

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