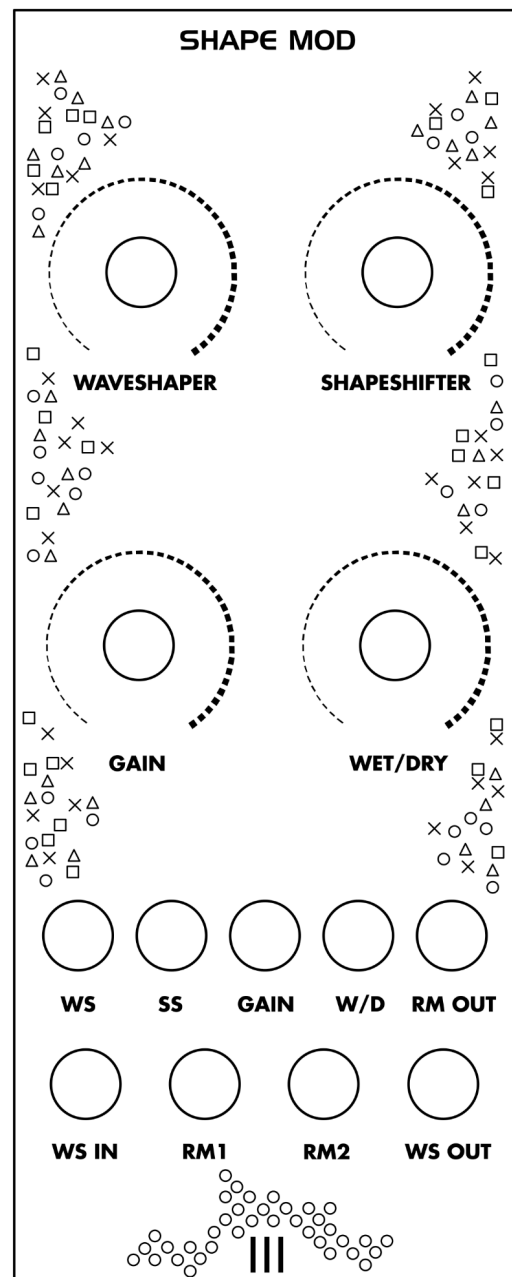


# Tre Modular - Shape Mod

## 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.

## 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](mailto:support@tremodular.com).

Happy patching!

