

PERSONAL KEYBOARD

MK 10 MK 20 MIDI DATA FORMAT

CONTENTS

MK10

1. MODE A ORCHESTRA 1CH	1
2. MODE A SOLO 2CH	1
3. MODE A BASS 3CH	1
4. MODE A CHORD 4CH	1
5. MODE A C. MELODY 5CH	2
6. MODE A RHYTHM 16CH	2
7. MODE A REALTIME MESSAGE	2
8. MODE B	2
9. MODE A, B EXCLUSIVE MESSAGE	2

MK20

10. MODE A ORCHESTRA 1CH	3
11. MODE A SOLO 2CH	3
12. MODE A BASS 3CH	3
13. MODE A CHORD 4CH	3
14. MODE A C. MELODY 5CH	4
15. MODE A RHYTHM 16CH	4
16. MODE A REALTIME MESSAGE	4
17. MODE B	4
18. MODE A, B EXCLUSIVE MESSAGE	4

1. MODE A ORCHESTRA 1CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description	
10010000	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=30~102 vvvvvvv=1~127 vvvvvvv=0 Note on Note off
10110000	00000111	0vvvvvvv	Volume	vvvvvvv=31, 63, 95, 127
10110000	01000000	0vvvvvvv	Sustain sw	vvvvvvv=0 Off vvvvvvv=127 On
11000000	000ppppp	-----	Program Change	ppppp=0~17
10110000	01111011	00000000	All Notes off	

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description	
10000000	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk=36~96 vvvvvvv=Ignore
10010000	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=36~96 vvvvvvv=1~127 Note on vvvvvvv=0 Note off
10110000	00000111	0vvvvvvv	Volume	vvvvvvv=0~62 Level 1 vvvvvvv=63~94 Level 2 vvvvvvv=95~126 Level 3 vvvvvvv=127 Level 4
10110000	01000000	0vvvvvvv	Sustain sw	vvvvvvv=0~63 Off vvvvvvv=64~127 On
11000000	0ppppppp	-----	Program Change	vvvvvvv=0~17
11100000	0bbbbbbb	0vvvvvvv	Pitch Bender	bbbbbbb=Ignore vvvvvvv=0~127
10110000	01111011	00000000	All Notes off	

2. MODE A SOLO 2CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description	
10010001	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=30~102 vvvvvvv=1~127 Note on vvvvvvv=0 Note off
10110001	00000111	0vvvvvvv	Volume	vvvvvvv=31, 63, 95, 127
10110001	01000000	0vvvvvvv	Sustain sw	vvvvvvv=0 Off vvvvvvv=127 On
10110001	01000001	0vvvvvvv	Portamento sw	vvvvvvv=0 Off vvvvvvv=127 On
11000001	000ppppp	-----	Program Change	ppppp=0~17
11100001	00000000	0vvvvvvv	Pitch Bender	vvvvvvv=0~127
10110001	01111011	00000000	All Notes off	

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description	
10000001	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk=36~96 vvvvvvv=Ignore
10010001	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=36~96 vvvvvvv=1~127 Note on vvvvvvv=0 Note off
10110001	00000111	0vvvvvvv	Volume	vvvvvvv=0~62 Level 1 vvvvvvv=63~94 Level 2 vvvvvvv=95~126 Level 3 vvvvvvv=127 Level 4
10110001	01000000	0vvvvvvv	Sustain sw	vvvvvvv=0~63 Off vvvvvvv=64~127 On
10110001	01000001	0vvvvvvv	Portamento sw	vvvvvvv=0~63 Off vvvvvvv=64~127 On
11000001	0ppppppp	-----	Program Change	vvvvvvv=0~17
11100001	0bbbbbbb	0vvvvvvv	Pitch Bender	bbbbbbb=Ignore vvvvvvv=0~127
10110001	01111011	00000000	All Notes off	

3. MODE A BASS 3CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description	
10010010	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=30~73 vvvvvvv=1~127 Note on vvvvvvv=0 Note off
10110010	00000111	0vvvvvvv	Volume	vvvvvvv=0, 31, 63, 95, 127
11000010	000ppppp	-----	Program Change	ppppp=0~8
10110010	01111011	00000000	All Notes off	

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description	
10000010	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk=36~73 vvvvvvv=Ignore
10010010	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=36~73 vvvvvvv=1~127 Note on vvvvvvv=0 Note off
10110010	00000111	0vvvvvvv	Volume	vvvvvvv=0~30 Level 0 vvvvvvv=31~62 Level 1 vvvvvvv=63~94 Level 2 vvvvvvv=95~126 Level 3 vvvvvvv=127 Level 4
11000010	0ppppppp	-----	Program Change	ppppppp=0~8
10110010	01111011	00000000	All Notes off	

4. MODE A CHORD 4CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description	
10010011	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=42~85 vvvvvvv=1~127 Note on vvvvvvv=0 Note off
10110011	00000111	0vvvvvvv	Volume	vvvvvvv=0, 31, 63, 95, 127
11000011	000ppppp	-----	Program Change	ppppp=0~8
10110011	01111011	00000000	All Notes off	

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description	
10000011	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk=36~85 vvvvvvv=Ignore
10010011	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=36~85 vvvvvvv=1~127 Note on vvvvvvv=0 Note off
10110011	00000111	0vvvvvvv	Volume	vvvvvvv=0~30 Level 0 vvvvvvv=31~62 Level 1 vvvvvvv=63~94 Level 2 vvvvvvv=95~126 Level 3 vvvvvvv=127 Level 4
11000011	0ppppppp	-----	Program Change	ppppppp=0~8
10110011	01111011	00000000	All Notes off	

5. MODE A C. MELODY 5CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
10010100	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 54 ~ 97 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
10110100	00000111	0vvvvvvv	Volume	vvvvvvv = 0, 31, 63, 95, 127	
11000100	0000pppp	-----	Program Change	pppp = 0 ~ 8	
10110100	01111011	00000000	All Notes off		

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
10000100	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk = 36 ~ 97 vvvvvvv = Ignore	
10010100	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 36 ~ 97 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
10110100	00000111	0vvvvvvv	Volume	vvvvvvv = 0 ~ 30 vvvvvvv = 31 ~ 62 vvvvvvv = 63 ~ 94 vvvvvvv = 95 ~ 126 vvvvvvv = 127	Level 0 Level 1 Level 2 Level 3 Level 4
11000100	0ppppppp	-----	Program Change	ppppppp = 0 ~ 8	
10110100	01111011	00000000	All Notes off		

6. MODE A RHYTHM 16CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
10011111	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 38 ~ 65 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
10111111	00000111	0vvvvvvv	Volume	vvvvvvv = 0, 31, 63, 95, 127	
11001111	0ppppppp	-----	Program Change	ppppppp = 0 ~ 127	
10111111	01111011	00000000	All Notes off		

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
10011111	0kkkkkkk	0vvvvvvv	Note on	kkkkkkk = 38 ~ 65 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Ignore
10111111	00000111	0vvvvvvv	Volume	vvvvvvv = 0 ~ 30 vvvvvvv = 31 ~ 62 vvvvvvv = 63 ~ 94 vvvvvvv = 95 ~ 126 vvvvvvv = 127	Level 0 Level 1 Level 2 Level 3 Level 4
11000100	0ppppppp	-----	Program Change	ppppppp = 0 ~ 127	
10110100	01111011	00000000	All Notes off		

7. MODE A REALTIME MESSAGE

1) TRANSMITTED DATA

1st	2nd	3rd	Description
11111000	-----	-----	Timing Clock
11111010	-----	-----	Start
11111100	-----	-----	Stop

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description
11111000	-----	-----	Timing Clock
11111100	-----	-----	Stop

8. MODE B

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
1001nnnn	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 30 ~ 102 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
1100nnnn	00000ppp	-----	Program Change	ppp = 0 ~ 2	
1011nnnn	01111011	00000000	All Notes off		
11111000	-----	-----	Timing Clock		
11111010	-----	-----	Start		
11111100	-----	-----	Stop		
11111110	-----	-----	Active Sensing		nnnn = Channel No.

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
1000nnnn	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk = 36 ~ 96 vvvvvvv = Ignore	
1001nnnn	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 36 ~ 96 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
1100nnnn	0ppppppp	-----	Program Change	ppppppp = 0 ~ 2	
1011nnnn	01111011	00000000	All Notes off		
1011nnnn	01111100	00000000	Omni off		
1011nnnn	01111101	00000000	Omni on		
11111000	-----	-----	Timing Clock		
11111010	-----	-----	Start		
11111100	-----	-----	Stop		
11111110	-----	-----	Active Sensing		nnnn = Channel No.

9. MODE A, B EXCLUSIVE MESSAGE

1) EXCLUSIVE TRANSMITTED DATA

① MODE A

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	00000000	00H	1CH
Function no.	00010000	10H	Parameter send
Group no.	00000101	05H	Single keyboard group
Machine no.	00000010	02H	MK10 ID no.
data	0000xxxx	00H~0BH	Sw no.
EOX	11110111	F7H	End of exclusive

② MODE B

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	00H~0FH	nnnn = 0 ~ 15 1CH ~ 16CH
Function no.	00010000	10H	Parameter send
Group no.	00000101	05H	Single keyboard group
Machine no.	00000010	02H	MK10 ID no.
data	0000xxxx	00H~0BH	Sw no.
EOX	11110111	F7H	End of exclusive

③ SW NO LIST

00000000	00H	Synchro start
00000001	01H	Intro
00000010	02H	Ending
00000011	03H	Fill in 1
00000100	04H	Fill in 2 pattern 1
00000101	05H	Fill in 2 pattern 2
00000110	06H	Fill in 2 pattern 3
00000111	07H	Fill in 3
00001000	08H	Auto play accompaniment on
00001001	09H	Auto play accompaniment off
00001010	0AH	To lower on
00001011	0BH	To lower off

2) EXCLUSIVE RECOGNIZED RECEIVED DATA

MODE A, B

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	00H~0FH	nnnn = 0 ~ 15 1CH ~ 16CH
Function no.	00010000	10H	Parameter send
Group no.	00000101	05H	Single keyboard group
Machine no.	0mmmmmmm	00H~7FH	mmmmmm = 0 ~ 127
data	0000xxxx	00H~0FH	Sw no.
EOX	11110111	F7H	End of exclusive

10. MODE A ORCHESTRA 1CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
10010000	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=30 ~ 102 vvvvvvv=1 ~ 127 vvvvvvv=0	Note on Note off
10110000	00000111	0vvvvvvv	Volume	vvvvvvv=31, 63, 95, 127	
10110000	01000000	0vvvvvvv	Sustain sw	vvvvvvv=0 vvvvvvv=127	Off On
11000000	000ppppp	-----	Program Change	ppppp=0 ~ 17	
10110000	01111011	00000000	All Notes off		

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
10000000	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk=36 ~ 96 vvvvvvv=Ignore	
10010000	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=36 ~ 96 vvvvvvv=1 ~ 127 vvvvvvv=0	Note on Note off
10110000	00000111	0vvvvvvv	Volume	vvvvvvv=0 ~ 62 vvvvvvv=63 ~ 94 vvvvvvv=95 ~ 126 vvvvvvv=127	Level 1 Level 2 Level 3 Level 4
10110000	01000000	0vvvvvvv	Sustain sw	vvvvvvv=0 ~ 63 vvvvvvv=64 ~ 127	Off On
11000000	0ppppppp	-----	Program Change	vvvvvvv=0 ~ 17	
11100000	0bbbbbbb	0vvvvvvv	Pitch Bender	bbbbbbb=Ignore vvvvvvv=0 ~ 127	
10110000	01111011	00000000	All Notes off		

11. MODE A SOLO 2CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
10010001	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=30 ~ 102 vvvvvvv=1 ~ 127 vvvvvvv=0	Note on Note off
10110001	00000111	0vvvvvvv	Volume	vvvvvvv=31, 63, 95, 127	
10110001	01000000	0vvvvvvv	Sustain sw	vvvvvvv=0 vvvvvvv=127	Off On
10110001	01000001	0vvvvvvv	Portamento sw	vvvvvvv=0 vvvvvvv=127	Off On
11000001	000ppppp	-----	Program Change	ppppp=0 ~ 17	
11100001	00000000	0vvvvvvv	Pitch Bender	vvvvvvv=0 ~ 127	
10110001	01111011	00000000	All Notes off		

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
10000001	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk=36 ~ 96 vvvvvvv=Ignore	
10010001	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=36 ~ 96 vvvvvvv=1 ~ 127 vvvvvvv=0	Note on Note off
10110001	00000111	0vvvvvvv	Volume	vvvvvvv=0 ~ 62 vvvvvvv=63 ~ 94 vvvvvvv=95 ~ 126 vvvvvvv=127	Level 1 Level 2 Level 3 Level 4
10110001	01000000	0vvvvvvv	Sustain sw	vvvvvvv=0 ~ 63 vvvvvvv=64 ~ 127	Off On
10110001	01000001	0vvvvvvv	Portamento sw	vvvvvvv=0 ~ 63 vvvvvvv=64 ~ 127	Off On
11000001	0ppppppp	-----	Program Change	vvvvvvv=0 ~ 17	
11100001	0bbbbbbb	0vvvvvvv	Pitch Bender	bbbbbbb=Ignore vvvvvvv=0 ~ 127	
10110001	01111011	00000000	All Notes off		

12. MODE A BASS 3CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
10010010	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=30 ~ 73 vvvvvvv=1 ~ 127 vvvvvvv=0	Note on Note off
10110010	00000111	0vvvvvvv	Volume	vvvvvvv=0, 31, 63, 95, 127	
11000010	0000pppp	-----	Program Change	pppp=0 ~ 8	
10110010	01111011	00000000	All Notes off		

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
10000010	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk=36 ~ 73 vvvvvvv=Ignore	
10010010	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=36 ~ 73 vvvvvvv=1 ~ 127 vvvvvvv=0	Note on Note off
10110010	00000111	0vvvvvvv	Volume	vvvvvvv=0 ~ 30 vvvvvvv=31 ~ 62 vvvvvvv=63 ~ 94 vvvvvvv=95 ~ 126 vvvvvvv=127	Level 0 Level 1 Level 2 Level 3 Level 4
11000010	0ppppppp	-----	Program Change	ppppppp=0 ~ 8	
10110010	01111011	00000000	All Notes off		

13. MODE A CHORD 4CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
10010011	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=42 ~ 85 vvvvvvv=1 ~ 127 vvvvvvv=0	Note on Note off
10110011	00000111	0vvvvvvv	Volume	vvvvvvv=0, 31, 63, 95, 127	
11000011	0000pppp	-----	Program Change	pppp=0 ~ 8	
10110011	01111011	00000000	All Notes off		

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
10000011	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk=36 ~ 85 vvvvvvv=Ignore	
10010011	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk=36 ~ 85 vvvvvvv=1 ~ 127 vvvvvvv=0	Note on Note off
10110011	00000111	0vvvvvvv	Volume	vvvvvvv=0 ~ 30 vvvvvvv=31 ~ 62 vvvvvvv=63 ~ 94 vvvvvvv=95 ~ 126 vvvvvvv=127	Level 0 Level 1 Level 2 Level 3 Level 4
11000011	0ppppppp	-----	Program Change	ppppppp=0 ~ 8	
10110011	01111011	00000000	All Notes off		

14. MODE A C. MELODY 5CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
10010100	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 54 ~ 97 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
10110100	00000111	0vvvvvvv	Volume	vvvvvvv = 0, 31, 63, 95, 127	
11000100	0000pppp	-----	Program Change	pppp = 0 ~ 8	
10110100	01111011	00000000	All Notes off		

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
10000100	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk = 36 ~ 97 vvvvvvv = Ignore	
10010100	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 36 ~ 97 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
10110100	00000111	0vvvvvvv	Volume	vvvvvvv = 0 ~ 30 vvvvvvv = 31 ~ 62 vvvvvvv = 63 ~ 94 vvvvvvv = 95 ~ 126 vvvvvvv = 127	Level 0 Level 1 Level 2 Level 3 Level 4
11000100	0ppppppp	-----	Program Change	ppppppp = 0 ~ 8	
10110100	01111011	00000000	All Notes off		

15. MODE A RHYTHM 16CH

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
10011111	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 38 ~ 65 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
10111111	00000111	0vvvvvvv	Volume	vvvvvvv = 0, 31, 63, 95, 127	
11001111	0ppppppp	-----	Program Change	ppppppp = 0 ~ 127	
10111111	01111011	00000000	All Notes off		

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
10011111	0kkkkkkk	0vvvvvvv	Note on	kkkkkkk = 38 ~ 65 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Ignore
10111111	00000111	0vvvvvvv	Volume	vvvvvvv = 0 ~ 30 vvvvvvv = 31 ~ 62 vvvvvvv = 63 ~ 94 vvvvvvv = 95 ~ 126 vvvvvvv = 127	Level 0 Level 1 Level 2 Level 3 Level 4
11000100	0ppppppp	-----	Program Change	ppppppp = 0 ~ 127	
10110100	01111011	00000000	All Notes off		

16. MODE A REALTIME MESSAGE

1) TRANSMITTED DATA

1st	2nd	3rd	Description
11111000	-----	-----	Timing Clock
11111010	-----	-----	Start
11111100	-----	-----	Stop

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description
11111000	-----	-----	Timing Clock
11111100	-----	-----	Stop

17. MODE B

1) TRANSMITTED DATA

1st	2nd	3rd	Description		
1001nnnn	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 30 ~ 102 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
1100nnnn	0000pppp	-----	Program Change	ppp = 0 ~ 5	
1011nnnn	01111011	00000000	All Notes off		
11111000	-----	-----	Timing Clock		
11111010	-----	-----	Start		
11111100	-----	-----	Stop		
11111110	-----	-----	Active Sensing	nnnn = Channel No.	

2) RECOGNIZED RECEIVED DATA

1st	2nd	3rd	Description		
1000nnnn	0kkkkkkk	0vvvvvvv	Note off	kkkkkkk = 36 ~ 96 vvvvvvv = Ignore	
1001nnnn	0kkkkkkk	0vvvvvvv	Note on/off	kkkkkkk = 36 ~ 96 vvvvvvv = 1 ~ 127 vvvvvvv = 0	Note on Note off
1100nnnn	0ppppppp	-----	Program Change	ppppppp = 0 ~ 5	
1011nnnn	01111011	00000000	All Notes off		
1011nnnn	01111100	00000000	Omni off		
1011nnnn	01111101	00000000	Omni on		
11111000	-----	-----	Timing Clock		
11111010	-----	-----	Start		
11111100	-----	-----	Stop		
11111110	-----	-----	Active Sensing	nnnn = Channel No.	

18. MODE A, B EXCLUSIVE MESSAGE

1) EXCLUSIVE TRANSMITTED DATA

① MODE A

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	00000000	00H	1CH
Function no.	00010000	10H	Parameter send
Group no.	00000101	05H	Single keyboard group
Machine no.	00000001	01H	MK20 ID no.
data	0000xxxx	00H~08H	Sw no.
EOX	11110111	F7H	End of exclusive

② MODE B

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	00H~0FH	nnnn = 0 ~ 15 1CH ~ 16CH
Function no.	00010000	10H	Parameter send
Group no.	00000101	05H	Single keyboard group
Machine no.	00000001	01H	MK20 ID no.
data	0000xxxx	00H~08H	Sw no.
EOX	11110111	F7H	End of exclusive

③ SW NO LIST

00000000	00H	Synchro start
00000001	01H	Intro
00000010	02H	Ending
00000011	03H	Fill in 1
00000100	04H	Fill in 2 pattern 1
00000101	05H	Fill in 2 pattern 2
00000110	06H	Fill in 2 pattern 3
00000111	07H	Fill in 3
00001000	08H	Auto play accompaniment on
00001001	09H	Auto play accompaniment off
00001010	0AH	To lower on
00001011	0BH	To lower off

2) EXCLUSIVE RECOGNIZED RECEIVED DATA

MODE A, B

Status	11110000	F0H	System exclusive
Kawai ID no.	01000000	40H	
Channel no.	0000nnnn	00H~0FH	nnnn = 0 ~ 15 1CH ~ 16CH
Function no.	00010000	10H	Parameter send
Group no.	00000101	05H	Single keyboard group
Machine no.	0mmmmmmm	00H~7FH	mmmmmm = 0 ~ 127
data	0000xxxx	00H~0FH	Sw no.
EOX	11110111	F7H	End of exclusive

KAWAI

Kawai Musical Instruments Manufacturing Co., Ltd.
200 Terajima-cho, Hamamatsu, Japan