

RETROSKOI+ USER REFERENCE



Retroskoi Plus is a 2-oscillator monophonic synth for Commodore 64. This enhanced Plus version exclusive to the RGCD Redrunner & Greenrunner cartridge comes with additional preset sounds, a wider keyboard range and full PAL/NTSC compatibility.

PRESETS

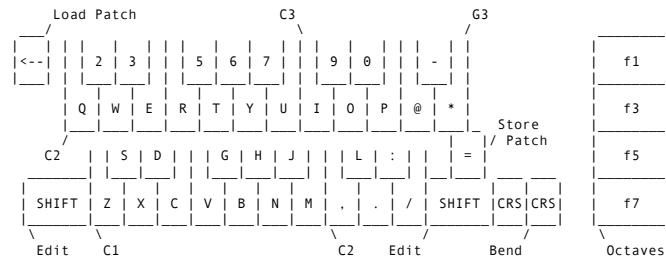
Press and hold SHIFT, then press <- followed by 1-9 or A-P to load presets.

1 Synth Lead	A Resonance Bass	J Popcorn
2 Smooth Tap	B Sawtooth Sweep	K Percussion
3 Transistor Organ	C Solid Round Synth	L Hoover Bass
4 Synth Brass	D Muted Bass	M Synth Vox
5 Ringmod Bell	E Membrane	N Pure Pulse Mod
6 Fat Octave Bass	F Discovery	O Sawtooth Lead
7 Inca Fifth	G Power Chord	P Dream Triangle
8 Sweep Pad	H Beautiful Synth	
9 Snowstorm	I Big Drum	

Some presets may sound a little harsh or distorted on older SID chips. Maybe that's exactly what you want, but if it isn't try changing the Resonance parameter (P) to a lower value of 1-3.

KEYBOARD

F1 - F7 to change keyboard octave. F5 is the default. Cursor keys to bend. Who needs MIDI when you have such a beautiful typewriter keyboard to play with!



EDITING PATCHES

Hold down either Shift key to edit sound parameters. Shift Lock works too. Release Shift to play notes and hear your edits in action.

Shift + A-P to select parameter.

Shift + 1-9 to change the parameter value.

Shift + <- (arrow left), then Shift + 1-9 or A-P to load a patch.

Shift + =, then Shift + 1-9 to store your patch.

The extended slots A-P are always preset sounds. You can store your own patches only to locations 1-9. Patches are stored in RAM, so they are gone when you next time boot up the synthesizer.

If you need to recall your own sounds just write down all the parameters on a piece of paper (A2 B3 C5 D1, etc. :)

PARAMETER TABLE

After getting used to it you can edit sounds even without using a monitor. Just memorize this simple chart:

A	OSC1 Waveform	1	2	3	4	5	6	7	8	9
B	OSC1 Envelope	Tri	Saw	Pulse	Noise	T+S	T+P	T+S+P	Mute	Off
C	OSC1 Transpose	Gate	Synth	Pluck	Tap	Brass	Slow	Revr	Soft	Bell
		-24	-17	-12	-5	0	+7	+12	+19	+24
D	OSC2 Waveform	Tri	Saw	Pulse	Noise	T/Snc	S/Snc	P/Snc	Ring	Off
E	OSC2 Envelope	Gate	Synth	Pluck	Tap	Brass	Slow	Revr	Soft	Bell
F	OSC2 Transpose	-24	-17	-12	-5	0	+7	+12	+19	+24
G	OSC2 Detune	1	2	3	4	5	6	7	8	9
H	Pulse Width	1	2	3	4	5	6	7	8	9
I	LFO Rate	1	2	3	4	5	6	7	8	9
J	LFO Vibrato	1	2	3	4	5	6	7	8	9
K	LFO PWM	1	2	3	4	5	6	7	8	9
L	Filter Envelope	Gate	Synth	Pluck	Tap	Brass	Slow	Revr	Soft	Bell
M	Filter Cutoff	1	2	3	4	5	6	7	8	9
N	Filter Modulation	1	2	3	4	5	6	7	8	9
O	Filter Type	LPF	BPF	HPF	LB	LH	LBH	BH	LPQ*	LBQ*
P	Filter Resonance	1	2	3	4	5	6	7	8	9

*LPQ and LBQ are same as LPF and LB, except slightly quieter

AUDIO CONNECTOR

Pinouts facing the rear of the computer:

1	Luminance	8	7		
2	GROUND	3	6	1	Your Retroskoi+
3	AUDIO OUT	5	4	4	output plug here!
4	Composite				
5	Audio in (disabled in Retroskoi+)				
6	Chroma				
7	No connection				
8	Power (on some models)				

Early C64 5-pin DIN
Later C64 (and C128) 8-pin DIN