



MOOG MATRIARCH V1.0.0
MIDI DOCUMENTATION

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1 - Basic Information	Transmit / Export	Recognize / Import	Remarks
MIDI Channels	1 - 16	1 - 16	
Note Numbers	0 - 127	0 - 127	
Program Change	1 - 12	1 - 12	Selects saved sequences
Bank Select Response	No	No	
Modes Supported: Mode 1: Omni-On, Poly	No	No	
Mode 2: Omni-On, Mono	No	No	
Mode 3: Omni-Off, Poly	Yes	Yes	
Mode 4: Omni-Off, Mono	Yes	Yes	
Multi Mode	No	No	
Note-On Velocity	Yes	Yes	
Note-Off Velocity	No	No	
Channel Aftertouch	Yes	Yes	
Poly (Key) Aftertouch	No	No	
Pitch Bend	Yes	Yes	
Active Sensing	No	No	
System Reset	No	No	
Tune Request	No	No	
Universal SysEx: Sample Dump Standard	No	No	
Device Inquiry	No	Yes	
File Dump	No	No	
MIDI Tuning	No	Yes	

MIDI DOCUMENTATION *(Continued)*

1 - Basic Information	Transmit / Export	Recognize / Import	Remarks
Master Volume	No	No	
Master Balance	No	No	
Notation Information	No	No	
Turn GM1 System On	No	No	
Turn GM2 System On	No	No	
Turn GM System Off	No	No	
DLS-1	No	No	
File Reference	No	No	
Controller Destination	No	No	
Key-based Instrument Ctrl	No	No	
Master Fine/Coarse Tune	No	Yes	
Other Universal System Exclusive	No	No	
Manufacturer or Non-Commercial System Exclusive	Yes*	Yes*	*No documentation for manufacturer sysex at this time (factory calibration etc)
NRPNS	No	No	
RPN 00 (Pitch Bend Sensitivity)	No	Yes	
RPN 01 (Channel Fine Tune)	No	Yes	
RPN 02 (Channel Coarse Tune)	No	Yes	
RPN 03 (Tuning Program Select)	No	Yes	Values 0-32 are valid; 0 = standard tuning (12-tone equal temperament). 1-32 are available for user storage of tunings using the MIDI Tuning Standard
RPN 04 (Tuning Bank Select)	No	No	
RPN 05 (Modulation Depth Range)	No	No	

MIDI DOCUMENTATION *(Continued)*

2 - MIDI Timing and Synchronization	Transmit / Export	Recognize / Import	Remarks
MIDI Clock	Yes	Yes	
Song Position Pointer	No	Yes	
Song Select	No	No	
Start	Yes	Yes	
Continue	No	Yes	
Stop	Yes	Yes	
MIDI Time Code	No	No	
MIDI Machine Control	No	No	
MIDI Show Control	No	No	

3 - Extensions Compatibility	Transmit / Export	Recognize / Import	Remarks
General MIDI Compatible (Level(s) / No)	No	No	
Is GM default power-up mode (Level / No)	No	No	
DLS Compatible (Level(s) / No)	No	No	
DLS File Type(s) / No	No	No	
Standard MIDI Files (Type(s) / No)	No	No	
XMF Files (Type(s) / No)	No	No	
SP-MIDI Compatible	No	No	
MIDI Machine Control	No	No	
MIDI Show Control	No	No	

MIDI DOCUMENTATION *(Continued)*

MIDI Continuous Controller (CC) Mapping:

Parameter	CC Number (MSB)	CC Number (LSB)	Values
Mod Wheel	1	33	MIN TO MAX (0 TO 16383)
Mod Rate	3	35	MIN TO MAX (0 TO 16383)
Glide Time	5	37	MIN TO MAX (0 TO 16383)
Arp Rate	8	40	MIN TO MAX (0 TO 16383)
Noise Filter Cutoff	9	41	MIN TO MAX (0 TO 16383)
Delay Time	12	44	MIN TO MAX (0 TO 16383)
Delay Spacing	13	45	MIN TO MAX (0 TO 16383)
Arp Swing	14	46	MIN TO MAX (0 TO 16383)
Arp Gate Length	15	47	MIN TO MAX (0 TO 16383)
Osc 2 Frequency	16	48	MIN TO MAX (0 TO 16383)
Osc 3 Frequency	17	49	MIN TO MAX (0 TO 16383)
Osc 4 Frequency	18	50	MIN TO MAX (0 TO 16383)
Sustain Pedal	64	-	0-63 = OFF, 64-127 = ON
Glide On	65	-	0-63 = OFF, 64-127 = ON
Arp Latch	69	-	0-63 = OFF, 64-127 = ON
Arp Play	73	-	0-63 = OFF, 64-127 = ON
Osc 1 Octave	74	-	0-31 = 16', 32-63 = 8', 64-95 = 4', 96-127 = 2'
Osc 2 Octave	75	-	0-31 = 16', 32-63 = 8', 64-95 = 4', 96-127 = 2'
Osc 3 Octave	76	-	0-31 = 16', 32-63 = 8', 64-95 = 4', 96-127 = 2'
Osc 4 Octave	77	-	0-31 = 16', 32-63 = 8', 64-95 = 4', 96-127 = 2'

MIDI DOCUMENTATION *(Continued)*

MIDI Continuous Controller (CC) Mapping:

Parameter	CC Number (MSB)	CC Number (LSB)	Values
Hard Sync Enable	80	-	0-63 = OFF, 64-127 = ON
Osc 2 Sync	81	-	0-63 = OFF, 64-127 = ON
Osc 3 Sync	82	-	0-63 = OFF, 64-127 = ON
Osc 4 Sync	83	-	0-63 = OFF, 64-127 = ON
Glide Type	85	-	0-42 = LCR, 43-84 = LCT, 85-127 = EXP.
Gated Glide	86	-	0-63 = OFF, 64-127 = ON
Legato Glide	87	-	0-63 = OFF, 64-127 = ON
Delay Ping Pong	88	-	0-63 = OFF, 64-127 = ON
Delay Sync	89	-	0-63 = OFF, 64-127 = ON
Square LFO Polarity	90	-	0-63 = UNIPOLAR, 64-127 = BIPOLAR
Arp Mode	91	-	0-42 = ARP, 43-84 = SEQ, 85-127 = REC
Arp Pattern	92	-	0-42 = ORDER, 43-84 = FW/BW, 85-127 = RANDOM
Arp Range / Bank	93	-	0-42 = 1, 43-84 = 2, 85-127 = 3
Paraphony Voice Mode	94	-	0-42 = 1 VOICE, 43-84 = 2 VOICE, 85-127 = 4 VOICE
Multi Trig	95	-	0-63 = OFF, 64-127 = ON
KB Octave	105	-	0-25 = -2, 26-50 = -1, 51-76 = 0, 77-101 = +1, 102-127 = +2