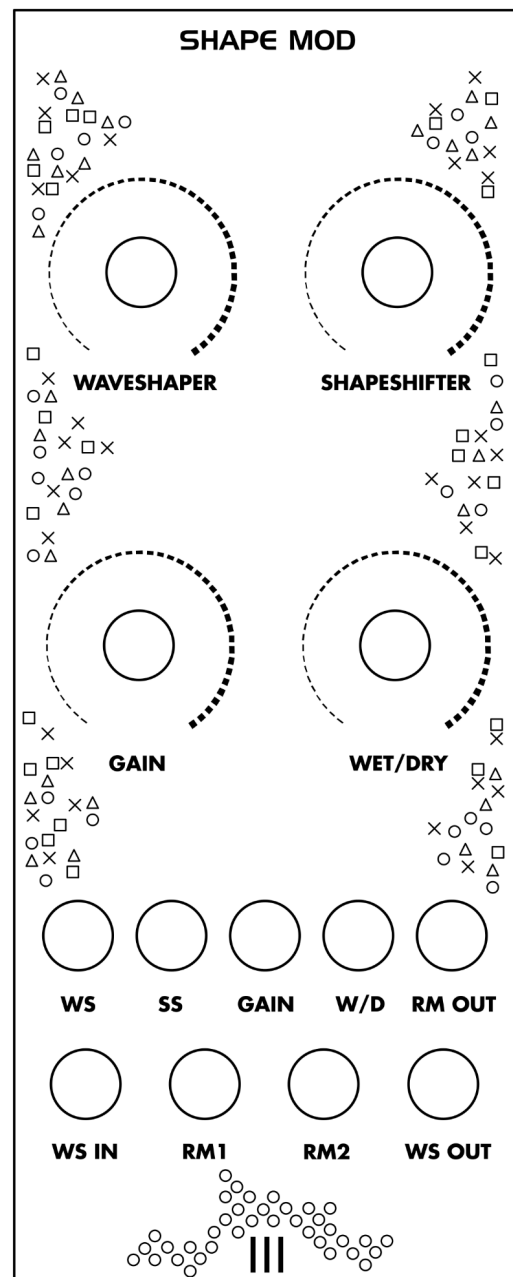


Tre Modular - Shape Mod

User Manual

Thank you for choosing the Tre Modular - Shape Mod Eurorack module!

This guide will walk you through the features, and usage of the Shape Mod module.



Shape Mod:

Shape Mod is a versatile waveshaper inspired by the Alisa 1377. This module not only functions as a powerful analog waveshaper but also offers additional features, such as - ring modulation and it can even be used as simple VCA.

Features:

- Analog waveshaper based on the Alisa 1377 synthesizer.
- Ring modulator functionality.
- Fully analog signal processing.
- Voltage control over Waveshaping, Shapeshifting, Gain and Wet/Dry signal.
- Compact 10 HP size.

Waveshaper:

Waveshaping part of this module is based on Alisa 1377 non-linear waveshaper. However Shape mod is a step further. It has two additional waveshaping stages that expand on the original waveshaper's capabilities, while still maintaining characteristic Alisa-like sound.

Shapeshifter:

Shapeshifter gives control over the polarity of one of the waveshaper stages. This changes the characteristics of the resulting sound. On one end it gives a softer sounding waveform and on the other it produces a more harsh sound.

Ring Modulator:

Shape mod has a built in ring modulator using AS3363. With nothing plugged in waveshapers output is normaled to both ring modulator inputs.

VCA:

This module can also be used as single channel VCA. You can input a signal into the Waveshaper input and set the signal to dry. This way by controlling the gain knob and gain CV it works as VCA.

v3.0:

On revision 3.0 we have worked some more on the sound capabilities of this module. Since the new version sounded a lot different than the original. We have found a way to give you both the original and the new one in the same module. On the back of it you will find a small slide switch that lets you choose between two modes N and O. O - Original and N - New.

Specifications:

Module width: 10 HP

Module depth: 25mm

CV: 0-10v

Power Consumption: 43mA at +12V / 42mA at -12V

Reversed polarity protection

Controls:

Waveshaper: Adjusts the waveshaping effect.

Shapeshifter: Controls polarity of a specific waveshaping stage.

Gain: Adjusts waveshapers gain.

Wet/Dry: Blends between processed (wet) and unprocessed (dry) signals.

Voltage-Controlled Features:

WS: Voltage control over the waveshaping effect.

SS: Voltage control over the shapeshifter effect.

Gain: Voltage control over the gain.

W/D: Voltage control to adjust the mix between wet and dry signals. Positive voltage adjusts waveshaper towards clean signal and negative voltage towards processed signal.

Inputs:

WS IN (Waveshaper In): Input for the signal to be processed by the waveshaper.

RM1 (Ring Modulator 1): Accepts an external signal when patched; otherwise, it is normaled to Waveshapers output..

RM2 (Ring Modulator 2): Accepts an external signal when patched; otherwise, it is normaled to Waveshapers output.

Outputs:

WS OUT (Waveshaper Out): Output for the waveshaper.

RM OUT (Ring Modulator Out): Output for the signal from the ring modulator.

Installation:

Power off your Eurorack system.

Insert the module into an available slot.

Connect the power cable, ensuring correct polarity.

Power on your Eurorack system.

Enjoy!

Additional Information:

For any additional questions or support, please contact Tre Modular at support@tremodular.com.

Happy patching!

