

Manual abstract:

01 Jun. 02 1999 1. TRANSMITTED DATA AND RECOGNIZED RECEIVE DATA sChannel Voice Message qNote On/Off When "MIDI Transport (*1)" in the SYSTEM parameters is "USER1-3", MIDI note number/velocity of MIDI channel number which is designated with "MIDI ControlCh(*1)" is transmitted. Ignored when received. Status 9nH Second mmH Third llH 0H - FH (ch.1-ch.16) 00H - 7FH (0 - 127) 01H - 7FH (1 - 127) / 00H = NOTE OFF n = MIDI Channel No. : mm = Note No. : ll = Velocity : C.C.

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 Parameter
-----Channel 1 Pan Channel 2 Pan Channel 3 Pan Channel 4 Pan Channel 5 Pan Channel 6 Pan Channel 7 Pan Channel 8 Pan Channel 9
Pan Channel 10 Pan Channel 11 Pan Channel 12 Pan Channel 13 Pan Channel 14 Pan Channel 15 Pan Channel 16 Pan Channel 17 Pan Channel 18 Pan
Channel 19 Pan Channel 20 Pan Master Balance C.C.# 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112
113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 Control Parameter

----- (*1) See "2. Address Map for Data Transfer" section. qControl Change VM-3100's mixer parameters can be received and transmitted by the control change messages when "MIDI Control Type (*1)" in the SYSTEM parameter is set to "C.

C." or "NRPM." When "MIDI Transport (*1)" in the SYSTEM parameters is "USER1-3," control change message of MIDI channel number which is designated with "MIDI ControlCh(*1)" is transmitted. Status BnH Second mmH Third llH 0H - FH (ch.1-ch.

16) (see below) 00H - 7FH (0 - 127) (*1) n = MIDI Channel No. : mm = Mixer Parameter No. : ll = Mixer Parameter Value : -----

----- When the "MIDI C.C. Type(*1)" in the SYSTEM parameters is set to "Multi." When the "MIDI C.C. @@Mixer Parameter and MIDI Channel/Control Change No. <Channel Strip> Channel MIDI channel Level Pan EQ L Freq. EQ L Gain EQ M Freq.

EQ M Gain EQ M Q EQ H Freq. @@EQ L Gain EQ M Freq. @@Type(*1)" in the SYSTEM parameter is set to "Mono." When "MIDI Control Type(*1)" in the SYSTEM parameter is set to "C.C.," Level parameter/Switch parameter/Pan parameter of the MIXER parameters were transmitted and received according to the following "Mixer Parameters and Control Change # Assignment." The transmitted MIDI channel is set by the "MIDI Control Channel(*1)" in the System parameters. @@@@The setting value of each parameter number is different. See "2. Address Map for Data Transfer" section. 4 8 -> 5 9 -> 6 10 -> 7 11 -> 8 12 -> This message is transmitted at the following case. When "MIDI Control Type(*1)" is set to "NRPN" and moreover the parameter is modified. This message is transmitted with the MIDI channel set as "MIDI Control Channel(*1)." (*1) See "2. Address Map for Data Transfer" 1
5 6 8 2 6 -> 3 7 -> <Master Block> MIDI ch.

= 16 Master Level Master Balance Monitor Level Monitor Balance FX1 Output Level FX2 Output Level AUX SEND 1/2 Level AUX SEND 1/2 Balance BUS OUT Level BUS OUT Balance Digital OUT-A Level Digital OUT-A Balance Digital OUT-B Level Digital OUT-B Balance 68 70 71 72 73 74 75 76 77 78 79 80 81 82 Data Increment This message is received at the following case. @@After this message was received, the parameter is increased referring to the "None Registered Parameter Number." VM-3100 doesn't transmit this message. Status BnH Second 60H Third 00H 0H - FH (ch.1 - ch. 16) n = MIDI Channel No. : (*1) See "2. @@@@See "2. Address Map for Data Transfer" section. @@@@Address Map for Data Transfer" section. This message is transmitted at the following case. When the "MIDI Control Type(*1)" is set to "NRPN" and moreover a parameter is modified. This message is transmitted with the MIDI channel set as the "MIDI Control Channel(*1)." "None Registered Parameter Number" value is equal to the "Start Address" in "2. Address Map for Data Transfer" section.

(*1) See "2. Address Map for Data Transfer" n = MIDI Channel No. : Decrement the effect parameter selected with NRPN. See "2. Address Map for Data Transfer" section. qProgram Change Works as scene switch when the MIDI channel number is same as "MIDI Scene Channel(*1)" parameter value. When "MIDI Transport (*1)" in the SYSTEM parameters is "USER1-3", control change message of MIDI channel number which is designated with "MIDI ControlCh(*1)" is transmitted. Data Entry (MSB/LSB) Status BnH BnH Second 06H 26H Third mmH llH n = MIDI Channel No. : 0H - FH (ch.1 - ch. 16) mm = upper byte corresponding to the parameter assigned with NRPN ll = lower byte corresponding to the parameter assigned with NRPN Status CnH Second ppH 0H - FH (ch.1 - ch.16) 00H - 20H (01-1 - 08-4)(*2) n = MIDI Channel No. : pp = Program No. : 2 MIDI Implementation For Data Request (RQ1) and Data Set (DT1), VM-3100 uses 00H 15H as a Model ID.

(*1) See "2. Address Map for Data Transfer" section. (*2) Only receiving for scene switch About Device ID System Exclusive messages are not assigned to any particular MIDI channel. Instead, they have their own special control parameter called device ID. The Roland system exclusive messages use device IDs to specify multiple VM-3100 units.

The VM-3100 sends system exclusive messages with the device ID set with "MIDI Device ID(*1)", and receives the system exclusive messages whose device ID is same as its device ID and 7FH. (*1) See "2. Address Map for Data Transfer" section. sSystem Common Messages qSong Position Pointer Received when "MIDI TimingMonitor(*1)" in system parameters is "MEASURE." Transmitted when "MIDI Transport(*1)" in the system parameters is "SEQUENCER", and any of the transport buttons [REW][FF][STOP] is pressed. Status F2H Second mmH Third nnH 00H 00H - 7FH 7FH qUniversal System Exclusive Message INQUIRY MESSAGE Identity Request mm,nn = Song Position Point : sSystem Realtime Message Received when "MIDI TimingMonitor(*1)" in system parameters is "MEASURE." Corresponding message is transmitted when "MIDI Transport(*1)" in the system parameters is "SEQUENCER," and any of the transport buttons [REW], [FF], [STOP] is pressed.



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Status F0H Byte F0H 7EH Dev 06H 01H F7H Data Byte 7EH, Dev, 06H, 01H Status F7H qTiming Clock Status F8H Description Status of System Exclusive
Message Universal System Exclusive Message Non Realtime Header Device ID (or 7FH) General Information (sub ID #1) Identify Request (sub ID #2) EOX
(End of System Exclusive Message)
annel 1 | 00 12 00 | Mixer Parameter - Channel 2 | : | 00 24 00 | Mixer Parameter - Channel 20 |
-----+-----| 00 30 00 | Compressor Parameter -
COMP 1 | 00 32 00 | Compressor Parameter - COMP 2 | 00 34 00 | Effect Parameter - FX1 | 00 36 00 | Effect Parameter - FX2 |
-----+-----| 01 00 00 | User EZ Routing Set
Bulk Dump | : | (17 - 32) | |-----+-----| 01 20
00 | User EQ Library Bulk Dump | : | (17 - 32) |
-----+-----| 01 40 00 | User Compressor
Library Bulk Dump | : | (17 - 32) | |-----+-----|
02 00 00 | User Effects Patches Bulk Dump | : | (U00 - U99) |
-----+-----| 03 00 00 | Scene Memory Bulk
Dump | : | (Bank01-1 - 08-4) | +-----+
Byte F0H 41H Dev 00H 15H 11H aaH bbH ccH ssH ssH Sum F7H The message is used to request data to the VM-3100. The VM-3100 does not transmit
this message. @@@@|
-----+-----| 00 5E | 00 - 7F | Transport User3
[REW] Data1 0,,,127 | |-----+-----| 00 5F | 00 -
7F | Transport User3 [REW] Data2 0,,,127 | |-----+-----|
---+-----| 00 68 | 00 - 3B | Locate 1 Time Code Second 0,,,59 Off=127 |
-----+-----| 00 69 | 00 - 1D | Locate 1 Time
Code Frame 0,,,29 Off=127 | |-----+-----| 00
6A | 00 - 17 | Locate 2 Time Code Hour 0,,,23 Off=127 |
-----+-----| 00 6B | 00 - 3B | Locate 2 Time
Code Minutes 0,,,59 Off=127 | |-----+-----| 00
6C | 00 - 3B | Locate 2 Time Code Second 0,,,59 Off=127 |
-----+-----| 00 6D | 00 - 1D | Locate 2 Time
Code Frame 0,,,29 Off=127 | |-----+-----| 00
6E | 00 - 17 | Locate 3 Time Code Hour 0,,,23 Off=127 |
-----+-----| 00 6F | 00 - 3B | Locate 3 Time
Code Minutes 0,,,59 Off=127 | |-----+-----| 00
70 | 00 - 3B | Locate 3 Time Code Second 0,,,59 Off=127 |
-----+-----| 00 71 | 00 - 1D | Locate 3 Time
Code Frame 0,,,29 Off=127 | |-----+-----| 00 72
| 00 - 17 | Locate 4 Time Code Hour 0,,,23 Off=127 |
-----+-----| 00 73 | 00 - 3B | Locate 4 Time
Code Minutes 0,,,59 Off=127 | |-----+-----| 00
74 | 00 - 3B | Locate 4 Time Code Second 0,,,59 Off=127 |
-----+-----| 00 75 | 00 - 1D | Locate 4 Time
Code Frame 0,,,29 Off=127 | |-----+-----| 00 76
| 0aaaaaa | Locate 1 Song Position Pointer | 00 77# | 0bbbbbbb | 0,,,16382 Off=16383 |
-----+-----| 00 78 | 0aaaaaa | Locate 2 Song
Position Pointer | 00 79# | 0bbbbbbb | 0,,,16382 Off=16383 |
-----+-----| 00 7A | 0aaaaaa | Locate 3 Song
Position Pointer | 00 7B# | 0bbbbbbb | 0,,,16382 Off=16383 |
-----+-----| 00 7C | 0aaaaaa | Locate 4 Song
Position Pointer | 00 7D# | 0bbbbbbb | 0,,,16382 Off=16383 | cc 05 | 00 | (Reserved) |
-----+-----| cc 06 | 00 - 14 | Comp 2 Location
OFF, CH1,,,CH20, Master | |-----+-----| cc 07 |
00 | (Reserved) | |-----+-----| cc 08 | 00 - 01 |
FX1 Switch OFF, ON | |-----+-----| cc 09 | 00 |
(Reserved) | |-----+-----| cc 0A | 00 | (Reserved) |
-----+-----| cc 0B | 00 - 15 | FX1 Location
Send/Return, CH1,,,CH20, Master | |-----+-----|
cc 0C | 00 - 7F | FX1 Input Level 0,,,127 |
-----+-----| cc 0D | 00 | (Reserved) |
-----+-----| cc 0E | 00 - 7F | FX1 Output Level
0,,,127 | |-----+-----| cc 0F | 00 | (Reserved) |
-----+-----| cc 10 | 00 - 01 | FX1 Return To
MIX Switch OFF, ON | |-----+-----| cc 11 | 00 -
01 | FX1 Return To Bus 1/2(AUX SEND) Switch OFF, ON |
-----+-----| cc 12 | 00 - 01 | FX1 Return To Bus
3/4(BUS OUT) Switch OFF, ON | |-----+-----|
cc 13 | 00 - 01 | FX1 Return To Bus 5/6 Switch OFF, ON |
-----+-----| cc 14 | 00 - 01 | FX1 Return To Bus
7/8 Switch OFF, ON | |-----+-----| cc 15 | 00 |
(Reserved) | : | : | : | cc 17 | 00 | |-----+-----|
cc 18 | 00 - 01 | FX2 Switch OFF, ON |

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|-----+-----+-----| | cc 19 | 00 | (Reserved) |
|-----+-----+-----| | cc 1A | 00 | (Reserved) |
|-----+-----+-----| | cc 1B | 00 - 15 | FX2 Location
Send/Return,CH1,,CH20,Master| |-----+-----+-----| |
                                cc 1C | 00 - 7F | FX2 Input Level 0,,127 |
|-----+-----+-----| | cc 1D | 00 | (Reserved) |
|-----+-----+-----| | cc 1E | 00 - 7F | FX2 Output Level
0,,127 | |-----+-----+-----| | cc 1F | 00 | (Reserved) |
|-----+-----+-----| | cc 20 | 00 - 01 | FX2 Return To
MIX Switch OFF, ON | |-----+-----+-----| | cc 21 | 00 -
                                01 | FX2 Return To Bus 1/2(AUX SEND) Switch OFF, ON |
|-----+-----+-----| | cc 22 | 00 - 01 | FX2 Return To Bus
3/4(BUS OUT) Switch OFF, ON | |-----+-----+-----| |
                                cc 23 | 00 - 01 | FX2 Return To Bus 5/6 Switch OFF, ON |
|-----+-----+-----| | cc 24 | 00 - 01 | FX2 Return To Bus
7/8 Switch OFF, ON | |-----+-----+-----| | cc 25 | 00 |
(Reserved) | | : | | | | cc 27 | 00 | | |-----+-----+-----| |
                                cc 28 | 00 - 01 | Master Source MIX, MON |
|-----+-----+-----| | cc 29 | 00 - 7F | Master Level
0,,127 | |-----+-----+-----| | cc 2A | 01 - 7F | Master
Balance L63,,R63 | |-----+-----+-----| | cc 2B | 00 - 07
                                | Monitor Source Master,Bus1,Bus2,Bus3/4 | | | Bus5/6,Bus7/8,FxSend1,FxSend2 |
|-----+-----+-----| | cc 2C | 00 - 7F | Monitor Level
0,,127 | |-----+-----+-----| | cc 2D | 01 - 7F | Monitor
Balance L63,,R63 | |-----+-----+-----|
+-----+-----+-----+ (*)Read Only Parameters.

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q Mixer Common Parameter cc= Mixer Channel Number : 10H (Common Channel)

Contents and Remarks	Start	Address	Data
00 - 01 Comp 1 Switch OFF, ON	cc 00		
cc 01 00 (Reserved)	cc 02		
15 Comp 1 Location OFF, CH1,,,CH20,Master	cc 03		
	cc 04		
OFF, ON	6 MIDI Implementation		
cc 2E 00 - 02 Bus 1/2(AUX SEND) Type BUS, SendS, SendM	cc 2F		
	cc 30		
Level 0,,,127	cc 31		
AUX1/2 SEND Balance L63,,,R63	cc 32		
	cc 33		
0,,,127	cc 34		
3/4(BUS OUT) Type BUS, SendS	cc 35		
cc 35 00 (Reserved)	cc 36		
7F BUS OUT Level 0,,,127	cc 37		
	cc 38		
01 - 7F BUS OUT Balance L63,,,R63	cc 39		
	cc 38		
SendS	cc 39		
OUT A Source	<i>q Mixer Channel Parameters cc= Mixer Channel Number : 11H - 24H (Channel 1 - 20)</i>		
Bus1/2, Bus3/4, Bus5/6, Bus7/8, MIX, MON	Start	Address	Data
Contents and Remarks			
00 - 13 Channel Input Source	cc 01		
IN01,,IN11(DIN-L),IN12(DIN-R),TR01,,TR08	cc 02		
-18, -12, -6, -3, 0(dB)	cc 03		
	cc 04		
01 Channel Input Phase NORM, INV	cc 05		
	cc 06		
Channel EQ High Freq 400Hz,,,20kHz (*2)	cc 07		
Gain -12,,,+12dB (*2)	cc 08		
	cc 09		
7F Channel EQ Mid Freq 200Hz,,,8.0kHz (*2)	cc 0A		
	cc 0B		
Gain -12,,,+12dB (*2)	cc 0C		
	cc 0D		
7F Channel EQ Mid Q 0.5,1,2,4,8 (*2)	cc 0E		
	cc 0F		
00 - 7F Channel EQ Low Freq 20Hz,,,2.0kHz (*2)	cc 10		
	cc 11		
00 - 7F Channel EQ Low Gain -12,,,+12dB (*2)	cc 12		
	cc 13		
0,,,127	cc 14		
Pan L63,,,R63	cc 15		
(Reserved)	cc 16		
Channel Link Pan Offset L63,,,R63	cc 17		
	cc 18		
cc 10 00 - 02 Channel FX1 Send Switch Off,Pre,Pst	cc 19		
	cc 1A		
Level 0,,,127	cc 1B		
(Reserved)	cc 1C		
Channel FX2 Send Switch Off,Pre,Pst	cc 1D		
	cc 1E		
Level 0,,,127	cc 1F		
(Reserved)	cc 10		
Channel Bus 1/2(AUX SEND) Send Sw Off,Pre,Pst	cc 11		
	cc 12		
Level 0,,,127	cc 13		
(Reserved)	cc 14		
Channel Bus 1/2(AUX SEND) Send Level 0,,,127	cc 15		
cc 18 00 (Reserved)	cc 16		
	cc 17		
- 02 Channel Bus 1(AUX SEND 1) Off,Pre,Pst	cc 18		
	cc 19		
Level 0,,,127	cc 1A		
(Reserved)	cc 1B		
Channel Bus 1(AUX SEND 1) Send Level 0,,,127	cc 1C		
	cc 1D		
cc 1B 00 - 02 Channel Bus 2(AUX SEND 2) Send Sw Off,Pre,Pst	cc 1E		
	cc 1F		
Level 0,,,127	cc 10		
(Reserved)	cc 11		
Channel Bus 2(AUX SEND 2) Send Level 0,,,127	cc 12		
	cc 13		
cc 1D 00 - 02 Channel Bus 3/4(BUS OUT) Send Sw Off,Pre,Pst	cc 14		

@@@MIDI Machine Control sMIDI Machine Control Details qSTOP(MCS) Status F0H Byte F0H 7FH Dev 06H 01H F7H Data Byte 7FH, Dev, 06H, 01H Status F7H Transmitted when "MIDI Transport(*1)" in system parameters is "RECORDER," and the [SHIFT] and transport button [PLAY] are pressed on VM-3100. Description Status of System Exclusive Message Universal System Exclusive Message Realtime Header Device ID (or 7FH) MMC Command Message STOP (MCS) EOX (End of System Exclusive Message) qMMC RESET Status F0H Byte F0H 7FH Dev 06H 0DH F7H Data Bytes 7FH, Dev, 06H, 0DH Status F7H Transmitted when "MIDI Transport(*1)" in system parameters is "RECORDER," and the transport button [STOP] is pressed on VM-3100. qDEFERRED PLAY(MCS) Status F0H Byte F0H 7FH Dev 06H 03H F7H Data Bytes 7FH, Dev, 06H, 03H Status F7H Description Status of System Exclusive Message Universal System Exclusive Message Realtime Header Device ID (or 7FH) MMC Command Message MMC RESET EOX (End of System Exclusive Message) When "MIDI Transport(*1)" in system parameters is "RECORDER," device ID is transmitted as 7FH upon turning power on, etc. Description Status of System Exclusive Message Universal System Exclusive Message Realtime Header Device ID (or 7FH) MMC Command Message DEFERRED PLAY (MCS) EOX (End of System Exclusive Message) qLOCATE(MCP) Format 2 - LOCATE[TARGET] Status F0H Data Bytes Status Transmitted when "MIDI Transport(*1)" in system parameters is "RECORDER," and the transport button [PLAY] is pressed on VM-3100. 7FH, Dev, 06H, 44H, 06H, F7H 01H, hrH, mnH, scH, frH, ffH Description Status of System Exclusive Message Universal System Exclusive Message Realtime Header Device ID (or 7FH) MMC Command Message LOCATE (MCP) Number of Bytes "TARGET" sub command Standard Time with Sub Frame EOX (End of System Exclusive Message) qFAST FORWARD(MCS) Status F0H Byte F0H 7FH Dev 06H 04H F7H Data Bytes 7FH, Dev, 06H, 04H Status F7H Description Status of System Exclusive Message Universal System Exclusive Message Realtime Header Device ID (or 7FH) MMC Command Message FAST FORWARD (MCS) EOX (End of System Exclusive Message) Byte F0H 7FH Dev 06H 44H 06H 01H hrH, mnH, scH, frH, ffH F7H When "MIDI Transport(*1)" is "RECORDER," and the transport button [TO TOP] is pressed on VM-3100, the time "00h 00m 00s 00frame" is transmitted with device ID : 7FH. Transmitted when "MIDI Transport(*1)" in system parameters is "RECORDER," and the transport button [FF] is pressed on VM-3100. qThe efficient Information Field There is no efficient Information Field names on VM-3100. qREWIND(MCS) Status F0H Byte Data Bytes 7FH, Dev, 06H, 05H Description Status F7H 18 MIDI Implementation 4. Appendices qDecimal and Hexadecimal table (Hexadecimal number is shown with H.) In MIDI documentation, data values and addresses/sizes of system exclusive messages etc. are expressed as hexadecimal values for each 7 bits.

The following table shows how these correspond to decimal numbers.

dec	hex	dec	hex	dec	hex	dec	hex
0	00H	32	20H	64	40H	96	60H
1	01H	33	21H	65	41H	97	61H
2	02H	34	22H	66	42H	98	62H
3	03H	35	23H	67	43H	99	63H
4	04H	36	24H	68	44H	100	64H
5	05H	37	25H	69	45H	101	65H
6	06H	38	26H	70	46H	102	66H
7	07H	39	27H	71	47H	103	67H
8	08H	40	28H	72	48H	104	68H
9	09H	41	29H	73	49H	105	69H
10	0AH	42	2AH	74	4AH	106	6AH
11	0BH	43	2BH	75	4BH	107	6BH
12	0CH	44	2CH	76	4CH	108	6CH
13	0DH	45	2DH	77	4DH	109	6DH
14	0EH	46	2EH	78	4EH	110	6EH
15	0FH	47	2FH	79	4FH	111	6FH
16	10H	48	30H	80	50H	112	70H
17	11H	49	31H	81	51H	113	71H
18	12H	50	32H	82	52H	114	72H
19	13H	51	33H	83	53H	115	73H
20	14H	52	34H	84	54H	116	74H
21	15H	53	35H	85	55H	117	75H
22	16H	54	36H	86	56H	118	76H
23	17H	55	37H	87	57H	119	77H
24	18H	56	38H	88	58H	120	78H
25	19H	57	39H	89	59H	121	79H
26	1AH	58	3AH	90	5AH	122	7AH
27	1BH	59	3BH	91	5BH	123	7BH
28	1CH	60	3CH	92	5CH	124	7CH
29	1DH	61	3DH	93	5DH	125	7DH
30	1EH	62	3EH	94	5EH	126	7EH
31	1FH	63	3FH	95	5FH	127	7FH

* Decimal values such as MIDI channel, bank select, and program change are listed as one (1) greater than the values given in the above table. A 7-bit byte can express data in the range of 128 steps. For data where greater precision is required, we must use two or more bytes. For example, two hexadecimal numbers aa bb expressing two 7-bit bytes would indicate a value of aa x 128 + bb.

In the case of values which have a +/- sign, 00H = -64, 40H = +/-0, and 7FH = +63, so that the decimal expression would be 64 less than the value given in the above chart. @@@@<Ex.1> What is 5AH in decimal system? 5AH = 90 according to the above table. @@12H = 18, 34H = 52 according to the above table. So 18 x 128 + 52 = 2356. <Ex.3> What in decimal system is 0A 03 09 0D in nibble system? 0AH = 10, 03H = 3, 09H = 9, 0DH = 13 according to the table. So ((10 x 16 + 3) x 16 + 9) x 16 + 13 = 41885. <Ex. 4> What in nibble system is 1258 in decimal system? ____ 16)1258 16) 78 .

.. 10 16) 4 ... 14 0 ... 4 0 = 00H, 4 = 04H, 14 = 0EH, 10 = 0AH According to the table. @@@@How to calculate checksum (Hexadecimal number is shown with H.

) Checksum is a value which lower 7 bit of the sum of address, size and checksum itself turns to be 0. If the address of the system exclusive message to be transmitted is aa bb ccH and data or size is dd ee ffH, aa + bb + cc + dd + ee + ff = sum sum / 128 = quotient and odd When odd is 0, 0 = checksum When odd is other than 0, 128 - odd = checksum s MIDI Machine Control (MMC) Command, Information Field / Response Reference qCommands Recognized not available qCommands Transmitted Command 01H STOP 03H DEFERRED PLAY 04H FAST FORWARD 05H REWIND 06H RECORD STROBE 0DH MMC RESET 44H 01H LOCATE TARGET Action STOP PLAY FF REW REC RESET LOCATE qValid Information Fields / Response not available * * Copyright © 1999 ROLAND CORPORATION All rights reserved.



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Date : Jun. 02, 1999 MIDI Implementation Chart Transmitted 116 116 Mode 3 x ***** 0127 ***** x x x x x 131 3395 6, 38 96, 97 98, 99 102119 O O O x O O *4 *4 *5 *5 *4 *1 Recognized 116 ***** Mode 3 x x x x x x x x x O O O O O Version : 1.01 Remarks Basic Channel Default Changed Default Messages Altered True Voice Note ON Note OFF Key's Ch's Mode Note Number : Velocity After Touch Pitch Bend Control Change Data Entry MSB, LSB Data Inc, Dec NRPN LSB, MSB Prog Change : True # O 0127 O x O x x x O x x x x x x *1 *2 *3 *4 *5 *6 *7 *8 *1 O 031 O O O x x O O x x x x x *8 *7 Scene 1-1 8-4 System Exclusive System Common System Real Time Quarter Frame : Song Pos : Song Sel : Tune : Clock : Command : All sound off : Reset all controllers : Local ON/OFF : All Notes OFF : Active Sense : Reset * 3, * 6 *2 *2 *7 *7 Aux Message Notes MIDI Transport = USER 1-3 only MIDI Transport = SEQUENCER only MIDI Transport = RECORDER only MIDI Control Type = C.C. only MIDI Control Type = NRPN only When MIDI Control Type = SYS-EX, mixer settings MIDI Timing Monitor = MEASURE only MIDI Timing Monitor = TIMECODE only Mode 1 : OMNI ON, POLY Mode 3 : OMNI OFF, POLY Mode 2 : OMNI ON, MONO Mode 4 : OMNI OFF, MONO O : Yes X : No 20 .



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