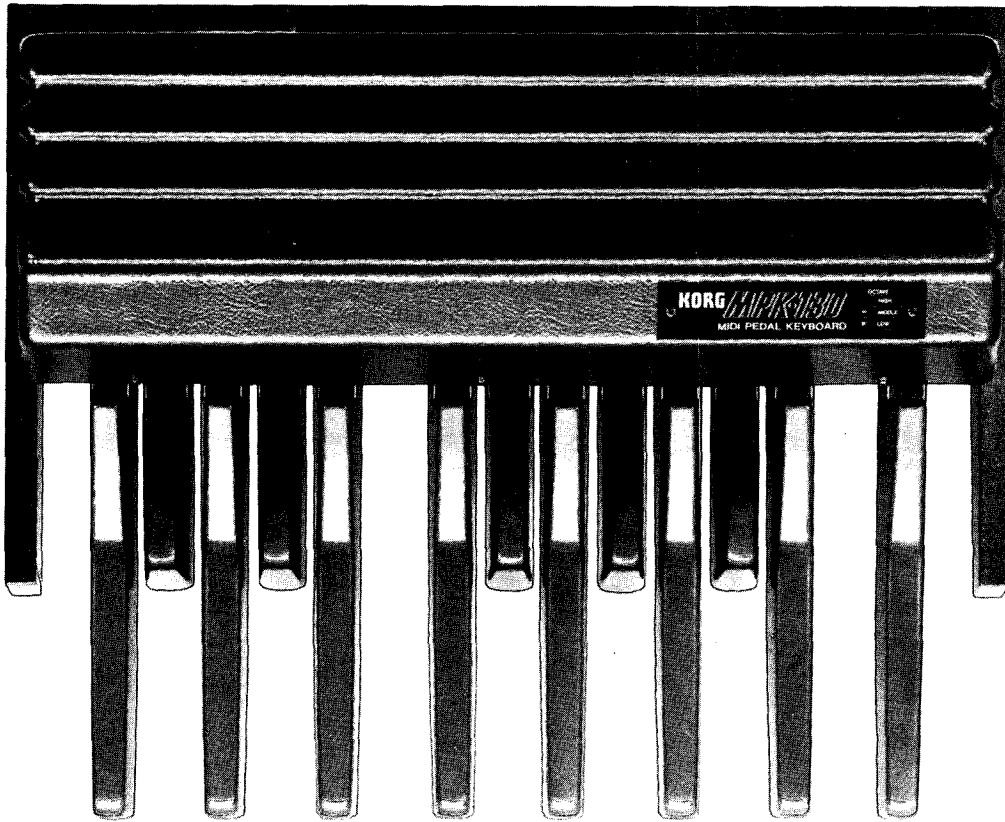


# **MPK-130**



## **MIDI PEDAL KEYBOARD OWNER'S MANUAL**

**KORG®**

# MPK-130

## MIDI PEDAL KEYBOARD

Thank you for purchasing the KORG MPK-130 MIDI Pedal Keyboard. To properly use this product and to enjoy maximum performance for many years, please read carefully all instructions in this manual prior to use.

## MAIN FEATURES OF THE MPK-130

- 1 A 1-octave 13 note pedalboard with MIDI output capabilities. Can be connected to all types of MIDI interfaceable synthesizers, expander modules, electronic pianos, sequencers, computers, etc.
- 2 By use of a footswitch, the MPK-130's playing range can be switched in three one-octave ranges, L (low), M (mid), and H (high).
- 3 The MPK-130 can be set to transmit on any of the sixteen MIDI channels, for complete compatibility.
- 4 Can be set to play in either POLY (polyphonic) mode or MONO (monophonic) mode (with high note priority). Appropriate MIDI mode messages are transmitted to properly configure the receiving synthesizer.

## TABLE OF CONTENTS

- IMPORTANT NOTES
- POWER SUPPLY
- MAKING CONNECTIONS
- NAMES AND FUNCTIONS OF THE PARTS
- ACTIVE SENSING
- SPECIFICATIONS AND OPTIONS
- MIDI IMPLEMENTATION

## IMPORTANT NOTES

For maximum product life, care should be taken for the items listed below:

- Do not leave or use your MPK-130 in the following environments for long periods of time:
  - In direct sunlight.
  - In extremely high/low temperature or humidity.
  - In dusty or sandy places.
- Handling and operation  
Do not expose switches and controls to rough or careless handling, to prevent possible malfunctions.
- Cleaning  
Use dry, soft cloth to clean the outer surface of the product. Never use benzene, thinners and other similar solvents, which may damage exterior surfaces.
- Effect of electrical appliances  
Because the MPK-130 employs digital micro-computer circuitry it may be influenced by electrical noise from external devices (particularly fluorescent lamps or electrical appliances with built-in motors), which may result in temporary malfunction. If such a malfunction occurs, try switching the MPK-130's power off, wait a few seconds and then switch it on again.
- Warranty  
The MPK-130 is warranted by the manufacturer against defects in materials or workmanship. The specific conditions and terms of the warranty are listed on the enclosed warranty registration card.
- Owner's manual  
We strongly recommend that you keep this owner's manual for future reference.

# ACTIVE SENSING

The signals transmitted by the MPK-130 include the standard "MIDI ACTIVE SENSING" signal sent at 200msec. intervals. This signal is provided to indicate to the receiving unit the continued presence of the MPK-130. If the MPK-130's power or MIDI cable is accidentally disconnected during playing the

lack of this signal will turn off all playing notes in the receiving unit, thus preventing "Drone" notes from occurring. The ACTIVE SENSING signal can be received only by specific types of synthesizers: e.g., KORG EX-800. (For details, refer to your synthesizer's owner's manual.)

## SPECIFICATIONS

- **PEDALBOARD:** 13 notes, C to C.
- **OCTAVE RANGES:** L (MIDI notes 24-36)  
M (MIDI notes 36-48)  
H (MIDI notes 48-60)
- **COMPATIBLE SYNTHESIZER:** Synthesizers, expander modules with MIDI in capabilities.
- **CONTROL:** MIDI channels ( 1-16)  
MONO/POLY mode switch
- **TERMINALS:** MIDI OUT (DIN socket)  
DC IN (9V 200mA or over)  
OCTAVE CHANGE footswitch jack.
- **POWER SOURCE:** Accessory AC adaptor
- **DIMENSIONS:** 562mm (22 1/4") x 447mm (17 3/4") x 111mm (4 1/2")
- **WEIGHT:** 6.9 kg
- **SUPPLIED ACCESSORIES:** AC adaptor and MIDI cable

## MIDI IMPLEMENTATION

(Transmit only)

STATUS	SECOND	THIRD	DESCRIPTION
1 0 0 1 n n n n	0 k k k k k k k k	0 1 0 0 0 0 0 0	NOTE ON
1 0 0 0 n n n n	0 k k k k k k k k	0 1 0 0 0 0 0 0	NOTE OFF
1 0 1 1 n n n n	0 1 1 1 1 1 1 0	0 0 0 0 0 0 0 1	MONO MODE ON
1 0 1 1 n n n n	0 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0	POLY MODE ON
1 1 1 1 1 1 1 0	—	—	ACTIVE SENSING

### NOTE

1. n n n n = CHANNEL ( 1 - 16)
2. k k k k k k k k = KEY No. 18H - 24H (OCTAVE = L)  
24H - 30H (OCTAVE = M)  
30H - 3CH (OCTAVE = H)
3. INTERVAL OF "ACTIVE SENSING" IS 200msec.

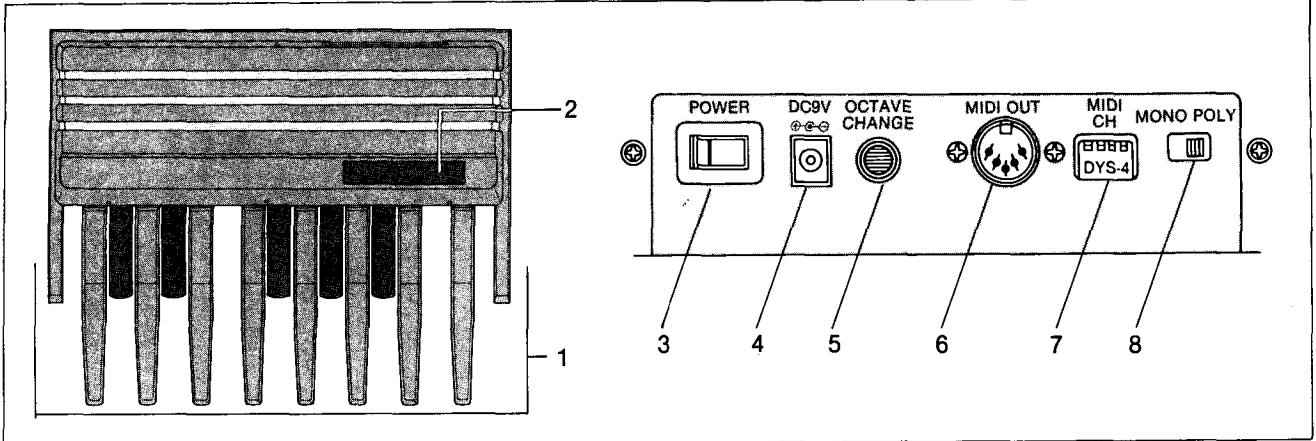
## OPTIONS

- MIDI cable
- Carrying case (hard)
- PS-1 pedal switch

## N O T I C E

Korg products are manufactured under strict specifications and voltages required by each country. These products are warranted by the Korg distributor only in each country. Any Korg product not sold with a warranty card or carrying a serial number disqualifies the product sold from the manufacturer's/distributor's warranty and liability. This requirement is for your own protection and safety.

# NAMES AND FUNCTIONS OF THE PARTS



## 1. KEYBOARD

Pedal keyboard, comprised of 13 notes (one octave, C to C).

## 2. OCTAVE INDICATOR

Indicates the selected octave range. There are three octave ranges available for the player's choice: "L" (Low-MIDI notes 24-36); "M" (Mid-MIDI notes 36-48); "H" (High-MIDI notes 48-60). Even in dark ambient lighting, the led indicators — red (L), yellow (M), and green (H) — clearly show the selected octave-range.

**Note:** When the power is first switched on, the octave range is automatically set to "M".

## 3. POWER SWITCH

Switch to turn on/off the power supply.

## 4. DC 9V

The input terminal for the supplied AC adaptor.

## 5. OCTAVE CHANGE

Input jack for an optional footswitch (e.g., Momentary contact, normally open such as KORG PS-1). The foot-switch enables the player to switch octave-range settings in sequence, e.g.: H→L→M→H...

## 6. MIDI OUT

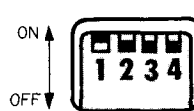
Output jack to send signals from the MPK-130. Use the supplied MIDI cable to connect this jack to a synthesizer MIDI in jack.

## 7. MIDI CHANNEL

The MPK-130's MIDI transmit channel can be selected by combinations of DIP switch settings. See the table below for the channel selection.

MIDI CH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	*		*		*		*		*		*		*		*	
2		*	*			*	*			*	*			*	*	
3				*	*	*	*					*	*	*	*	
4								*	*	*	*	*	*	*	*	*

Set the DIP switch(es) marked with "\*" to ON



(Example)

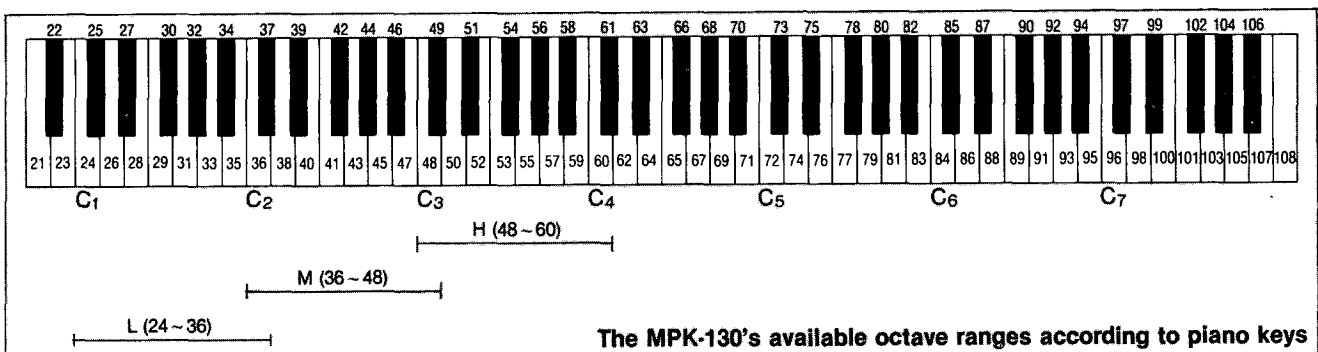
These DIP switch settings show the MIDI transmit channel set to "2". The channel may be set to "1" (all DIP switches set to OFF) for normal operation of the MPK-130.

## 8. MONO/POLY mode switch

This switch selects the MPK-130's playing MODE, which can be either MONO (monophonic), or POLY (polyphonic). In the MONO mode, when two or more notes are played simultaneously, the highest note has priority over any other notes played.

**Note:** If the two C keys located at both ends of the keyboard are played at the same time, no sound will be produced; however, this is not a malfunction of the instrument.

In the POLY mode, each key played is sent to the receiving synthesizer as a standard MIDI "NOTE ON/OFF" signal, and gets assigned to the synthesizer's voices by its internal assign algorithm...usually in a cyclical, or "Rotating" assignment. (i.e., each new note is sent to the next voice in sequence.) If the connected synthesizer is set for a sound with long release time, overlapping release times may cause a long "Reverberation" effect of several notes playing at once which could "Muddy" the sound. Therefore, select programs or presets for optimum result according to your playing method and desired effect.

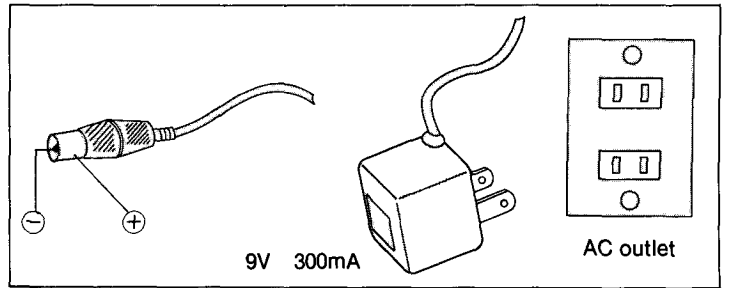


The MPK-130's available octave ranges according to piano keys

# POWER SUPPLY

The MPK-130 should be powered only by the supplied AC adaptor.

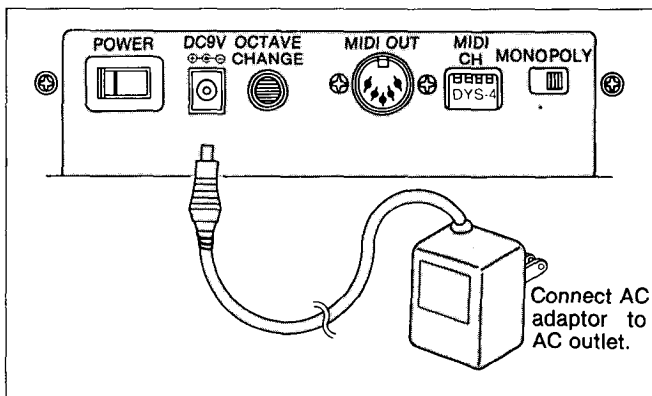
Do not use other AC adaptors. Doing so may cause malfunction or damage to the MPK-130, due to possible differences in voltage, current, polarity standards, etc.



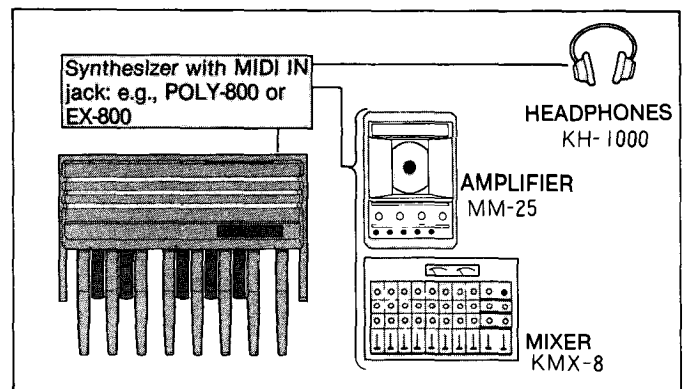
# MAKING CONNECTIONS

Follow the instructions below to make all connections:

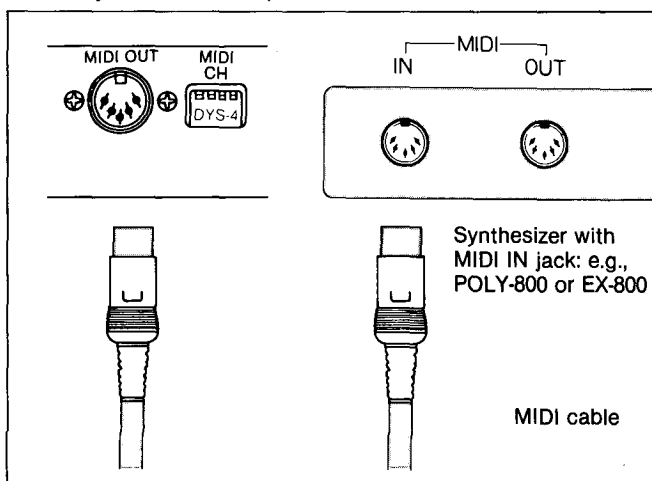
- 1 Turn the power switches of the MPK-130 and any other equipment or instruments connected to the MPK-130 off.
- 2 Power connection: The supplied AC adaptor must be used for powering the MPK-130.



- 4 Connecting amplifier: Connect the audio output jack(s) of the synthesizer being used to the amplifier/mixer input(s) to be used.



- 3 Connecting MIDI OUT jack: All data from the MPK-130 is sent through the MIDI OUT jack. Using the supplied MIDI cable, connect the MPK-130's MIDI OUT to the MIDI IN jack of the synthesizer or expander module to be used.



## PRECAUTIONS:

1. Switch amplifier power on after all other power switches are turned on, to prevent possible damage to loudspeakers.
2. Set the MPK-130's MIDI transmit channel to match the synthesizer's MIDI receive channel. If the MPK-130's MIDI channel does not match that of the synthesizer, the synthesizer may not receive note data from the MPK-130, and will not play. (Refer to "7. MIDI CHANNEL" on page 4.)

**KORG<sup>®</sup>**

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