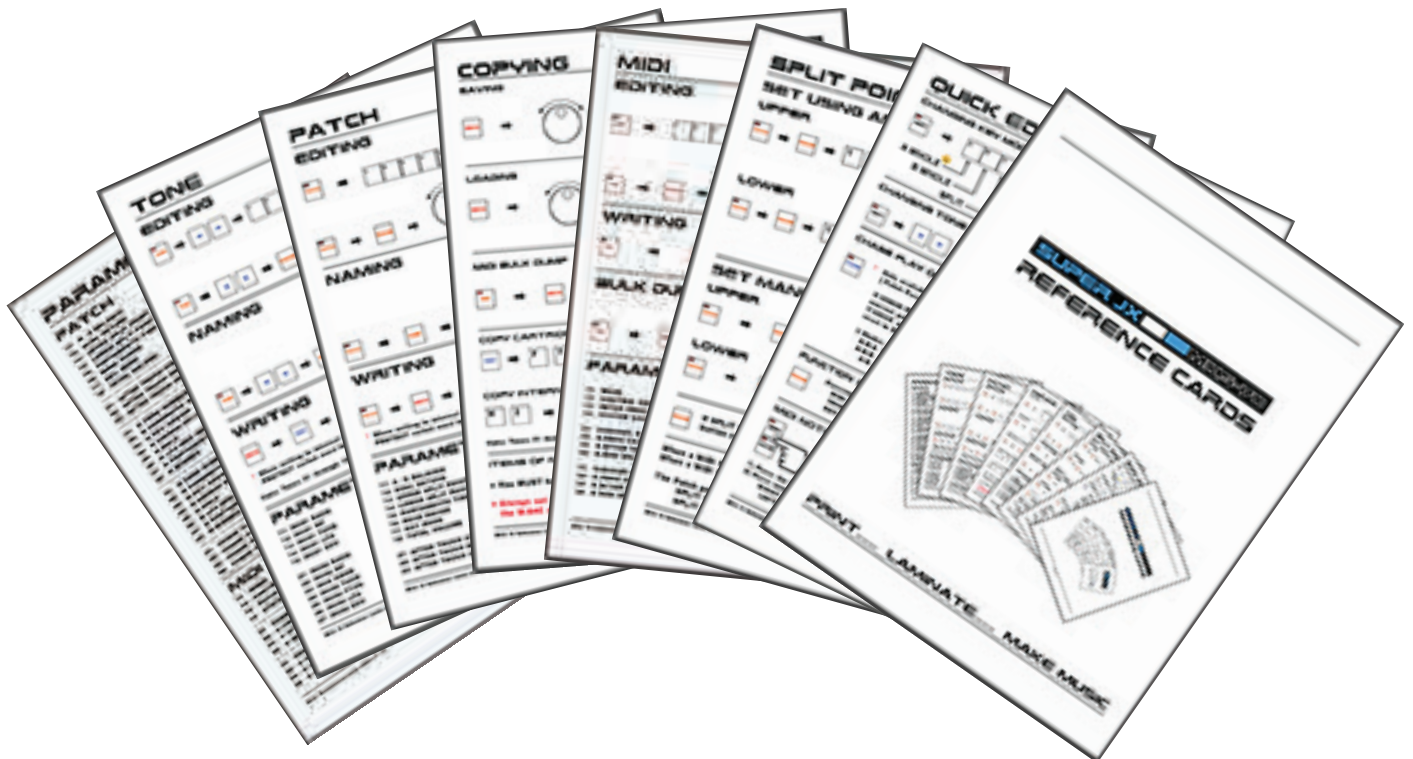
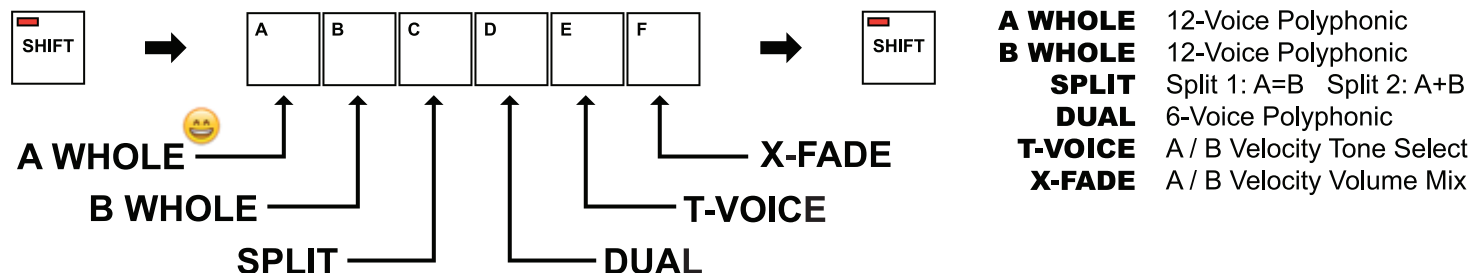

SUPER JX MKS-70

REFERENCE CARDS

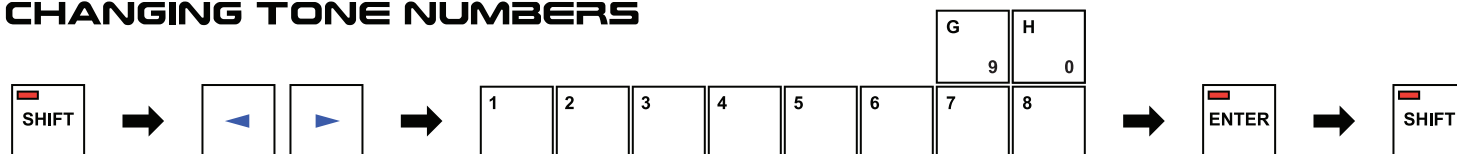


PRINT..... LAMINATE..... MAKE MUSIC

CHANGING KEY MODES



CHANGING TONE NUMBERS



CHASE PLAY OFF / ON*



* Only available when a patch is set to **DUAL** mode
 [Patch Parameter 17 KEY MODE]

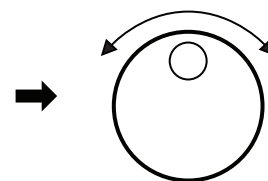
If **CHASE PLAY** is pressed and the **KEY MODE** for the current patch is set to **A WHOLE**, **B WHOLE**, **SPLIT**, **T-VOICE** or **X-FADE**, the **KEY MODE** setting will be reset to **DUAL** automatically

3 Modes - Patch Parameter [52 CHASE PLAY MODE]

- A-B-A** Tone A is played, then Tone B, then Tone A, & so on...
- A-B-B** Tone A is played first, then Tone B repeatedly
- A-B** Tone A is played first, then Tone B and then it stops

MASTER TUNE

SET



WRITE**



** The **PROTECT** switch on the front panel must be in the **OFF** position

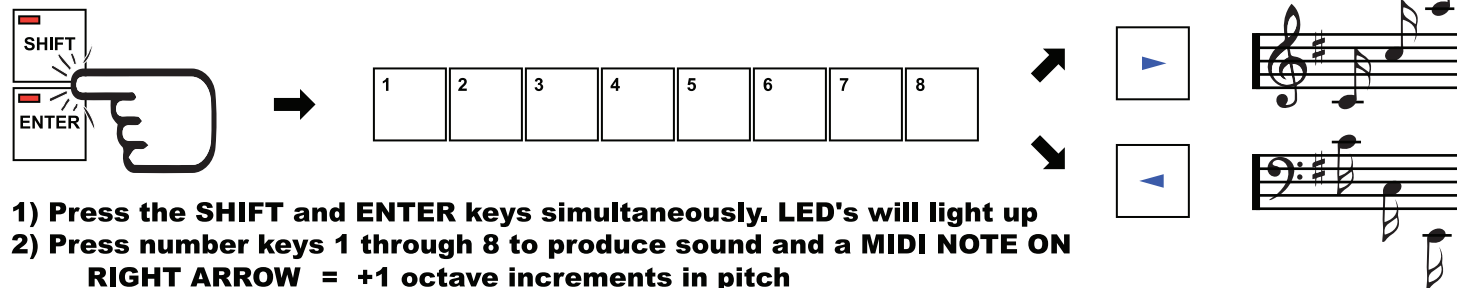
In case you were wondering... the factory default is 437 Hz

FUNCTION DISPLAY



Pressing this button will cycle the display and show;
MIDI CHANNELS and **CONTROL CHANNELS**
TONE NAMES used in the Patch currently selected
KEY MODE used in the Patch currently selected

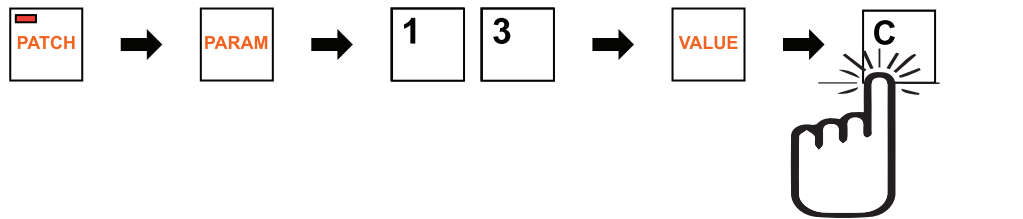
MIDI NOTE ON SIMULATION [For testing, if no external keyboard is available]



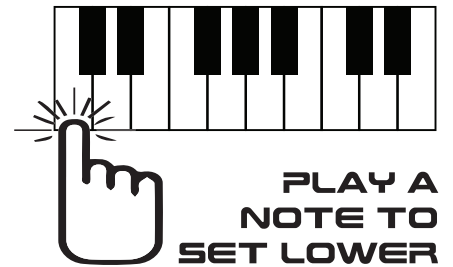
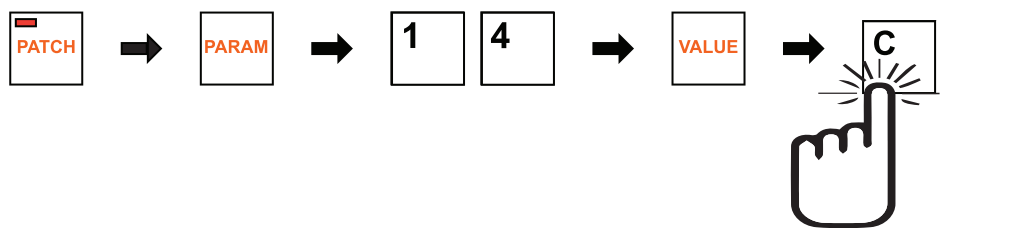
- 1) Press the **SHIFT** and **ENTER** keys simultaneously. LED's will light up
 - 2) Press number keys 1 through 8 to produce sound and a **MIDI NOTE ON**
- RIGHT ARROW** = +1 octave increments in pitch
LEFT ARROW = -1 octave increments in pitch

SET USING AN EXTERNAL KEYBOARD

UPPER

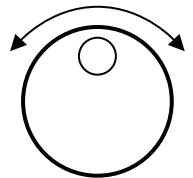
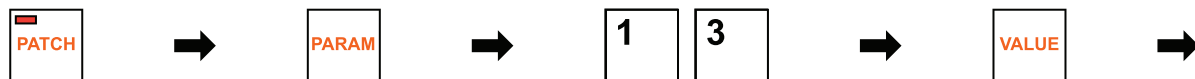


LOWER

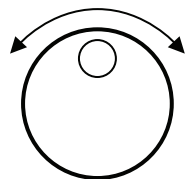
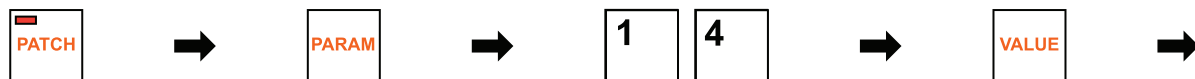


SET MANUALLY

UPPER



LOWER



PARAM If SPLIT 1 MODE is in use for the currently selected Patch, pressing the PARAM button cycles through the display and shows the Upper and Lower Split Points

When a MIDI NOTE ON is sent higher than the Upper Split Point, Tone A will play
When a MIDI NOTE ON is sent lower than the Lower Split Point, Tone B will play

The Patch parameter [17 KEY MODE] will determine SPLIT 1 or SPLIT 2 MODE
SPLIT 1 MODE: Channels A and B are sent to the same MIDI channel number
SPLIT 2 MODE: Channels A and B are sent to different MIDI channel numbers

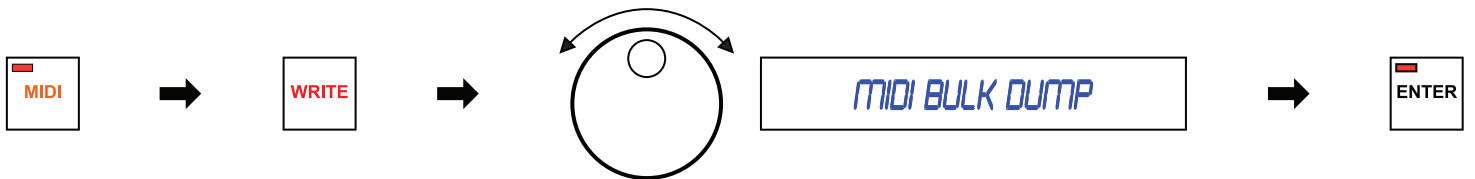
SAVING



LOADING



MIDI BULK DUMP



COPY CARTRIDGE PATCH F-7 TO INTERNAL PATCH C-1 (EXAMPLE)



COPY INTERNAL PATCH H-2 TO CARTRIDGE PATCH B-3 (EXAMPLE)

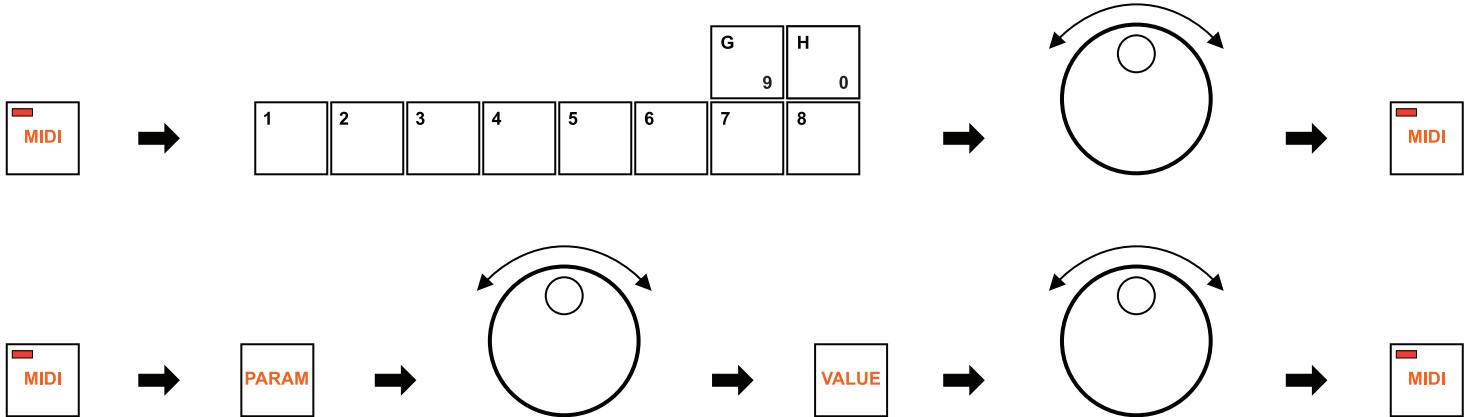


Note: Tones 51 through 100 are set permanently in ROM. You may only write to Tones 1 through 50.

ITEMS OF NOTE

- You **MUST** have an M-64C cartridge plugged in to save or load Patches via SysEx
- Always set the PROTECT switch to the "ON" position before inserting or removing the M-64C or M-16C cartridge into or out of the MKS-70

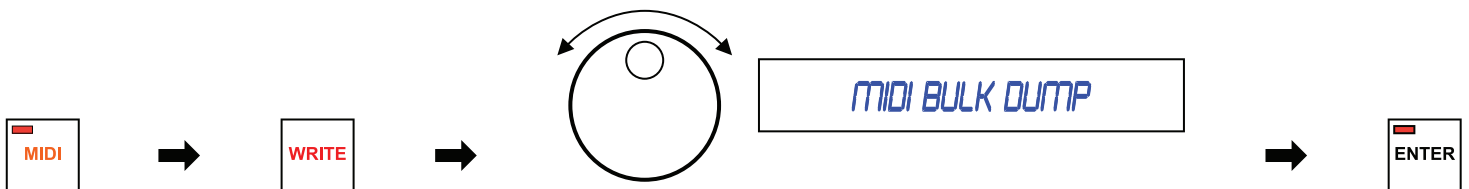
EDITING



WRITING



BULK DUMP



PARAMETERS

11	MODE	MONO - POLY
12	CONTROL CHANNEL	01 - 16
13	PATCH PROG CHANGE	OFF - ON
14	SYSTEM EXCLUSIVE	OFF - ON
21	CHANNEL A	01 - 16
22	A PROG CHANGE	OFF - ON
23	A AFTER TOUCH	OFF - ON
24	A MIDI VOLUME	OFF - ON
31	CHANNEL B	01 - 16
32	B PROG CHANGE	OFF - ON
33	B AFTER TOUCH	OFF - ON
34	B MIDI VOLUME	OFF - ON

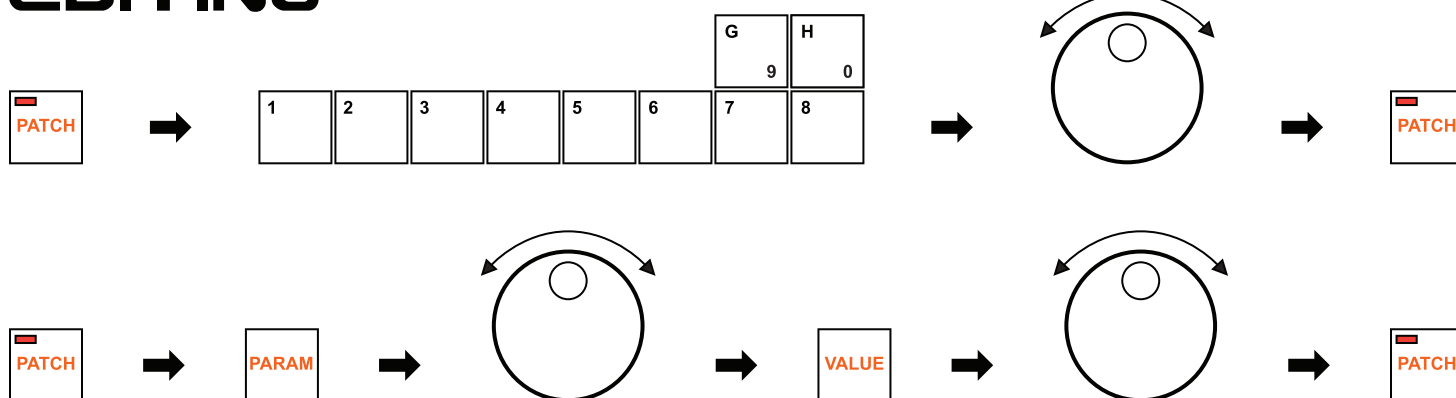
The most common MIDI communication errors are caused when the **SYSTEM EXCLUSIVE** parameter is turned OFF. If you are unable to send or receive MIDI messages to or from another device, set the parameter; **[14 SYSTEM EXCLUSIVE ON]**

Also, verify the MIDI channel is #1 and set the parameter; **[12 CONTROL CHANNEL 1]**

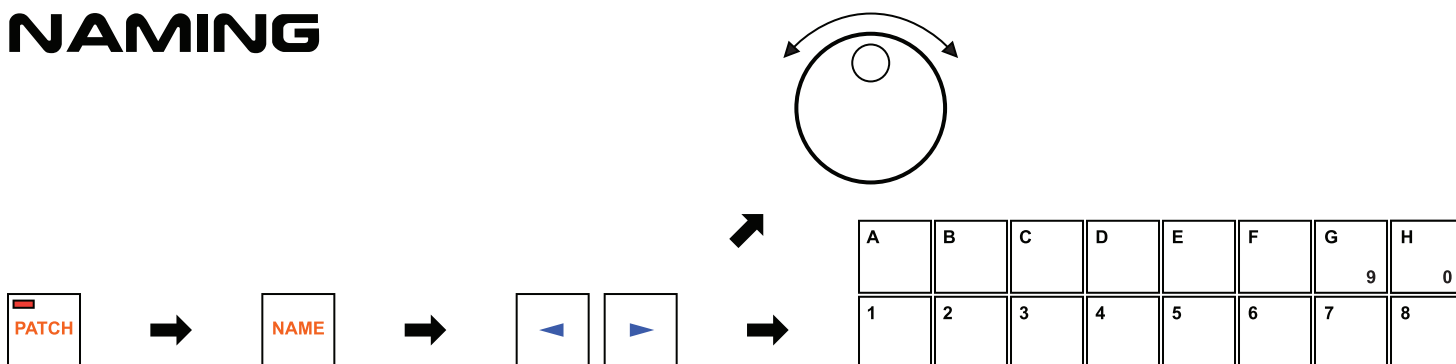
You **MUST** have an M-64C cartridge plugged in to save or load Patches via SysEx

Always set the PROTECT switch to the "ON" position before inserting or removing the M-64C or M-16C cartridge into or out of the MKS-70

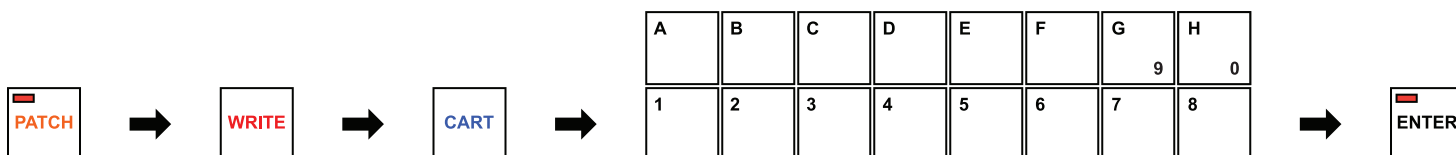
EDITING



NAMING



WRITING



* When writing to internal memory, the MKS-70 PROTECT switch must be in the OFF position

** When writing to cartridge memory, the M-64C PROTECT switch must be in the OFF position

PARAMETERS

11 A / B BALANCE
12 DUAL DETUNE
13 UPPER SPLIT POINT
14 LOWER SPLIT POINT
15 PORTAMENTO TIME
16 BEND RANGE
17 KEY MODE
18 TOTAL VOLUME

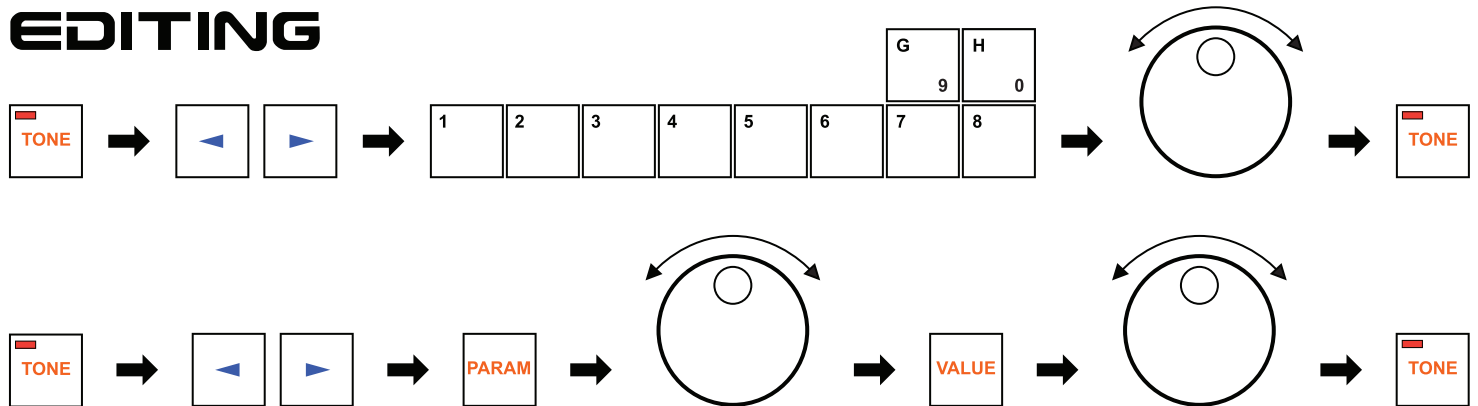
31 A TONE NUMBER
32 A CHROMATIC SHIFT
33 A KEY ASSIGN
34 A UNISON DETUNE
35 A HOLD
36 A LFO MOD DEPTH
37 A PORTAMENTO
38 A BENDER
41 B TONE NUMBER

42 B CHROMATIC SHIFT
43 B KEY ASSIGN
44 B UNISON DETUNE
45 B HOLD
46 B LFO MOD DEPTH
47 B PORTAMENTO
48 B BENDER

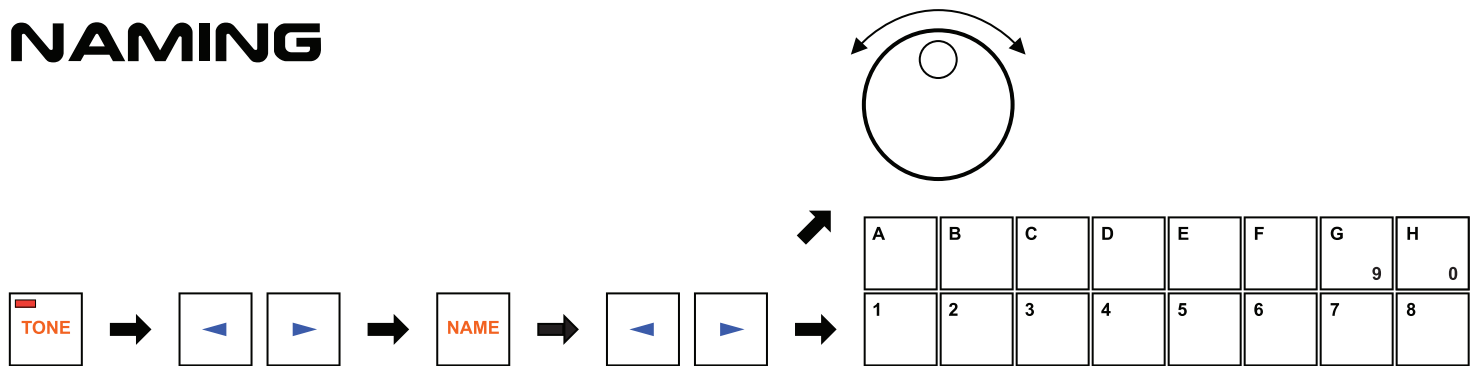
21 AFTER TOUCH VIB
22 AFTER TOUCH BRI
23 AFTER TOUCH VOL

51 CHASE PLAY LEVEL
52 CHASE PLAY MODE
53 CHASE PLAY TIME
54 CHASE PLAY SWITCH

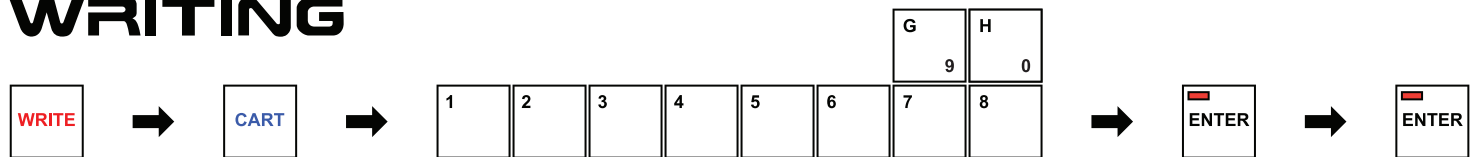
EDITING



NAMING



WRITING



* When writing to internal memory, the MKS-70 PROTECT switch must be in the OFF position

** When writing to cartridge memory, the M-64C PROTECT switch must be in the OFF position

Note: Tones 51 through 100 are set permanently in ROM. You may only write to Tones 1 through 50.

PARAMETERS

11 DCO1 RANG
12 DCO1 WF
13 DCO1 TUNE
14 DCO1 LFO
15 DCO1 ENV

31 DCO DYNA
32 DCO MODE

41 MIX DCO1
42 MIX DCO2
43 MIX ENV
44 MIX DYNA
45 MIX MODE

21 DCO2 RANG
22 DCO2 WF
23 DCO XMOD
24 DCO2 TUNE
25 DCO2 FTUN
26 DCO2 LFO
27 DCO2 ENV

51 HPF FREQ
52 VCF FREQ
53 VCF RES
54 VCF LFO
55 VCF ENV
56 VCF KEY
57 VCF DYNA
58 VCF MODE

61 VCA LEVEL
62 VCA MODE
63 VCA DYNA
64 CHORUS

71 LFO WF
72 LFO DELAY
73 LFO RATE

81 ENV1 ATT
82 ENV1 DECY
83 ENV1 SUS
84 ENV1 REL
85 ENV1 KEY

91 ENV2 ATT
92 ENV2 DECY
93 ENV2 SUS
94 ENV2 REL
95 ENV2 KEY



PATCH

11	A / B BALANCE	00	-	99	
12	DUAL DETUNE	-50	-	00	+50
13	UPPER SPLIT POINT	A0	-	C8	
14	LOWER SPLIT POINT	A0	-	C8	
15	PORTAMENTO TIME	00	-	99	
16	BEND RANGE	2	-	3	4 - 7 - 12
17	KEY MODE	DUAL T-VOICE X-FADE AWHOLE BWHOLE SPLIT			
18	TOTAL VOLUME	00	-	99	

21	AFTER TOUCH VIB	00	-	99	
22	AFTER TOUCH BRI	00	-	99	
23	AFTER TOUCH VOL	00	-	99	

31	A TONE NUMBER	01	-	100	
32	A CHROMATIC SHIFT	-24	-	00	+24
33	A KEY ASSIGN	POLY1	POLY2	UNISON1	UNISON2 MONO1 MONO2
34	A UNISON DETUNE	-50	-	00	+50
35	A HOLD	OFF	-	ON	
36	A LFO MOD DEPTH	00	-	99	
37	A PORTAMENTO	OFF	-	ON	
38	A BENDER	OFF	-	ON	

41	B TONE NUMBER	01	-	100	
42	B CHROMATIC SHIFT	-24	-	00	+24
43	B KEY ASSIGN	POLY1	POLY2	UNISON1	UNISON2 MONO1 MONO2
44	B UNISON DETUNE	-50	-	00	+50
45	B HOLD	OFF	-	ON	
46	B LFO MOD DEPTH	00	-	99	
47	B PORTAMENTO	OFF	-	ON	
48	B BENDER	OFF	-	ON	

51	CHASE PLAY LEVEL	00	-	99	
52	CHASE PLAY MODE	[A-B-A]	[A-B-B]	[A-B]	
53	CHASE PLAY TIME	01	-	99	
54	CHASE PLAY SWITCH	OFF	-	ON	

MIDI

11	MODE	MONO	-	POLY	
12	CONTROL CHANNEL	01	-	16	
13	PATCH PROG CHANGE	OFF	-	ON	
14	SYSTEM EXCLUSIVE	OFF	-	ON	

21	CHANNEL A	01	-	16	
22	A PROG CHANGE	OFF	-	ON	
23	A AFTER TOUCH	OFF	-	ON	
24	A MIDI VOLUME	OFF	-	ON	

31	CHANNEL B	01	-	16	
32	B PROG CHANGE	OFF	-	ON	
33	B AFTER TOUCH	OFF	-	ON	
34	B MIDI VOLUME	OFF	-	ON	

TONE

11	DCO1 RANG	2'	4'	8'	16'
12	DCO1 WF	SAWT	PULS	SQUA	NOIS
13	DCO1 TUNE	-12	-	00	+12
14	DCO1 LFO	00	-	99	
15	DCO1 ENV	00	-	99	

21	DCO2 RANG	2'	4'	8'	16'
22	DCO2 WF	SAWT	PULS	SQUA	NOIS
23	DCO XMOD	OFF	SNC1	SNC2	XMOD
24	DCO2 TUNE	-12	-	00	+12
25	DCO2 FTUN	-50	-	00	+50
26	DCO2 LFO	00	-	99	
27	DCO2 ENV	00	-	99	

31	DCO DYNA	OFF	1	2	3
32	DCO MODE	n-1	u-1	n-2	u-2

41	MIX DCO1	00	-	99	
42	MIX DCO2	00	-	99	
43	MIX ENV	00	-	99	
44	MIX DYNA	OFF	1	2	3
45	MIX MODE	n-1	u-1	n-2	u-2

51	HPF FREQ	OFF	1	2	3
52	VCF FREQ	00	-	99	
53	VCF RES	00	-	99	
54	VCF LFO	00	-	99	
55	VCF ENV	00	-	99	
56	VCF KEY	00	-	99	
57	VCF DYNA	OFF	1	2	3
58	VCF MODE	n-1	u-1	n-2	u-2

61	VCA LEVEL	00	-	99	
62	VCA MODE	ENV	GATE		
63	VCA DYNA	OFF	1	2	3
64	CHORUS	OFF	1	2	

71	LFO WF	SINE	SQUA	RAND	
72	LFO DELAY	00	-	99	
73	LFO RATE	00	-	99	

81	ENV1 ATT	00	-	99	
82	ENV1 DECY	00	-	99	
83	ENV1 SUS	00	-	99	
84	ENV1 REL	00	-	99	
85	ENV1 KEY	OFF	1	2	3

91	ENV2 ATT	00	-	99	
92	ENV2 DECY	00	-	99	
93	ENV2 SUS	00	-	99	
94	ENV2 REL	00	-	99	
95	ENV2 KEY	OFF	1	2	3