Owner's Manual

Roland Piano 2000/3000

FEATURES

The HP-2000/3000 utilize SA/S technology to reproduce the timbres, dynamics, and characteristics of many of the world's most famous acoustic and electric keyboard instruments. These instrument voices include two acoustic grand pianos, electric grand piano, harpsichord, clavichord, vibraphone and two electric pianos.

The HP-2000/3000 includes built-in Chorus and Tremolo effects.

Each of the keyboard timbres of the HP-2000/3000 can be controlled via the keyboard of its own or through MIDI with full control over velocity (dynamics).

Bescheinigung des Herstellers /Importeurs

Hiermit wird bescheinigt, daß der/die/das

ROLAND ELECTRONIC PIANO HP-2000/3000

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der

Amtsbl. Vfg 1046 / 1984

(Amtsblattverfügung)

funk-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Roland Corporation Osaka / Japan

Name des Herstellers/Importeurs

RADIO AND TELEVISION INTERFERENCE

"Warning — This equipment has been verified to comply with the limits for a Class B computing device, pursuant to Subpart J, of Part 15, of FCC rules. Operation with non-certified or non-verified equipment is likely to result in interference to radio and TV reception."

The equipment described in this manual generates and uses radio frequency energy. If it is not installed and used properly, that is, in strict accordance with our instructions, it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J, of Part 15, of FCC Rules. These rules are designed to provide reasonable protection against such a interference in a residential installation.

However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by the following measure:

- Disconnect other devices and their input/output cables one at a time. If the interference stops, it is caused by either the other device or its I/O cable.

These devices usually require Roland designated shielded I/O cables. For Roland devices, you can obtain the proper shielded cable from your dealer. For non Roland devices, contact the manufacturer or dealer for assistance.

If your equipment does cause interference to radio or television reception, you can try to correct the interference by using one or more of the following measures:

- Turn the TV or radio antenna until the interference stops.
- Move the equipment to one side or the other of the TV or radio.
- Move the equipment farther away from the TV or radio.
- Plug the equipment into an outlet that is on a different circuit than the TV or radio. (That is, make certain the equipment and the radio or television set are on circuits controlled by different circuit breakers or fuses.)
- Consider installing a rooftop television antenna with coaxial cable lead in between the antenna and TV.

If necessary, you should consult your dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet prepared by the Federal Communications Commission:

"How to Identify and Resolve Radio TV Interference Problems"

This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4

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IMPORTANT NOTES

Power Supply

Do not use the same socket that is used for any noise generating device, such as a moter or variable lighting system.

This unit might not work properly if the power cable is plugged in with the unit turned on. If this happens, simply turn the unit off, and turn it on again in a few seconds.

The appropriate voltage to be used is shown on the name plate on the rear panel. Be sure that it meets the voltage system in your country.

Power Cord

When disconnecting the power cord from the socket, do not hold the cord but the plug. When the unit is not to be used for a long period, disconnect the power cord.

Location

- Operating this unit near a neon or fluorescent lamp may cause noise interference. If so, change the angle or position of the unit.
- Avoid using this unit in extreme heat or humidity or where it may be affected by dust.

Cleaning

- Use a soft cloth and clean only with a mild detergent.
- Do not use solvents such as paint thinner.

This owner's manual covers both the HP-2000/3000. The HP-3000's front panel is shown here, but it is exactly the same as the HP-2000's.

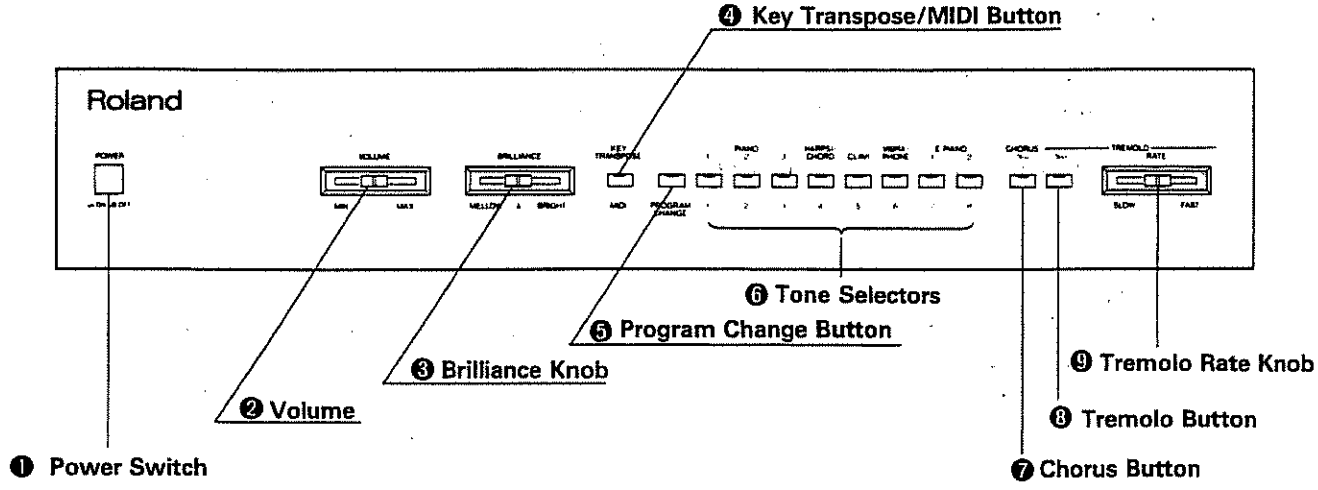
HOW TO SETUP THE PIANO

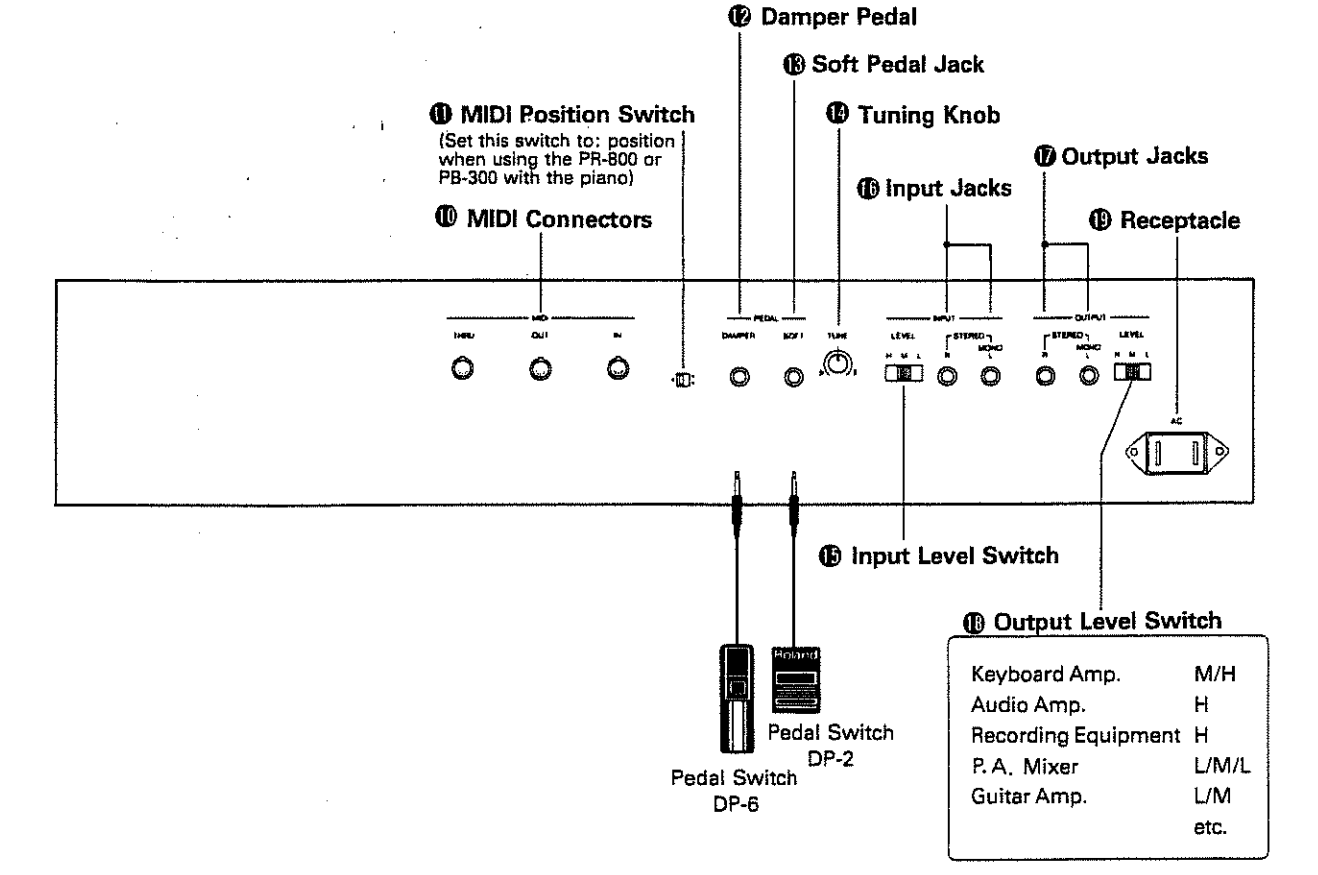
1. Connect the supplied power cord to the Receptacle ⑲ on the rear panel.

2. Connect the plug to the wall socket.

* Be sure to take the step 1 then 2. Do not do it the other way round.

1 PANEL DESCRIPTION





Keyboard Amp.	M/H
Audio Amp.	H
Recording Equipment	H
P. A. Mixer	L/M/L
Guitar Amp.	L/M
	etc.

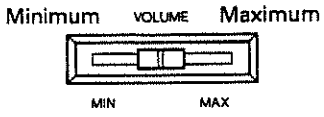
2 OPERATION

1. Basic Operation

① **Turn the piano on.**

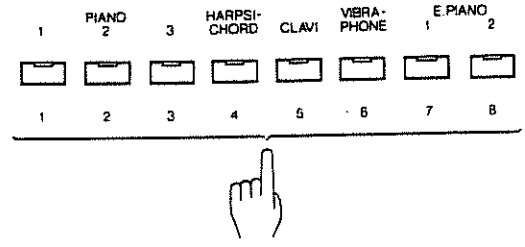
* For about 2 seconds after turned on, the piano cannot be played because of the muting circuit.

② **Adjust the volume with the Volume Knob ❷.**



2. Tone Selection

The HP-2000/3000 features 8 keyboard sounds; two acoustic grand pianos, electric grand piano, harpsichord, clavi, vibraphone and two electric pianos. To select one of these voices, press one of the Tone Selector buttons numbered 1 through 8. One keyboard sound can be selected at a time.



VOICE PRESERVE FUNCTION

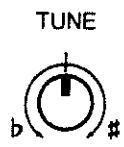
The HP-2000/3000 features the Voice Preserve Function, that is, while you are playing the keyboard using a certain tone color, you can request the next tone color to be used, without the tone actually changing until you release all the keys.

When the piano is being played with the Note or Damper ON, the tone color does not change. (the indicator of the corresponding sound flashes.) To change the voices, lift all Notes and the Damper OFF. (Now, the indicator of the new voice is constantly lighted.)

3. Tuning

The Tune Knob is provided for controlling the overall tuning center of the HP-2000 or HP-3000. This is especially useful for tuning to other acoustic instruments, synthesizers, and synthesizer sound modules. Since the HP-2000 and HP-3000 incorporate S/A Synthesis, the tuning of individual notes will never be necessary. At its center position: Middle A = 442Hz.

At the Center Position,
middle A = 442Hz



4. Damper/Soft Pedal

The Damper Pedal Jack and Soft Pedal Jack are provided to connect the cables from the stand's pedals or the DP-2/DP-6. These pedals function just like the damper and soft pedal on an acoustic piano.

* **The Soft Pedal can be used as a Sostenuto pedal.**

a. Damper Pedal

The Damper Pedal makes the sound decay slowly.

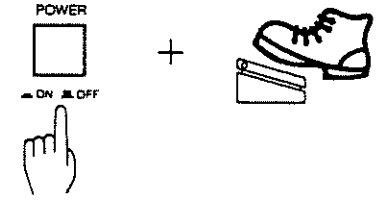
b. Soft Pedal

The Soft Pedal serves to make the performance softer.

c. Sostenuto Pedal

How to turn the Soft Pedal to Sostenuto Pedal.

Connect the Soft Pedal to the Soft Pedal Jack, and turn the piano on while holding the pedal down.



(holding down)

Now, the Soft Pedal works as a Sostenuto Pedal.

When the pedal is turned to a Sostenuto Pedal, it loses the Soft Pedal function.

Pressing the Sostenuto Pedal will turn on the Damper of the note currenly played. The following notes will not take on any effect.

* To retrun the pedal to the Soft Pedal, turn the piano off once, then turn it on again.

5. Brilliance

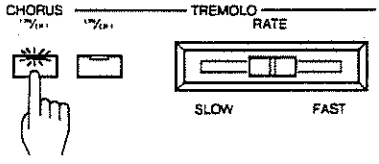
As you move the Brilliance knob ❸ rightward, the tone will be brighter, and mellower when moved leftward.

6. Chorus/Tremolo

The piano includes built-in Chorus and Tremolo effects.

a. Chorus

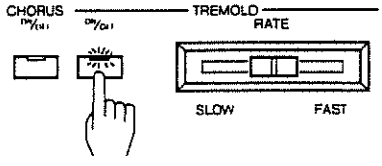
By pressing the Chorus button ❼, a lush stereo chorus effect can be obtained through the instrument's internal speaker/amplifier system or via the stereo outputs.



Pressing the Chorus Button will cuase the indicator to light up.

b. Tremolo

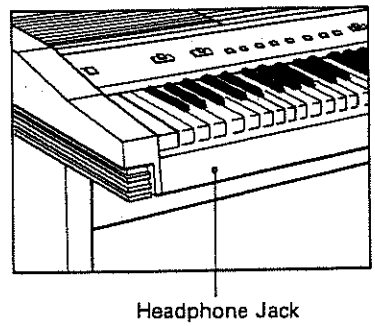
The Tremolo button ❽ engages the tremolo effect. The Tremolo circuit is stereo and is especially useful when used with the electric piano and vibraphone sounds.



Pushing the Tremolo Button will cuase the indicator to light up.,

The Tremolo Rate knob ❾ is used to increase or decrease the speed of the tremolo effect. Moving it rightward increases the tremolo speed while moving it leftward decreases the speed of the effect.

7. Headphones



Headphone Jack

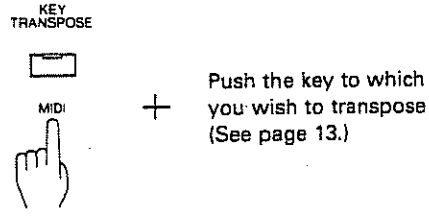
Standard stereo headphones can be used with either the HP-2000 or HP-3000 pianos for private listening and practice. Connecting the headphone plug to the headphone jack will disconnect the internal speakers. The Volume knob ❷ on the front panel will adjust the headphoen volume.

8. Key Transpose

The keyboard of your HP-2000 or HP-3000 can be transposed within a range of up a perfect 4th and down a diminished 5th.

<Operation>

While holding the Transpose Button ❹ down, press the key (F# to F) to which you wish to transpose.



(holding down)

While the button is being held down, the indicator flashes. When the button and the key are both released, the indicator will glow steadily showing that transposition is done.

Pressing the Transpose Button again will return the piano to the normal condition (C key.)

3 SETUP WITH AUXILLARY AUDIO EQUIPMENT

1. Input Jacks ⑯

The external input jacks are provided for connecting the outputs of other electronic instruments to the internal speakers and amplifier of the HP-2000 and HP-3000. A level switch is also provided to match the output of the device(s) to the input of the speaker/amplifier. Usually, the switch should be set to the high (H) position. However, if you detect audible distortion through the speakers, select eiter the middle (M) or low (L) position.

2. Output Jacks ⑰

These Output Jacks are provided for connecting the HP-2000 and HP-3000 to larger sound systems such as a home stereo system, multi-track recorders, mixers, and/or auxillary instrument amplifiers. As with the Input Jacks, the Output Jacks have a three-way switch for setting the output level. The Output Jacks can be used in a stereo or monoural configuration.

<Setup>

① Turn down the volume of the external amplifier connected to the piano.

② Connect the Output Jacks of the piano to the Line In's (e.g. AUX) of the amplifier.

③ Adjust the volume of the amplifier.

④ Adjust the volume of the piano with the Output Level Switch ⑱.

* At "H" position, the volume is highest, and at "L", the lowest.

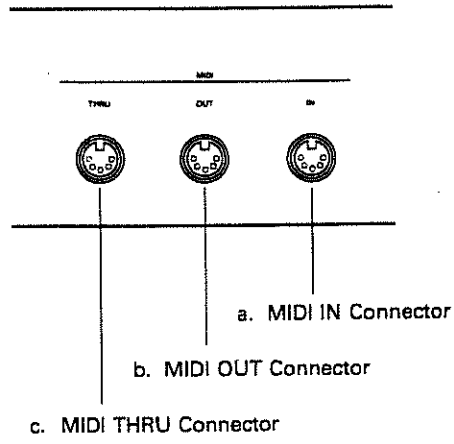
* Connecting the headphone plug to the headphone jack will disconnect the internal speakers.

4 MIDI

Part of the power of your HP-2000 or HP-3000 is in the use of the MIDI (Musical Instrument Digital Interface). To learn more about MIDI and the various music systems that can be added to your HP-Piano, refer to the enclosed booklet "MIDI" and the MIDI implementation chart in the back of this owners manual.

1. MIDI Connectors

The HP-2000/3000 has MIDI IN, MIDI OUT and MIDI THRU Connectors on the rear panel.



a. MIDI IN Connector

When using the piano as a MIDI sound module controlled by the external MIDI device, connect the MIDI IN Connector to the MIDI OUT or MIDI THRU on the external device.

b. MIDI OUT Connector

When using the piano as a keyboard controller that drives the external device, connect the MIDI OUT Connector to the MIDI IN on the external device.

c. MIDI THRU Connector

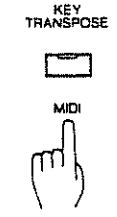
Through this, the exact copy of the signal fed into the MIDI IN is sent out.

2. Setting MIDI Channels

The HP-2000 or HP-3000 cannot have different MIDI channels for transmitting and receiving.

<How to set MIDI Channels>

While holding the MIDI Button ❹ down, push the key that corresponds to the MIDI Channel number you want.



(holding down)

+ Push the key that corresponds to the MIDI Channel you want. (See page 13.)

* Usually, the default setting for receive channel is OMNI ON, and transmit channel is CH 1.

a. HP-2000/3000 as a MIDI Keyboard Controller

To use the piano as a MIDI keybaord controller, it is necessary to match the transmit channel of the piano to the receive channel of the connected MIDI sound module.

b. HP-2000/3000 as a MIDI Sound Module

When using the piano as a MIDI sound module, set the receive MIDI channel of the piano to the same as the transmit channel of the MIDI device that controls the piano.

3. Program Change

□ **Transmit.**

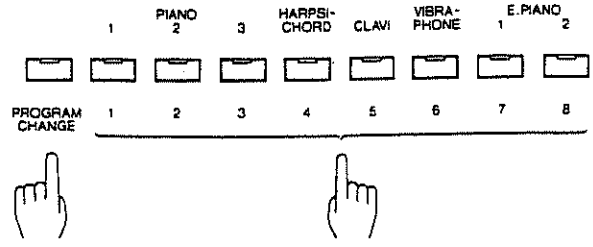
The HP-2000/3000 allows to send the Program Change in two different ways; with the Tone Selector buttons or with the keyboard.

a. Using the Program Change Button and Tone Selectors

Using the Program Change Button and the Tone Selectors 1 to 8, Program Change messages can be transmited.

<Operation>

While holding the Program Change Switch ❺ down, press one of the Tone Selector buttons (1 to 8). In this way, the corresponding Program Change 1 to 8 can be transmitted.



b. Using the Key Transpose Button and Keyboard

Using the Key Transpos Button and keyboard, 1 to 128 Program Change messages can be transmited. The table at the top right shows how the Group/Bank/Voice numbers on the piano correspond to the Program numbers.

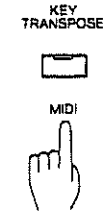
Program Change Table

	NO. / BANK	1	2	3	4	5	6	7	8
A	1	1	2	3	4	5	6	7	8
	2	9	10	11	12	13	14	15	16
	3	17	18	19	20	21	22	23	24
	4	25	26	27	28	29	30	31	32
	5	33	34	35	36	37	38	39	40
	6	41	42	43	44	45	46	47	48
	7	49	50	51	52	53	54	55	56
	8	57	58	59	60	61	62	63	64
B	1	65	66	67	68	69	70	71	72
	2	73	74	75	76	77	78	79	80
	3	81	82	83	84	85	86	87	88
	4	89	90	91	92	93	94	95	96
	5	97	98	99	100	101	102	103	104
	6	105	106	107	108	109	110	111	112
	7	113	114	115	116	117	118	119	120
	8	121	122	123	124	125	126	127	128

<Operation>

While holding the Key Transpose Button ❹ down, push the keys that correspond to the Group, Bank and Number you need.

The Group (A, B), Bank (1 to 8) and Number (1 to 8) correspond to the keyboard as shown on the last page of the manual.



(holding down)

+ Push the keys that correspond to the Group, Bank and Number you want. (See page 13.)

□ **Receive**

The HP-2000/3000 receive 1 to 32 Program Changes, but do not receive 33 to 128.

4. Chorus/Tremolo

To transmit On/Off of the Chorus or Tremolo effect, push the Chorus or Tremolo Button whichever you want to transmit while holding the Program Change Button down.

5. MIDI Functions

The HP-2000/3000 can select any of the following three modes that decide how the messages are received and transmitted.

(I) Note On/Off, Pedal and Program Change messages are transmitted and received.

(II) Note On/Off, Pedal and Program Change messages are transmitted. Pedal and Program Change messages are not received.

(III) Note On/Off, Pedal and Program Change messages are transmitted and received. The moment a new voice is selected on the piano, the corresponding Program Change (1 to 8) is transmitted. The Chorus or Tremolo On/Off is also transmitted. This mode may be used when recording the data into a MIDI sequencer and playing it back.

<How to select one of the three modes>

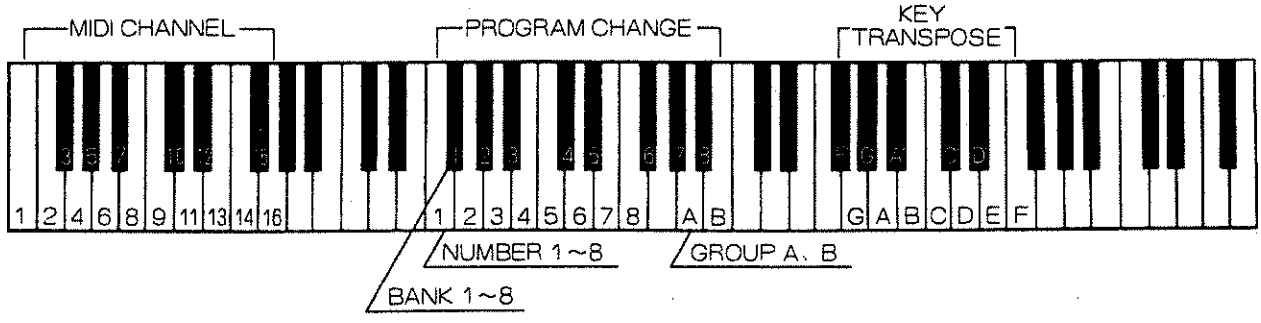
Mode I: Turning the piano on will automatically select this mode.

Mode II: Turn the piano on while holding down the Tone Selector Button Piano 1.

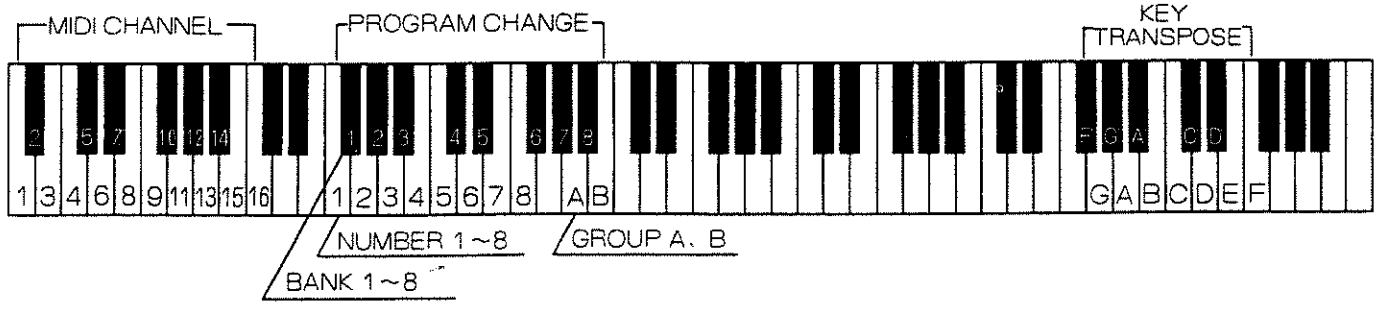
Mode III: Turn the piano on while holding the Program Change button down.

MIDI Channel, Program Change and Key Transpose correspond to the keyboard as shown below.

HP-2000



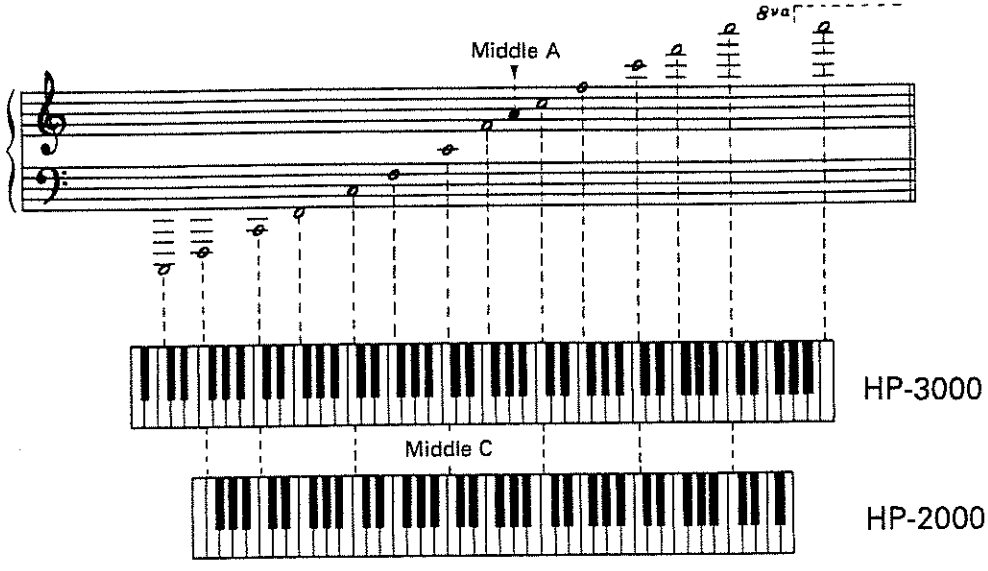
HP-3000



SPECIFICATIONS

Keybaord	HP-3000 : 88 Keys, 16 Voice Polyphonic (10 Voice Polyphonic for Harpsichord, Clavi and Electric Piano 2) HP-2000 : 76 Keys, 16 Voice Polyphonic
Preset Voices	Piano 1, 2, 3, Harpsichord, Clavi, Vibrahone, Elecric Piano 1, 2
Effects	Chorus ON/OFF, Tremolo ON/OFF, Tremolo Rate
Connectors	Output Jacks (Mono, Stereo) Input Jacks (Mono, Stereo) Damber Pedal Jack Soft Pedal Jack MIDI IN Connector MIDI OUT Connector MIDI THRU Connector
Switches	Power Switch, Output Level Switch, Input Level Switch
Speakers	16cm × 2, 5cm × 2
Output	10W × 2
Finish	Roland Original
Dimensions	HP-3000: 1405(W) × 461(D) × 133(H) mm / $55^{5}/_{16}$" × $18^{1}/_{8}$" × $5^{1}/_{4}$" HP-2000: 1242(W) × 461(D) × 133(H) mm / $48^{7}/_{8}$" × $18^{1}/_{8}$" × $5^{1}/_{4}$"
Weight	HP-2000: 33.5 kg / 73 lb 15 oz HP-3000: 30 kg / 66 lb 4 oz
Consumption	117V:40W, 220V:75W, 240V:75W
Accessories	Music Rest, Power Cord

Sound Range Diagram



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