

MicroFreak Cheat Sheet by peehay via cheatography.com/127360/cs/24774/

Oscillator Types				
TYPE	WAVE	TIMBRE	SHAPE	
BasicWaves	Morph	Sym	Sub	
	Morphing from square to saw to 2 saw	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 within wave	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 betweeen triangle and saw	
Waveshaper	Wave	Amount	Asym	
	Waveshaper waveform	Wavefolder amount	Waveform asymmetry	
Two Op. FM	Ratio	Amount	Shape	
	Frequency ratio bewtween oscillators	Modulation index	Feedback amount	
Formant	Interval	Formant	Shape	
	Frequency ratio between formants 1 and 2	Formant frequency	Formant width and shape	
Chords	Туре	Inv/Transp	Waveform	
	Octave, 5h, 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	Туре	Timbre	Word	
	Formants, colors, numbers, letters, words	Shift the formans up or down	Scan through words, depending on Type	
Modal	Inharm	Timbre	Decay	
	Amount of inharmonicity	Excitation brightness and dust density	Damping, decay time	



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Oscillator Types (cont)				
Noise	Tune	Rate	Balance	
	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%)	
Vocoder	Wave	Shift	Bandwidth	
	[0-11] saw, [11-90] pulse width 50% to 99%, [91-100] noise	Vocoder frequency range	Vocoder's filer bandwidths	



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