MICROFREAK OSCILLATORS CHEATSHEET

TYPE	WAVE	TIMBRE	SHAPE
BasicWaves	Morph	Sym	Sub
	Morphing square -> saw -> 2 saws	*Pulse width or phasing between saws*	*Sine sub*
SuperWave	Wave	Detune	Volume
	Saw, square, triangle or sinus	*Detuning amount*	*Detuned waves amplitude*
Wavetable	Table	Position	Chorus
	Wave selection	*Cycle position*	*Chorus effect amount*
Harmo	Content	Sculpting	Chorus
	Morphing through harmonic amplitude tables	*Morphing between sine and triangle*	*Chorus effect amount*
KarplusStr	Bow	Position	Decay
	Amount of bow applied besides the strike	*Position of the strike on the resonator*	*Amount of resonance*
V.Analog	Detune	Shape	Wave
	Detuning between the two waves	*Morphing from narrow pulse to square to hard sync formants*	*Morphing between triangle and saw*
Waveshaper	Wave	Amount	Asym
	Waveshaper waveform	*Wavefolder amount*	*Waveform asymmetry*
Two Op. FM	Ratio	Amount	Shape
	Frequency ratio between oscillators	*Modulation index*	*Feedback amount of op. 2*
Formant	Interval	Formant	Shape
	Frequency ratio between formants 1 and 2	*Formant frequency*	*Formant width and shape*
Chords	Type	Inv/Transp	Waveform
	Octave, 5th, sus4, m, m7, m9, m11, 6th+9th, M9, M7, M	*Changes inversion and frequency range of the chords*	*Waveform type: [0-50] = string-machine like waveform, [50-100] = 16 wavetables*
Speech	Type	Timbre	Word
	Formants, colors, numbers, letters, words	*Shift the formants up or down*	*Scan through words, depending on Type*
Modal	Inharm	Timbre	Decay
	Amount of inharmonicity	*Excitation brightness and dust density*	*Damping, decay time*
Noise	Wave	Timbre	Shape
	Particle noise to white noise to metallic noise	*Sample rate reduction (+ pitch control for square waves in metallic noise)*	*Morph between noise only (0%), noise+sine (33%), noise+triangle (66%), noise+square (100%)*
BASS	Saturate	Fold	Noise
	Saturation of cosine osc.	*Folding amount*	*Level of noise*
SAWX	Saw Mod	Shape	Noise
	Gain of modulus	*Chorus amount*	*Phase modulation amount*
HARM	Spread	Rectification	Noise
	Partial relation: unison to octave	*Partial rectification*	*Amount of phase-modulated noise*
Vocoder	Wave	Shift	Bandwidth
	[0-11] saw, [11-90] pulse width 50% to 99%, [91-100] noise	*Vocoder frequency range*	*Vocoder's filter bandwidths*