SIEL DK-70

Parameters
and
MIDI Control Change



Note: The MIDI switch in the MASTERS section must be set to EXT.

Thanks to www.emismusic.co.uk/museum/Siel/EX80/SielExpander80.html and Tinyloops.com

SIEL DK-80 - Parameters and MIDI Control Change

DEG VCA A

N°	PARAMETER	CC#	RANGE
01	ATTACK	**12**	0-15
02	DECAY	**13**	0-15
03	BREAK POINT	**14**	0-15
04	SLOPE	**15**	0-15
05	SUSTAIN	**16**	0-15
06	RELEASE	**17**	0-15
07	DAMP PEDAL	**19**	0=OFF - 1=ON

DCO MODE

N°	PARAMETER	CC#	RANGE
08	DCO MODE	**20**	1=WHOLE - 2=DOUBLE

DEG VCA B

N°	PARAMETER	CC#	RANGE
11	ATTACK	**21**	0-15
12	DECAY	**22**	0-15
13	BREAK POINT	**23**	0-15
14	SLOPE	**24**	0-15
15	SUSTAIN	**25**	0-15
16	RELEASE	**26**	0-15
17	DAMP PEDAL	**28**	0=OFF - 1=ON

DETUNE

N°	PARAMETER	CC#	RANGE
21	INTERVAL	**29**	0-61
22**	FINE	**30**	0-15

NOISE

N°	PARAMETER	CC#	RANGE
23	LEVEL	**31**	0-15
24	DESTINATION	**32**	1=VCA - 2=VCF

DEG VCF

N°	PARAMETER	CC#	RANGE
31	ATTACK	**33**	0-15
32	DECAY	**34**	0-15
33	BREAK POINT	**35**	0-15
34	SLOPE	**36**	0-15
35	SUSTAIN	**37**	0-15
36	RELEASE	**38**	0-15

LFO2

N°	PARAMETER	CC#	RANGE
41	FREQUENCY	**40**	0-15
42	FINAL LEVEL	**41**	0-15
43	INITIAL LEVEL	**42**	0-15
44	DELAY TIME	**43**	0-15
45	DELAY MODE	**44**	1=MANUAL - 2=AUTO
46	WAVE	**45**	1=TRI - 2=SQUARE

LFO1

N°	PARAMETER	CC#	RANGE
51	FREQUENCY	**46**	0-15
52	FINAL LEVEL	**47**	0-15
53	INITIAL LEVEL	**48**	0-15
54	DELAY TIME	**49**	0-15
55	DELAY MODE	**50**	1=MANUAL - 2=AUTO

DCO

N°	PARAMETER	CC#	RANGE
62	WAVE	**51**	0=OFF - 1=SQR - 2=SAW
63	SAW FEET	**52**	1=16' - 2=8' - 3=4'
64	SQUARE 16'	**53**	0-15
65	SQUARE 8'	**54**	0-15
66	SQUARE 4'	**55**	0-15
67	SQUARE 2'	**56**	0-15

VCF

N°	PARAMETER	CC#	RANGE
71	CUTOFF	**57**	0-99
72	RESONANCE	**58**	0-15
73	KBD TRACK	**59**	0=OFF - 1=HALF - 2=FULL
74	TRIG	**60**	1=SINGLE - 2=MULTI
75	DEG LEVEL	**61**	0-15

CHORUS

N°	PARAMETER	CC#	RANGE
81**	CHORUS	**62**	0=OFF - 1=ON

VOLUME

N°	PARAMETER	CC#	RANGE
82	VOLUME	**63**	0-15

MISC

N°	PARAMETER	CC#	RANGE
91	WRITE	-	0=DISABLE - 1=ENABLE
92	SEQUENCER CLOCK	-	1=INTERNAL - 2=EXTERNAL - 3=MIDI
93	OMNI MODE	-	0=OFF - 1=ON
94	RECEIVE CHANNEL	-	1-16
95	PEDAL DESTINATION	-	0=OCT UP - 1=KEY DATA TO MIDI - 2=PROG UP - 3=SEQ
96	SEQUENCER DATA	-	00=INTERNAL - 01=EXTERNAL
97	METRONOME	-	0=OFF - 1=ON
98	DYNAMICS RX	-	0=OFF - 1=ON
99	DYNAMICS TX	-	0-15

** [CC30, CC62] There seems to be a bug in the MIDI controller reception with the Expander 80, unless there ever was an operating system update, Parameter 22 (Detune Fine) and Parameter 81 (Chorus) cannot be controlled by their associated controllers (CC30 and CC62). When receiving MIDI CC30, the Expander 80's display changes to show the incoming data, but the actual detuning (chorus speeed) does not change, same with CC62. Maybe this was corrected in a software revision.

*** [64] MIDI Controller 65 is the Manual LFO trigger control, this is a hang over from the DK80 keyboard version, that had a trigger switch (rather than a mod wheel). Controller 65 is usually the second pedal function (although perhaps the standard controller CC1 would have made more sense - never mind.....).