BOOMSTAR MODULAR QUADNIC

Parameter Descriptions

Osc Select:	Osc 1 --> Osc 2 --> Osc 3 --> Osc 4 --> All Oscs
	Selects the oscillator to be edited from the front panel.

Master/Slave:	Master <--> Slave
	Selects **Master** or **Slave** mode for Osc 2, 3 or 4. Osc 1 is always in **Master** mode.

Pitch:	With **Master** selected: The pitch of Osc 1, 2, 3 or 4 is controlled by Pitch.
	With **Slave** selected: The pitch of Oscillator 2, 3 or 4 is controlled by Osc 1 pitch. In Slave mode, Pitch detunes Osc 2, 3 or 4 by +/- one octave.

Fine:	**Master:** Fine pitch control.

Chord:	With **All Oscs** and **Master** mode selected: Detunes Osc 1 from 0 to +1 octave; Detunes Osc 2 from 0 to -1 octave; Detunes Osc 3 from 0 to +2 octaves; Detunes Osc 4 from 0 to -2 octaves;
	With **All Oscs** and **Slave** mode selected: From fully anticlockwise to fully clockwise: No effect; 1 octave between oscillators; Octaves and 5ths; Major chord; Minor chord; Dominant 7th; Minor 7th; Major 6th;

Wave:	Selects one of the 16 waveforms from the current **Bank**.

Bank:	Selects one of 4 banks of 16 waveforms.

Process Mode:	The processing mode for each oscillator.
	None No effect
	2x Add Adds a copy of the signal from the oscillator and detunes it using the Process control.
	2x Mul Copies the signal from the oscillator and uses it to modulate the amplitude of the original signal. The Process control also detunes the copied signal.
	2x PM1 Modulates the phase of the oscillator output with a triangle wave. Process controls the frequency of the modulating wave.
	2x PM2 Modulates the phase of the oscillator output with a complex waveform. Process controls the frequency of the modulating wave.
	W Seq Wave Sequencing. Steps through all 64 available waveforms. Process controls the rate of wave sequencing.
	Sync 1 Phase distortion changing the shape of the oscillator signal, and producing a mild sync effect.
	Sync 2 Phase distortion producing a dramatic sync effect.

Process:	Operation depends on the **Process Mode** selected. See Process Mode for descriptions.

Process CV:	Attenuverter applying the **Proc CV** input to the selected oscillator. The centre position is no CV applied; fully to the left is inverted CV; fully to the right it non-inverted CV.

Drive:	Volume/Drive for the selected oscillator. Fully to the left is no output; centre is full volume; fully to the right is further amplification with hard clipping.