

AKAI
professional

ME30PI

MIDI PROGRAMMABLE PATCH BAY

WARNING

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



©870901EMI1
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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 its 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 rear panel is set to the voltage for your area.

If not, please set it correctly before plugging in the power cord.

220V, 50Hz for Europe except the UK.

240V, 50Hz for UK and Australia.

120V, 60Hz 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.

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

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 equipment. 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 equipment.

Let's protect the Akai ME30P II too.

- Use only a household AC power source. Never use a DC power source.
- If water is spilled on the equipment, disconnect the power and call your dealer.
- Make sure that the equipment 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 equipment. 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 equipment.
- Place the equipment on a flat and solid surface.

To enjoy the Akai ME30P II 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.

Precaution

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 coloured in accordance with the following code:

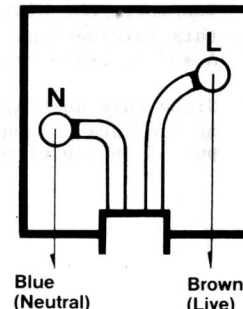
Blue: Neutral

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 \equiv 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.

Note: This unit is not equipped with a voltage selector.

Features

ME30PII is a programmable patch bay exclusively for MIDI which can functionally connect MIDI signals between electronic instruments, effectors and mixers that are equipped with MIDI.

- * Connects four channels of MIDI signals input with any of the eight MIDI channel terminals.
- * Stores the programmed patch information to 32 memory banks.
- * Can merge the MIDI information from Channel A and Channel B and send this information. Can also send the original information from Channels A and B, aside from the "merged" MIDI information.
- * Since this an EIA/1U size equipment, we recommend that you mount it on an EIA rack. When mounting this equipment in a rack, be sure not to put it on top of equipment that produces extreme heat.

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Directions Before Use

- For safe use of this equipment
- Use only AC 100V power. Do not connect ME30PII to AC power of over 100V or to DC power.
- Never pull on the electric cord because it will damage the cord. Always hold the plug when pushing in and pulling out the cord from the power outlet. Also do not touch the plug with wet hands.
- Turn off the power after use to conserve electricity. Pull out the plug from the power outlet when not using ME30PII for a long period of time.
- Do not let any metals, such as wires, pins and coins, or flammable material drop inside the opening. Also do not place any containers containing liquids on or near the equipment.
- Do not remodel! It will not only inhibit the performance of the equipment, but may also cause damage.
- To use this equipment under the optimum condition, we do not recommend using it in the following places.
 1. Near heating equipment or in direct sunlight.
 2. Place with high humidity or dust.
 3. Place with bad ventilation.
 4. Extremely cold place.
 5. Place likely to be affected by vibration.
- Maintenance of cabinet and panel.

Wipe stains and dust off with a soft dry cloth. For strong stains, wipe the surface with a soft cloth with a small quantity of diluted dish soap or neutral detergent but do not leave any detergent on the surface. Never use volatile chemicals such as paint thinner or benzene because they will damage the finish of the surface.

Names of Each Section and Function

- Front panel (see the panel diagram)

- (1) POWER

Used when switching the power on and off. When power is turned on, [Bank Number: 1] appears on the display.

- (2) BANK/DOWN

When this switch is held down, bank number moves in descending order. Bank number decreases one step each time the switch is pressed.

- (3) BANK/UP

When this switch is held down, bank number moves in ascending order. Bank number increases one step each time the switch is pressed.

- (4) INPUT

Switch for selecting the input channel. Each time the switch is pressed, channels A → b → C → d → Ab → A → ... will be shown on the display.

Note: Channel: Ab refers to data made after merging the information in Channel A and Channel B.

- (5) DISPLAY

Display using a seven-segmented red LED. Depending on the mode, two digit red LED provides various information such as bank number (b- 1 ~ 32), input channel (A ~ d, Ab), blocked reception of program change information (--) and MIDI channel number.

- (6) OUTPUT

Switches No. 1 through No. 8 select the output channel during patch programming. The [MIDI] switch at No. 7 is used for "Blocked reception of program change information" and setting the [MIDI Channel]. The [COPY] switch at No. 8 is used for conducting [Bank Copy].

- (7) BANK UP/DOWN

Foot switch used to switch the bank number.

- Rear panel (see the panel diagram)

- (1) INPUT

Input terminal for MIDI signals. Connected to MIDI OUT of sequencers and keyboards.

- (2) OUTPUT

Output terminal exclusively for MIDI signals. Connected to MIDI IN of sound modules, samplers and keyboards. Basically designed to function also as [THRU] which outputs the MIDI information inputted as it is.

- (3) Power cord. Connect the plug to the power outlet.

How to Operate

- Before turning on the power ...

Only use MIDI cables to connect MIDI IN and MIDI OUT terminals.

- Input channel A is assigned initially to the channels 1 ~ 8 of output channels by the bank program. You can change this assignment as needed.

- Block reception of program change information and designation of MIDI channel ...

By pressing the No. 7 switch of [MIDI/OUTPUT] when the display is showing the bank number, LED at No. 7 will blink in yellow and ME30PII will go into "Blocked reception of program change information and designation of MIDI channel" mode. (MIDI channel is assigned to channel 1 before delivery from our factory.)

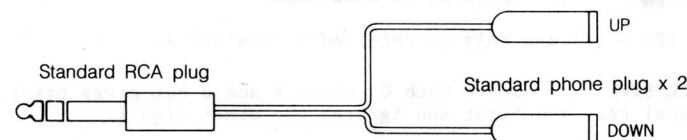
1. How to block the reception or program change information
Press the [BANK DOWN] switch and call [--]. When controlling ME30PII by program change information that enters Channel A, press the [BANK UP] switch and call [MIDI CHANNEL]. The equipment is normally used in "Blocked reception of program change information" mode.
2. Pressing the No. 7 switch of [MIDI/OUTPUT] returns ME30PII to "Blocked reception of program change information" mode and the display will show the bank number.

Procedures for Patch Programming

- Programming operation is simplified by copying the "DATA SHEET/Reverse side of the panel diagram" on the separate sheet in advance and filling in the patching plan. It will also be useful as a note for reediting.
1. First, press [BANK UP] or [BANK DOWN] switch to select the desired bank number. ME30PII has 32 memory banks. Data stored in these banks is not cleared when the power is turned off because these memory banks are backed up by lithium battery.
 2. Then press [INPUT] switch and select the input channel, e.g. Channel [A].
 3. Then look at the LEDs on top of [OUTPUT] switches No. 1 through No. 8. If all LEDs are blinking green, patching can be done on No. 1 through No. 8 at the selected input channel. The LEDs that are blinking red indicate that patching has been done on those input channels. The LEDs that are not blinking indicate that they have been patched on another input channel. If that is the case, patching cannot be done on that input channel unless the other patching is canceled.
 4. Then select and press the switch number to be patched from those with LEDs that are blinking green. Then the LED of that number will blink red and that number will be patched. If the switch of a number with an LED which is blinking red is pressed, that LED will blink green and patching on that number will be canceled.
 5. Follow procedures 2 through 4 to program the patching on other input channels. Patch data is recorded during the programming.
 6. When programming a different bank number, repeat procedures 1 through 4.

Bank Copy/Bank Change

- ME30PII has a function which can copy the patch data on one channel to another bank. Bank copy can be done easily.
1. First call the bank in which the data you want to copy is stored by pressing [BANK UP/DOWN] switch.
 2. Then press the No. 8 switch of [COPY OUTPUT].
 3. Designate the bank number you want to copy to by pressing [BANK UP/DOWN] switch.
 4. Copy is completed by pressing the No. 8 switch of [COPY OUTPUT] once more.
- ME30PII uses [BANK UP/DOWN] switch to change the bank number, but this can also be done with a foot switch.
- A. When using one foot switch, insert the foot switch plug into the [BANK UP/DOWN] switch input on the front panel. This will enable the foot switch to control only the [BANK UP] function.
 - B. When using two foot switches, both [BANK UP] and [BANK DOWN] can be controlled. Prepare "standard RCA plug—standard phone plug x 2" cable. Insert the standard RCA plug side to the [BANK UP/DOWN] input on the front panel of ME30PII. Then insert the plugs from two foot switches to the standard phone jack.



Specifications

o Connection terminals

INPUT	MIDI IN(DIN/5P) x 4
OUTPUT	MIDI THRU(DIN/5P) x 8
BANK UP/DOWN for foot switch/standard RCA	1

o Functions

POWER switch	1
BANK UP switch	1
BANK DOWN switch	1
INPUT switch	1
OUTPUT switch	8
MIDI (No. 7 switch of OUTPUT)	
COPY (No. 8 switch of OUTPUT)	

o Display	7 segmented red LED/two digits
o Indicator	red/green two colored LED x 8
o Memory bank	32
o Power consumption	4W
o Front panel shape	EIA-1U rack mount
o Maximum external dimension	482.6(W) x 45.7(H) x 120(D) mm
o Weight	2 kg

* Specifications and external appearance may be changed for improvement without notice.

(Channels during merge: Regarding Ab MIDI data)

- MIDI SYNC (F8 ~ FF) can only be received by Channel A.
- SYSTEM EXCLUSIVE can receive both Channels A and B but gives priority to the signal received first and ignores the other signal.
- Both Channels A and B do not accept ALL NOTE OFF.

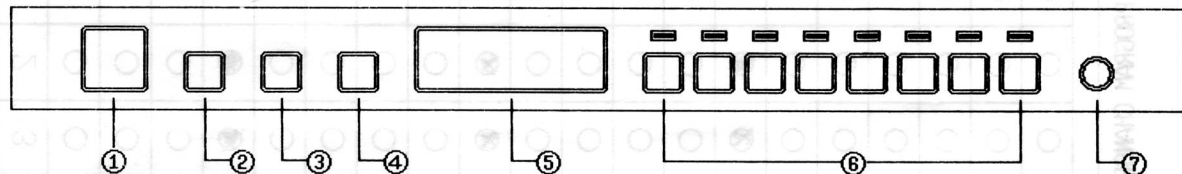
2 TAC	C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	D	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	AB	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3 TAC Piano	A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	D	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	AB	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
4 TAC	A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
	D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	AB	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

NOTE : ☐ MIDI PROGRAM CHANGE OFF / MIDI CHANNEL NO. _____

Make a copy of this sheet.

AKAI MIDI PROGRAMMABLE PATCH BAY ME30PII

【 FRONT VIEW 】



【 REAR VIEW 】

