

SHORTCUT KEYS

KEYBOARD CONTROLS

The top two rows of the Commodore's keys function as a piano keyboard and are configured to be compatible with the piano keyboard overlay that was produced in the 80s, often marketed as the "Incredible Musical Keyboard". The top number row is the black piano keys and the QWERTY row is the white piano keys. Notes can be locked using the SHIFT LOCK button. The Commodore 64's other keys are used to select patches and change settings as indicated in the following tables.

KEY	BY ITSELF	WITH SHIFT	WITH CTRL
A	filterbass(#10)	NoteAttack=0	NoteRelease=0
S	sweeparp(#11)	NoteAttack=5	NoteRelease=5
D	pluckarp(#12)	NoteAttack=8	NoteRelease=8
F	slowarp(#13)	VideoPattern1	PolyMode(default)
G	filterstack1(#14)	VideoPattern2	5thsMode
H	filterstack2(#15)	VideoPattern3	5thsPortMode
J	pulsar(#16)	VideoOn	Mono1Mode
K	vibratolead(#17)	VideoIfSound	Arp1Mode
L	slowrise(#18)	VideoOff	Arp2Mode
.	bendecho(#19)	FullScreenOn	Arp3Mode
,	arplead(#20)	FullScreenOff	Arp4Mode
=	6-voicesaw(#21)		Arp5Mode
RETURN	HelpPage	ClearModulation	6-ChannelMode
Z	sawbass(#0)	TremoloSpeed=0	FXOff
X	grittybass(#1)	TremoloSpeed=1	FilterFX1
C	portamento5th(#2)	TremoloSpeed=2	FilterFX2
V	sawportamnto(#3)	TremoloSpeed=3	FilterFX3
B	pulse5th(#4)	TremoloLevel=0	FilterFX4
N	pulsehigh(#5)	TremoloLevel=1	FilterFX5
M	trianglehi/lo(#6)	TremoloLevel=2	PulseFX1
	triangledrop(#7)	TremoloLevel=3	PulseFX2
	sidexplosion(#8)		PulseFX3
/	mute(#9)		
cursorup/down	5thsModeOff	Paddle1=Off	
cursorleft/right	5thsModeOn	Paddle1=Filter	Mono2Mode
SPACE	BendPitch		
F1	OctaveHighest	Portamento=3	Volume=9
F3	OctaveHigh	Portamento=2	Volume=6
F5	OctaveLow	Portamento=1	Volume=4
F7	OctaveLowest	PortamentoOff	Volume=0
backarrow	Custom Patch		

KEYBOARD CONTROLS (CONT)

KEY	WITH C= KEY	WITH RUNSTOP
A	FilterCutoff=0	Tuning=-40
S	FilterCutoff=1	Tuning=-30
D	FilterCutoff=2	Tuning=-20
F	FilterCutoff=3	Tuning=-10
G	FilterCutoff=4	Tuning=0
H	FilterCutoff=5	Tuning=+10
J	FilterCutoff=6	Tuning=+20
K	FilterCutoff=7	Tuning=+30
L		Tuning=+40
;		Tuning=+50
Z	FilterOn	Laser Bass (#22)
X	FilterOff	Trombone Blast (#23)
C	FilterDisabled	Noisy Square Arp (#24)
V	Paddle2=Off	Triangle Sync (#25)
B	Paddle2=PulseWidth	Mono Sync Echo (#26)
N	Paddle2=LFO Speed	Clean Saw (#27)
M	Paddle2=PitchBend	Clean Triangle (#28)
.	MIDichannel=omni	Clean Square (#29)
,	MIDichannel=1	
/	MIDichannel=5	
F1		Open Sid Editor (Keyboard)
F3		Sid Editor Save
F7		Open Sid Editor (Piano)

MIDI CONTROLS

Cynthcart supports MIDI input through a DATEL or Kerberos MIDI interface cartridge. It responds to note data, patch changes, pitch bend, and various controllers. By default Cynthcart listens on all MIDI channels (omni mode) but single channels can also be selected. MIDI patch numbers are listed in the keyboard chart beside the patch names, and the chart below lists the Cynthcart MIDI controller numbers.

CC#	PARAMETER	CC#	PARAMETER
0	FilterResonance	7	Volume
1 (wheel)	FilterCutoff	8	TremoloDepth
2	ChooseVoiceMode	9	TremoloSpeed
3	ChooseFXMode	13	OscWaveform (allvoices)
4	Attack	14	OscWaveform (voice2only)
5	Release	15	OscWaveform (voice3only)
6	PulseWidth		