AKAI
professional

MX73

MIDI MASTER KEYBOARD
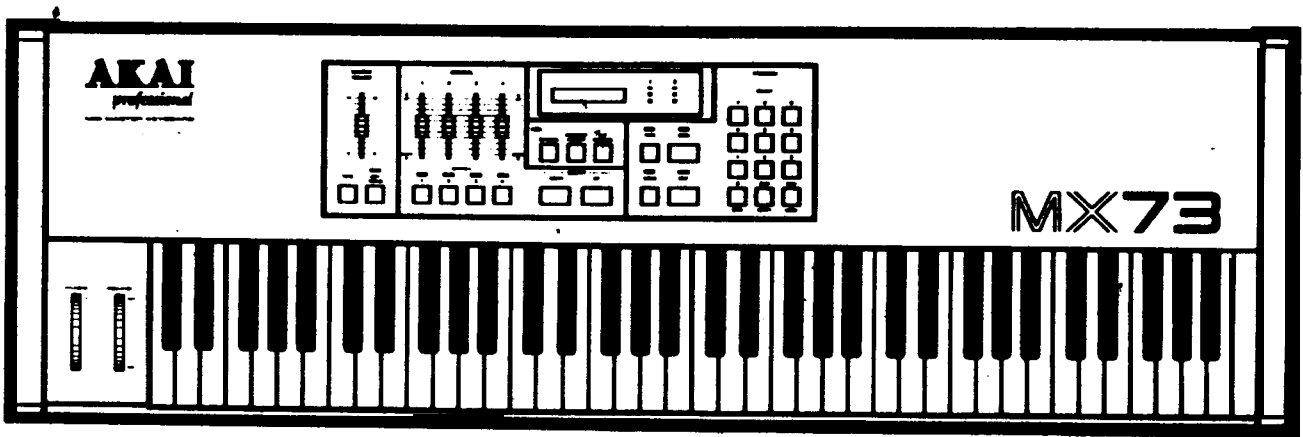
Operator's Manual

Warning

Power requirements

Power requirements for electrical equipment differ from area to area. The operating voltage of this machine is preset at the factory according to It's intended destination. However. some models are equipped with a voltage selector. If your machine is so equipped. before connecting, check to see that the VOLTAGE SELECTOR on the bottom panel is set to the voltage for your area.
If not, please set it correctly before plugging in the power cord.
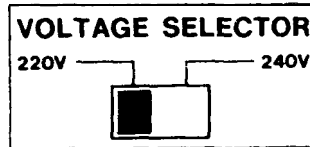220 V, 50 Hz for Europe except the UK.
240 V, 50 Hz for UK and Australia.
120 V, 60 Hz for USA and Canada.

If the VOLTAGE SELECTOR is not set for your area:

Confirm that the power cord is disconnected.
Move the VOLTAGE SELECTOR with a screwdriver so that the marker is above the voltage for your area.

```
VOLTAGE SELECTOR
220V ────┐   ┌──── 240V
         │ ■ │
```

What you should know to protect yourself and the Akai MX73.

Watch out! You might get an electric shock.
. Never touch the plug with wet hands.
● Always pull out by the plug and never the cord.
● ⊡■●⊡ let a qualified professional repair or reassemble the Akai MX73. An unauthorized person might touch the internal parts and receive a serious electric shock.
● Never allow a child to put anything, especially metal, into the Akai MX73.

Let's protect the Akai MX73 too.
● Use only a household AC power source. Never use a DC power source.
● If water is spilled on the Akai MX73. disconnect it and call your dealer.
● Make sure that the AKai MX73 is well ventilated and away from direct sunlight.
● To ● vofd damage to the internal circuits and the external surface, keep away from heat (stoves, etc.).
● Avoid using spray type insecticide near the Akai MX73. It can damage the finish and might ignite suddenly.
● To avoid damaging the finish, never use denaturated alcohol, paint thinner or other similar chemicals to clean the Akai MX73.
● Place the Akal MX73 on the flat and solid surface.

To enjoy the Akai MX73 for a long time, please read this operator's manual thoroughly.

Should a problem persist, write down the model and serial numbers and all pertinent data regarding warranty coverage as welt as a clear description of the existing trouble. Then, contact your nearest authorized Akai Service Station, or the Service Department of Akai Electric Company, Tokyo, Japan.

Precautions

FOR CUSTOMERS IN THE UK

IMPORTANT FOR YOUR SAFETY

The flex supplied with your machine will have two wires as shown in the illustration.

TWO CORE FLEX IMPORTANT

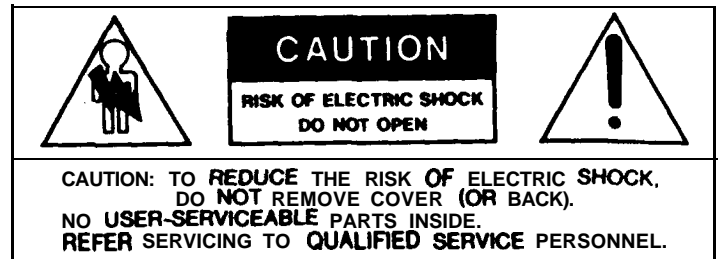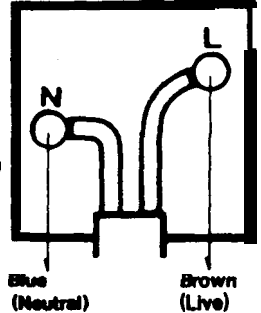The wires in this mains lead are cotoured in accordance with the following code:
  Blue: Neutral
  Brown: Live
As the colours of the wires in the mains lead of this apparatus may not correspond with the cotoured markings identifying the terminals in your plug, proceed as Mows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or cofouredbtack.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
● Do not connect any wire to the larger ptn marked E or ⏚ whe wiring a plug. Enaure that all terminals am securely tightened ε that no loose strands of wire exist.

Blue (Neutral)   Brown (Live)

```
⚠ | CAUTION            | ⚠
  | RISK OF ELECTRIC SHOCK
  | DO NOT OPEN        |
```

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with the arrowhead symbol superimposed across a graphical representation of a person, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Features

1. The MX73 can be used as a MIDI master control keyboard for control of all MIDI functions.
2. There are a total of 100 program memories (00 – 99), and four areas (I–IV) for each program.
3. Each parameter can be preset for' the four MIDI output systems (areas I-IV).
4. MIDI messages DO-34 (control change) can be set freely by four control sliders, and messages 64-95 can be set by four control switches (ON/OFF).
5. A key velocity function makes it possible to create of a natural touch response.

NOTE: The MX73 unit does not include a sound source. Use it in connection with other MIDI-compatible instruments.

Table of Contents

Specifications

Keyboard:	73-key 6-octave C scale
Internal Memory:	1 00 programs
External Memory:	Cassette interface
Functions:	Master level
	TUNE request ON/OFF
	Key transpose
	Programmable control
	Changevolumes x4
	Programmable control change switches x4
	Programmable parameters
	Wheel
	Bend
	MIDI Channel
	Program number
	Split point
	Octave shift
	POLY/MONO
	OMNI ON/OFF
	Control select
	Control switch select
	Control number set
	Switch number set
	Sustain ON/OFF
External Jacks:	MIDI OUT x2
	EXT OUT x 1
	TAPE (IN/LOAD. OUT/SAVE)
	PROGRAM UP
	SUSTAIN PEDAL
	CONTROL (1 – 4): For foot switch
	CONTROL (1 – 4): For foot control
Display:	LC display
External Dimensions:	1,152 (W) x110 (H) x364 (D) mm
Weight:	13kg

For improvement purposes. specifications and design are subject to change without notice.

3
Controls

CONTROL PANEL

MIDI PROGRAM NUMBER Button

MIDI CHANNEL Button

CONTROL VOLUMES (1—4)

MASTER VOLUME

LC Display

EXT CONTROL Button

TAPE Interface Button

BANK Button

TUNE Button

KEY TRANS Button

CONTROL SWITCHES and Indicators (1—4)

PROGRAM SELECT Buttons

EDIT Butto

WRITE Button

UP/DOWN Button

OUTLINE DIAGRAM

Program Numbers

(00~99)

00
01
02
99

Areas (I—IV)

I — ON
— OFF

II
III
IV

Parameters

MIDI CH.
SPLIT POINT
OCTAVE SHIFT
PROGRAM NUMBER
BEND SELECT
WHEEL SELECT
POLY/MONO SELECT
OMNI ON/OFF
CONTROL SW. SELECT
CONTROL VOL. SELECT

CONTROL VOL. (1—4)

1
4

MIDI Messages (Control Change) (0—31)

CONTROL SW. (1—4)

1
4

MIDI Messages (Control Change) (64—95)

SUSTAIN PEDAL SELECT
KEY VELOCITY

.iEAR PANEL

POWER Switch
Use this switch to turn the MX73 power
on and off.

CONTRAST Control
Use this control to adjust the contrast
of the display.

PEDAL SWITCH Jacks
Use these jacks to operate the control
switches using the foot switch

MIDI OUT Jacks
These are output jacks for transmitting
MIDI signals processed by the MX73
to a synthesizer, sampler, etc.

TAPE IN/OUT Jacks
Use these jacks to store memory data
set in the MX73 on a cassette tape or
to recall the data from a cassette tape.

PEDAL CONTROL Jacks
Use these jacks to control the
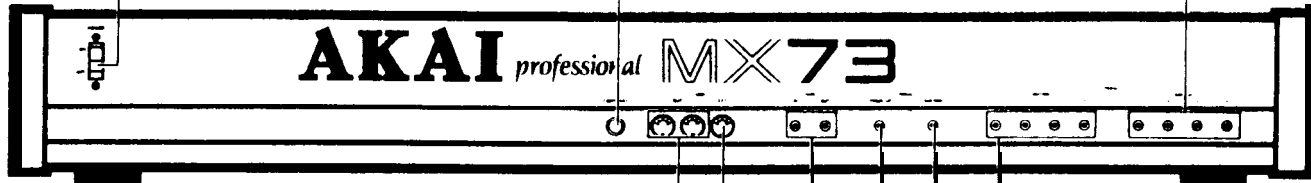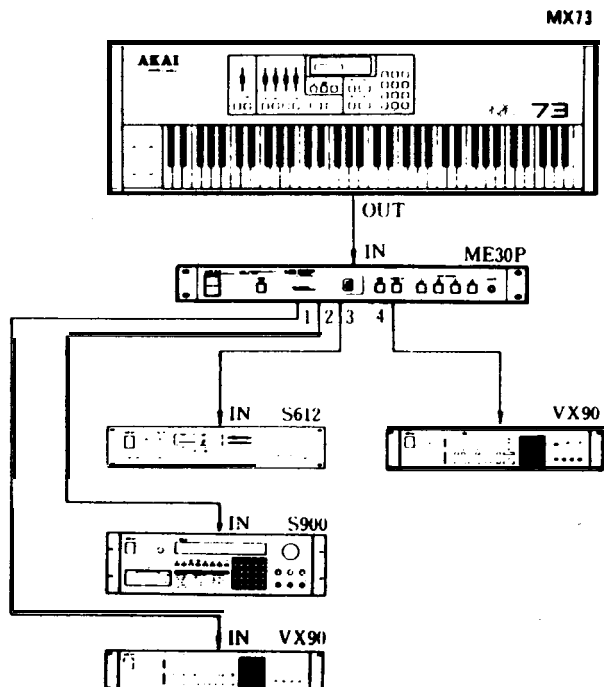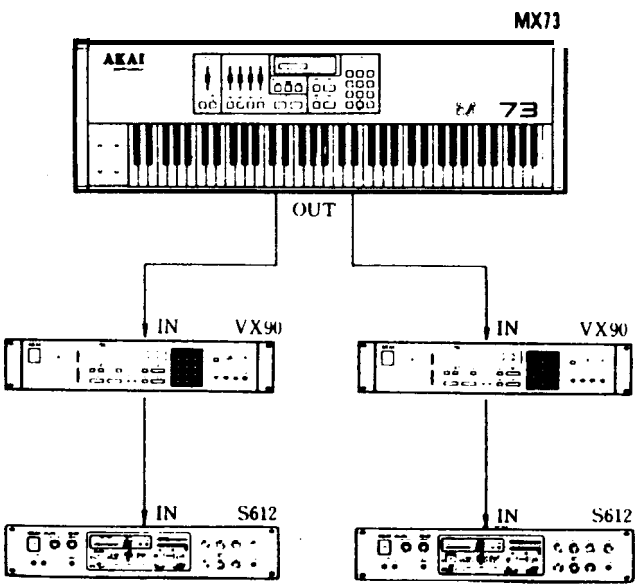CONTROL volume using the fool
switch.

EXT OUT Jack
Use this jack to transmit only program
number changes (MIDI messages).

PROGRAM UP Jack
Use this jack to switch the program
using the foot switch.

SUSTAIN Jack
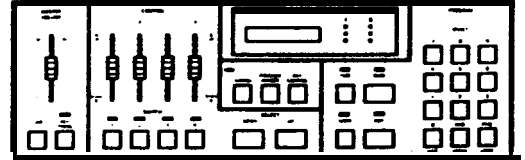Use this jack to switch the sustain data
using the loot switch.

EXAMPLE OF CONNECTIONS

5
Operating Procedures

In order to properly comprehend the MX73, we suggest you
set the parameters as shown below, checking the display at
each step.

1. Turn the POWER switch ON.
   "PLAY PROGRAM: 00" will appear on the display.

PLAY PROGRAM:00

2. Next press the EDIT button. The indicator will light. "I: MIDI
   CH. 01" will appear on the display and the MIDI channel can
   be verified.

I:MIDI   CH.O1

3. Press the FWD/LOAD button. The display will change as
   shown belcwe ach time the button onis pfessed.

   ● Checkthesplitpoint.

I:SPLIT   1C↔7C

   . Check the octave shift.

I:OCTAV SHIFT O

   ● ≈ⅢⅢ൸ the program number.

I:PROGRAM NO. 00

   ● Check whether pitch bend is ON or OFF.

I:BEND   ON

   ● Check whether the modulation wheel is ON or OFF.

I:WHEEL   ON

   ● Check whether in the MIDI POLY or MONO mode.

I:POLY MODE

● Check whether **MIDI OMNI** is ON or OFF.

> ```
> I:OMNI          OFF
> ```

● Check the velocity level.

> ```
> I:VELOCITY       18
> ```

● Check whether the control switches are ON or OFF

> ```
> I:CONTROL S W ----
> ```

● Check whether the control volumes are ON or OFF.

> ```
> I:CONTROL U L ----
> ```

● Check the control switch numbers, and value.

> ```
> CONTROL SW-1 64
> ```

● Check the control volume numbers, and value.

> ```
> 00CONTROL UL-1
> ```

● Check the sustain pedal data.

> ```
> SUSTAIN I II III IV
> ```

MX73 STATUS CHART

Parameter	Value	
MIDI cI-I.	I-16	
SPLIT POINT	1C~7C	
OCTAVE SHIFT	−3~+3	
PROGRAM NUMBER	O-127	
BEND SELECT	ON/OFF	Areas I through IV can each be set independently.
WHEEL SELECT	ON/OFF	
POLY/MONO SELECT	POLY/MONO 0~15	
OMNI ON/Off	ON/OFF	
CONTROL SW. SELECT	ON/OFF	
CONTROL VOL. SELECT	ON/OFF	
SW. No. SET	64~95	
VOL. No. SET	o-31	Same for areas I through IV.
KEY VELOCITY	I-10	
SUSTAIN PEDAL SELECT	I-IV	

Programming

- Press the EDIT button to set the MX73 to the edit mode. (The indicator will light.)

- Use the SELECT button8 (7, 4, 1 and 0) to select the area. (I~IV)

Number selection   EDIT button   Parameter selection

Area selection
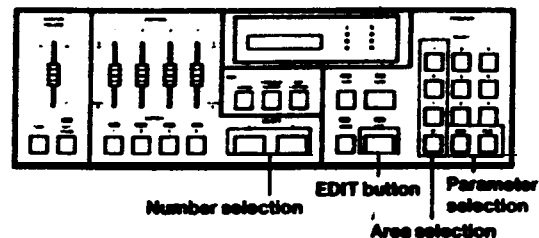
MIDI CHANNEL SETTING

1. Press the FWD/LOAD or BWD/VERIFY button to set to the MIDI CH display.

```
I:MIDI      CH.01
```

2. Press the UP or DOWN button to select the desired MIDI channel.

```
I:MIDI      CH. 05
```

SPLIT POINT SETTING

1. Press the FWD/LOAD button to set to the SPLIT display.

```
I:SPLIT     1C↔7C
```

2. Press the DOWN button to set to the lower voice setting mode. The cursor will appear on the display.

```
I:SPLIT     1C↔7C
```

3. Press the desired key. The cursor will disappear and the number of the pressed key will be displayed.

```
I:SPLIT     1C↔7C
```

4. Press the UP button to set to the upper voice setting mode. The cursor will appear on the display.

```
I:SPLIT     1C↔7C
```

6. Press the desired key. The cursor wilt disappear and the number of the pressed key will be displayed.

```
IWLIT       1C↔3C
```

- Split points cm be rot for each of Areas I—IV, so the keyboard can be split in four sections. Split points can also be set to overlap.

OCTAVE SHIFT SETTING

1. Press the **FWD/LOAD** button to set to the OCTAVE SHIFT display.

```
I:OCTAV SHIFT 0 ,
```

2. Press the UP or DOWN button to set to the desired octave value (−3 to +3).

```
I:OCTAV SHIFT +1
```

PROGRAM NUMBER SETTING

1. Press the **FWD/LOAD** button to set to the PROGRAM NO. display.

```
I:PROGRAM NO. 00
```

2. Press the UP or DOWN button to set the program number (0 to 127).
   - The program number on the MX73 is compatible with the program number on the slave side. Depending on the equipment, however, the actual program number may be different.

```
I:PROGRAM NO.127
```

PITCH BEND SETTING

1. Press the **FWD/LOAD** button to set to the BEND display.

```
I:BEND          ON
```

2. Press the UP (ON) or DOWN (OFF) button to set the pitch bend ON or OFF.
   - The amount of bend is adjusted on the stave side.

```
I:BEND          OFF
```

WHEEL SETTING

1. Press the **FWD/LOAD** button to set to the WHEEL display.

```
I:WHEEL         ON
```

Press the UP (ON) or DOWN (OFF) button to sot the modulation wheel ON or OFF.
.   Adjust the modulation wheel on the slave side.

```
I: WHEEL        OFF
```

POLY/MONO SETTING

The MIDI mode on the slave side can be set to either POLY or MONO.

1. **Press** the FWD/LOAD button to set to the POLY MODE display.

2. **Press** the UP **(POLY)** or DOWN **(MONO)** button to set the MIDI MODE.

```
| I:POLY  MODE          |
```
```
| I:MONO   MODE 00 |
```

OMNI SETTING

The MIDI mode on the slave side can be set to either OMNI ON or OMNI OFF.

1. **Press the FWD/LOAD button to set to the OMNI display.**

2. **Press the UP (ON)** or DOWN **(OFF)** button to set the MIDI MODE.

```
| I:OMNI        OFF |
```
```
| I:OMNI         ON |
```

KEY VELOCITY SETTING

This sets the strength of the MX73 key velocity. There are 10 possible steps, from 1 for no velocity to 10 for maximum strength velocity.

1. **Press the FWD/LOAD** button to **set** to the VELOCITY display.

2. **Press the UP (ON)** or **DOWN (OFF)** button to set the VELOCITY strength.

● This is only possible if the velocity function is provided on the slave equipment.

```
| I:VELOCITY   10 |
```
```
| I:VELOCITY    8 |
```

CONTROLLERS

- There are two types of controllers: control volumes and control switches.
- The control volumes (I-4) are of the continuous variable type. One MIDI message (control change) from 0 to 31 can be set for each control slider.
  The set effect becomes stronger as the slider is moved up.

- The control switches (1 – 4) are of the ON/OFF type. When ON, the LED lights.
  One MIDI message (control change) from 64 – 95 can ba set for each control switch.
  Theae eight programmable controller8 can ba used while performing for real time operation.

CONTROL SWITCH SELECTION

1. Press the FWD/LOAD button to aet to the CONTROL SW display.

```
I:CONTROL SW ----
```

2. Press the control switches (1 – 4) to turn them ON or OFF. (When ON, the switch number is displayed.)

```
I:CONTROL SW 1234
```

CONTROL VOLUME SELECTION

1. Press the FWD/LOAD button to set to the CONTROL VL display.

```
I:CONTROL VL----
```

2. Press the control switches (1 – 4) to turn the vofumea ON or OFF. (When ON, tha switch number is displayed.1

```
I:CONTROL VL1234
```

CONTROL SWITCH PRESETTING

1. Press the FWD/LOAD button to aet to the CONTROL SW-I 64 display.

```
CONTROL SW-1 64
```

2. Preaa the control switchs (I-4) to ba used.

```
CONTROL SW-3 64
```

3. Preaa the UP or DOWN button to aet tha MIDI message (64 to 95).

```
CONTROL SW-3 70
```

[CONTROL **VOLUME** PRESETTING]

1. Press the FWD/LOAD button to set to the CONTROL VL-1 01 display.

2. Press the control switchs (1 – 4) to be used

3. Press the UP or DOWN button to set the MIDI message (00 to 31).

| CONTROL UL-1 01 |

| CONTROL UL-3 01 |

| CONTROL UL-3 10 |

[**SUSTAIN** PEDAL SELECTION]

1. Press the FWD/LOAD button to set to the SUSTAIN display.

2. Press the control switchs (1 – 4) to select the area (I—IV) for which the sustain pedal is to be used.

| SUSTAIN   – – – – |

| SUSTAIN   I II-- |

[**PARAMETER** MEMORY **SETTING**]

The parameters for program numbers 00 to 99 can be stored in the memory.

1. Press the EDIT button to set to the edit mode. (The LED will light.)

2. Press the WRITE button to set to the WRITE PROGRAM – – display.

3. With the WRITE button depressed, press the BANK button and use the SELECT buttons to set the program number (00 to 99) to be stored in the memory.

● Using the above procedure, set the parameters for each area and store them in the memory. Use the procedure explained below to recall a program in the memory.

| WRITE **PROGRAM** -- |

| WRITE PROGRAM 12 |

Operations

PROGRAM SELECTION

Use the following procedure to recall a program In the memory:

1. Press the BANK button. (The LED will light.)

2. Use the SELECT buttons to select the desired program number. (00 to 99)

3. When the program number is selected, the number of the selected program will appear on the display as follows: PLAY PROGRAM: 12
It is now possible to perform using the parameters set in the memory for program number 12.
When the control switches (1—4) set by the parameter are pressed at this time, the sustain data for the connected sound source can be controlled using the foot switch.
Also, the control sliders (1—4) set by the parameter can be used to control the modulation, portamento, etc.

   NOTE: Avoid operating the modulatkn control or master volume after setting the control sliders.
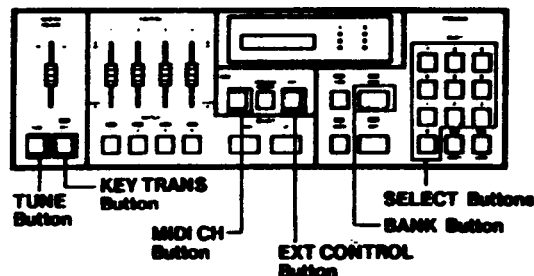
```
PLAY PROGRAM:12
```

CHANGING THE MIDI CHANNEL

1. When the MIDI CH button is pressed, the MIDI channel for each area is displayed.

2. With the MIDI CH button depressed, press the FWD or BWD button to move the cursor to the area to be changed.

3. With the MIDI CH but&n depressed, press the UP or DOWN button to change the MIDI channel.
   ● An area (I to IV) can be turned OFF by setting the MIDI channel display to "—".
NOTE: The changed data is cancelled when the power is turned OFF or program select button is pressed. Use the WRITE button to store the changed data in the memory.

Area I	Area II	Area III	Area IV
01	06	16	86

```
81 86 16 86
```

```
01   068906
```

```
01 86 -- 86
```

EXT CONTROL Operation

. When the EXT CONTROL button is pressed, the number of the program currently playing is displayed. (The LED will light.)

```
EXT PROGRAM 12
```

2. Press the BANK button. then use the SELECT buttons to set the program number (00 − 99).

EXT PROGRAM − −

3. The data for this program number is transmitted once only from the EXT OUT jack.

EXT PROGRAM 16

NOTE: When the EXT CONTROL button is released, the EXT OUT jack can be used for the normal MIDI OUT operahon. This program number is not stored in the memory.

[CHANGING THE PROGRAM NUMBER]

1. When the MIDI PROGRAM NUMBER button is pressed, the program number (1 − 127) for each area is displayed.

01 62 46 127

2. With the MIDI PROGRAM NUMBER button depressed, press the FWD or BWD button to move the cursor to the area to be changed.

01 62 46 127

3. With the MIDI PROGRAM NUMBER button depressed, press the UP or DOWN button to change the program number.

01 62 46 95

[KEY TRANS BUTTON]

1. A key is transposed by depressing the KEY TRANS button and pressing the desired key. (The LED will light.)

TRANSPOSE −D♯

2. When the KEY TRANS button is pressed again, the LED will turn off and the key will no longer be transposed.
   ● The range for transposing is 2C♯ − 3C − 3B with 3C at the center.

[TUNE BUTTON]

As there is no sound source in the MX73. pressing the, TUNE button transmits a tune request message to the slave side. When the TUNE button is depressed, "TUNE REQUEST" is displayed and all the connected MIDI sound sources are tuned.
NOTE: The TUNE function only operates when the equipment on the slave side is equipped with a tune request function.

<TUNE REQUEST>

Example of Programming Patterns
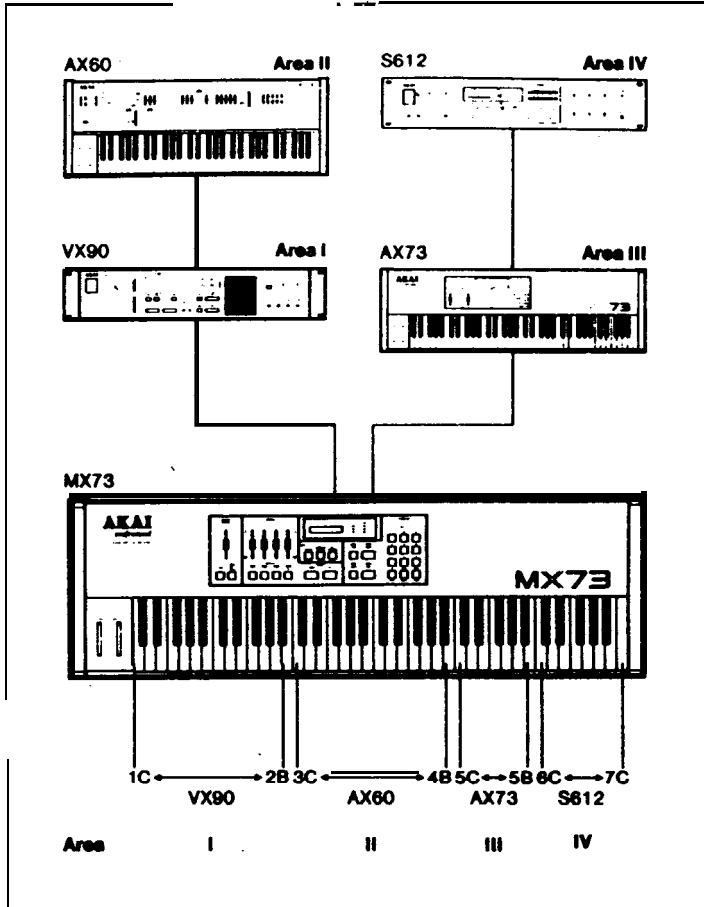
Splitting Keyboard Into 4 Sound Sources

Example
1. **Use Area I for the harmony, Area II for the melody, and Areas III** and IV for effects.

    I → **Electric Piano**   II -Flute
    III -Wind   IV -Orchestra

Example
2. Set each area to a percussion instrument and use **the** keyboard as a rhythm box.

    I -Tam-tams   II -snares
    III -Chimes   IV → **Handclaps**

Example
3. This **method** can also **be** used to check **the** tuning, volume. or tone of the **different** instruments.

	Area I **VX90**	**Area** II **AX60**	Area **III** Ax73	**Area IV** **S612**
MIDI **CH.**	1	2	3	4
SPLIT POINT	1C ↔ 2B	3C ↔ 4B	5C ↔ 5B	6C ↔ 7C
OCTAVE SHIFT	+1	0	+1	- 2
PROGRAM NUMBER				
BEND SELECT	OFF	ON	OFF	OFF
WHEEL SELECT	OFF	ON	OFF	OFF
POLY/MONO SELECT	POLY	POLY	MONO	MONO
OMNI ON/OFF	OFF	OFF	OFF	OFF
CONTROL SW. SELECT	1 •••	1---	1 ---	1 ---
CONTROL VOL. SELECT	12--	12--	12--	1 •••
SW. NO. SET	SW-1 64	SW-1 64	SW-1 64	SW-1 64
VOL. No. SET	VL-1 01 VL-2 07	VL-101 VL-2 07	VL-101 VL- 207	VL-101 VL- 207
KEY VELOCITY	3	10	10	'10
(STAIN PEDAL	ON	ON	OFF	OFF

AX60   Area II   S612   Area IV

VX90   Area I   S900   Area III

AKAI   MX73

1C ← → 2B 3C ← → 7C

AX60   S612
VX90   S900

Area   I, II   III,IV
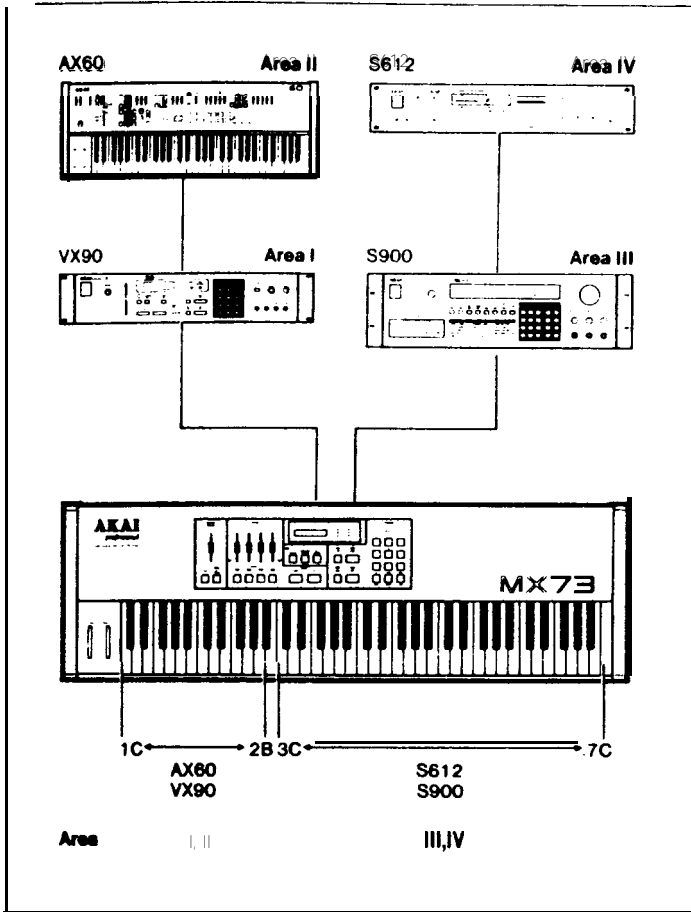
Splitting Keyboard Into 2 and Using for 4 Sound Sources

In this method, two sound sources can be mixed to form a voice, providing rich possibilities for expression.
Areas I and II: Harmony
Areas III and IV: Melody
Of
Areas I and II: Base
Areas III and IV: Harmony
Many other patterns can also be used.

	VX90	AX60	S900	S612
MIDI CH.	1	2	3	4
SPLIT POINT	1C ↔ 2B	1C ↔ 2B	3c ↔ 7C	3c ↔ 7C
OCTAVE	+1	0	+1	-2
PROGRAM NUMBER	--	--	--	
BEND SELECT	OFF	OFF	ON	ON
WHEEL	ON	ON	ON	ON
POLY/MONO	POLY	POLY	POLY	POLY
OMNI ON/OFF	OFF	OFF	OFF	OFF
CON SW. SEL.	1 ...	1 - - -	I - - -	I - - -
CON VOL. SEL.	1 2 - -	1 2 - -	1 2 - -	1 2 - -
SW. NO. SEL.	SW-I 64	SW-I 64	SW-I 64	SW-I 6 4
VOL. NO. SEL.	VL-1 01 VL-2 07	VL-1 01 VL-2 07	VL-1 01 VL-2 07	VL-1 01 VL-2 07
KEY VEL.	3	10	10	1 0
SUSTAIN Pedal	ON	ON	OFF	OFF

Splitting Keyboard Into 2, Using 3 sound Sources in the Same Areas

- Three sound sources can be used to create complex voices. As the range is wide, this method is especially suited for piano sounds.
  This method is also effective with strings, brass, and voice sounds. An ensemble effect can be obtained by slightly offsetting the three pitches.
- Use Area IV for special sound effects, animal noises for example.
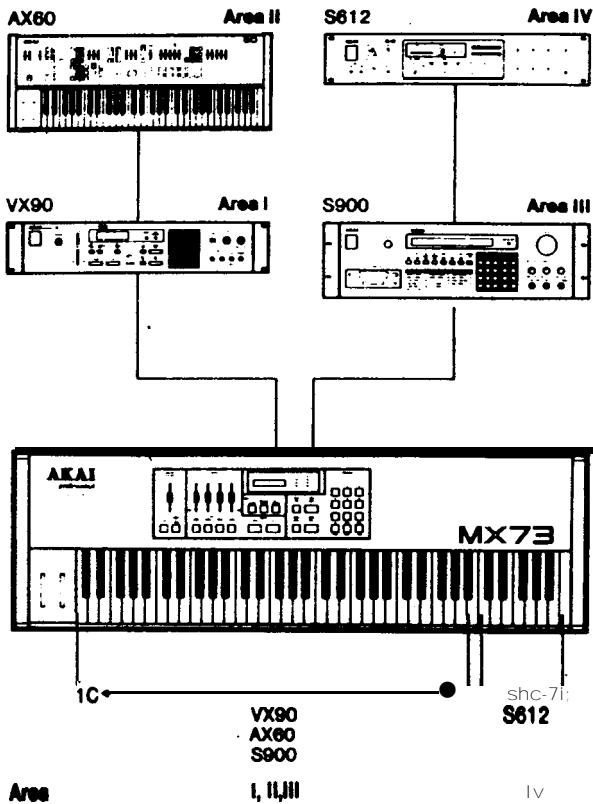
	VX90	Ax60	S900	S612
MIDI CH.	1	2	3	4
SPLIT POINT	1C ↔ 5B	1C ↔ 5B	1C ↔ 5B	6C ↔ 7C
OCTAVE	+1	0	+1	−2
PROGRAM NO.			−	
BEND SEL.	ON	ON	ON	OFF
WHEEL	ON	ON	ON	OFF
POLY/MONO	POLY	POLY	POLY	POLY
OMNI ON/OFF	OFF	OFF	OFF	OFF
CON SW. SEL.	1 - - -	1 - - -	1 - - -	1 - - -
CON VOL. SEL.	12--	12--	12--	12--
SW. NO. BEL.	SW-1 64	SW-1 64	SW-1 64	SW-1 64
VOL. No. BEL.	VL-101 VL-2 07	VL-101 M-2 07	VL-1 01 VL-2 07	VL-101 VL-2 07
KEY VEL.	3	10	10	10
SUSTAIN PEDAL	ON	ON	ON	ON

Tape Interface

SAVE/VERIFY/LOAD

The MX73 is equipped with an input and output jack and tape interface functions making it possible to store the parameters set in the program memory on a cassette tape. The tape interface functions include the save mode for outputing the program parameters and recording them on a cassette tape, the verify mode for checking whether the parameters recorded on the tape are correct, and the load mode for resetting the parameters recorded on the tape back onto the MX73.
The programs can be seved, verified. or loaded either one bank at a time or all at once (0 to 99).

- It is advisable to use the same cassette tape and recorder for both recording and playback.
- Do not subject the cassette recorder to shock or vibration when saving or loading, as this will make it impossible to save or load the parameters correctly.
- It is advisable to save two copies of the same parameters (one for backup) in case for some reason one is destroyed.
- It is not advisable to copy the parameters from one tape recorder onto another, as it is sometimes not possible to make correct copies.

CONNECTIONS

Connect a cassette recorder to the MX73 TAPE IN/OUT jacks.

PROCEDURE

- Saving (Verifying, Loading)

1. Set the connected tape recorder to the record mode (Playback mode for for Vefifying and Loading).
2. Press the TAPE button. (The LED will light.)

TAPE:SELECT S,V,L

3. Press the SAVE (VERIFY, LOAD) button.
"TAPE: SAVE ALL" will appear on the display, indicating that it is possible to save all the programs.

TAPE:SAVE ALL

4. To save only one bank, press the UP or DOWN button to select the bank number.

TAPE:SAVE 9

5. Press the SAVE (VERIFY, LOAD) button. "TAPE: SAV START" will appear on the display, and counting will star, after several seconds.

TAPE:SAVE START

6. "SAVE END" will appear on the display when all the data has been saved. (In the verify mode, "GOOD" will be displayed.

TAPE:SAVE END

If there is an error in the verify mode, change the tape recorder's output level and perform the verify operation several times. If there is still an error, change the tape and save the voice data. Also fill in the data for the parameters on a data sheet. If data is for some reason destroyed, use this follow sheet and reset the same voice data.

[MIDI Master **KeyBoard**]
Model **MX** - 73 MIDI Implementation Chart Version **:1.0**

Function . . .	Transmitted	Recognized	Remarks
Basic Default Channel Changed	1 - 16 1 - 16	× ×	• memorized
Mode Default Messages' Altered	MODE **1·2·3·4** OMNI ON/OFF **M.P** **************	× × ×	memorized
Note Number : True voice	00 - 120 *************	× ×	
Velocity Note ON Note OFF	**9nH V=1-127** **9nH V=O ,8nH**	× ×	
After Key's Touch Ch's	× ×	× ×	
Pitch Bender	O	×	7 bit RESO

Control   1
              4
              7
       8 - 3
Change'   64
               65
        66 - 95
	O
	O
	O
	1 O
	O
	O
	O
		×
		×
		×
		×
		X
		X
		X
			Modulation
			Foot Controller
			Volume
			Continuous
			Sustain foot sw
			Portament sw
			Switches(on/off)

Prog Change : True **#**	0 0 - 127 *************	X X	
System Exclusive	X	X	
System : Song Pos : Song **Sel** Common : Tune	X × O	X X ×	
System **:Clock** Real Time **:Commands**	X x	X X	
Aux , :Local ON/OFF **:All** Notes OFF **Mes- :Active** Sense **sages:Reset**	× O x X	X X X X	
Notes MIDI EXT Output Jack	The MIDI EXT output jack transmits **only Prog Change** messages **(0-99)** when the EXT CONTROL switch is "ON", otherwise works as other MIDI. **OUT** jacks		

Mode 1 : OMNI ON, **POLY**   Mode 2 : OMNI ON, MONO   O : **Yes**
Mode 3 **: OMNI OFF,** POLY   Mode **4 : OMNI OFF, MONO**   x : **no**