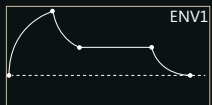


# Modulation



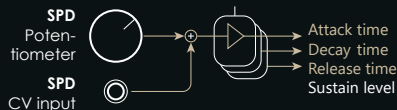
**Drone option**  
Constant minimum volume level possible (oscillator mode)

ADSR, fixed routing to volume, post-filter.



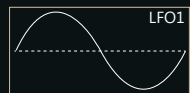
**Loop option**  
Turns into Attack-Hold-Release then

ADSR, can be routed to all targets in modulation matrix.



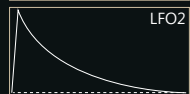
Attack curve  
Decay curve  
Release curve

Drone (ENV1 only)  
Loop (ENV2 only)



**OMNI**  
High performance CV input, flexible routing in modulation matrix

**KEY**  
The voice's current pitch



Both LFOs are identical.



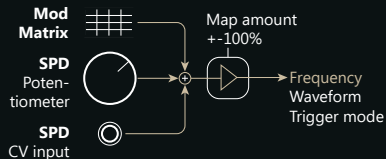
MIDI note velocity



Any MIDI CC, e.g. MPE Tilt



MIDI Aftertouch



**MIDI (with WarpEx Expander)**  
Aftertouch, tilt, pitchbend slew rate  
Pitchbend amount  
Master MIDI channel  
MPE MIDI channels  
ModWheel CC number  
Legato On/Off

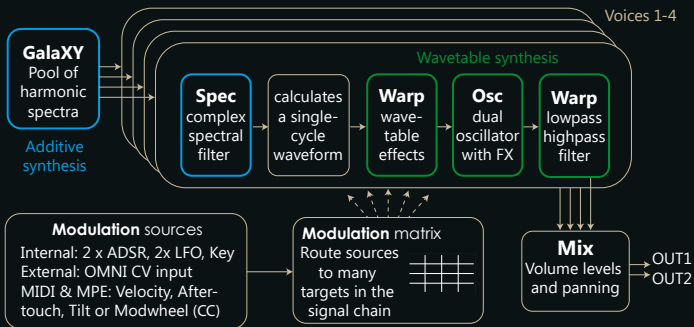
# Getting Started

neuzeit  
INSTRUMENTS

Read **Safety instructions** and the full **manual** on [www.neuzeit-instruments.com/warp](http://www.neuzeit-instruments.com/warp)

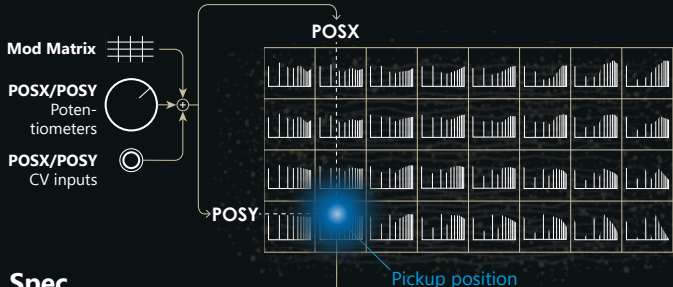
1. While your rack is powered down, mount Warp and eventually the WarpEx expander and then power the rack back on.
2. Patch Warp's **OUT1** and **OUT2** jacks to your speakers.
3. Send a gate CV to Warp's **TRIG** input and a pitch voltage to its **V/Oct** input.
4. Experiment with the **presets** available on the SD-card and adjust the potentiometers to explore different sounds.
5. If you wish to use Warp as an oscillator rather than a synth voice, navigate to Settings > Global and activate oscillator mode. This ensures that Envelope 1 (volume) maintains a consistent minimum output level whenever a new preset is loaded, allowing Warp to produce output even without a TRIG signal.

**NOTE:** Presets contain all internal parameters, but not the position of the potentiometers.

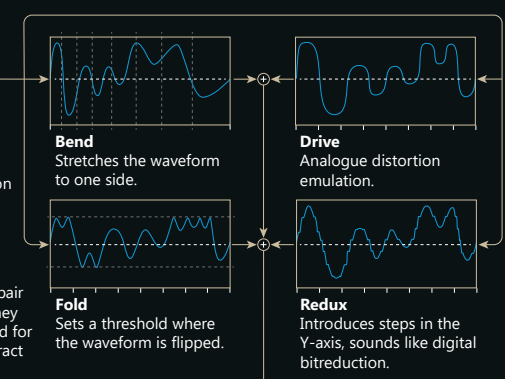
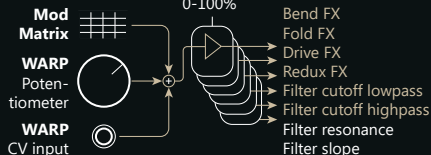
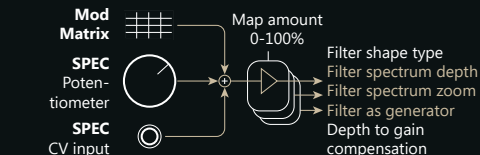
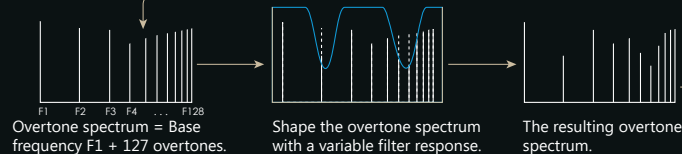


# GalaXY

Warp's GalaXY comprises a 32 by 16 grid of overtone spectra. Each voice begins by selecting one spectrum, which forms the base for the subsequent signal path and defines the voice's timbre.



## Spec



## Warp

The overtone spectrum is translated into a one-cycle waveform. The Warp section applies up to four effects on the waveform.

## Osc & Mix

Each of the 4 voices has a pair of wavetable oscillators. They can be individually adjusted for pitch and volume and interact through a range of effects.

