

Xim

Crossfader/VCA

User Manual

Table of Contents

Installation.....	2
Tech Specs & Power.....	2
Overview.....	3
Interface.....	4



Installation

Make sure your system power is switched off. Carefully attach the floating 16-pin end of the ribbon cable from the module to your power bus. **The red stripe should match up with the -12V side of your power bus.** All Noise Reap modules are reverse voltage protected and will simply not turn on if they are accidentally installed with the opposite polarity. No harm will befall the module or your system.

Tech Specs

- Width 4hp
- Depth 22mm
- Input Impedances ~100K
- Output Impedances ~1K

Power

- Reverse Voltage Protected
- Current Draw 10mA @ +12V
- Current Draw 10mA @ -12V

Overview

Xim is an old school crossfader/VCA.

It's based on the 'Mix' section of the 1993 Novation BassStation.

There is an inherent amount of nonlinear harmonic distortion. In fact, although not a practical feature, if you feed a rail-to-rail (about 22Vpp) triangle into the input the output will resemble a sine wave.

The signal path is fully DC coupled for working with audio and/or CV signals.



Interface

(1) XFADE Control

Crossfades between IN A and IN B. This ranges from muted to unity gain for both channels.

(2a) CV Input

5V bipolar range for the XFADE function. Positive voltages decrease IN A and increase IN B. The opposite is true for negative voltages.

Control voltages greater than 5V are simply ignored.

(2b) CV Input Attenuator

Manages the sensitivity of the CV input.

(3) Input A

DC coupled for audio or CV signals.

(4) Input B

DC coupled for audio or CV signals.

(5) Output

DC coupled. Resulting mix output for inputs A & B. 20Vpp headroom.

