1.Transmitted Data ------

1-4 Universal System Exclusive Messages (Non Realtime)

(1) Device Inquiry Reply

```
+-----+
| Byte[H] | Description |
| F0 | Exclusive Status
1 7E | Non Realtime Message
| 0g  | Global MIDI Channel ( Device ID )
1 06 | General Information
  02 | Identity Reply
1
  1 KORG ID (Manufacturers ID)
6E | Software Project (Family ID (LSB))
00 | (Family ID (MSB))
08 | padKONTROL
1
1
  00 I
1
l 08 l padKONTROL
I 00 I
                            ( Member ID (MSB))
l xx l
                            ( Minor Ver. (LSB))
                            ( Minor Ver. (MSB))
l xx l
                            ( Major Ver. (LSB))
l xx l
                            ( Major Ver. (MSB))
1
  XX
        I End Of Exclusive
```

This message is transmitted whenever an INQUIRY MESSAGE REQUEST is received.

1-6 padKONTROL System Exclusive Message Transmitted Command List Structure of padKONTROL System Exclusive Messages

```
1st Byte = F0 : Exclusive Status
2nd Byte = 42 : KORG
3rd\ Byte = 4g : g : Global\ MIDI\ Channel
4th Byte = 6E : Software Project
5th Byte = 08 : padKONTROL (SubID)
6th Byte = cd : 0dvmmmmm d (1:Controller->Host)
               v (0:2Bytes Data Format, 1:Variable)
                    mmmmm (Command Number)
7th Byte = nn : 2Bytes Format: Operation Number, Variable: Num of Data
8th Byte = dd : Data
 1
LastByte = F7: End of Exclusive
+----
| 16th Byte command#| Description/Command | |
l [Bin (Hex)] |
+-----+
| 010 00000 (40) | Native KORG mode In/Out
| 010 00011 (43) | Encoder Output
                                              *31
| 010 00101 (45) | Pad Output
                                              *31
| 010 00111 (47) | Pedal Output
                                              *31
                                              *31
| 010 01000 (48) | SW Output
| 010 01001 (49) | Knob Output
                                              *31
| 010 01011 (4B) | Joystick (X-Y Pad) Output
| 011 11110 (7E) | Port Detect
│ 010 11111 (5F) │ Packet Communication
                                              *41
| 011 11111 (7F) | Data Dump
```

*4 :Function ID Code List

+-----

^{*3 :}Transmitted when in native KORG mode.

l [Hex]	Description/Function 				
		I R I			
l 51	Global Data Dump	I R I			
l 4F	Global Data Dump Scene Change				
I 26	l Data Format Error				
l 23	Data Load Completed	I E I			
l 24		I E I			
l 21	Write Completed	I E I			
	l Write Error	I E I			
	I Native KORG mode Dump Data Reply				
•	+	++			
Transmitted who					
	uest Message is received. nge Scene.				
	lusive Message is received.				
	ive KORG mode Messages is received.				
3 1 11410	The mone mone hosenges is noterious				
2.Recognized R	eceive Data				
2-1 Universal : Inquiry Messa	System Exclusive Message (Non Realti ae Reauest	lme)			
+			-+		
Byte[H] 	Description 		1		
l F0 l Ex			-+ 		
	n Realtime Message		1		
I aa I Gle	obal MIDI Channel		İ		
06 Ge	neral Information		1		
01 Id	entity Request		1		
l F7 l En	d Of Exclusive		1		
++					
gg = 00~0F :Received if Global Channel					
7F :Received on any Channel					
2 2 mad/ONTDOL	System Evaluative Massage Pessived (ommand I	ict		
	System Exclusive Message Received (padKONTROL System Exclusive Messages		.1ST		
structure of	padkontkol system exclusive messages	•			
1s+ Rv+a - F0	: Exclusive Status				
2nd Byte = 42					
	: g : Global MIDI Channel				
	: Software Project				
•	: padKONTROL (SubID)				
	: 0dvmmmmm d (0:Host->Controlle	er)			
-	v (0:2Bytes Data For	mat, 1:۱	/ariable)		
	mmmmm (Command Number)				
7th Byte = nn	: 2Bytes Format: Operation Number, N	/ariable:	: Num of Data		
8th Byte = dd	: Data				
I					
LastByte = F7 : End of Exclusive					
	and# Description/Command		·+ 		
-			1		
[Bin (Hex)]]		•		
· ·	00) Native KORG mode In/Out Req		•		
	01) Display LED	*5	•		
	22) Display LCD (7Seg LED)	*5			
000 11110 (1E) Port Detect Req					
	1F) Data Dump Req	*6			
	3F) Packet Communication	*6			
011 11111 (7F) Data Dump *6					
_					

*5 : Received when in native KORG mode. *6 :Function ID Code List +----+ | Function ID | Description/Function | [Hex] | +-----Received when A : Always. S : in native KORG mode. 3.MIDI Exclusive Format (R:Receive, T:Transmit) ------3-1 Standard Messages (1) Current Scene Data Dump Request +-----I Byte I Description | F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex] | 0001 1111 (1F) | Data Dump Command (Host->Controller, 2Bytes Format) I 0001 0000 (10) I Current Scene Data Dump Request 1 0000 0000 (00) I | 1111 0111 (F7) | End of Exclusive (EOX) +-----Receive this message, and transmits Func=40 or Func=24,26 message. (2) Global Data Dump Request I Byte I Description +-----| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex] | 0001 1111 (1F) | Data Dump Command (Host->Controller, 2Bytes Format) I 0000 1110 (0E) I Global Data Dump Request 1 0000 0000 (00) 1 | 1111 0111 (F7) | End of Exclusive (EOX) +-----Receive this message, and transmits Func=51 or Func=24 message. (3) Scene Write Request Description | F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex] | 0001 1111 (1F) | Data Dump Command (Host->Controller, 2Bytes Format) | 0001 0001 (11) | Scene Write Request | Osss ssss (ss) | Destination Scene No.(0~15) | 1111 0111 (F7) | End of Exclusive (EOX) Receive this message, and transmits Func=4F & Func=21 or Func=22 message. (4) Scene Change Request +----l Byte l Description

```
+-----
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0001 1111 (1F) | Data Dump Command (Host->Controller, 2Bytes Format)
| 0001 0100 (14) | Scene Change Request
│ 0sss ssss (ss) │ Destination Scene No.(0~15)
| 1111 0111 (F7) | End of Exclusive (EOX)
+----
Receive this message, and transmits Func=4F & Func=23 or Func=24 message.
(5) Current Scene Data Dump
I Byte I Description
+-----
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0111 1111 (7F) | Data Dump Command (Host<->Controller, Variable Format)
| 0111 1111 (7F) | Over 0x7F Data
| 0000 0010 (02) | 2Bytes structure
| 0000 1010 (0A) | Num of Data (8*17+1+1Bytes : B'10001010)
| 0000 0010 (02) |
| 0100 0000 (40) | Current Scene Data Dump
I Oddd dddd (dd) I Data
I : I :
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
Receive this message & data, save them to Edit Buffer and transmits Func=23 or Func=24 message.
Receive Func=10 message, and transmits this message & data from Edit Buffer.
(6) Global Data Dump
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0111 1111 (7F) | Data Dump Command (Host<->Controller, Variable Format)
| 0110 0101 (65) | Num of Data (8*12+4+1Bytes : B'1100101)
| 0101 0001 (51) | Global Data Dump
I Oddd dddd (dd) I Data
                                                        (NOTE 2,7) I
1 : 1 :
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
Receive this message & data, save them to Internal Memory and transmits Func=23 or Func=24
message.
Receive Func=0E message, and transmits this message & data from Edit Buffer.
When DATA DUMP is executed, transmit this message & data from Edit Buffer.
(7) Receive Data Format Error
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0101 1111 (5F) | Data Dump Command (Host<-Controller, 2Bytes Format)
| 0010 0110 (26) | Data Format Error
| 0000 0000 (00) |
| 1111 0111 (F7) | End of Exclusive (EOX)
+----
When found an error in the received message (ex.data length), transmits this message.
(8) Data Load Completed (ACK)
+-----+
                Description
l Byte l
+-----
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0101 1111 (5F) | Data Dump Command (Host<-Controller, 2Bytes Format)
| 0010 0011 (23) | Data Load Completed
1 0000 0000 (00) 1
| 1111 0111 (F7) | End of Exclusive (EOX)
```

```
When Data Load have been completed, transmits this message.
(9) Data Load Error (NAK)
+-----
l Byte l
                           Description
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0101 1111 (5F) | Data Dump Command (Host<-Controller, 2Bytes Format)
| 0010 0100 (24) | Data Load Error
1 0000 0000 (00) 1
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
When Data Load have not been completed, transmits this message.
(10) Write Completed
l Byte I
                  Description
+----
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0101 1111 (5F) | Data Dump Command (Host<-Controller, 2Bytes Format)
| 0010 0001 (21) | Write Completed
| 0000 0000 (00) |
| 1111 0111 (F7) | End of Exclusive (EOX)
When "Complete" has been completed, transmits this message.
(11) Write Error
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0101 1111 (5F) | Data Dump Command (Host<-Controller, 2Bytes Format)
| 0010 0010 (22) | Write Error
1 0000 0000 (00) 1
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
When "Complete" has not been completed, transmits this message.
(12) Scene Change
<del>+-----</del>
l Byte l
                           Description
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0101 1111 (5F) | Data Dump Command (Host<-Controller, 2Bytes Format)
| 0100 1111 (4F) | Scene Change
│ 0sss ssss (ss) │ Destination Scene No.(0~15)
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
When Scene Change have been completed, transmits this message.
(13) Port Detect Request
l Byte l
                          Description
+-----
| F0,42,4x,6E | padKONTROL Exclusive Header x;every MIDI Channel [Hex]
| Ottt tttt (tt) | Device Sub ID
| 0001 1110 (1E) | Port Detect Command (Host->Controller, 2Bytes Format)
1 0000 0000 (00) 1
| Oppp pppp (pp) | Host Port Number
| 1111 0111 (F7) | End of Exclusive (EOX)
tt: 08=padKONTROL, 7F=All-Call
pp: 01~7F
Receive this message, and transmits Command=7E message.
```

4-----

```
(14) Port Detect
                   Description
l Byte
| F0,42,4x,6E,08 | padKONTROL Exclusive Header x;Request MIDI Channel [Hex]
| 0111 1110 (7E) | Port Detect Command (Host<-Controller, Variable Format)
| 0000 0101 (05) | Num of Data (5Bytes)
I Oppp pppp (pp) I Host Port Number
| 0000 0011 (03) | Num of IN-Port
| 0000 0010 (02) | Dedicated IN-Port Number
| 0000 0010 (02) | Num of OUT-Port
| 0000 0010 (02) | Dedicated OUT-Port Number
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
Receive Command=1E message, and transmits this message.
(15) Native KORG mode In/Out Request
+-----
I Byte I Description
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0000 0000 (00) | Native KORG mode In/Out Command (Host->Controller, 2Bytes Format)|
I 0000 0000 (00) I
| Oqqq qqqq (qq) | Native KORG mode In/Out Request (qq = 00:Out Req,01:In Req)
| 1111 0111 (F7) | End of Exclusive (EOX)
Receive this message, and transmits Command=40 message.
(16) Native KORG mode In/Out
                           Description
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0100 0000 (40) | Native KORG mode In/Out Command (Host<-Controller, 2Bytes Format)|
1 0000 0000 (00) I
| Orrr rrrr (rr) | Native KORG mode In/Out (rr = 02:Out,03:In)
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
Receive Command=00 message, and transmits this message.
(17) Native KORG mode Packet Communication 1
  -----
         1
                   Description
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0011 1111 (3F) | Packet Communication Command (Host->Controller, Variable Format)|
| 0010 1010 (2A) | Num of Data (1+41Bytes)
| 0000 0000 (00) | 1st Packet Data
| Oddd dddd (dd) | Data (include Global MIDI Channel)
                                                             (NOTE 3) I
1 : 1 :
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
Receive this message, and transmits Command=5F(1st) OK/NG message.
(18) Native KORG mode Packet Communication 1 Reply
                         Description
+-----
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0101 1111 (5F) | Packet Communication Command (Host<-Controller, 2Bytes Format)
| 0000 0000 (00) | 1st Packet Data
| Orrr rrrr (rr) | Packet Data Received (rr = 00:Complete,01:Error)
| 1111 0111 (F7) | End of Exclusive (EOX)
```

Receive Command=3F(1st) message, and transmits this message. 4g : g:Received Global MIDI Channel (19) Native KORG mode Packet Communication 2 Description l Byte l +-----| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex] | 0011 1111 (3F) | Packet Communication Command (Host->Controller, Variable Format)| | 0000 1010 (0A) | Num of Data (1+9Bytes) | 0000 0001 (01) | 2nd Packet Data I 0ddd dddd (dd) I Data (NOTE 4) I 1 : 1 : | 1111 0111 (F7) | End of Exclusive (EOX) +-----Receive this message, and transmits Command=5F(2nd) OK/NG message. (20) Native KORG mode Packet Communication 2 Reply +-----I Byte I Description | F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex] | 0101 1111 (5F) | Packet Communication Command (Host<-Controller, 2Bytes Format) | | 0000 0001 (01) | 2nd Packet Data | Orrr rrrr (rr) | Packet Data Received (rr = 00:Complete,01:Error) | 1111 0111 (F7) | End of Exclusive (EOX) +-----Receive Command=3F(2nd) message, and transmits this message. 3-2 Native KORG mode Messages (1) Native KORG mode Display LEDs Description | F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex] | 0000 0001 (01) | Display LED Command (Host->Controller, 2Bytes Format) | Onnn nnnn (nn) | LED's Number of Data | Oeet tttt (et) | Display Information | 1111 0111 (F7) | End of Exclusive (EOX) +-----+ nn : LED Number $00\sim0F$, $10\sim22$, $30\sim47$ = PAD1 ~16 , SW LED, 7Seg.LED et : ee (0:0ff, 1:0n, 2:0neShot, 3:Blink), ttttt (0neShot Timer(9msec.)) (2) Native KORG mode Display LCDs (7Seg.LED) | F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex] | 0010 0010 (22) | Display LCD Command (Host->Controller, Variable Format) | 0000 0100 (04) | Num of Data (4Bytes) | 0000 000e (0e) | Display Information | Occc cccc (cc) | 7Seg.1st (Left) Character ASCII code (20~7F) | Occc cccc (cc) | 7Seg.2nd (Center) Character ASCII code (20~7F) | Occc cccc (cc) | 7Seg.3rd (Right) Character ASCII code (20~7F) | 1111 0111 (F7) | End of Exclusive (EOX) +---e : Blink Off/On (0:Off, 1:On) (3) Native KORG mode Encoder Output I Byte I Description

| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex] | 0100 0011 (43) | Encoder Output Command (Host<-Controller, 2Bytes Format)

```
1 0000 0000 (00) 1
\mid 0ddd dddd (dd) \mid Encoder Inc/Dec Data (40~7F,00~3F : -64~0~63)
| 1111 0111 (F7) | End of Exclusive (EOX)
(4) Native KORG mode Pad Output
                  Description
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0100 0101 (45) | Pad Output Command (Host<-Controller, 2Bytes Format)
| 0c00 nnnn (cn) | Pad Information
| 0VVV VVVV (VV) | Velocity (On:1~127, Off:64)
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
cn : c PAD Condition (0:0ff, 1:0n), nnnn PAD Number (00\sim0F = 1\sim16)
(5) Native KORG mode Pedal Output
+-----
I Byte I Description
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0100 0111 (47) | Pedal Output Command (Host<-Controller, 2Bytes Format)
| 0000 0000 (00) |
∣ 0ddd dddd (dd) ∣ Pedal Data (0~127)
| 1111 0111 (F7) | End of Exclusive (EOX)
(6) Native KORG mode SW Output
                  Description
         | F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0100 1000 (48) | SW Output Command (Host<-Controller, 2Bytes Format)
I Onnn nnnn (nn) I SW Number
| Oddd dddd (dd) | SW Data (Off:0, On:127)
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
nn : SW Number (00\sim12 = SW, 20 = X-Y Pad SW)
(7) Native KORG mode Knob Output
                                                               -,T
I Byte I Description
+-----
| F0,42,4g,6E,02 | KONTROL49 Exclusive Header g;Global Channel [Hex]
| 0100 1001 (49) | Knob Output Command (Host<-Controller, 2Bytes Format)
| 0000 000n (0n) | Knob Type (0:Knob1, 1:Knob2)
| Oddd dddd (dd) | Knob Data (0~127)
| 1111 0111 (F7) | End of Exclusive (EOX)
+-----
(8) Native KORG mode X-Y Pad Output
+-----
                         Description
+-----
| F0,42,4g,6E,08 | padKONTROL Exclusive Header g;Global Channel [Hex]
| 0100 1011 (4B) | X-Y Pad Output Command (Host<-Controller, 2Bytes Format)
| 0xxx xxxx (xx) | X-direction Data (0~127)
│ 0yyy yyyy (yy) │ Y-direction Data (0~127)
| 1111 0111 (F7) | End of Exclusive (EOX)
```

- NOTE 2: Global Data Dump Format (TABLE 2)
- NOTE 3: Native KORG mode Packet Communication 1st Data Dump Format 38Bytes (TABLE 3)
- NOTE 4: Native KORG mode Packet Communication 2nd Data Dump Format 17Bytes (TABLE 4)

TABLE 1 : Scene Parameter

IABLE		cene Parameter 	
++ No.(bit) PARAMETER		PARAMETER I	VALUE DESCRIPTION I
	setting	9	
0	İ	PAD01 mode	(0,0)
-		SW Type	0,1=Momentary,Toggle
-	B4	•	0,1=Dis,Ena
-	B0~3		0~15= 1~16
1~15	5	PAD02~16 mode	same as PAD01 mode
16			0 ~127=Note#C-1~G9 128~255=CC#00~127
17~3	31	PAD02~16 assign	same as PAD01 assign
32	B0~7	PAD01 velocity	129~255=ConstValue 1~127
33~4	47	PAD02~16 velocity	same as PAD01 velocity
48	B7	PAD01 CC Rel Val not use	(0)
_	B0~6	I CC value I	
49~6		•	same as PAD01 CC offval
64		PAD01 CC on val not use	(0)
-	B0~6	CC value	0~127=0~127
65~7	79 	PAD02~16 CC on val	same as PAD01 CC on val
80		Fixed Velocity val	'
81		PEDAL mode not use	(0)
-	B6	Pdl Roll/Flam SW	0,1=Dis,Ena
_	B5	 SW Type	0,1=Momentary,Toggle
-	B4	 SW	0,1=Dis,Ena
-			·

1	B0~3	MIDI Ch.	0~15= 1~16
82 	B0~7	9	0 ~127=Note#C-1~G9
1 83	B7		+
- 	B0~6	PEDAL velocity	
+ 84 	B7		+
-	B0~6	•	0~127=0~127
85 	В7	l PEDAL CC on val	
		l CC value	0~127=0~127
86			
	B6 B5 B4 B3 B2 B1	PAD07 PAD06 PAD05 PAD04 PAD03 PAD02	0,1=Dis,Ena
l 87		 Roll/Flam SW(2)	+
 	B6 B5 B4 B3 B2 B1	PAD15 PAD14 PAD13 PAD12 PAD11	0,1=Dis,Ena
	31 setti		+
l 88			++ 0~3=Off,Bend,AfterTouch,ControlChg +
İ	B2,3	I not use	·
1	B1	l polarity	0,1=normal,revers
I	В0	l Pedal Ch. SW	
l 89	В7	l not use	
 	B0~6	l CC# assign	
90 	I	Pad Ch. SW(1)	
	B7 B6 B5 B4 B3 B2 B1	PAD08 PAD07 PAD06 PAD05 PAD04 PAD03 PAD02	0,1=Dis,Ena

+	·		
91	Pad Ch. SW(2)		
I B7 I	PAD16	0,1=Dis,Ena	
		0,1=Dis,Ena	
		0,1=Dis,Ena 0,1=Dis,Ena	
		0,1=Dis,Ena	
		0,1=Dis,Ena	
		0,1=Dis,Ena	
B0 +	PAD09 	0,1=Dis,Ena	
KNOB2 setti	•		
l 92~95	KNOB2 I	same as KNOB1 setting	
X-PAD setti	ing		
l 96~99		same as KNOB1 setting	
l 100 l	I X-PAD Rel Val I	0~255=left~center~right	
Y-PAD setti	•		
	 Y-PAD	same as KNOB1 setting	
l 105 l	Y-PAD ret position	0~255=Lower~center~upper	
ROLL/FLAM s	setting		
	ROLL speed left	40~240=40~240	
	ROLL speed right		
	FLAM intvl left		
	FLAM intvl right		
l 110 B7 l		(0)	
I I B0~6 I	+ FLAM vol lower		
+ 111 B7			
	+ FLAM vol upper	1~127=1~127	
112 B7	l not use l	(0)	
I B0~6 I	ROLL exp lower		
I 113 B7	l not use l		
I B0~6 I	ROLL exp upper	1~127=1~127	
++ PORT setting			
+ 114 B7	•	0,1=PORT1,2	
l B6 I	PAD07	0,1=PORT1,2	
l B5 l	I PAD06 I	0,1=PORT1,2	
		0,1=PORT1,2	
		0,1=PORT1,2 0,1=PORT1,2	
		0,1=PORT1,2	
		0,1=PORT1,2	
	·+		

115 116	B6 B5 B4 B3 B2 B1 B0 B7 B7 B7 B7 B7 B7 B7	PAD15	0,1=PORT1,2 0,1=PORT1,2 0,1=PORT1,2 0,1=PORT1,2 0,1=PORT1,2 0,1=PORT1,2 0,1=PORT1,2 0,1=PORT1,2
 		·+	0,1=PORT1,2
117	~119 l	(dummy byte)	
TABL	E 2 : G1	Lobal Parameter	
		PARAMETER	VALUE DESCRIPTION
0		not use	(0,0,0,0,0,0,0)
1	B4~7	not use	(0)
	B0~3 ∣	Global MIDI Ch.	
2	Ì	not use	
USE	R1 Messo	age setting	
3~1	8 I	[1]~[16]:1st~16th	0~255=MIDI data
19	B6,7		00/01/10(/11)=PORT A/B/A+B(/A+B)
,	B5 I	not use	(0)
	B0~4 I	I Message Length I	0,1~16=none,1~16
USE	R2~5 Mes	ssage setting	
20~	36 I	USER2 message	same as USER1 Message setting
37~	53 I	USER3 message	same as USER1 Message setting
54~	70 i	USER4 message l	same as USER1 Message setting
71~	87 I	l USER5 message l	same as USER1 Message setting
TABLE 3 : Native KORG mode Packet Communication 1st Data			
0	B4~7	l not use l	
	B0~3 I	Global MIDI Ch.	
1	B4~7	not use	
	B2,3	Pad-Y MesgTransmitl	0/1/2=Disable/CC/PitchBend
	B0,1	Pad-X MesgTransmit	0/1/2=Disable/CC/PitchBend

1 2	B4~7	l not use l	(0,0,0,0)
1			0~15=1~16
1 3		+ not use	(0,0,0,0)
1	B0~3	++ Pad-Y MIDI Ch.	-
+ 4	B7	l not use	(0)
1		+ Pad-X CC Number	0~127 I
1 5	В7		(0)
1	'	'	0~127
1 6	B7	I not use I	(0)
	В6	Pad7 Note Transmit 	0/1=Disable/Enable
	B5	Pad6 Note Transmit 	0/1=Disable/Enable
	7	Pad5 Note Transmit	0/1=Disable/Enable
	В3	Pad4 Note Transmit 	0/1=Disable/Enable
	B2	Pad3 Note Transmit 	•
 	B1	Pad2 Note Transmit	0/1=Disable/Enable
!	В0	Pad1 Note Transmit	0/1=Disable/Enable
1 7	В7	l not use	(0)
 	В6	Pad14 NoteTransmit	-
 	B5	Pad13 NoteTransmit	'
 	B4	Pad12 NoteTransmit	0/1=Disable/Enable
 	В3	Pad11 NoteTransmit	0/1=Disable/Enable
 		Pad10 NoteTransmit	0/1=Disable/Enable
 	B1	I Pad9 Note Transmitl	•
 	В0	l Pad8 Note Transmitl	
1 8		·	(0,0,0,0)
	B1	Pad16 NoteTransmit	0/1=Disable/Enable
 	В0	Pad15 NoteTransmit	0/1=Disable/Enable
	B4~7	l not use l	•
 	B0~3	l Pad1 MIDI Ch. l	
1 10		l Pad2 MIDI Ch. l	(same as Pad1 MIDI Ch.)
I 11		l Pad3 MIDI Ch. l	(same as Pad1 MIDI Ch.)
l 12	İ	l Pad4 MIDI Ch. l	(same as Pad1 MIDI Ch.)
•			(same as Pad1 MIDI Ch.)

			1
I 14	 	Pad6 MIDI Ch.	(same as Pad1 MIDI Ch.)
15	 	Pad7 MIDI Ch.	(same as Pad1 MIDI Ch.)
l 16		Pad8 MIDI Ch.	(same as Pad1 MIDI Ch.)
1 17	i		(same as Pad1 MIDI Ch.)
l 18		•	(same as Pad1 MIDI Ch.)
l 19	 	Pad11 MIDI Ch.	(same as Pad1 MIDI Ch.)
1 20	 	Pad12 MIDI Ch.	(same as Pad1 MIDI Ch.)
21		Pad13 MIDI Ch.	(same as Pad1 MIDI Ch.)
1 22	•	•	(same as Pad1 MIDI Ch.)
1 23	 	Pad15 MIDI Ch.	(same as Pad1 MIDI Ch.)
1 24	 	Pad16 MIDI Ch.	(same as Pad1 MIDI Ch.)
1 25	B7 I	not use	(0) I
1	B0~6 I	Pad1 Note Number	0~127
1 26	 	Pad2 Note Number	(same as Pad1 Note Number)
1 27	 	Pad3 Note Number	(same as Pad1 Note Number)
1 28	 	Pad4 Note Number	(same as Pad1 Note Number)
1 29			(same as Pad1 Note Number)
I 30	•		(same as Pad1 Note Number)
31	 	Pad7 Note Number	(same as Pad1 Note Number)
1 32	 	Pad8 Note Number	(same as Pad1 Note Number)
1 33			(same as Pad1 Note Number)
I 34	I	Pad10 Note Number	(same as Pad1 Note Number)
I 35	I	Pad11 Note Number	(same as Pad1 Note Number)
I 36	I	Pad12 Note Number	
I 37	I	Pad13 Note Number	(same as Pad1 Note Number)
l 38	İ	Pad14 Note Number	(same as Pad1 Note Number)
I 39	I	Pad15 Note Number	(same as Pad1 Note Number)
I 40	I	Pad16 Note Number	(same as Pad1 Note Number)
+	+		+

TABLE 4 : Native KORG mode Packet Communication 2nd Data

i	l not use	(0) 	i
İ	Pad7 LED	0/1=0ff/0n	 I
	 +	+	+

1	B5 I		0/1=0ff/0n
1		Pad5 LED	0/1=0ff/0n
İ	B3 I	Pad4 LED	0/1=0ff/0n
 	B2 I	Pad3 LED	0/1=0ff/0n
 	B1		0/1=0ff/0n
 	7		0/1=0ff/0n
+ 1 			(0)
 	B6 I	Pad14 LED	0/1=0ff/0n
! 	B5 I	'	0/1=0ff/0n
 	B4 I	Pad12 LED	0/1=0ff/0n
 	B3 I	Pad11 LED	0/1=0ff/0n
! 	B2 I		0/1=0ff/0n
 	B1 i		0/1=0ff/0n
I 	BØ 1	Pad8 LED	0/1=0ff/0n
 2]		(0)
		SW LED (MIDI)	0/1=0ff/0n
			0/1=0ff/0n
	B4 I	SW LED (SETTING)	0/1=0ff/0n
	B3 I		0/1=0ff/0n
	B2 I	SW LED (SCENE)	 0/1=0ff/0n
	B1	Pad16 LED	0/1=0ff/0n
		Pad15 LED	0/1=0ff/0n
 3 	B7 I	not use	
	B6 I	SW LED (X-Pad)	
		SW LED (SWAP)	
 		SW LED (FIX.VEL)	•
	B3 I	SW LED (PORT)	
- 	B2 I	SW LED (VELOCITY)	
· 	B1	SW LED (OFF VAL)	
 +	BØ 1	SW LED (TYPE)	
 4 	B7 I	not use	
 	B6 I	SW LED (HOLD)	
I		SW LED (FLAM)	

1		L	
	В4	SW LED (ROLL)	0/1=0ff/0n I
i	В3	SW LED (PEDAL)	0/1=0ff/0n
	B2	SW LED (KNOB2)	0/1=0ff/0n
 	B1	SW LED (KNOB1)	0/1=0ff/0n
!	В0	SW LED (Y-Pad)	0/1=0ff/0n
1 5	B3~7	not use	(0,0,0,0,0)
 	B2	7Seg.3rd(Right) DP	0/1=0ff/0n
	B1	7Seg.2nd(Center)DP	0/1=0ff/0n
1	В0	7Seg.1st(Left) DP	0/1=0ff/0n
1 6	B7	not use	(0)
1	B0~6	Disp 7Seg.1st	ASCII code (20~7F)
1 7		Disp 7Seg.2nd	(same as Disp 7Seg.1st)
1 8		Disp 7Seg.3rd	(same as Disp 7Seg.1st)
+		+	+