

BOOMSTAR MODULAR QUADNIC V2

Parameter Descriptions

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

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| Master/Slave: | Master <--> Slave |
| | Selects Master or Slave mode for Osc 2, 3 or 4. Osc 1 is always in Master mode. |
| | When All Oscs are selected, the Master button selects: Detune mode 1 --> Detune mode 2 --> Chord mode |
| | Detune mode 1 and Chord mode: The front panel controls affect all four oscillators, and CV 1 is applied to all four oscillators. |
| | Detune mode 2: The front panel controls affect all four oscillators, and CVs 1-4 are applied to oscillators 1-4. |

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| 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. |

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| Fine: | Master: Fine pitch control. |
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| Chord: | With All Oscs and Master Detune mode 1 or 2 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; |

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| Wave: | Selects one of the 16 waveforms from the current Bank . |
| Bank: | Selects one of 4 banks of 16 waveforms. |

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| 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. |

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| 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. |
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