

Date: 02/10/2001 / Rev. 1.04

Run without MIDI:

The Minimoog works as a normal Minimoog. The only one difference is the MODULATION MIX pot. ***If the pot is on NOISE position and the EXT INPUT switch is on the ON position the internal LFO of the interface is active.***

NOISE is on the MODULATION MIX pot when the EXT INPUT switch is on the OFF position.

Run with MIDI:

After you switch on the Minimoog the MIDI interface receives data bytes on channel 1. If you wish to change the channel you have to send a program change (1 to 16) on MIDI channel 1. It is a good idea to turn the modulation wheel to the center position, turn on the GLIDE switch and turn off the DECAY switch that you can control them via MIDI.

Program Change Table

Program Number	Function
1 M *-	switches the interface to MIDI-channel 1
2 M	switches the interface to MIDI-channel 2
3 M	switches the interface to MIDI-channel 3
4 M	switches the interface to MIDI-channel 4
5 M	switches the interface to MIDI-channel 5
6 M	switches the interface to MIDI-channel 6
7 M	switches the interface to MIDI-channel 7
8 M	switches the interface to MIDI-channel 8
9 M	switches the interface to MIDI-channel 9
10 M	switches the interface to MIDI-channel 10
11 M	switches the interface to MIDI-channel 11
12 M	switches the interface to MIDI-channel 12
13 M	switches the interface to MIDI-channel 13
14 M	switches the interface to MIDI-channel 14
15 M	switches the interface to MIDI-channel 15
16 M	switches the interface to MIDI-channel 16
17 M *-	program change enable --> ON
18 M	program change disable --> ON (only program change 17 pass the filter to enable this mode)
19 M	velocity controls VOLUME

Program Number		Function
20	M	after touch controls VOLUME
21	M	foot pedal controls VOLUME (Controller 7)
22	M *-	maximum VOLUME
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23	M	controller 2/4 controls VOLUME --> ON (only, if VOLUME control is OFF)
24	M *-	controller 2/4 controls VOLUME --> OFF
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25	M	velocity controls FILTER CUTOFF
26	M	after touch controls FILTER CUTOFF
27	M	mod.-pedal controls FILTER CUTOFF (Controller 2/4)
28	M	mod.-wheel controls FILTER CUTOFF (Controller 1)
29	M *-	FILTER CUTOFF control --> OFF
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30	M	after touch controls Mod.-Wheel --> ON
31	M *-	after touch controls Mod.-Wheel --> OFF
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32	M *-	pitch bend range has +/- 3 semitones
33	M	pitch bend range has +/- 6 semitones
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34	M *-	lower key priority
35	M	higher key priority
36	M *-	keyboard works normally
37	M	keyboard works inverted (higher key <=> lower note)
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38	M	mod.-wheel controls keyboard --> ON
39	M *-	mod.-wheel controls keyboard --> OFF
40	M	mod.-wheel set the LFO speed push and hold a key on your master keyboard, turn on the mod.-wheel and send program change 40. Now you can set the LFO speed with the mod.-wheel of your master keyboard. After you let go of the key the mod.-wheel runs as normal as before.
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41	S *-	LFO triangle
42	S	LFO sawtooth falling
43	S	LFO sawtooth rising
44	S	LFO square wave 50% pulse width
45	S	LFO square wave 25% pulse width
46	S	LFO square wave 12.5% pulse width
47	S	LFO Random (Sample & Hold)

Program Number		Function
48	S *-	LFO positive
49	S	LFO negative
50	S *-	LFO speed 1/1 (approx. 6Hz)
51	S	LFO speed 1/10 (approx. 0.6Hz)
52	S	LFO speed 1/100 (approx. 0.06Hz)
53	M	LFO trigger --> ON (pressing a key resets the LFO)
54	M *-	LFO-trigger --> OFF
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55	M *-	MONO keyboard mode
56	M	POLY keyboard mode preset (value 1-8 in ROM)
57	M	POLY keyboard mode --> active at the 1. key
58	M	POLY keyboard mode --> active at the 2. key
59	M	POLY keyboard mode --> active at the 3. key
60	M	POLY keyboard mode --> active at the 4. key
61	M	POLY keyboard mode --> active at the 5. key
62	M	POLY keyboard mode --> active at the 6. key
63	M	POLY keyboard mode --> active at the 7. key
64	M	POLY keyboard mode --> active at the 8. key (in the POLY modes it's possible to play max. 8 monophonic synthesizers polyphonic. Preset is a value from 1-8 which is burned in the processors Eprom. Normally this value is 1)
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65	M	System reset (after receiving this program change the interface needs 0.25 sec. time for accepting the following MIDI bytes)

- M = only MIDI data controls the function
S = the Minimoog mod.-wheel can use this function too
- *- = default values after power on

technical description:

Power supply	+/- 10 Volt, 50mA
Key range	64 semitones C1 to #D6
Pitch Bend range	max. +/- 6 semitones, 14 bit resolution
Volume CV	0 to 5 Volt
Filter CV	0 to 5 Volt
LFO CV	+/- 2 Volt triangle, sawtooth falling, sawtooth rising, square wave 50%, square wave 25%, square wave 12.5%, Random