** 35mm - Skiff friendly

Modules are designed and assembled in València.

## Contact

### Bravo!

You have learned the basic fundamentals of your ST·MAR Module.

If you have any doubts, please feel free to contact us.

[nanomodul.es/contact](https://nanomodul.es/contact)