

THE EARWIG MODULAR MANUAL

GENERAL SPECS

19HP, 26mm depth. Eurorack

Weight: 178g

Power: 35mA @ 12V; 35mA @ -12V

CONTROLS

-**GAIN**: amplify or attenuate the incoming signal.

-**BIAS A**: moves the signal up or down the ground (0V). It basically adds a DC component. This control is very useful for shaping the signal along with the rectifier.

-**RECTIFY**: the main function of the module. It has four positions :

a) **Bypass**: no change;

b) **Positive half wave rectifier**: it only keeps the positive part of the signal and inverts it.

c) **Negative half wave rectifier**: it only keeps the negative part of the signal and inverts it.

d) **Full wave rectifier**: it takes the negative part of the signal, inverts it and sums it with the positive one

-**INVERTING SWITCH**: It inverts the signal that comes from the rectifier.

-**BIAS B**: moves the signal up or down the ground (0V). It basically adds a DC component. This is useful for DC and modulating signals. For audio signals keep it to the center point.

-**MIX**: Attenuator control for the mixer.

CONNECTORS

-**IN & OUT**: input and output signals for each channel. It accepts audio and DC signals. The output signal don't cross the "MIX" potentiometer.

-**BIASA & BIAS B**: Modulation inputs for the "BIAS" controls. This inputs don't have an attenuator, so it's best to attenuate the signal before if you want to get subtle results.

-**1+2 & 1-2**: outputs from the mixer. Addition & subtraction outs.