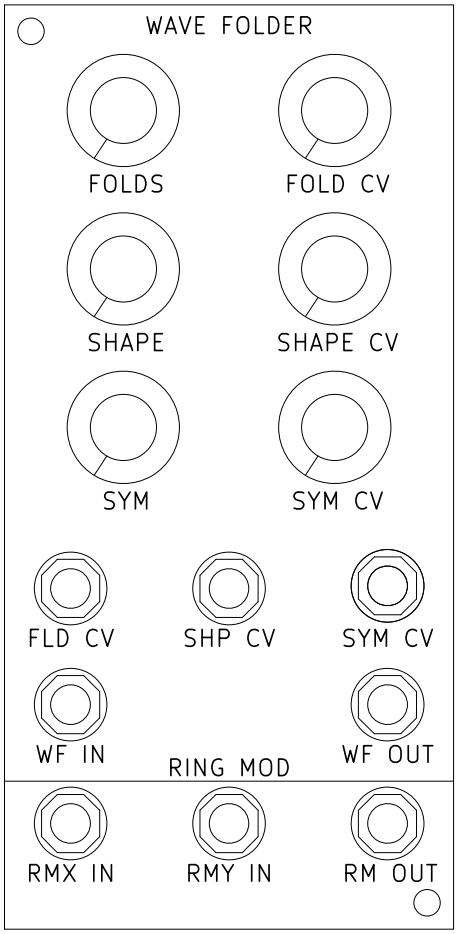
.: Wave Folder User Manual :.

Brief:

Wave folder module with bonus ring-modulator. A wave folder “folds” waves and creates additional harmonics. Manual and voltage control of folds, shape, and symmetry are available. Many waveshapes and sounds are possible with various combinations of folds, shape, and symmetry parameters. The input waveform also plays a large part in the final output, sine wave inputs are typical, but any wave other than pulse waveforms will result in something interesting.

Panel layout:



Description of the controls:

- FOLDS: manual folds control, determines how many folds are created. Note that when this control is all the way down the output will be silenced.
- SHAPE: manual shape control, alters the “squareness” of the folded signal. The maximum amount of “folding” will occur when this control is somewhere near the middle, and the folds parameter is turned up.
- SYM: manual symmetry control, acts as a sort of “soft pulse width” control. Note that certain settings of this control may cause the signal to disappear.
- FOLD CV: attenuator for the FLD CV input signal.
- SHAPE CV: attenuator for the SHP CV input signal.
- SYM CV: attenuator for the SYM CV input signal.

Description of the jacks:

- FLD CV: folds CV input jack.
- SHP CV: shape CV input jack.
- SYM CV: symmetry CV input jack.
- WF IN: wave folder signal input, typically sine wave is patched here, but other waveforms may be interesting as well.
- WF OUT: wave folder output.

Calibration:

This module requires no calibration.

Bonus Ring Modulator:

- RMX IN: ring modulator x-signal input.
- RMY IN: ring modulator y-signal input.
- RM OUT: ring modulator out, the product of x and y.

Current draw:

+12 volts: 25mA

-12 volts: 25mA