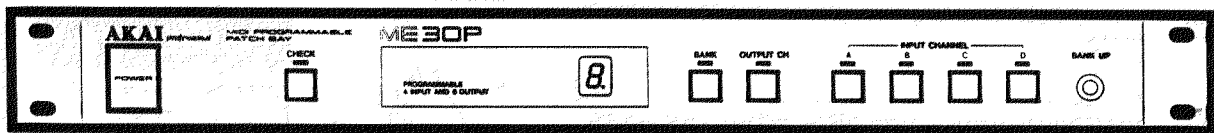


AKAI

professional

ME30P

MIDI PROGRAMMABLE PATCH BAY



WARNING

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

Operator's Manual

Warning

Power requirements

Power requirements for electrical equipment differ from area to area. Please ensure that your machine meets the power requirements in your area.

If in doubt, consult a qualified electrician.

120V, 60 Hz for USA and Canada

220 V, 50 Hz for Europe except UK

240 V, 50 Hz for UK and Australia

What you should know to protect yourself and the Akai ME30P.

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.
- Only let a qualified professional repair or reassemble the Akai ME30P. 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 ME30P.

Let's protect the Akai ME30P too.

- Use only a household AC power source. Never use a DC power source.
- If water is spilled on the Akai ME30P, disconnect it and call your dealer.
- Make sure that the Akai ME30P is well ventilated and away from direct sunlight.
- To avoid damage to the internal circuits and the external surface, keep away from heat (stoves, etc.).
- Avoid using spray type insecticide near the Akai ME30P. It can damage the finish and might ignite suddenly.
- To avoid damaging the finish, never use denatured alcohol, paint thinner or other similar chemicals to clean the Akai ME30P.
- Place the Akai ME30P on a flat and solid surface.

To enjoy the Akai ME30P 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 well 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 either two wires or three, as shown in the illustrations.

TWO CORE FLEX IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

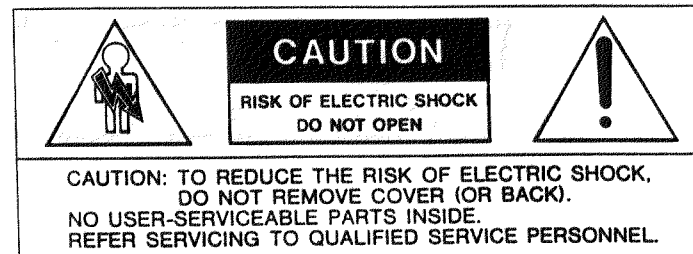
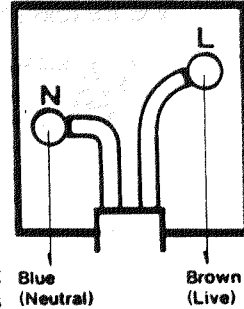
Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

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 pin marked E or \perp when wiring a plug. Ensure that all terminals are securely tightened and that no loose strands of wire exist.



- 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

Specifications

The ME30P is an exclusive MIDI programmable patch bay which makes it possible to functionally perform mutual MIDI signal connections of musical instruments, effectors, mixers, and other MIDI equipment.

1. Patching of signals from up to 4 MIDI units to a maximum of 8 MIDI units is possible. (Signals are all THRU.)
2. The patch data is stored in banks. By switching banks, it is possible to recall 15 different types of data.
(The bank can be switched by the MIDI program changing data of the equipment connected to the D channel.)
3. The ME30P is equipped with a function for checking the input and output connections.
(The signals in MIDI pitch number 69 are transmitted at each input.)

- **Connection Terminals**
INPUT MIDI/IN (DIN/5P) × 4
OUTPUT MIDI/THRU (DIN/5P) × 8
BANK UP (Foot switch/Standard phone jack) × 1
 - **Functions**
POWER ON/OFF
DISPLAY 7-segment red LEDs w/point × 1
BANK (Bank Selection) 1~9, A~F
OUTPUT CH (Output Channel Assignment) 1~8
INPUT CHANNEL (Input Channel Selection) A~D
CHECK (Check Mode Switch) ON/OFF
 - **Memory Bank** × 15
 - **Power requirements** 120 V, 60 Hz for USA and Canada
220 V, 50 Hz for Europe except UK
240 V, 50 Hz for UK and Australia
 - **Front Panel** E1A-1U rack mount type
 - **Maximum External Dimensions** 482.6 (W) × 45.7 (H) × 120 (D) mm
 - **Weight** 1.9 kg
- * For improvement purposes, specifications and design are subject to change without notice.

Table of Contents

Warning, precautions	1
Features, Specifications	2
Controls	3
Connections and Operation	4~5
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Controls

POWER Switch

Use this switch to turn the ME30P power on and off. When the power is turned on, the LED display shows bank number 1.

LED Display

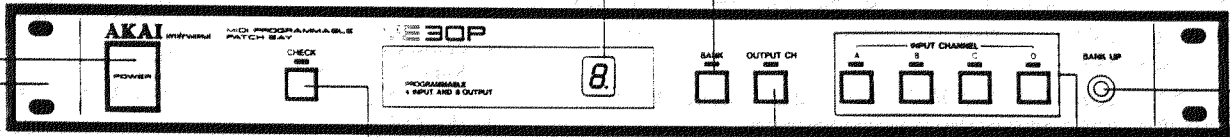
This display indicates the bank number (1-9, A-F) or output channel number (1-8). Also, a red dot (●) lights to show that the selected input channel is connected to the assigned output channel.

BANK Switch and Indicator

Use this switch to select the memory bank. It is possible to store 15 different types of patch data.

BANK UP Jack

Use this jack to connect a foot switch. It is possible to switch the bank number using the foot switch.



EIA 1U Rack Mount Type Front Panel

To use the ME30P on a rack, be sure to use an EIA rack and attach the ME30P securely using screws.

CHECK Switch and Indicator

Use this switch to check connections.

OUTPUT CH Switches and Indicator

Use these switches to assign one of the 8 output channels.

INPUT CHANNEL Switches and Indicators

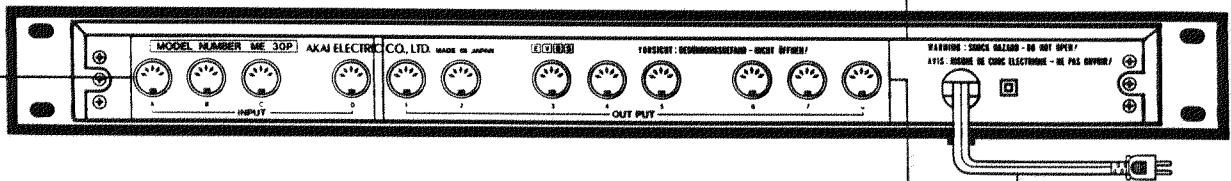
Use these switches to select one of the 4 input channels.

Before connecting

- Make sure that the power for the equipment to be connected is OFF.
- Make sure that the plugs are securely inserted into the jacks.

ME30P Cabinet and Rear Panel

Do not loosen any screws or remove the cabinet or panel, as this may result in malfunctions. For directions on cleaning, refer to Section 2.



INPUT (A-D) Jacks

These are input jacks exclusively for MIDI signals. Connect to the MIDI OUT jack of a sequencer, keyboard and other unit. With the D channel input only, it is possible to switch the ME30P bank number with the program change data of a keyboard, etc.

OUTPUT (1-8) Jacks

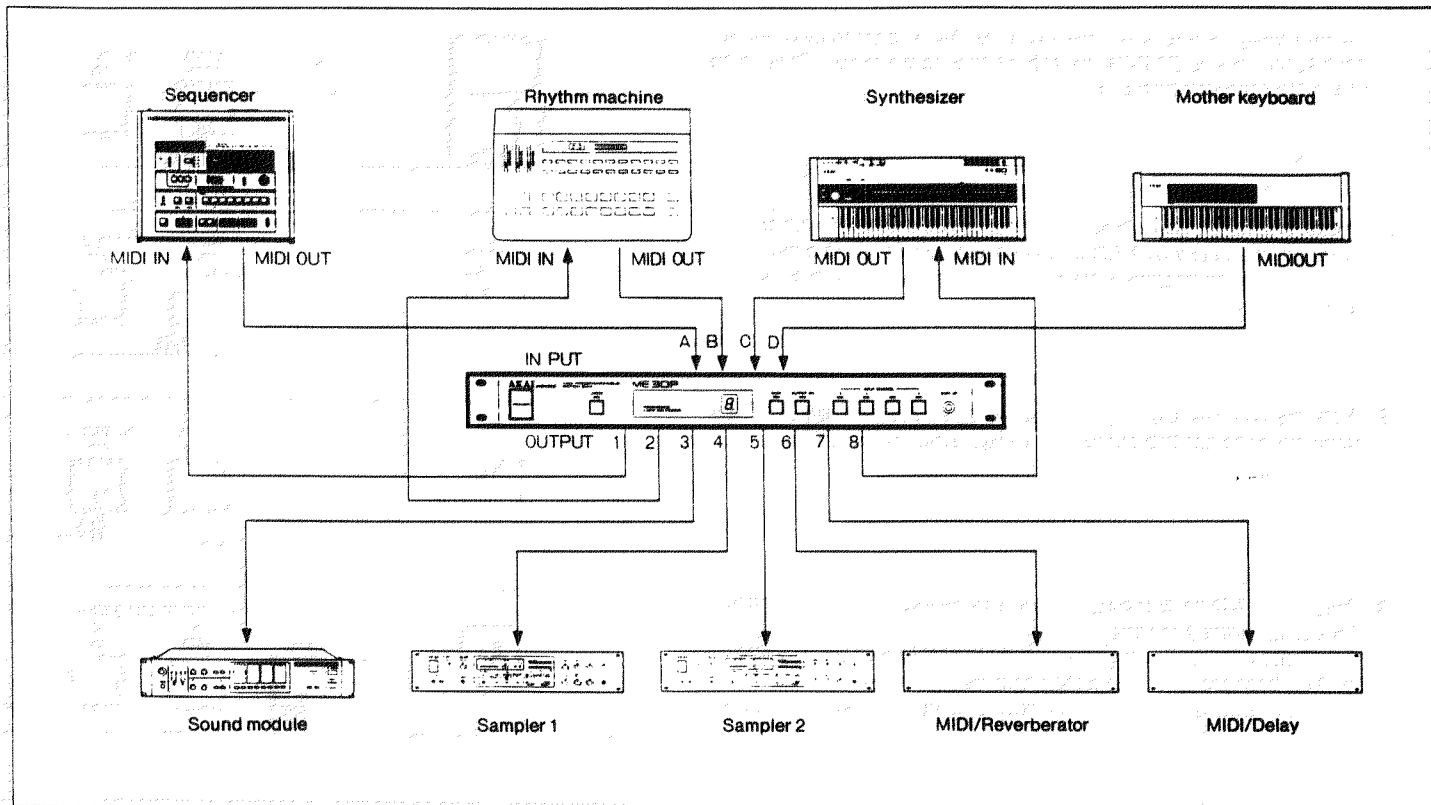
These are output jacks exclusively for MIDI signals. The MIDI data is output in exactly the same form as the signals which have been input (THRU). Connect these jacks to the MIDI IN jacks of a sound module, sampler, keyboard, etc.

Power Cord and Plug

Connect the power cord to a household AC outlet.

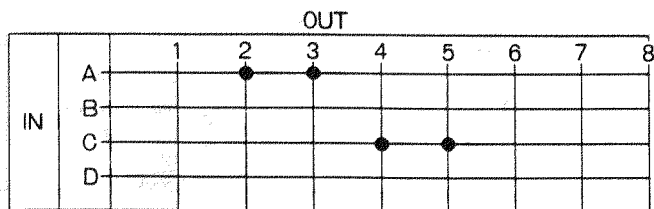
Connections and Operation

Equipment Used in Example of Connection



- Be sure to use exclusive MIDI cords (DIN/5P plug) for input and output connections.

Example of Patching Set up I

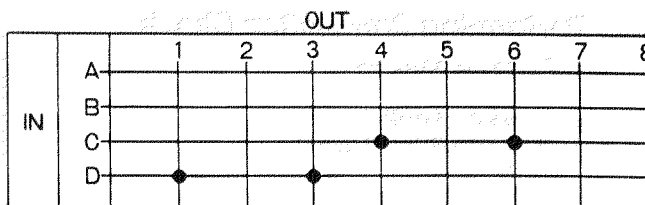


The (●) marks indicate connections.

• Description of Operations I

- (1) Synchronizing of sound module and rhythm machine using the sequencer.
- (2) Running samplers 1 and 2 through synthesizer.

Example of Patching Set up II

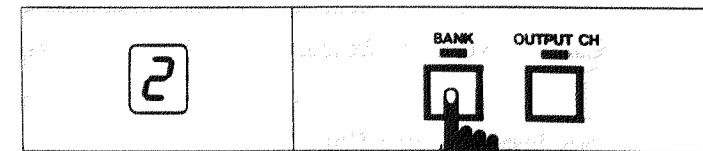
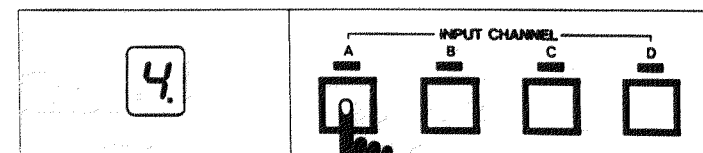
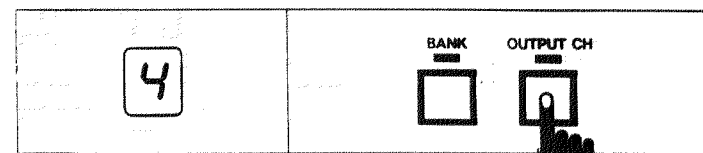
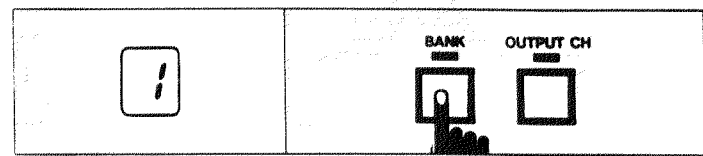
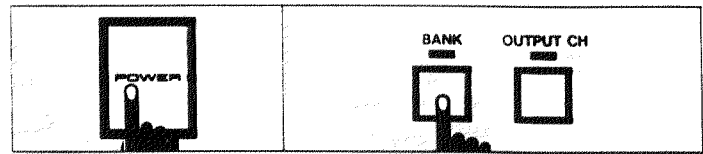


• Description of Operations II

- (1) Input of playback data to sequencer on mother keyboard.
- (2) Running sampler 1 through synthesizer.
- (3) Selection of MIDI reverberator memory bank by changing synthesizer program.

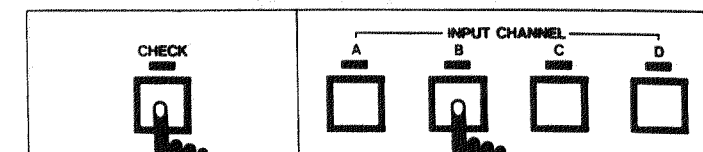
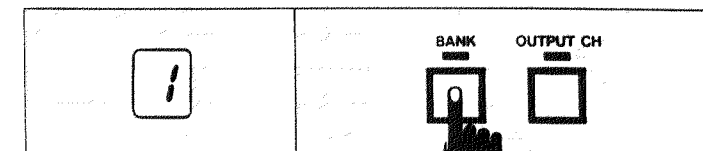
OPERATION

- When using for the first time, hold the **BANK** switch depressed and turn on the **POWER** switch at the same time. (This is to clear the memory banks.)
- Press the **BANK** switch and set the desired bank number. The number indicated by LED is increased each time the switch is pressed. After pressed 10 times, letters A through F will be displayed.
- Assign the output by pressing the desired **OUTPUT CH** switch(es) to set the corresponding output channel(s).
- Press the **INPUT CHANNEL** switch to select the input channel for the assigned output. A red dot will be displayed to verify that this has been done.
 - The first group in the patch has now been set. To set subsequent groups, repeat steps (3) and (4) above.
- Press the **BANK** switch to set other bank numbers, then follow steps (3) and (4) above to set other patches.



Performing Connection Check

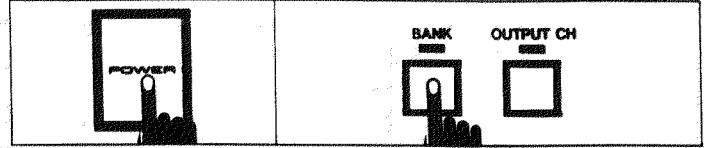
- Press the **BANK** switch.
- Press the **CHECK** switch. (The indicator will light.)
- When the **INPUT CHANNEL** switch is pressed, the MIDI pitch number 69 signal is transmitted to all equipment connected to that input.
- The check mode is cancelled by pressing the **CHECK** switch once again. After doing this, make sure the indicator has turned off.



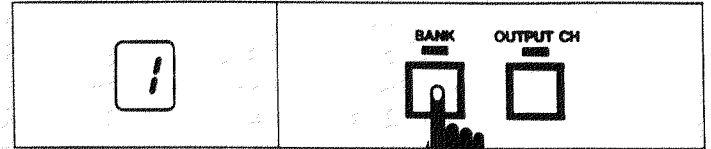
NOTE: Be sure to press the **CHECK** switch to cancel the check mode. If an **OUTPUT CH** switch is pressed while the **CHECK** indicator is lit, the input signals of the connected equipment will not be received and normal operation will become impossible.

Changing Patch Data

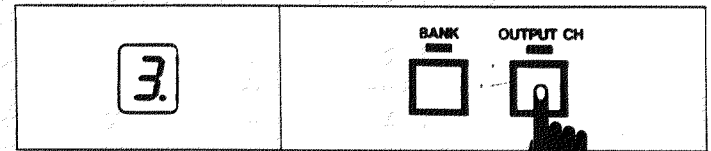
1. The most efficient method of changing all patch data is to clear the memory banks. To do this, hold the **BANK** switch depressed and turn on the **POWER** switch at the same time. Use the following procedure to change only a portion of the patch data:



2. Press the **BANK** switch to set the number of the bank for which the patch data is to be changed.

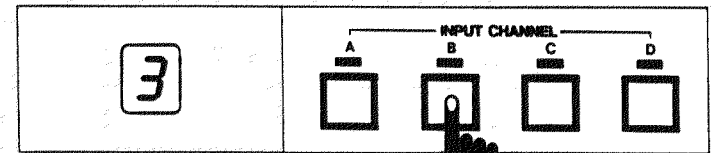


3. Press the desired **OUTPUT CH** switch(es) to set the output(s) for the new group.



4. To clear: Press the switch for which the **INPUT CHANNEL** indicator is lit. (The dot on the LED display will disappear.)

To change: Press another **INPUT CHANNEL** switch.



NOTE: Faulty connections can be prevented by cancelling all settings before re-inputting the patch data.

Notes on Operation

1. It is impossible to connect more than one input channel to a single output channel.
Patching Example

		OUT							
IN	A								
	B								
	C	●							
	D	●							

2. The ME30P bank number is switched by program change data #1 through #15 of the keyboard, etc. connected to the D channel input.
For this reason, special care is necessary when operating the keyboard or other equipment connected to the D channel input.

PROGRAM CHANGE	1~9	10~15
ME30P/BANK	1~9	A~F

3. Though the ME30P has a function for verifying the input channel connected to the output channel each time the **OUTPUT CH** switch is pressed, you may find it helpful to copy the program sheet on the next page, and fill in the setup for each bank.

NOTE: When the bank is switched, the number 123 ALL NOTE OFF signal is produced. If equipment which does not receive this signal is connected, the equipment will continue to produce sound when the bank is switched during sound reproduction.

ME30P Program Sheet

BANK	A	B	C	D
1	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
2	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
3	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
4	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
5	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
6	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
7	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
9	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
10	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
11	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
12	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
13	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
14	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
15	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8

<INPUT>

A	
B	
C	
D	

<OUTPUT>

1	
2	
3	
4	
5	
6	
7	
8	

