



AMI - midi interface

for guitar amplifiers

midi implementation

[04.2024]

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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	64..127
SOLO	81	○	●
EQ	82	○	●
CH	83	GREEN	RED

○ = OFF ; ● = ON

PROGRAM CHANGE switching

Channel	REVERB	CONTOUR	PC
RED	○	○	0
	●	○	1
	○	●	2
	●	●	3
GREEN	○	○	4
	●	○	5
	○	●	6
	●	●	7

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
REVERB	81	○	●
CONTOUR	82	○	●
CH	83	RED	GREEN

○ = OFF ; ● = ON

PROGRAM CHANGE switching

SOLO	EQ	REV	CH	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
REV	80	○	●
SOLO	81	○	●
EQ	82	○	●
CH	83	GREEN	RED

CC value 63 = toggle channel

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	-	●
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/Triple 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 Dual Rectifier Multi Watt

PROGRAM CHANGE switching

FX	SOLO	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

CONTROL CHANGE switching

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

PROGRAM CHANGE switching

EQ1	EQ2	EXT	R1	R2	L1	L2
			PC			
○	○	○	0	4	8	12
●	○	○	1	5	9	13
○	●	○	2	6	10	14
●	●	○	3	7	11	15
○	○	●	16	20	24	28
●	○	●	17	21	25	29
○	●	●	18	22	26	30
●	●	●	19	23	27	31

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
R1	76	-	●
R2	77	-	●
L1	78	-	●
L2	79	-	●
EQ1	80	○	●
EQ2	81	○	●
EXT	82	○	●

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

Mesa Boogie Mark IV

PROGRAM CHANGE switching

SIM	REVERB	LOOP	EQ	RHY1	RHY2	LD	LD+EQ
				PC (0 - 127)			
○	○	○	○	0	4	8	N/A
○	○	○	●	1	5	9	13
○	○	●	○	2	6	10	N/A
○	○	●	●	3	7	11	15
○	●	○	○	16	20	24	N/A
○	●	○	●	17	21	25	29
○	●	●	○	18	22	26	N/A
○	●	●	●	19	23	27	31
●	○	○	○	32	36	40	N/A
●	○	○	●	33	37	41	45
●	○	●	○	34	38	42	N/A
●	○	●	●	35	39	43	47
●	●	○	○	48	52	56	N/A
●	●	○	●	49	53	57	61
●	●	●	○	50	54	58	N/A
●	●	●	●	51	55	59	63

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	○	●

* The extended adapter cable is required for this option

PROGRAM CHANGE switching

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

CONTROL CHANGE switching

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

○ = OFF ; ● = ON

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

Rel1 [T1]	Rel2 [R1]	Rel3 [T2]	Rel4 [R2]	Rel5 [T3]	Rel6 [R3]	PC
TRS 1 (dot marked)		TRS 2		TRS 3		
○	○	○	○	○	○	0
●	○	○	○	○	○	1
○	●	○	○	○	○	2
●	●	○	○	○	○	3
○	○	●	○	○	○	4
●	○	●	○	○	○	5
○	●	●	○	○	○	6
●	●	●	○	○	○	7
○	○	○	●	○	○	8
●	○	○	●	○	○	9
○	●	○	●	○	○	10
●	●	○	●	○	○	11
○	○	●	●	○	○	12
●	○	●	●	○	○	13
○	●	●	●	○	○	14
●	●	●	●	○	○	15
○	○	○	○	●	○	16
●	○	○	○	●	○	17
○	●	○	○	●	○	18
●	●	○	○	●	○	19
○	○	●	○	●	○	20
●	○	●	○	●	○	21
○	●	●	○	●	○	22
●	●	●	○	●	○	23
○	○	○	●	●	○	24
●	○	○	●	●	○	25
○	●	○	●	●	○	26
●	●	○	●	●	○	27
○	○	●	●	●	○	28
●	○	●	●	●	○	29
○	●	●	●	●	○	30
●	●	●	●	●	○	31
○	○	○	○	○	●	32
●	○	○	○	○	●	33
○	●	○	○	○	●	34
●	●	○	○	○	●	35
○	○	●	○	○	●	36
●	○	●	○	○	●	37
○	●	●	○	○	●	38
●	●	●	○	○	●	39
○	○	○	●	○	●	40
●	○	○	●	○	●	41
○	●	○	●	○	●	42
●	●	○	●	○	●	43

○	○	●	●	○	●	44
●	○	●	●	○	●	45
○	●	●	●	○	●	46
●	●	●	●	○	●	47
○	○	○	○	●	●	48
●	○	○	○	●	●	49
○	●	○	○	●	●	50
●	●	○	○	●	●	51
○	○	●	○	●	●	52
●	○	●	○	●	●	53
○	●	●	○	●	●	54
●	●	●	○	●	●	55
○	○	○	●	●	●	56
●	○	○	●	●	●	57
○	●	○	●	●	●	58
●	●	○	●	●	●	59
○	○	●	●	●	●	60
●	○	●	●	●	●	61
○	●	●	●	●	●	62
●	●	●	●	●	●	63

CONTROL CHANGE switching

Function	CC number	CC value	
		0 - 62	64 - 127
Rel1	80	○	●
Rel2	81	○	●
Rel3	82	○	●
Rel4	83	○	●
Rel5	84	○	●
Rel6	85	○	●

63 -> toggle

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	○	●

PROGRAM CHANGE switching

FX	REVERB	CHANNEL	PC
○	○	CLEAN	0
●	○		1
○	●		2
●	●		3
○	○	LEAD	4
●	○		5
○	●		6
●	●		7

CONTROL CHANGE switching

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

PROGRAM CHANGE switching

Channel	FX	PC
○	○	0
○	●	1
●	○	2
●	●	3

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
Channel	80	○	●
FX	81	○	●

○ = OFF ; ● = ON

PROGRAM CHANGE switching

Lead	Overdrive	Clean	PC
○	○	●	0
○	●	○	1
●	○	○	2

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
Clean	80		●
Overdrive	81		●
Lead	82		●

○ = OFF ; ● = ON

PROGRAM CHANGE switching

BP	CH3	CH2	CH1	PC
○	○	○	●	0
○	○	●	○	1
○	●	○	○	2
●	○	○	●	3
●	○	●	○	4
●	●	○	○	5

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
CH1	80	-	●
CH2	81	-	●
CH3	82	-	●
BP	83	○	●

PROGRAM CHANGE switching

MID ON	TWEED OFF	OVERDRIVE OFF	BOOST ON	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
BOOST ON	80	○	●
OVERDRIVE OFF	81	○	●
TWEED OFF	82	○	●
MID ON	83	○	●

PROGRAM CHANGE switching

BOOST1	BOOST2	LOOP	ST.BY	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

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
Ch 1	76	-	●
Ch 2	77	-	●
Ch 3	78	-	●
BOOST1	79	○	●
BOOST2	80	○	●
LOOP	81	○	●
ST.BY	82	○	●

PROGRAM CHANGE switching

FX	CH1	CH2	CH3
	PC		
○	0	2	4
●	1	3	5

CONTROL CHANGE switching

Function	CC number	CC value
		<i>any value</i>
Ch 1	76	●
Ch 2	77	●
Ch 3	78	●
FX	79	●

PROGRAM CHANGE switching

CHANNEL	BOOST	FX	REVERB	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
CHANNEL	80	○	●
BOOST	81	○	●
FX	82	○	●
REV	83	○	●

PROGRAM CHANGE switching

FX	LEAD/CRUNCH	CRUNCH/CLEAN	PC
○	○	○	0
○	○	●	1
○	●	○	2
○	●	●	3
●	○	○	4
●	○	●	5
●	●	○	6
●	●	●	7

CONTROL CHANGE switching

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

○ = OFF ; ● = ON

PROGRAM CHANGE switching

CHANNEL	REVERB	NINJA BOOST	FX	SlaveMaster	PC
○	○	○	○	○	0
○	○	○	○	●	1
○	○	○	●	○	2
○	○	○	●	●	3
○	○	●	○	○	4
○	○	●	○	●	5
○	○	●	●	○	6
○	○	●	●	●	7
○	●	○	○	○	8
○	●	○	○	●	9
○	●	○	●	○	10
○	●	○	●	●	11
○	●	●	○	○	12
○	●	●	○	●	13
○	●	●	●	○	14
○	●	●	●	●	15
●	○	○	○	○	16
●	○	○	○	●	17
●	○	○	●	○	18
●	○	○	●	●	19
●	○	●	○	○	20
●	○	●	○	●	21
●	○	●	●	○	22
●	○	●	●	●	23
●	●	○	○	○	24
●	●	○	○	●	25
●	●	○	●	○	26
●	●	○	●	●	27
●	●	●	○	○	28
●	●	●	○	●	29
●	●	●	●	○	30
●	●	●	●	●	31

CONTROL CHANGE switching

Function	CC number	CC value	
			64 - 127
CHANNEL	80	○	●
REVERB	81	○	●
NINJA BOOST	82	○	●
FX	83	○	●
SlaveMaster	84	○	●

PROGRAM CHANGE switching

CHANNEL	BOOST	NINJA BOOST	PC
○	○	○	0
○	○	●	1
○	●	○	2
○	●	●	3
●	○	○	4
●	○	●	5
●	●	○	6
●	●	●	7

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
CHANNEL	81	○	●
BOOST	82	○	●
NINJA BOOST	83	○	●

PROGRAM CHANGE switching

REVERB	BOOST	CLEAN	LEAD	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
LEAD	80	○	●
CLEAN	81	○	●
BOOST	82	○	●
REVERB	83	○	●

PROGRAM CHANGE switching

REVERB	CHANNEL A/B	DRIVE B	DRIVE A	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
DRIVE A	80	○	●
DRIVE B	81	○	●
CHANNEL A/B	82	○	●
REVERB	83	○	●

PROGRAM CHANGE switching

REV	FX	CLEAN	CRUNCH	LEAD
		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
CLEAN	80	-	●
CRUNCH	81	-	●
LEAD	82	-	●
REV	83	○	●
FX	84	○	●

PROGRAM CHANGE switching

Clean	Crunch	OD1	OD2	Solo	Reverb	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
CLEAN	80	-	●
CRUNCH	81	-	●
OD1	82	-	●
OD2	83	-	●
SOLO	84	○	●
REVERB	85	○	●

63 -> toggle

PROGRAM CHANGE switching

FX	THREE	TWO	ONE	PC
○	○	○	●	0
○	○	●	○	1
○	●	○	○	2
●	○	○	●	3
●	○	●	○	4
●	●	○	○	5

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
ONE	80	-	●
TWO	81	-	●
THREE	82	-	●
FX	83	○	●

PROGRAM CHANGE switching

EQ	CH3	CH2	CH1	PC
○	○	○	●	0
○	○	●	○	1
○	●	○	○	2
●	○	○	●	3
●	○	●	○	4
●	●	○	○	5

CONTROL CHANGE switching

Function	CC number	CC value	
		<i>0..62</i>	<i>64..127</i>
EQ	80	○	●
CH1	81		●
CH2	82		●
CH3	83		●

PROGRAM CHANGE switching

BOOST	CLEAN/GAIN	PC
○	○	0
○	●	1
●	○	2
●	●	3

CONTROL CHANGE switching

Function	CC number	CC value	
		0..62	64..127
CL/GAIN	80	○	●
BOOST	81	○	●