CLASSICO L3 MIDI IMPLEMENTATION

1. Received data

■ Channel Voice Messages

● Note off

Status	2nd byte	3rd byte
8nH	kkH	ccH

n= MIDI channel number: 0H~6H (Ch.1~7)

kk= note number: 00H~7FH (0~127)

cc= note off velocity: 00H~7FH (0~127)

● Note on

Status	2nd byte	3rd byte
9nH	kkH	vvH

n= MIDI channel number: 0H~6H (Ch.1~7)

kk= note number: 00H~7FH (0~127)

vv= note off velocity: 00H~7FH (0~127)

Keyboard part	MIDI Channel
Manual I	0H (1)
Manual II	1H (2)
Pedal	2H (3)
Orchestra Man I	3H (4)
Orchestra Man II	4H (5)
Orchestra Ped	5H (6)
Piano/Harpsichord	6H (7)

● Program Change

Status	2nd byte
CnH	ppH

n= MIDI channel number: EH (Ch.15)

pp= Program number: 00H~3FH (prog.1~prog.4)

Midi Message	Value	Memory Piston
CC00	0,1,2,	M1,M2,M3
PG	1,2,3,4	1,2,3,4,

■ Control Change

● Bank Select (Controller number 0, 32)

only to recall memories using Piston

Status	2nd byte	3rd byte
BnH	00H	mmH
BnH	20H	llH

n= MIDI channel number: EH (Ch.15)

mm= Bank number MSB: 00H~2H (Initial value= 00H)

ll= Bank number LSB: 20H=0H

● Modulation (Controller number 1)

Status	2nd byte	3rd byte
BnH	01H	vvH

n= MIDI channel number: 3H~6H (Ch.4~7)

vv= Modulation depth: 00H~7FH (0~127)

● Expression (Controller number 11)

Status	2nd byte	3rd byte
BnH	0BH	vvH

n= MIDI channel number: 0H~6H (Ch.1~7)

vv= Expression: 00H~7FH (0~127), Initial value= 7FH (127)

● Hold (Controller number 64)

Status	2nd byte	3rd byte
BnH	40H	vvH

n= MIDI channel number: 3H~6H (Ch.4~7)

vv= Control value: 00H~7FH (0~127)

● Sostenuto (Controller number 66)

Status	2nd byte	3rd byte
BnH	42H	vvH

n= MIDI channel number: 3H~6H (Ch.4~7)

vv= Control value: 00H~7FH (0~127) 0~63= OFF, 64~127= ON

● Soft (Controller number 67) only for PIANO part

Status	2nd byte	3rd byte
BnH	43H	vvH

n= MIDI channel number: 6H (Ch.7)

vv= Control value: 00H~7FH (0~127) 0~63= OFF, 64~127=ON

● Pitch Bend Change

Status	2nd byte	3rd byte
EnH	llH	mmH

n= MIDI channel number: 0H~6H (Ch.1~7)

mm, ll= Pitch Bend value: 00 00H~40 00H~7F 7FH (–8192~0~+8191)

■ Channel Mode Messages

● All Sounds Off (Controller number 120)

Status	2nd byte	3rd byte
BnH	78H	00H

n= MIDI channel number: 0H~6H (Ch.1~7)

When the message is received, all notes currently sounding on the corresponding channel will be turned Off.

● **Reset All Controllers (Controller number 121)**

Status	2nd byte	3rd byte
BnH	79H	00H

n= MIDI channel number: 0H~6H (Ch.1~7)

• When this message is received, the following controllers will be set to their reset values.

Controller Reset value

Pitch Bend Change +/-0 (center)

Modulation 0 (off)

Expression 127 (max)

Hold 1 0 (off)

Sostenuto 0 (off)

Soft 0 (off)

● **All Notes Off (Controller number 123)**

Status	2nd byte	3rd byte
BnH	7BH	00H

n= MIDI channel number: 0H~6H (Ch.1~7)

■ System Realtime Messages

● **Active Sensing**

Status

FEH

• This message is transmitted at intervals of approximately 250 ms.

2. Trasmitted data

■ Channel Voice Messages

● Note off

Status	2nd byte	3rd byte
8nH	kkH	ccH

n= MIDI channel number: 0H~6H (Ch.1~7)

kk= note number: 00H~7FH (0~127)

cc= note off velocity: 00H~7FH (0~127)

● Note on

Status	2nd byte	3rd byte
9nH	kkH	00H

n= MIDI channel number: 0H~6H (Ch.1~7)

kk= note number: 00H~7FH (0~127)

vv= note off velocity: 00H~7FH (0~127)

Keyboard part	MIDI Channel
Manual I	0H (1)
Manual II	1H (2)
Pedal	2H (3)
Orchestra Man I	3H (4)
Orchestra Man II	4H (5)
Orchestra Ped	5H (6)
Piano/Harpsichord	6H (7)

● Program Change

Status	2nd byte
CnH	ppH

n= MIDI channel number: EH (Ch.15)

pp= Program number: 00H~3FH (prog.1~4)

Midi Message	Value	Memory Piston
CC00	0,1,2,	M1,M2,M3
PG	1,2,3,4	1,2,3,4,

■ Control Change

● Bank Select (Controller number 0, 32)

only to recall memories using Piston

Status	2nd byte	3rd byte
BnH	00H	mmH
BnH	20H	llH

n= MIDI channel number: EH (Ch.15)

mm= Bank number MSB: 00H~2H (Initial value= 00H)

ll= Bank number LSB: 20H=0H

Midi Message	Value	Memory Piston
CC00	0,1,2,	M1,M2,M3
PG	1,2,3,4	1,2,3,4,

● Expression (Controller number 11)

Status	2nd byte	3rd byte
BnH	0BH	vvH

n= MIDI channel number: 0H~6H (Ch.1~7)

vv= Expression: 00H~7FH (0~127), Initial value= 7FH (127)

● Hold (Controller number 64)

Status	2nd byte	3rd byte
BnH	40H	vvH

n= MIDI channel number: 3H~6H (Ch.4~7)

vv= Control value: 00H~7FH (0~127)

■ System Realtime Messages

● Active Sensing

Status
FEH

• This message is transmitted at intervals of approximately 250 ms.