



AMI - midi interface

for guitar amplifiers

midi implementation

rev. 1.0 [11.2020]

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Below are listed midi settings tables for supported Mesa Boogie amps.

You can also use an online midi calculator tool on our website.

<https://emcustom.eu/midi-interface.html>

PROGRAM CHANGE switching

Channel	SOLO	EQ	PC
GREEN	○	○	0
	●	○	1
	○	●	2
	●	●	3
RED	○	○	4
	●	○	5
	○	●	6
	●	●	7

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	63..127
SOLO	81	○	●
EQ	82	○	●
CH	83	GREEN	RED

○ = OFF ; ● = ON

Mesa Boogie Mark V

PROGRAM CHANGE switching

REVERB	SOLO	EQ	FX	MUTE	CH1	CH2	CH3
					PC		
○	○	○	○	○	0	32	64
●	○	○	○	○	1	33	65
○	●	○	○	○	2	34	66
●	●	○	○	○	3	35	67
○	○	●	○	○	4	36	68
●	○	●	○	○	5	37	69
○	●	●	○	○	6	38	70
●	●	●	○	○	7	39	71
○	○	○	●	○	8	40	72
●	○	○	●	○	9	41	73
○	●	○	●	○	10	42	74
●	●	○	●	○	11	43	75
○	○	●	●	○	12	44	76
●	○	●	●	○	13	45	77
○	●	●	●	○	14	46	78
●	●	●	●	○	15	47	79
○	○	○	○	●	16	48	80
●	○	○	○	●	17	49	81
○	●	○	○	●	18	50	82
●	●	○	○	●	19	51	83
○	○	●	○	●	20	52	84
●	○	●	○	●	21	53	85
○	●	●	○	●	22	54	86
●	●	●	○	●	23	55	87
○	○	○	●	●	24	56	88
●	○	○	●	●	25	57	89
○	●	○	●	●	26	58	90
●	●	○	●	●	27	59	91
○	○	●	●	●	28	60	92
●	○	●	●	●	29	61	93
○	●	●	●	●	30	62	94
●	●	●	●	●	31	63	95

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
Ch 1	76	-	●
Ch 2	77	-	●
Ch 3	78	-	●
SOLO	79	○	●
REVERB	80	○	●
MUTE	81	○	●
EQ	82	○	●
FX	83	○	●
SOLO	84	○	●

PROGRAM CHANGE switching

SOLO	EQ	REVERB	CH1	CH2	CH3
			PC		
○	○	○	0	8	16
●	○	○	1	9	17
○	●	○	2	10	18
●	●	○	3	11	19
○	○	●	4	12	20
●	○	●	5	13	21
○	●	●	6	14	22
●	●	●	7	15	23

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
Ch 1	76		●
Ch 2	77		●
Ch 3	78		●
SOLO	80	○	●
EQ	81	○	●
REVERB	82	○	●

Mesa Boogie Dual Rectifier (BigFoot)

PROGRAM CHANGE switching

SOLO	FX	CH1	CH2	CH3
		PC		
○	○	0	4	8
●	○	1	5	9
○	●	2	6	10
●	●	3	7	11

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
Ch 1	76	-	●
Ch 2	77	-	●
Ch 3	78	-	●
SOLO	79	○	●
FX	80	○	●

Mesa Boogie Roadster

PROGRAM CHANGE switching

MUTE	REVERB	SOLO	LOOP	CH1	CH2	CH3	CH4
				PC			
○	○	○	○	64	80	96	112
○	○	○	●	65	81	97	113
○	○	●	○	66	82	98	114
○	○	●	●	67	83	99	115
○	●	○	○	68	84	100	116
○	●	○	●	69	85	101	117
○	●	●	○	70	86	102	118
○	●	●	●	71	87	102	119
●	○	○	○	72	88	103	120
●	○	○	●	73	89	105	121
●	○	●	○	74	90	106	122
●	○	●	●	75	91	107	123
●	●	○	○	76	92	108	124
●	●	○	●	77	93	109	125
●	●	●	○	78	94	110	126
●	●	●	●	79	95	111	127

CONTROL CHANGE switching

Function	CC number	CC value	
		0 - 62	64 - 127
Ch 1	76	-	●
Ch 2	77	-	●
Ch 3	78	-	●
Ch 4	79	-	●
LOOP	80	○	●
SOLO	81	○	●
MUTE	82	○	●
REVERB	83	○	●

Mesa Boogie Roadking 2

PROGRAM CHANGE switching

TUNER / MUTE	REVERB	SOLO	LOOP1	LOOP2	CH1	CH2	CH3	CH4
					PC			
○	○	○	○	○	0	32	64	96
○	○	○	○	●	1	33	65	97
○	○	○	●	○	2	34	66	98
○	○	○	●	●	3	35	67	99
○	○	●	○	○	4	36	68	100
○	○	●	○	●	5	37	69	101
○	○	●	●	○	6	38	70	102
○	○	●	●	●	7	39	71	103
○	●	○	○	○	8	40	72	104
○	●	○	○	●	9	41	73	105
○	●	○	●	○	10	42	74	106
○	●	○	●	●	11	43	75	107
○	●	●	○	○	12	44	76	108
○	●	●	○	●	13	45	77	109
○	●	●	●	○	14	46	78	110
○	●	●	●	●	15	47	79	111
●	○	○	○	○	16	48	80	112
●	○	○	○	●	17	49	81	113
●	○	○	●	○	18	50	82	114
●	○	○	●	●	19	51	83	115
●	○	●	○	○	20	52	84	116
●	○	●	○	●	21	53	85	117
●	○	●	●	○	22	54	86	118
●	○	●	●	●	23	55	87	119
●	●	○	○	○	24	56	88	120
●	●	○	○	●	25	57	89	121
●	●	○	●	○	26	58	90	122
●	●	○	●	●	27	59	91	123
●	●	●	○	○	28	60	92	124
●	●	●	○	●	29	61	93	125
●	●	●	●	○	30	62	94	126
●	●	●	●	●	31	63	95	127

CONTROL CHANGE switching

Function	CC number	CC value	
		0 - 62	64 - 127
Ch 1	76	-	●
Ch 2	77	-	●
Ch 3	78	-	●
Ch 4	79	-	●
REVERB	80	○	●
MUTE	81	○	●
LOOP 1	82	○	●
LOOP 2	83	○	●
SOLO	84	○	●

PROGRAM CHANGE switching

Channel	Contour	Reverb	PC
○	○	○	0
○	○	●	1
○	●	○	2
○	●	●	3
●	○	○	4
●	○	●	5
●	●	○	6
●	●	●	7

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
Reverb	81	○	●
Contour	82	○	●
Channel	83	○	●

○ = OFF ; ● = ON

PROGRAM CHANGE switching

Channel	LOOP	EQ	PC (0 - 127)
R1	○	○	0
	○	●	1
	●	○	2
	●	●	3
R2	○	○	4
	○	●	5
	●	○	6
	●	●	7
LD	○	○	8
	○	●	9
	●	○	10
	●	●	11
LD + EQ	○	○	N/A
	○	●	13
	●	○	N/A
	●	●	15

CONTROL CHANGE switching

Function	CC number (0 - 127)	CC value	
		0..62	64..127
Ch R1	77	-	●
Ch R2	78	-	●
Ch LD	79	-	●
Ch LD+EQ	80	-	●
EQ	81	○	●
LOOP	82	○	●

PROGRAM CHANGE switching

R2	T2	R1	T1	PC
○	○	○	○	0
○	○	○	●	1
○	○	●	○	2
○	○	●	●	3
○	●	○	○	4
○	●	○	●	5
○	●	●	○	6
○	●	●	●	7
●	○	○	○	8
●	○	○	●	9
●	○	●	○	10
●	○	●	●	11
●	●	○	○	12
●	●	○	●	13
●	●	●	○	14
●	●	●	●	15

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
T1	80	○	●
R1	81	○	●
T2	82	○	●
R2	83	○	●

PROGRAM CHANGE switching

FX	LEAD	CRUNCH	CLEAN	PC
○	○	○	●	0
○	○	●	○	1
○	●	○	○	2
●	○	○	●	3
●	○	●	○	4
●	●	○	○	5

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
CLEAN	80	–	●
CRUNCH	81	–	●
LEAD	82	–	●
FX	83	○	●