Roland

GENERAL MIDI GS

Roland Digital Piano
HP 2900G

OWNER'S MANUAL

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS

WARNING — When using electric products, basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water — for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product should be used only with a cart or stand that is recommended by the manufacturer.
4. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. Avoid using the product where it may be affected by dust.
8. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.

9. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
10. Do not tread on the power-supply cord.
11. Do not pull the cord but hold the plug when unplugging.
12. When setting up with any other instruments, the procedure should be followed in accordance with instruction manual.
13. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
14. The product should be serviced by qualified service per-sonnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the product; or
    C. The product has been exposed to rain; or
    D. The product does not appear to operate normally or exhibits a marked change in performance; or
    E. The product has been dropped, or the enclosure dam-aged.
15. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

SAVE THESE INSTRUCTIONS

CONTENTS

Introduction

Thank you for purchasing the Roland HP-2900G Digital Piano. The HP-2900G is a piano that provides a number of new functions and features. Utilizing a selection of high-quality GS sound sources, the instrument can produce a wide assortment of highly realistic sounds. Moreover, the built-in 5-track sequencer and 3.5-inch floppy disk drive allow for automatic play, recording and playback, all with the operational ease of a tape recorder. We suggest that you read through this manual thoroughly in order to take full advantage of these various features.

Main Features

● 64 high quality sounds (from GS sound sources) are readily available, including manual drums, and four piano sounds. (page 12)

● The easy-to-use panel consists of three sections: Basic, Metronome and Piano Partner. (page 3)

● The metronome can have one of two different sounds. The time signature, tempo and volume can each be changed with easy, one-touch operations. (page 15)

● The HP-2900G allows you to perform with the utmost expressiveness, since the tone quality and volume of sounds change dynamically with your touch. To match the performer's preference, three different key touch settings are available: Heavy, Medium and Light. (page 14)

● The HP-2900G also features two on-board digital effects: chorus and reverb. Each effect has 10 different depth settings. (page 13 and 34)

● The HP-2900G lets you easily record your performances on 3.5-inch floppy disks and then play them back any time you wish. Moreover, a multi recording function allows you to record up to five different sounds on five separate tracks for simultaneous playback. (page 18)

● Minus-one play and recording of well-known pieces can be accomplished using commercially available ISM Music Data. Roland SMF Music Data can be used for playing back background music and using the minus-one play function. (page 25)

● Since the HP-2900G has two headphone jacks, two people can enjoy the instrument over headphones at the same time. (page 11)

● The stereo presence gives a spacious ambience to the sound, providing a warm, natural sound, even when using headphones.

● The elegant black oak cabinet has a warm, natural woodgrain finish, and features a smooth sliding cover. (page 10)
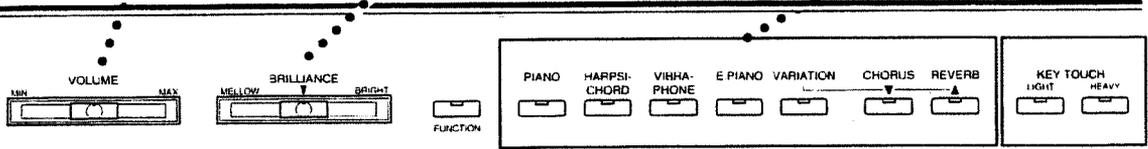
BASIC FUNCTIONS

① VOLUME slider   P.12

Adjusts the overall volume.

② BRILLIANCE slider   P.12

Adjusts the overall tone quality.

③ Sound buttons   P.12, 13

For selecting sounds.
Additional sounds can be selected by pressing the ▼ and ▲ buttons to the right while holding down the VARIATION button.
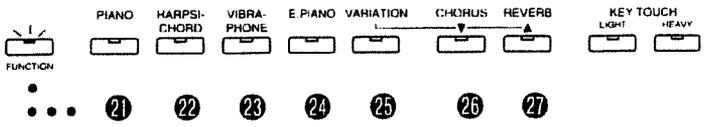The dual play function can be selected by pressing two sound buttons simultaneously.

VOLUME	BRILLIANCE	FUNCTION	PIANO	HARPSI-CHORD	VIBRA-PHONE	E.PIANO	VARIATION	CHORUS ▼	REVERB ▲	KEY TOUCH LIGHT	HEAVY
MIN MAX	MELLOW BRIGHT										

①   ②   ③   ④ ⑤   ⑥

④ CHORUS button   P.13

For adding a warm, spacious feeling to the sound.

⑤ REVERB button   P.13

For adding an ambient reverberation to the sound.

⑥ KEY TOUCH button   P.14

For changing the touch response of the keyboard.
When set to LIGHT, the sound output can be loud even when playing with a light touch.
When set to HEAVY, the sound output will not be loud unless the keyboard is played quite strongly.

OTHER FUNCTIONS

FUNCTION	PIANO	HARPSI-CHORD	VIBRA-PHONE	E.PIANO	VARIATION	CHORUS ▼	REVERB ▲	KEY TOUCH LIGHT	HEAVY

㉑   ㉒   ㉓   ㉔   ㉕   ㉖   ㉗

After pressing the **FUNCTION** button...

㉑ Master Tune   P.31

When you use the TUNE knob (on the rear panel) to make fine adjustments to the overall pitch of the instrument, the pitch setting can be seen in the LCD.

㉒ Key Transposition   P.32

For transposing the pitch of the keyboard.

㉓ Playback Transposition   P.33

For transposing the key of the performance of the Piano Partner.

㉔ Switching the Left Pedal   P.33

For switching between the functions of the left pedal (soft pedal to sostenuto).

㉕ Switching the Metronome   P.34

For changing the sound of the metronome.

㉖ Playback Modes   P.35

For changing the way of playing the disk, for example, Repeat play and Chain play.

㉗ Setting the transmission channel and the transmission of Program Change messages   P.37, 38

For changing the MIDI transmission channel of keyboard performance data and enabling transmission of Program Change messages.

METRONOME FUNCTIONS

Display

⑦ BEAT button P.15
For changing the time signature of the metronome.

⑧ TEMPO button P.15
For adjusting the performance of the Piano Partner and the tempo of the metronome.

⑨ METRONOME button P.15
For turning the metronome on and off.

⑩ METRONOME VOLUME slider P.15
For adjusting the level of the metronome.

PIANO PARTNER FUNCTIONS

⑫ SONG button P.20
For selecting songs on the disk.

⑯ RESET button P.21
For returning to the beginning of a song.

⑰ BWD/FWD button P.21
Pressing the BWD button sets the song position back by one measure.
Pressing the FWD button sets the song position forward by one measure.

⑳ PLAYBACK VOL slider P.20
For adjusting the volume of data playback.

⑭ STOP button P.20
For stopping playback of a song.

⑮ PLAY button P.20
For starting playback of a song.
This also starts recording when the recording function is set to standby.

⑱ SAVE button P.26
This executes disk-related operations such as saving recorded data to disk.

⑲ TRACK button P.19,22
For selecting the track to be recorded, and for muting tracks during playback.

⑬ REC button P.19
For setting recording to standby.

REAR PANEL CONNECTIONS

❶ MIDI terminals P.36
For connecting other MIDI devices to the HP-2900G (by MIDI cable).

❸ DAMPER jack P.6
For connection to the Damper Pedal (the right pedal).

❹ SOFT jack P.6
For connection to the Soft Pedal (the left pedal).

❷ LOCAL switch P.39
When another MIDI instrument is connected to the MIDI IN terminal and this is set to OFF, the sounds of the HP-2900G cannot be played by the keyboard. Sounds can be played by the connected instrument, however.

❺ TUNE knob P.31
For making fine adjustments to the overall pitch.

❻ INPUT jacks P.10
For inputting of external signals so they will be heard through the speaker system of the HP-2900G.

❼ OUTPUT jacks P.10
For output of the HP-2900G's sounds.

DISK DRIVE

❶ Disk Slot P.9
For inserting disks.

❷ Disk Drive Lamp P.9
Lights dimly when the instrument is on, and lights brightly when the drive is working.

❸ Eject button P.9
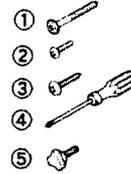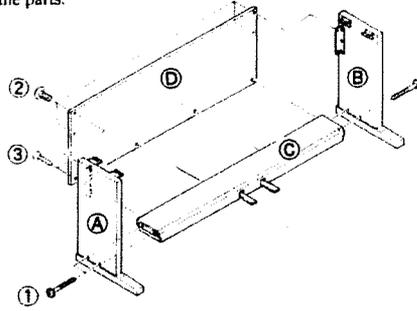Press to remove disks from the drive.

Assembling the Piano Stand

■ Check the parts

◎Before you begin assembly, check that you have all the parts.

Ⓐ Side board (left) ·····································1
Ⓑ Side board (right) ·································1
Ⓒ Pedal board···1
Ⓓ Rear board···1

① Long screws (M6 × 60 mm) ·············4
② Short screws (M4 × 15 mm) ··············4
③ Tip-pointed screws (4 × 25 mm) ········4
④ Philips screwdriver ·····························1
⑤ Knob bolts···2
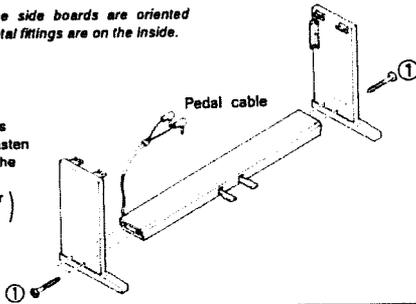
■ Assembly procedure

1 Attach the side boards (left and right) to the pedal board.

☆ Extend the pedal cable out from the pedal board.

(Note) Be sure that the side boards are oriented correctly: the metal fittings are on the inside.

① Use the long screws (M6 × 60 mm) to fasten the side boards to the pedal board.
(use two screws for each side.)

Pedal cable

2 Attach the rear board.

② Use the short screws (M4 × 15 mm) to attach the rear board to the side boards.
(use two screws for each side.)

③ Use the four tip-pointed screws (4 × 25 mm) to fasten the rear board and the pedal board.
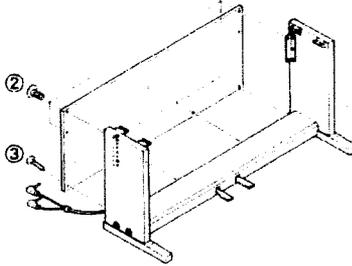
3 Attach the piano to the stand.

(Note) When placing the piano on the stand, be careful not to pinch your fingers.
(Avoid holding the ends of the piano.)

④ Align the screws (one on each side) located on the bottom of the piano with the slots in the metal fittings on the sideboards. Slide the piano so the screws slide into the slots.
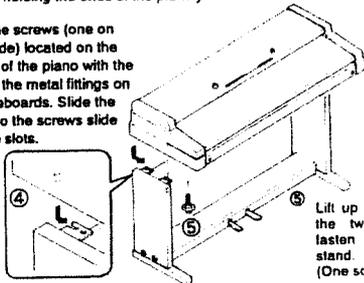
⑤ Lift up the piano and use the two knob bolts to fasten the piano to the stand.
(One screw on each side.)

4 Fasten the pedal cable with the cable clamps, and plug in the power cable and pedal cable.

Brown
Black
Cable clamps
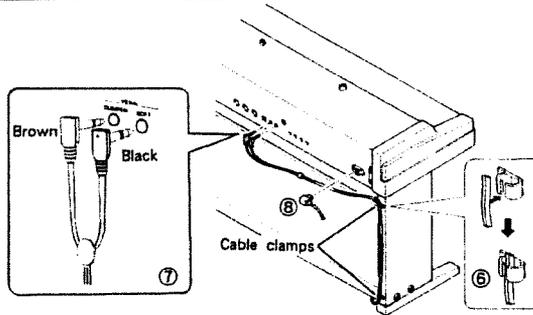
⑥ Fasten the pedal cable with the cable clamps (two locations) on the left side of the stand.

⑦ Insert the two plugs from the pedal cable into the jacks on the rear of the piano.
(Insert the brown plug into the DAMPER jack (red).)
(Insert the black plug into the SOFT jack (black).)

⑧ Connect the power cable to the AC inlet on the back panel of the piano.
(The power cable is included with the piano.)

5 Set the adjusting bolt

☆ When you finish assembling the stand, rotate the adjusting bolt until it touches the floor.

(Note) If the piano is placed on carpeting, extend the adjustment bolt a little more.

(Note) When placing the piano in its location, be careful not to pinch the power cable underneath the stand.
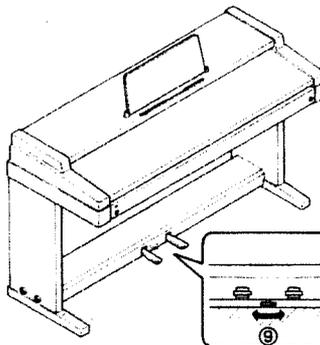
⑨ Rotate the adjusting bolt until it touches the floor.
(Rotate it to the right to extend, and to the left to retract.)

⑩ Attach the music rest to the piano.
(The music rest is included with the piano.)

Concerning this unit's sound sources

This unit is equipped with a GS Format sound source.

The GS Format conforms to General MIDI System Level 1 specifications.

Concerning the Piano Partner on this unit

ism This unit is capable of playing "ISM Music Data" (3.5 inch floppy disks).

SMF This unit is capable of playing Standard MIDI Files, such as "SMF Music Data" (720 KB/1.44 MB format 3.5 inch floppy disks).

Concerning the demo song data of this unit

ism The data on the demo song disk can be played on any unit that supports "ISM Music Data" (3.5 inch floppy disks).

The song data on the demo song disk is designed to be played on any unit which carries the GS logo.

The "GS" logo appears on the panel of the HP-2900G. This serves to indicate that the unit is equipped with a GS Format sound source.

The GS Format, developed by Roland, assures that all sound sources will respond in a standardized way whenever music is played using MIDI.
Thanks to this format, any song data created with any GS format sound source can be reproduced identically on any other unit which carries the GS logo.

GENERAL MIDI

The sound source in the HP-2900G conforms to General MIDI System Level 1 specifications.
Current recommended practice calls for conformity to the General MIDI System, since it aims at bridging the gap between manufacturers through standardization of the specifications for the MIDI functions provided by all sound sources. In fact, the Roland GS Format conforms to all rules set down in the General MIDI System Level 1 specifications.

Important Notes

[Power Supply]

● When making any connections with other devices, always turn off the power to all equipment first; this will help prevent damage or malfunction.

● Do not use this unit on the same power circuit with any device that will generate line noise, such as a motor or variable lighting system.

● Avoid damaging the power cord; do not step on it, place heavy objects on it etc.

[Placement]

● Do not subject the unit to temperature extremes (eg. direct sunlight in an enclosed vehicle). Avoid using or storing the unit in dusty or humid areas or areas that are subject to high vibration levels.

● Make sure the instrument rests on a flat surface. Setting it on a tilted or uneven surface may result in the keys not functioning properly or the cover not opening or closing smoothly. It may also adversely affect the operation of the disk drive.

● Using the unit near power amplifiers (or other equipment containing large transformers) may induce hum.

● This unit may interfere with radio and television reception. Do not use this unit in the vicinity of such receivers.

● Observe the following when using the unit's disk drive.
  ○ Do not place the unit near devices that produce a strong magnetic field (eg. loudspeakers).
  ○ Install the unit on a solid, level surface.
  ○ Do not move the unit or subject it to vibration while it is operating.

● Avoid using the drive in areas of high humidity (eg. condensation). High levels of moisture can adversely affect the operation of the drive and/or damage disks. When the unit has been transported, allow it to warm to room temperature before operating.

● Do not expose this unit to temperature extremes (eg. direct sunlight in an enclosed vehicle can deform or discolor the unit) or install it near devices that radiate heat.

[Maintenance]

● For everyday cleaning wipe the unit with a soft, dry cloth (or one that has been slightly dampened with water). To remove stubborn dirt, use a mild neutral detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.

● Never use benzene, thinners, alcohol or solvents of any kind, to avoid the risk of discoloration and/or deformation.

[Additional Precautions]

● Protect the unit from strong impact.

● Do not allow objects or liquids of any kind to penetrate the unit. In the event of such an occurrence, discontinue use immediately. Contact qualified service personnel as soon as possible.

● Never strike or apply strong pressure to the display.

● Before using the unit in a foreign country, consult with qualified service personnel.

● Should a malfunction occur (or if you suspect there is a problem) discontinue use immediately. Contact qualified service personnel as soon as possible.

Using Disks

The HP-2900G uses 3.5-inch 2DD or 2HD floppy disks (sometimes called "microfloppies"). They are used to store the songs you record on the HP-2900G.

* Please use 2HD disks whenever possible. If 2DD disks are used, song selection or song position displays may be delayed slightly.

1. Inserting a Disk

To insert a disk, push it firmly (but gently) into the drive; label side up — it will click into place.

● Make sure the disk is correctly inserted before trying to use it!
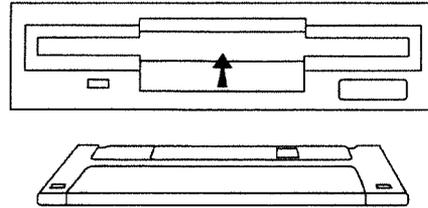
2. Removing a Disk

To remove a disk, press the EJECT button firmly.

● When the power is on, the disk drive light will alternate between being dimly lit (disk drive ready) and brightly lit (disk drive in operation). In the latter case, do not try to eject the disk or you might damage the magnetic disk surface and render the disk unusable.

Light
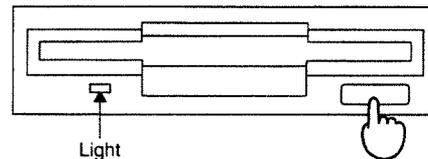
3. Write Protecting Your Disks

Floppy disks contain a write protect tab which can protect the disk from accidental erasure. It is recommended that the tab be kept in the 'protect' position and moved to the 'write' position only when you wish to write new data onto the disk.

Bottom side of the disk

Write
(can write new data onto disk)

Protect
(prevents writing to disk)

Write Protect Tab
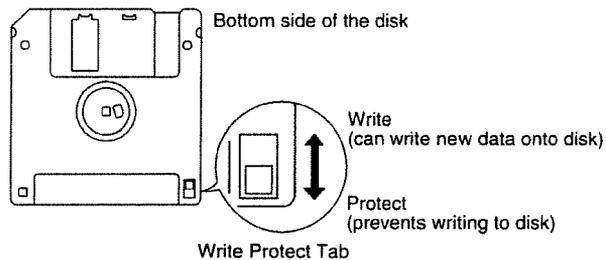
4. Floppy Disks: Handle With Care!

● Floppy disks contain a plastic disc coated with magnetic particles; this is the magnetic storage medium for all data. Observe the following when handling disks:
  ○ Never touch the coated surface of the floppy's internal disc.
  ○ Do not subject floppy disks to temperature extremes (eg., direct sunlight in an enclosed vehicle). Recommended temperature range: 10 to 50°C.
  ○ Do not expose floppy disks to strong magnetic fields, such as those generated by loudspeakers.
  ○ Don't use or store in extremely dusty places.

● Remove disks from the disk drive before turning the HP-2900G ON or OFF.

● All important data should be saved onto backup disk(s). This provides a complete duplicate of the data should the original disk(s) be lost or damaged.

● The identification label should be firmly fixed to the disk. Should the label come loose while the disk is in the drive, it may be difficult to remove the disk.
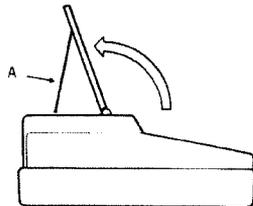
Installing the Music Stand

The music stand has been included with the keyboard in the packing box. Install it as shown in the illustration.
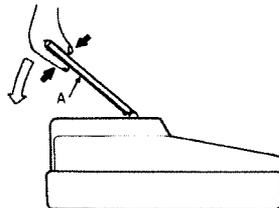
(1) Keeping the music stand parallel to the keyboard, insert it into the holder.
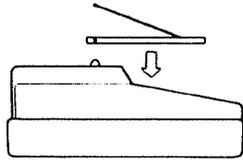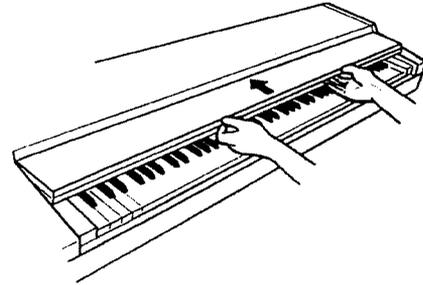
(2) Lift the music stand upright.

* To fold down the music stand, hold the stand firmly then move the brace (A) and the music stand as shown in the illustration.

Opening and Closing the Keyboard Cover

To open the cover, grip it with both hands and pull it up slightly, then slide it back.

* Be careful not to pinch your fingers when opening and closing the cover.

* To close the cover, pull it all the way forward, then lower it slowly.

* Small children should only open and close the cover under adult supervision.

* Be sure to keep the cover closed when moving the piano to avoid accidents or injury.

Connection to External Audio Equipment

Connect the OUTPUT R/L terminals on the back of the keyboard to the AUX IN (or LINE IN) terminals of an external amplifier, stereo or recording device. Doing so will allow you to play the keyboard through external speakers or record on a tape recorder.

HP-2900G

OUTPUT R/L

AUX IN R/L
LINE IN R/L
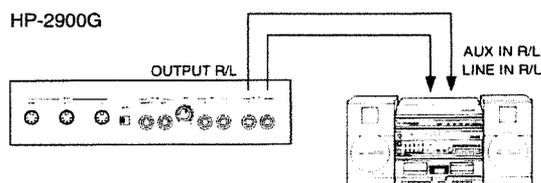
* Be sure to use the L (MONO) output jack of the keyboard when connecting to equipment that accepts only a mono input.

Listening to Other Sources Through the Internal Speakers

If you have another electronic musical instrument which has no built-in speakers, you can connect it to the HP-2900G and hear it through the built-in speaker systems in the keyboard.

HP-2900G

LINE IN R/L

OUTPUT R/L
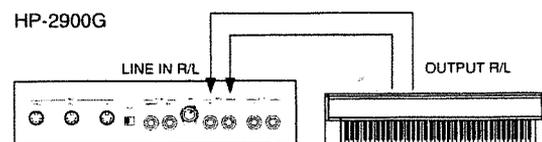
* Two cables are necessary in order to connect the piano to a stereo instrument.

* The volume of the connected instrument can be adjusted by the volume control on the instrument.

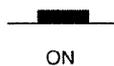* Use the L (MONO) input jack of the piano when connecting an instrument with a mono output.

Turning On the Power

(1) Connect the power cord to the piano and then plug the other end into an AC outlet.
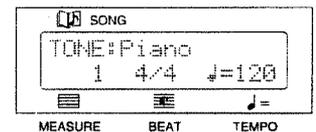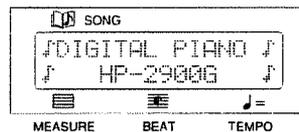
To Power Outlet
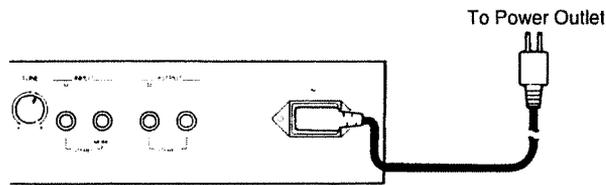
(2) Turn on the power by pressing down the **POWER** button at the left of the panel.
After a few seconds the display shown below appears.

Pressing the button once

■

ON

♪ SONG
♪DIGITAL PIANO ♪
♪   HP-2900G   ♪

MEASURE   BEAT   TEMPO

♪ SONG
TONE:Piano
1 4/4 ♩=120

MEASURE   BEAT   TEMPO

Pressing the button again

■

OFF

* In order to protect sensitive circuits, the output of the HP-2900G is momentarily muted after the power is turned on.
* Be sure to use the provided power cord.
* Unplug the power cord from the outlet when not using the HP-2900G for extended periods.

Using Headphones

The headphone jacks are located at either end of the keyboard.
Sound is not output through the built-in speakers of the keyboard when headphones are connected to the left terminal, allowing you to enjoy playing without disturbing others. (However, sound is output through the built-in speakers when headphones are connected to the right terminal only.)
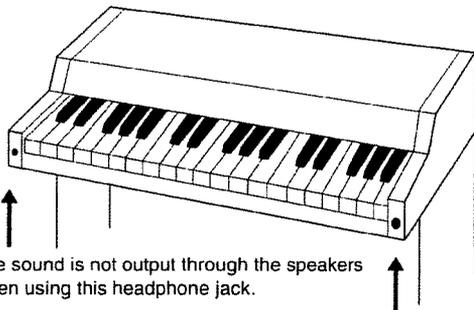
The sound is not output through the speakers when using this headphone jack.

The sound is output through the speakers when using this headphone jack.
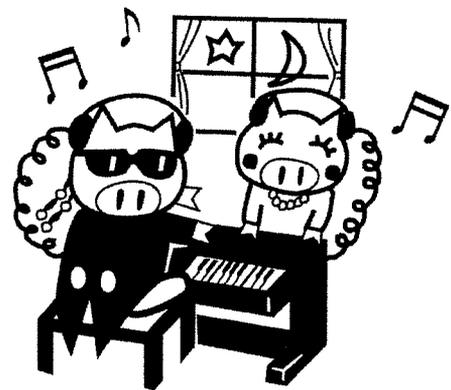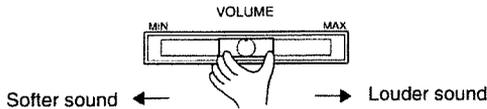
The volume of the headphones is adjusted by the volume control.

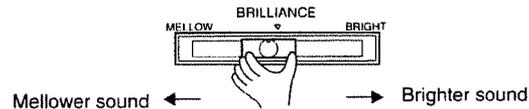* Stereo headphones (such as the optional RH-20, RH-80, or RH-120) are recommended.

Adjusting the Volume

The level of the sound is adjusted by the **VOLUME** slider.

VOLUME
MIN   MAX

Softer sound ◄—— ——► Louder sound

Adjusting the Tone Quality

The tone quality is cnotrolled by the **BRILLIANCE** slider.

BRILLIANCE
MELLOW   ▽   BRIGHT

Mellower sound ◄—— ——► Brighter sound

Selecting Sounds (Four Basic Sounds, Plus Sixty-four Variations)

Selecting the basic sound

Select the desired sound by pressing the appropriate sound button.
The selected sound is indicated in the upper part of the display.

PIANO   HARPSI-   VIBRA-   E.PIANO   VARIATION   CHORUS   REVERB
         CHORD   PHONE
                                        └————▼————▲

PIANO	A lovely grand piano sound.
HARPSICHORD	A delicate and elegant harpsichord sound.
VIBRAPHONE	A rich vibraphone sound.
E. PIANO (Electric Piano)	The clear and distinctive Rhodes piano sound.

E.PIANO ⇨

🎵 SONG
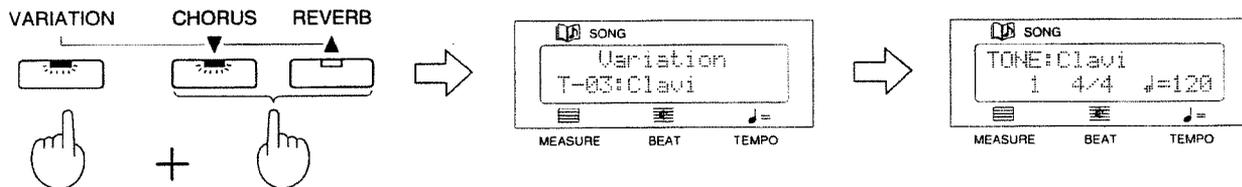TONE:Ele.Piano
      1   4/4   ♩=120
MEASURE   BEAT   TEMPO
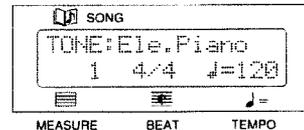
Selecting variation sounds

Any sound can be selected from the sixty different musical instrument sounds and four drum sets by pressing **VARI-ATION**. The sounds of the drum sets differ depending on the keys played. (See P.16 and P.17 for the list of the sounds.)

The display is changed by pressing ▲ or ▼ while holding down **VARIATION**.
Select the sound by pressing ▲ or ▼ again.

VARIATION   CHORUS   REVERB
└————▼————▲

⇨

🎵 SONG
   Variation
T-03:Clavi
MEASURE   BEAT   TEMPO

⇨

🎵 SONG
TONE:Clavi
      1   4/4   ♩=120
MEASURE   BEAT   TEMPO

While holding   +

To move rapidly through the selections: You can move rapidly through the selections in a forward direction by holding down the ▼ button and pressing the ▲ button. You can do the same in the reverse direction by holding down the ▲ button and pressing the ▼ button.

* Switching Sounds During Performance

If the sound is changed while playing the keyboard, the sounds which was played will decay naturally, and the new sound will be heard beginning with the next notes played. (The sounds change immediately in the case of the four drum sets.)

Chorus

A rich, three-dimensional effect can be added to the sound by pressing **CHORUS**.

CHORUS   CHORUS
▼   ▼

Chorus on   Pressing the button
                 again turns Chorus off
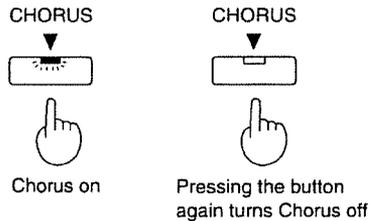
* See P.34 for instructions on changing the depth of the chorus effect.

Reverb

An ambient, reverberant sound, like that created in a concert hall, can be added by pressing **REVERB**.
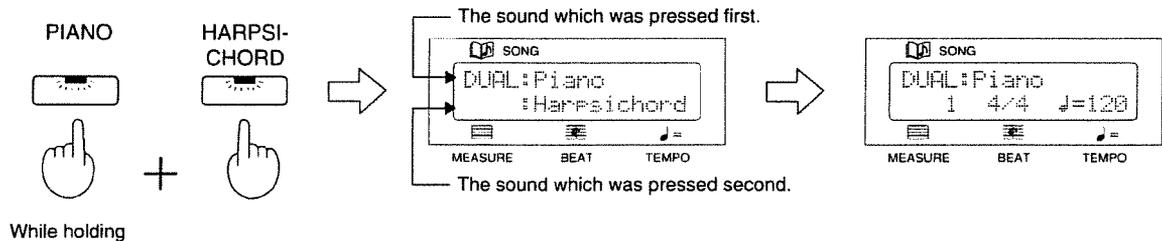
REVERB   REVERB
▲   ▲

Reverb on   Pressing the button
                 again turns Reverb off
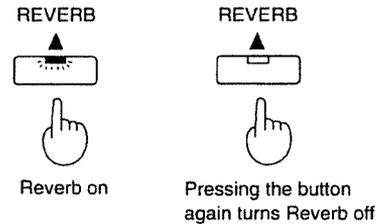
* See P.34 for instructions on changing the depth of the reverb effect.

Layering Sounds (Dual)

You can select a combination of two different sounds by simultaneously pressing down two sound buttons.

Combining Two Basic Sounds

For example, press down **HARPSICHORD** while holding down the **PIANO** button.

PIANO   HARPSI-CHORD

┌─ The sound which was pressed first.

   SONG   SONG
  DUAL:Piano   DUAL:Piano
      :Harpsichord   1 4/4 ♩=120

MEASURE BEAT TEMPO   MEASURE BEAT TEMPO

└─ The sound which was pressed second.

While holding

Combining a Basic Sound with a Variation Sound

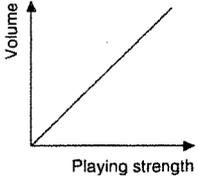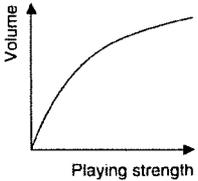Select the variation sound first. (See P.12)
Press the **VARIATION** button while holding down the button for the basic program (for example **PIANO**).

PIANO   VARIATION

   SONG   SONG
  DUAL:Piano   DUAL:Piano
      :Clavi   1 4/4 ♩=120

MEASURE BEAT TEMPO   MEASURE BEAT TEMPO

While holding
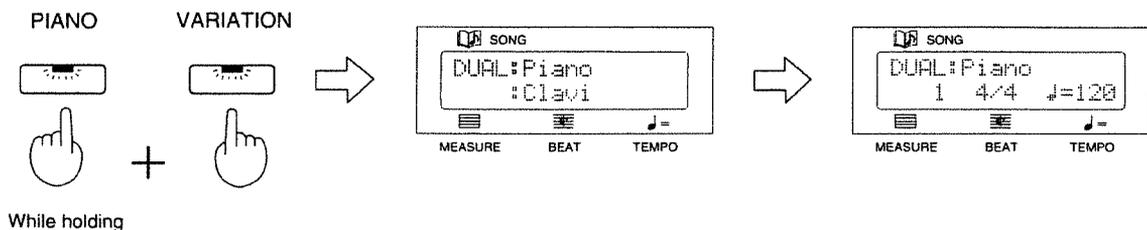
* It is not possible to combine two variation sounds.
* The volume of the latter sound can be adjusted by using the **PLAYBACK VOL** slider.
* The chorus or reverb effect is applied equally to both sounds.
* When recording and playing back a song using the Piano Partner function, the most recently selected sound is cancelled and only the sound which was selected first is used.
* The name of the sound which was selected (or pressed) first is indicated in the upper part of the display; the second one selected is indicated in the lower part of the display.

Touch Sensitivity

The volume of the instrument changes depending on how strongly the keys are played. The following settings determine the degree of volume change.

Medium	This is the medium setting, and allows you to play the keyboard with the most natural playing technique. This touch setting is the closest to that of an acoustic piano.	Volume / Playing strength
Light	With this setting, the keys feel light, since fortissimo (ff) passages can be played by using a softer-than-normal touch. This setting is particularly suited to children with developing finger muscles.	Volume / Playing strength
Heavy	With this setting, the keys feel heavy, and fortissimo passages require a stronger than normal touch. You can play more dynamically using this setting. This setting is good both for players with strong fingers and for those who want to strengthen their fingers.	Volume / Playing strength

Medium

KEY TOUCH

LIGHT   HEAVY
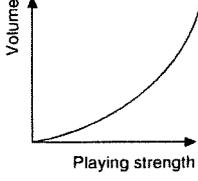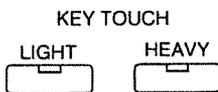
Both indicators are off.

Light

KEY TOUCH

LIGHT   HEAVY
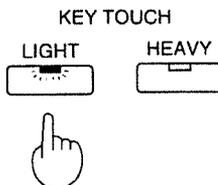
Press **LIGHT** (the indicator will light).
(Press **LIGHT** again to reselect the Medium setting.)

Heavy

KEY TOUCH

LIGHT   HEAVY
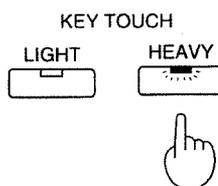
Press **HEAVY** (the indicator will light).
(Press **HEAVY** again to reselect the Medium setting.)

* Setting Medium is automatically selected each time the piano is turned on.
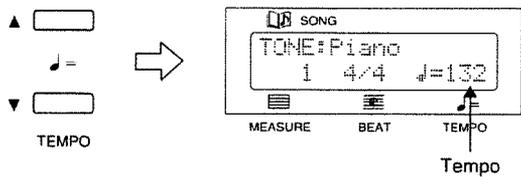
14

1. Play

The Metronome

Metronome ON/OFF

The HP-2900G features a built-in metronome for keeping perfect time as you play.
Press the **METRONOME** button (the indicator will light) and the metronome will start.

METRONOME

METRONOME

Non-pitched click

Stops when the button
is pressed again
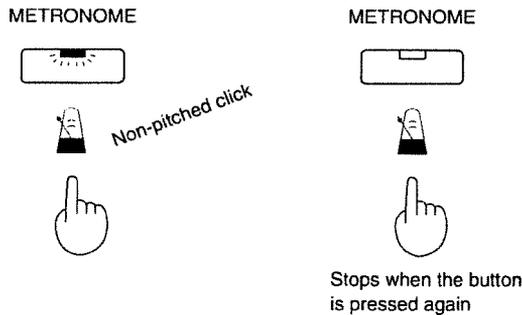
* There are two different sounds for the metronome. See P.34 for information on changing sounds.
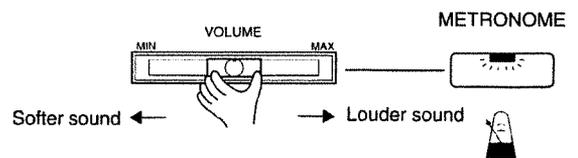
Changing the Volume of the Metronome

The volume of the metronome can be adjusted by the **METRONOME VOLUME** slider.

VOLUME

MIN   MAX

METRONOME

Softer sound ◀—   —▶ Louder sound

Changing the Speed (Tempo) of the Metronome

The tempo of the metronome can be changed to match the tempo of the song to be played.
Press the ▲ **TEMPO** button to speed up the tempo and press the ▼ **TEMPO** button to slow it down.

▲ ☐

♩ =

▼ ☐

TEMPO

⟹

SONG

TONE:Piano
        1   4/4   ♩=132

MEASURE   BEAT   TEMPO

Tempo

* The tempo can be changed over a range of ♩=20—250.
* You can move rapidly through the selections in a forward direction by holding down the ▼ button and pressing the ▲ button. You can do the same in the reverse direction by holding down the ▲ button and pressing the ▼ button.
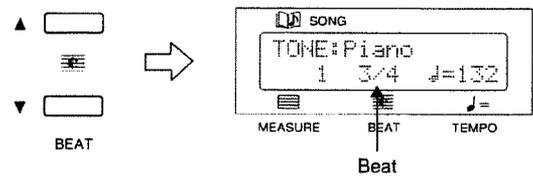
Changing the Time Signature of the Metronome

The time signature of the metronome can be changed among 5 types to match that of the song to be played.
You can set the time signature by pressing the **BEAT** ▲ or ▼ buttons.

▲ ☐

▼ ☐

BEAT

⟹

SONG

TONE:Piano
        1   3/4   ♩=132

MEASURE   BEAT   TEMPO

Beat

* The time signature (beat) can be selected from 0/4, 2/4, 3/4, 4/4, 6/4. When 0/4 is selected, the sound of the accented beat does not sound; only the sound of the weak beat is sounded.

15

List of the Sounds
Basic Sounds and Variations 1—60

	Piano			29	Pan Flute	
	Harpsichord			30	Ocarina	
	Vibraphone			31	Square Wave	Synthesized woodwind-like sound
	Ele.Piano	Electric piano		32	SynCalliope	Synthesized breath sound
01	BrightPiano			33	Fantasia	Beautiful sound with a bell attack
02	Honkytonk	Honky-tonk piano		34	Metal Pad	Bright and spacious sound
03	Syn.Piano	Synthesizer piano		35	Sweep Pad	Wavy and dreamy sound
04	Clavi			36	Soundtrack	Sci-fi type sound effects
05	Celesta			37	Crystal	Sound of a crystal tube being struck
06	Marimba			38	Atmosphere	Sound effect like strings being struck
07	TubularBell			39	Brightness	Sustained and echoed sound
08	Ele.Organ 1	Electric organ sound for jazz		40	Choir Aahs	Vocal sound ideal for simulating a church choir
09	Ele.Organ 2	Electric organ for rock and pop		41	Voice Oohs	Vocal "ooh" sound
10	ChurchOrgan			42	Syn.Voice	Synthesizer simulation of human voice
11	Accordion			43	Whistle	
12	Harmonica			44	Shakuhachi	Japanese bamboo flute
13	Strings			45	Shamisen	
14	SoftStrings	Warm strings		46	Koto	
15	Syn.Strings	Synthesizer strings		47	Sitar	
16	Cello & Vln	Features a contrabass sound in the lower range, a cello in the middle range and a violin in the high range.		48	Banjo	
17	Pizzicato	The sound of a violin's strings being plucked by hand.		49	Tinkle Bell	
18	Harp			50	Steel Drum	
19	Trumpet			51	NylonGuitar	Nylon-string acoustic guitar sound
20	MuteTrumpet	Trumpet played with a mute		52	SteelGuitar	Steel-string acoustic guitar sound
21	French Horn			53	Jazz Guitar	Distorted jazz electric guitar sound
22	Brass			54	Rock Guitar	Distorted rock electric guitar sound
23	Syn.Brass	Synthesizer brass		55	Mute Guitar	Electric guitar played with a muted technique
24	Sax			56	Aco.Bass	Acoustic (wood) bass
25	Oboe			57	Ele.Bass 1	Bright electric bass sound
26	Bassoon			58	Ele.Bass 2	Electric fretless bass sound
27	Clarinet			59	Ele.Bass 3	Finger picked bass sound
28	Flute			60	Syn.Bass	Synthesizer bass sound

Drum sets (Variations 61—64)

	61:Drums	62:Timpani Set	63:Rhythm Box	64:SFX
35	Kick Drum2	Concert BD2		
36	Kick Drum1	Concert BD1	808 Bass Drum	
37	Side Stick		808 Rim Shot	
38	Snare Drum1	Concert SD	808 Snare Drum	
39	Hand Clap	Castanets		
40	Snare Drum2	Concert SD		
41	Low Tom2	Timpani F	808 Low Tom2	
42	Closed Hi-hat	Timpani F#	808 CHH	
43	Low Tom1	Timpani G	808 Low Tom1	
44	Pedal Hi-hat	Timpani G#	808 CHH	
45	Mid Tom2	Timpani A	808 Mid Tom2	
46	Open Hi-hat	Timpani A#	808 OHH	
47	Mid Tom1	Timpani B	808 Mid Tom1	
48	High Tom2	Timpani c	808 Hi Tom2	
49	Crash Cymbal1	Timpani c#	808 Cymbal	
50	High Tom1	Timpani d	808 Hi Tom1	
51	Ride Cymbal1	Timpani d#		
52	Chinese Cymbal	Timpani e		Laughing
53	Ride Bell	Timpani f		Screaming
54	Tambourine			Punch
55	Splash Cymbal			Heat Beat
56	Cowbell		808 Cowbell	Footsteps1
57	Crash Cymbal2	Concert Cymbal2		Footsteps2
58	Vibra-slap			Applause
59	Ride Cymbal2	Concert Cymbal1		Door Creaking
60	High Bongo			Door
61	Low Bongo			Scratch
62	Mute High Conga		808 High Conga	Windchime
63	Open High Conga		808 Mid Conga	Car-Engine
64	Low Conga		808 Low Conga	Car-Stop
65	High Timbale			Car-Pass
66	Timbale			Car-Crash
67	High Agogo			Siren
68	Low Agogo			Train
69	Cabasa			Jetplane
70	Maracas		808 Maracas	Helicopter
71	Short Hi Whistle			Starship
72	Long Low Whistle			Gun Shot
73	Short Guiro			Machinegun
74	Long Guiro			Lasergun
75	Claves		808 Claves	Explosion
76	High Wood Block			Dog
77	Low Wood Block			Horse-Gallop
78	Mute Cuica			Birds
79	Open Cuica			Rain
80	Mute Triangle			Thunder
81	Open Triangle			Wind
82	Shaker			Sea Shore
83	Jingle Bell			Stream
84	Belltree			Bubble
85	Castanets			
86	Mute Surdo			
87	Open Surdo			
88		Applause		

2. The Piano Partner

The Piano Partner Function

By using the Piano Partner function, you can record your own performances or enjoy listening to music by playing back the demo song disk and other commercially available music data.

The Piano Partner can also be used in various ways for piano lessons, such as for practicing each hand separately along with the performance data, or for recording your own performance along with the original data.

Moreover, you can create full ensemble music in which five instruments sound simultaneously.

Your performances can be recorded.
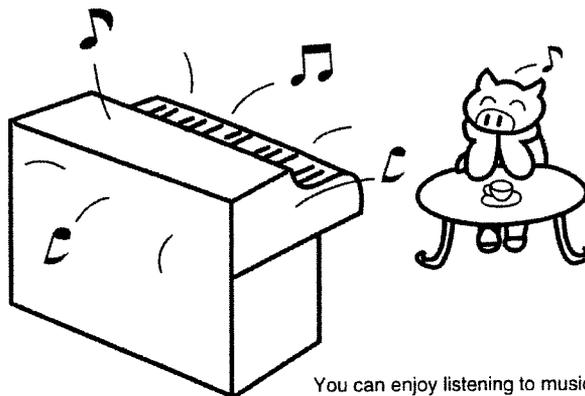
You can enjoy listening to music.

You can practice the part of one hand.
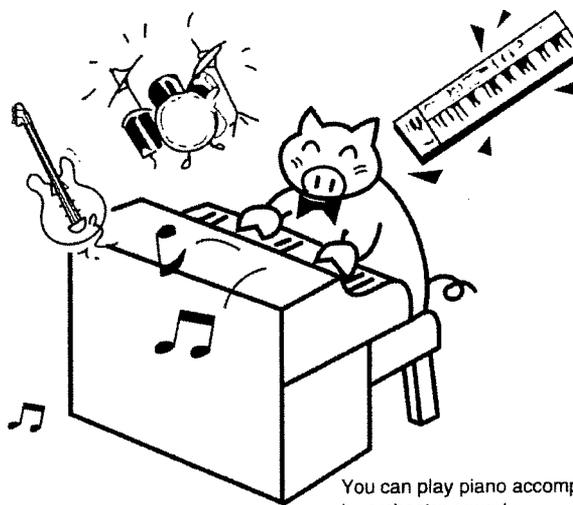
You can play piano accompanied by orchestra sounds.
(You can also compose the orchestra parts by using the multi recording function.)

Recording Your Performances

Record your favorite song with any sound.

(1) Select the sound to be recorded beforehand, and set the chorus, reverb and metronome to the desired settings. Pressing the **REC** button activates the recording standby condition.

REC

New Song
1   4/4   ♩=120

MEASURE   BEAT   TEMPO
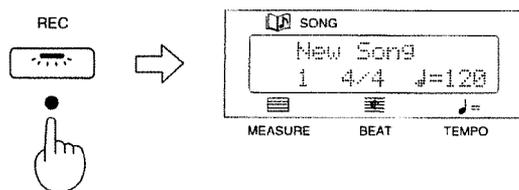
* When "New Song" is not displayed, press the **STOP** button, then press the **SONG ▲** button several times until "New Song" is displayed.

(2) The indicator of the track **1** button should be lit. When recording to another track, press the appropriate button (the indicator will light).

———————————— TRACK ————————————

RHYTHM   1   2   3   4
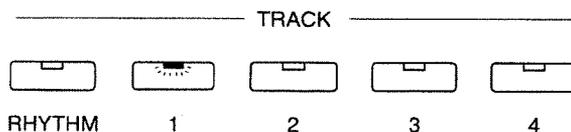
* The **RHYTHM** track is a special track for recording of the drum set. No other performance data except for that of the drum set can be recorded on this track.
* Songs in which the time signature or tempo of the metronome changes cannot be created.

(3) Press the **PLAY** button. Recording starts after a lead-in of 2 measures.
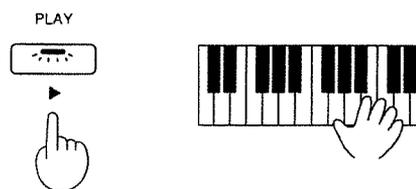
PLAY

(4) Press **STOP** when you are finished playing.

Track R 1 2 3 4

STOP

New Song *
16   4/4   ♩=120

MEASURE   BEAT   TEMPO
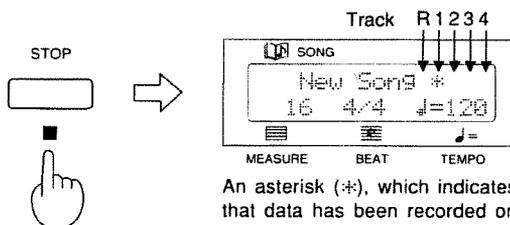
An asterisk (*), which indicates that data has been recorded on track [1], is shown in the upper part of the display.

(5) Press **RESET** to return the song to the beginning, and press **PLAY**. The recorded song is played back in its entirety.

RESET   PLAY
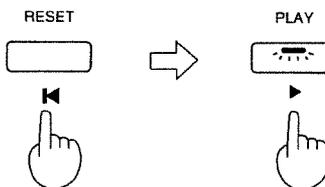
* Sounds cannot be changed during recording.
* The recorded data will be erased when the power is turned off or another song is selected.
* When recording over a track which already contains recorded data, all the data at and following the point at which recording was started deleted and replaced by the newly recorded sounds.

Multi Recording

Multi Recording is a sophisticated function that allows you to record the performance of each hand separately on different tracks, or to record different musical instrument sounds on different tracks.

———————————— TRACK ————————————

RHYTHM   1   2   3   4
          Left   Right

———————————— TRACK ————————————

RHYTHM   1   2   3   4
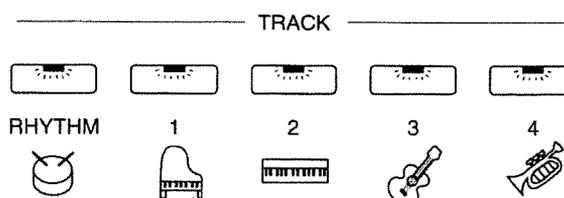
Listening to the Demo Song Disk

Eight demo songs are stored on the demo song disk. Let's try listening to them now.
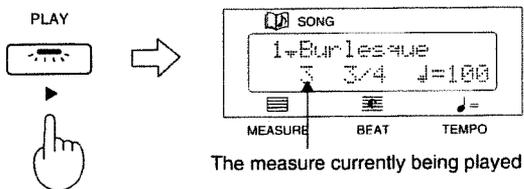
(1) Insert the demo song disk into the disk drive.
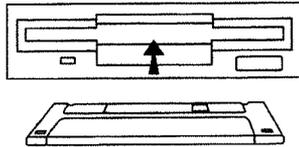
(2) Select the desired song using the **SONG ▲** or **▼** buttons.


```
 SONG
1↵Burlesque
    1  3/4  ♩=100
MEASURE   BEAT   TEMPO
```

```
 SONG
Song erase OK?
OK:↕SONG NO:STOP
MEASURE   BEAT   TEMPO
```
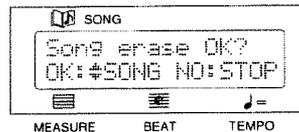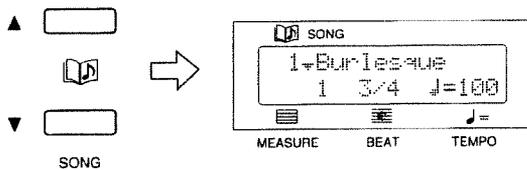
This message prompts you to confirm whether you wish to erase the recorded performance or not.
Press the **STOP** button. Save the data to disk. (See P.26.)
Press the **SONG** button when you don't wish to keep the data.

(3) Press **PLAY** to start playback (the indicator lights).


```
 SONG
1↵Burlesque
    3  3/4  ♩=100
MEASURE   BEAT   TEMPO
```
The measure currently being played

Adjusting the Volume of the Disk Playback

The volume can be adjusted by using the **PLAYBACK VOL** slider.

PLAYBACK.VOL

Softer sound ◄——   ——► Louder sound
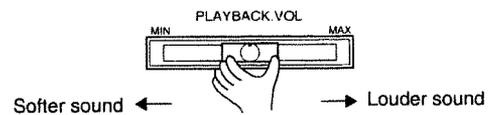
(4) Press **STOP** to stop playback (the **PLAY** indicator goes out).

STOP
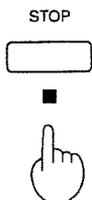
Starting Playback from the Beginning of a Song

(1) Press **RESET**.

RESET

⊩◂

Go back to 1
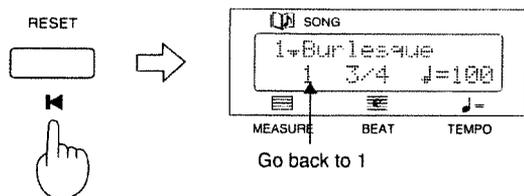
(2) Pressing **PLAY** starts playback from the beginning.

PLAY

▶
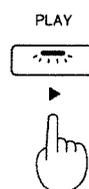
Starting Playback from the Middle of a Song

(1) Locate to the measure from which playback is to be started by pressing **BWD** (rewind) or **FWD** (fast forward).

BWD   or   FWD

◂◂   ▶▶
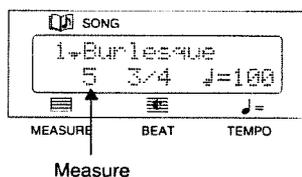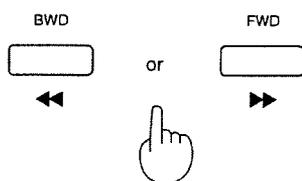
Measure

(2) When the **PLAY** button is pressed, playback starts from the beginning of the selected measure.

PLAY

▶
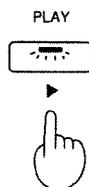
Demo Songs

	Display	Song name
1	Burlesque	Burlesque For 2 Pianos
2	Scales	Scales
3	Sun Daze	Sun Daze
4	Secret Agent	Secret Agent
5	Syncopation	Syncopation
6	Constanze	Theme For 'Constanze'
7	CountOnBlues	Count On The Blues
8	Keepers Tale	The 'Keepers' Tale

Demo songs composed and arranged by Mr. John Maul.

John Maul is a musician, composer and arranger having graduated from the Royal Academy of Music in London. John's work encompasses studio recordings and live performances, including work with top cabaret artists in the U.K. His writing credits include music for radio and television, as well as scoring jazz and classical works. As a product specialist for Roland U.K., John's talents are well utilized in the prepartion of support material for educational and instructional use. Well done, John!

(He also created the demo songs for the Roland FP-8.)

Performing with the Demo Song Disk

The HP-2900G features a "minus-one" play function that allows you to mute one part of the sound on the disk and play that part by yourself instead. For example, you can mute the piano part of the demo song "Sun Daze" and play the piano part yourself along with the orchestral accompaniment.

(1) Press **PIANO** to select the piano sound.

PIANO
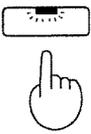
* When playing along with the included demo song disk or ISM Music Data, select the Piano voice. If you choose another voice (for example, Violin), the performance data on the disk will sound with the violin voice.

(2) Insert the included demo song disk into the disk drive, and select the song by using the **SONG** ▲ or ▼ buttons. Select the second song; "Scales".
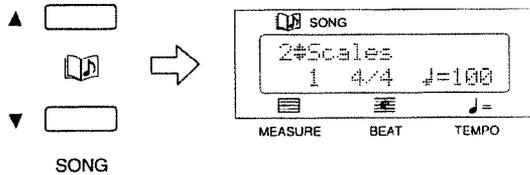
The indicators of the tracks containing performance data will light.
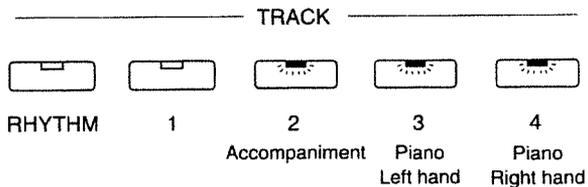
(3) Press the button of the track containing the part that you want to practice. The indicator goes out. Practice the right hand of the piano.
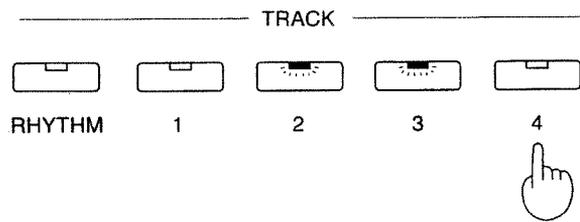
The sound of track "4" is muted.

The lamp of the button goes out (mute)

(4) Return to the beginning of the song by pressing **RESET**.
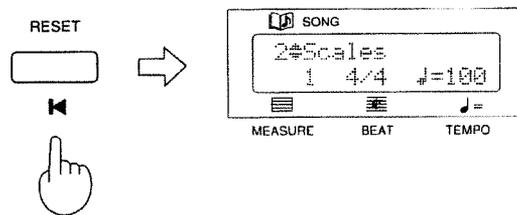
(5) The indicator is lit when **PLAY** is pressed, and the performance on track "3" starts to play back. Try performing the track "4" (right hand) part (currently muted).
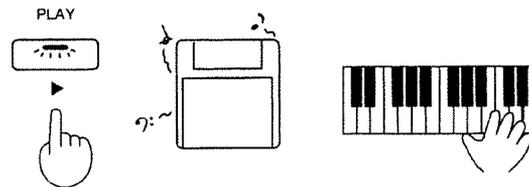
(6) Playback is stopped when the **STOP** button is pressed.

STOP
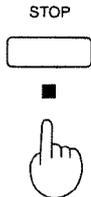
(7) Press the track "4" button to turn the track on again. The mute function of the right hand part is canceled.

————————— TRACK —————————

RHYTHM   1   2   3   4

The button lights
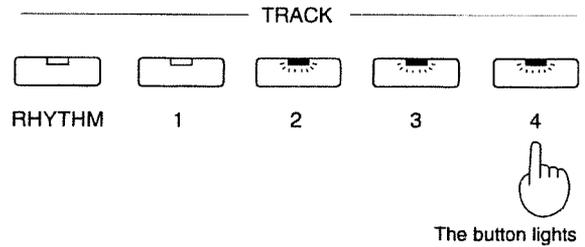
* Press **METRONOME** to turn on the metronome (the indicator lights).
* Use the **TEMPO** ▲ and ▼ buttons in order to adjust the tempo.
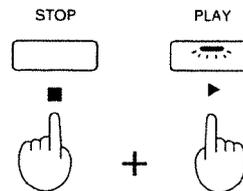* See P.32 for information on changing the transpose setting of the song.

Playing the Lead-in Count Before Playback

It is possible to have a two-measure lead-in automatically precede the beginning of a song when you press **PLAY**.

(1) Return to the beginning of the song by pressing the **RESET** button.

RESET

SONG
2♯Scales
1   4/4   ♩=100
MEASURE   BEAT   TEMPO
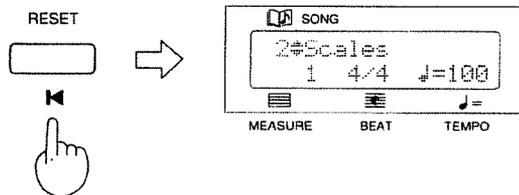
(2) Press **PLAY** while holding down **STOP**. The indication of the measure number in the display is " –2" → " –1" → "1" → "2"...

STOP   PLAY

+

* The sound of the lead-in is the same as the weak beat of the metronome. There are two sounds available for the lead-in. See P.33 for information on changing the sounds.

SONG
2♯Scales
2   4/4   ♩=100
MEASURE   BEAT   TEMPO

O   •   •   •
Clicking metronome sound

SONG
2♯Scales
-1   4/4   ♩=100
MEASURE   BEAT   TEMPO

O   •   •   •
Clicking metronome sound
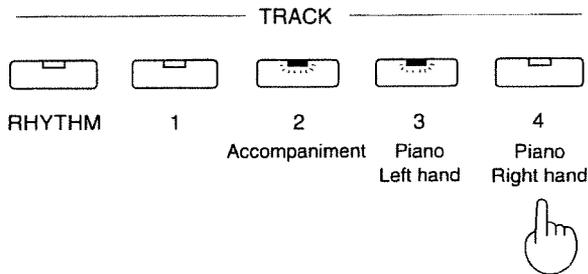
SONG
2♯Scales
1   4/4   ♩=100
MEASURE   BEAT   TEMPO
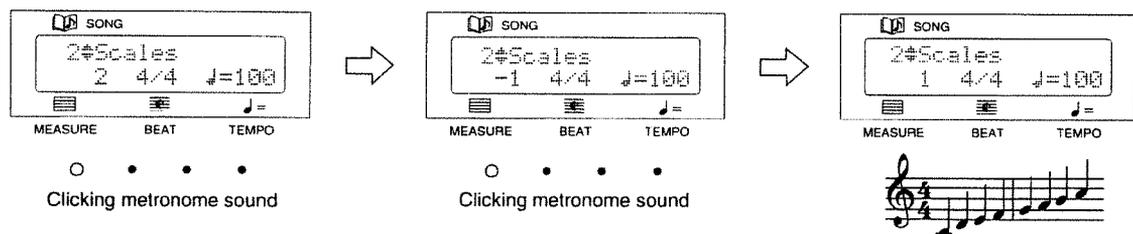
Recording a Performance with the Demo Song Disk

With the accompaniment playing back, try now to record the right hand part of "Scales" (the song you practiced before). (See P.22)
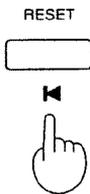
```
 SONG
2:Scales
     1   4/4   ♩=100
 ▤        ▥        ♩=
MEASURE  BEAT   TEMPO
```
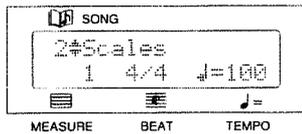
(1) Turn off the track to which the Part of the performance has been recorded. In this case, press the track 4 button (the indicator will go off).
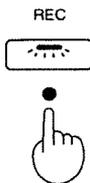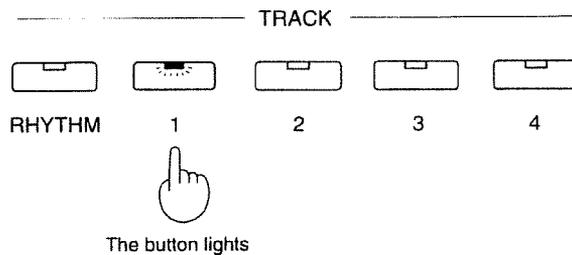
─────────────── TRACK ───────────────

RHYTHM	1	2	3	4
		Accompaniment	Piano Left hand	Piano Right hand

The lamp of the button goes out

(2) Return to the beginning of the song by pressing **RESET**.

RESET

◄◄

(3) Pressing the **REC** button activates the recording standby condition.

REC

●

(4) Press the button of the track to which you wish to record your performance (the indicator lights). Try to record to track 1 here.
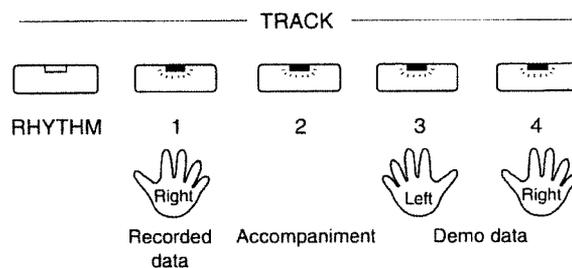
─────────────── TRACK ───────────────

RHYTHM	1	2	3	4

The button lights

(5) Pressing **PLAY** starts the recording (after a two-measure lead-in). Try playing along with the demo song.

PLAY

►
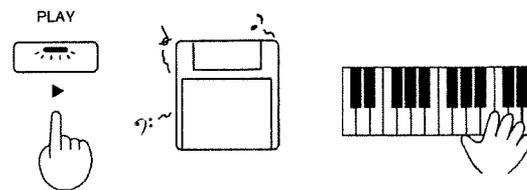
(6) Press **STOP** when finished.

STOP

■
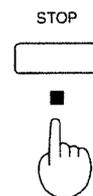
The performance data is recorded on the track as illustrated below.

─────────────── TRACK ───────────────

RHYTHM	1	2	3	4
	Right		Left	Right
	Recorded data	Accompaniment		Demo data

2. The Piano Partner

Music Software

You can enjoy automatic playback of various pieces of music with optionally available music software. Use the Chain Play function (P.35) in order to continuously play the songs on a disk, just as you would with a conventional CD.

Ask for ISM Music Data at your local Roland dealer or the store at which you purchased your HP-2900G.

1. Roland ISM Music Data

You can use the Piano Partner function of the HP-2900G to play optional ISM Music Data. Just like the included demo song disk, it allows you to record and save your own performances along with the existing data.

ism

ISM Music Data is a collection of songs which can be used with GS-compatible sound sources. These songs can be used in the same way as the demo song disk.

2. Roland SMF Music Data

You can use the Piano Partner function of the HP-2900G to play optional SMF Music Data.

However, you cannot record or save data while playing SMF Music Data. Fast forward and rewind operations for the song are also impossible.

(1) Listening to the Music Data

Start playback by pressing the **PLAY** button while holding down the **RESET** button.

* With this operation, the song is correctly played back; however, occasionally a different sound than the one selected may sound when playing the keyboard. Also, the currently playing sound of a specific Part (namely, Part 16) of the song, may be changed.

(2) Using the Minus-one Function During Playback

Start playback by pressing the **PLAY** button.

* With this operation, Part 16 of the song is not played back. Instead, you can freely play the keyboard.

* The sounds (instrument sounds) muted by the track buttons differ depending on the selected song when using the Minus-one play function. A typical example is shown below.

Track	Rhythm	1	2	3	4
Performance	rhythm	piano	bass	solo instrument	others

* See the section on the multi-timbral sound source (P.40) for a detailed explanations of the Parts.

Saving a Recorded Performance

After you have recorded a performance, it will automatically be erased when you turn off the power or select other songs, unless you save the performance to disk.
Save the performance data by using the following operation.

* Performance data cannot be saved on the demo song disk.

Saving Data to the Disk for the First Time (Formatting)

Purchase a new 3.5-inch 2HD floppy disk for use with the HP-2900G.
A new, blank disk must be formatted before it can be used with the HP-2900G. Be sure to format the disk before attempting to save performance data on it.

* Remember that all existing data will erased when formatting a used disk.

(1) If another disk is currently in the disk drive, press the eject button and remove it. Check that the protect tab of the new disk is set to WRITE (see page 9), then insert it into the disk drive.
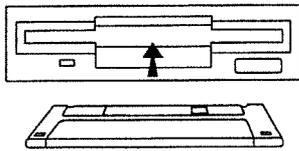
(2) Press the **SAVE** button after confirming that the Piano Partner play function is stopped.
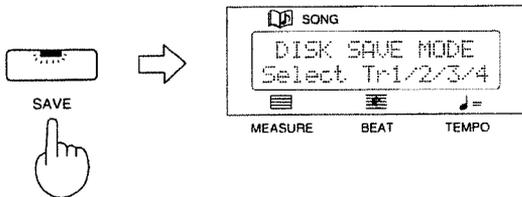
(3) Press track button **4**.
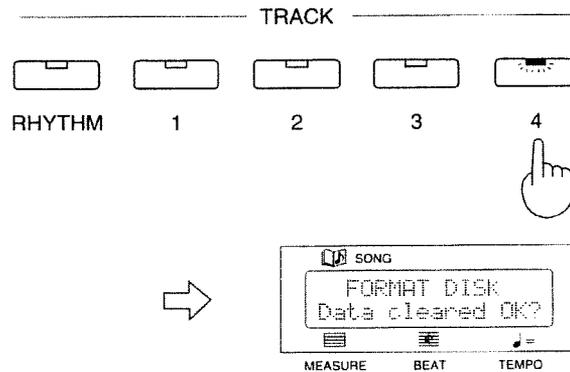
(4) The display asks whether you wish to erase all data on the disk by formatting it. Press the **PLAY** button if the data can be erased. (Press the **STOP** button if you wish to keep the data.)
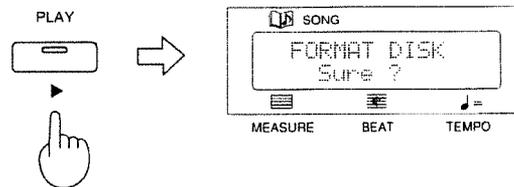
(5) The display prompts you to start the formatting operation. Press **PLAY** to format. (Press **STOP** to cancel.)
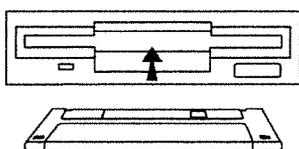
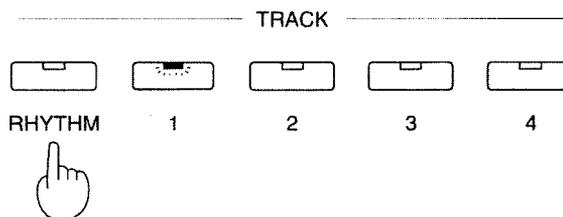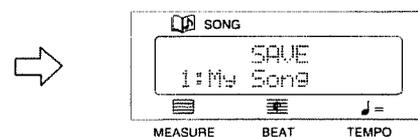(6) The LCD returns to the normal display when the **RESET** button is pressed.

PLAY

```
┌──────────────────────┐
│ 🎵 SONG              │
│   FORMAT DISK        │
│   Please wait : 80   │
│  ▤      ▤      ♩▲     │
│ MEASURE  BEAT  TEMPO  │
└──────────────────────┘
                    Count down
```

when it is completed....

```
┌──────────────────────┐
│ 🎵 SONG              │
│   FORMAT DISK        │
│   Complete           │
│  ▤      ▤      ♩=     │
│ MEASURE  BEAT  TEMPO  │
└──────────────────────┘
```
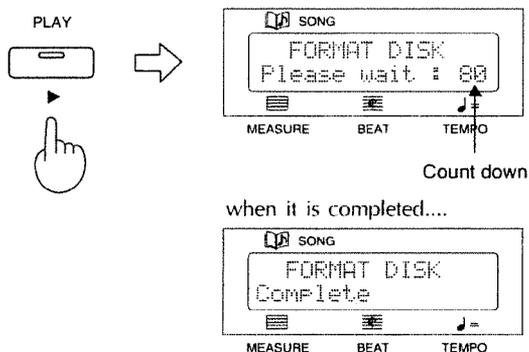
RESET
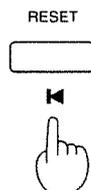
How to Save

(1) Check that the protect tab of the disk (to which you intend to save the data) is set to WRITE (see page 9), then insert it into the disk drive.

(2) Press the **SAVE** button after confirming that the Piano Partner play function is stopped.

```
┌──────────────────────┐
│ 🎵 SONG              │
│   DISK SAVE MODE     │
│   Select Tr1/2/3/4   │
│  ▤      ▤      ♩=     │
│ MEASURE  BEAT  TEMPO  │
└──────────────────────┘
```

SAVE

(3) Press track button **1**.

TRACK

RHYTHM   1   2   3   4

```
┌──────────────────────┐
│ 🎵 SONG              │
│       SAVE           │
│   1:My Song          │
│  ▤      ▤      ♩=     │
│ MEASURE  BEAT  TEMPO  │
└──────────────────────┘
```
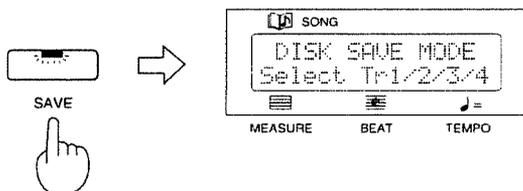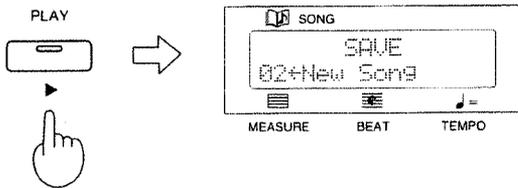
(4) Using the **SONG** button, select the number on the disk to which you wish to save the data.

▲

▼

SONG

```
┌──────────────────────┐
│ 🎵 SONG              │
│       SAVE           │
│   2:                 │
│  ▤      ▤      ♩=     │
│ MEASURE  BEAT  TEMPO  │
└──────────────────────┘
```

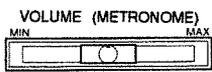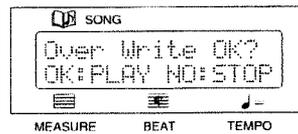When a name is entered next to the number, the song is saved to that number.
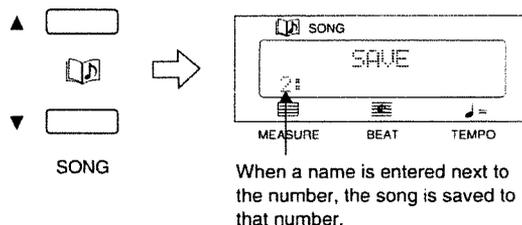
◆ How to Save

(5) Press the **PLAY** button when the number has been entered. (Press **STOP** to cancel.)

PLAY

> MEASURE BEAT TEMPO
>
> SONG
> SAVE
> 02↔New Song

(6) Enter a name for the song to be saved. The letters at the cursor position can be changed using the **TEMPO** buttons and **VOLUME** slider. The cursor can be moved to the left or right using the **BEAT** buttons.
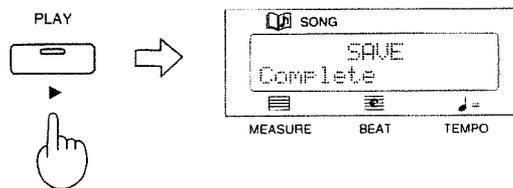
▲
♩ =
▼

TEMPO

> SONG
> SAVE
> 02↔YourSong
> MEASURE BEAT TEMPO

The characters change.

VOLUME (METRONOME)
MIN   MAX

▲
▼

BEAT

> SONG
> SAVE
> 02↔YourSong
> MEASURE BEAT TEMPO

The cursor moves.
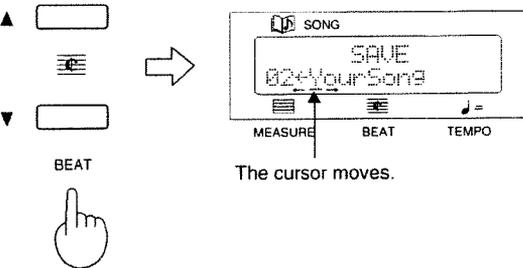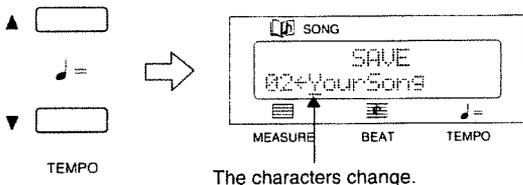
(7) Press **PLAY** after naming the song. (Press **STOP** to cancel.)

PLAY

> SONG
> SAVE
> Sure ?
> MEASURE BEAT TEMPO

> SONG
> Over Write OK?
> OK:PLAY NO:STOP
> MEASURE BEAT TEMPO
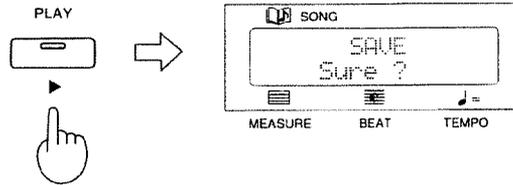
If you try to save data to a number in which song data has already been saved, you will see this message.
Press the **PLAY** button to overwrite the data to the selected number, or press the **STOP** button to cancel.

(8) The display asks you to confirm whether you wish to save the song or not. Press **PLAY** to save. (Press **STOP** to cancel.)

PLAY

> SONG
> SAVE
> Complete
> MEASURE BEAT TEMPO

(9) The LCD returns to the normal display when the **RESET** button is pressed.
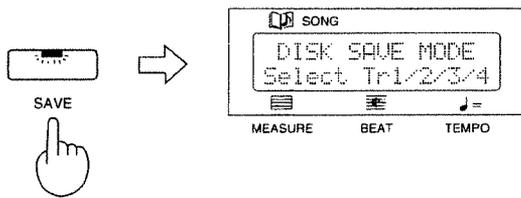
RESET

⏮
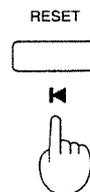
* Refer to the Message List at the end of this manual when messages other than those described above appear in the display.
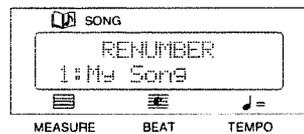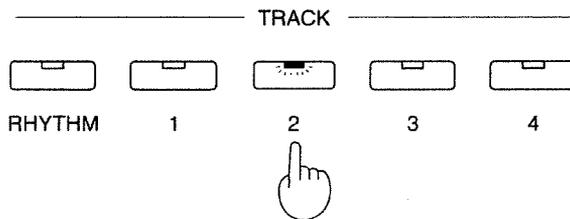
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Changing Song Numbers on a Disk

(1) Check that the protect tab of the disk (to which you intend to save the data) is set to WRITE (see page 9), then insert it into the disk drive.
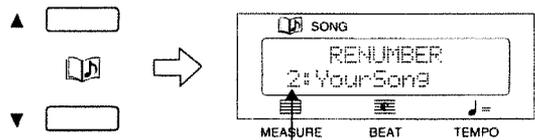
(2) Press the **SAVE** button after confirming that the Piano Partner play function is stopped.



```
[CD] SONG
DISK SAVE MODE
Select Tr1/2/3/4
MEASURE    BEAT    TEMPO
```

(3) Press track button **2**.

```
————————————— TRACK —————————————
RHYTHM    1       2       3       4
```



```
[CD] SONG
RENUMBER
1:My Song
MEASURE    BEAT    TEMPO
```

(4) Using the **SONG** button, select the number of the desired song in the disk to be changed.


```
[CD] SONG
RENUMBER
2:YourSong
MEASURE    BEAT    TEMPO
```

SONG   The number of the song to be changed

(5) Enter the number then press **PLAY**. (Press **STOP** to cancel.)

PLAY

```
[CD] SONG
RENUMBER
SONG:02↔SONG:02
MEASURE    BEAT    TEMPO
```
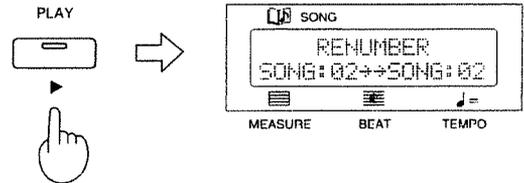
(6) Select the new number using the **SONG** button. You cannot select a number to which another song has been already saved.

▲
▼
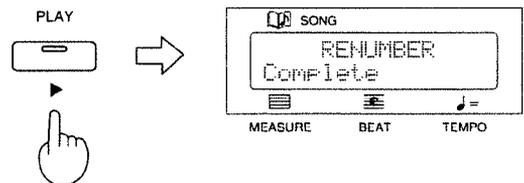
SONG

```
[CD] SONG
RENUMBER
SONG:02↔SONG:04
MEASURE    BEAT    TEMPO
```
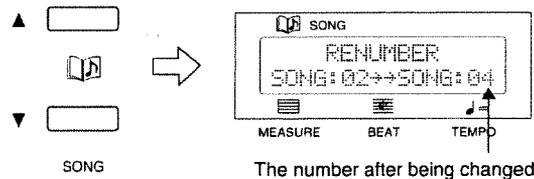
The number after being changed

(7) Press the **PLAY** button once the number has been entered. (Press **STOP** to cancel.)

PLAY

```
[CD] SONG
RENUMBER
Sure ?
MEASURE    BEAT    TEMPO
```
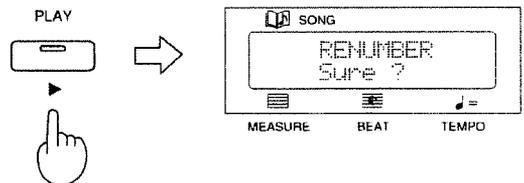
(8) The display asks you to confirm whether you wish to change numbers or not. Press **PLAY** to change the number. (Press **STOP** to cancel.)

PLAY

```
[CD] SONG
RENUMBER
Complete
MEASURE    BEAT    TEMPO
```
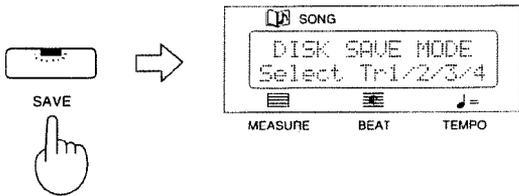
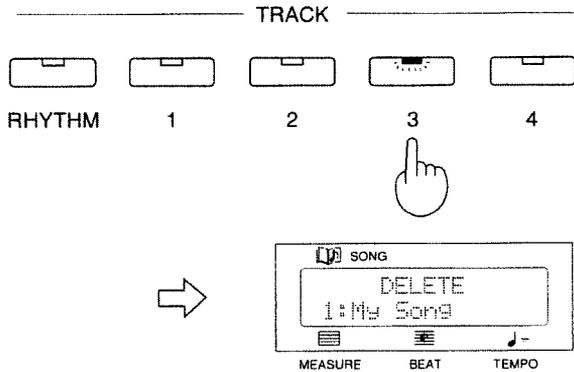(9) The LCD returns to the normal display when the **RESET** button is pressed.

Erasing Songs from a Disk

(1) Check that the protect tab (of the disk from which you intend to erase the data) is set to WRITE (see page 9), then insert it into the disk drive.
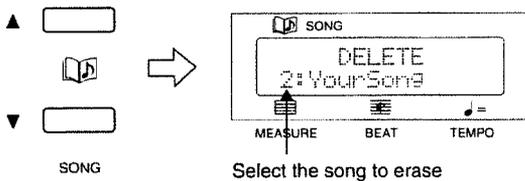
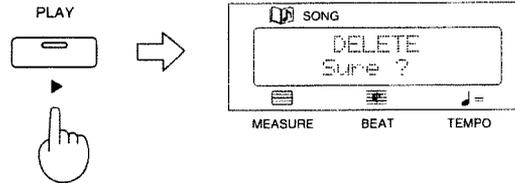(2) Press the **SAVE** button after confirming that the Piano Partner play function is stopped.

SAVE

SONG

DISK SAVE MODE
Select Tr1/2/3/4

MEASURE   BEAT   TEMPO

(3) Press track button **3**.

——————————— TRACK ———————————

RHYTHM   1   2   3   4

SONG

DELETE
1:My Song

MEASURE   BEAT   TEMPO

(4) Using the **SONG** button, select the number of the song you wish to erase.

▲

SONG

▼

SONG

SONG

DELETE
2:YourSong

MEASURE   BEAT   TEMPO

Select the song to erase

(5) Enter the number then press **PLAY**. (Press **STOP** to cancel.)

PLAY

SONG

DELETE
Sure ?

MEASURE   BEAT   TEMPO

(6) The display asks you to confirm whether you wish to erase the song or not. Press **PLAY** to erase the song. (Press **STOP** to cancel.)

PLAY

SONG

DELETE
Complete

MEASURE   BEAT   TEMPO
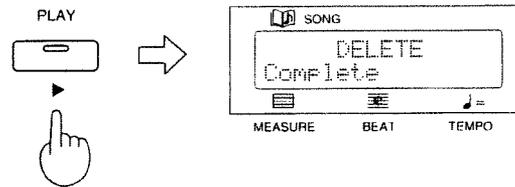
(7) The LCD returns to the normal display when the **RESET** button is pressed.
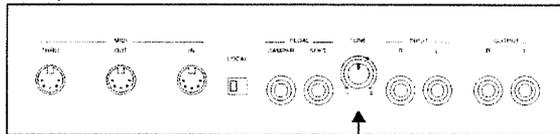
RESET

30
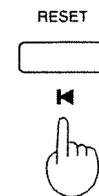
3. Functions

1. Tuning

The pitch of the HP-2900G can be adjusted using the TUNE knob on the rear panel.
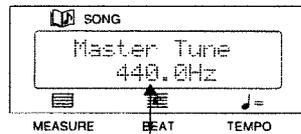
Rear panel

TUNE knob

(1) Press **FUNCTION** and then press **PIANO**.

FUNCTION

PIANO

SONG

Master Tune
440.0Hz

MEASURE   BEAT   TEMPO

The frequency of middle A

(2) Adjust the pitch using the TUNE knob.

TUNE   A:440Hz
              A:442Hz

(−50 cents) ♭   ♯ (+50 cents)

SONG

Master Tune
442.0Hz

MEASURE   BEAT   TEMPO

The frequency of middle A

(3) Press **FUNCTION** again. The original display returns.

FUNCTION

The lamp of the button goes out
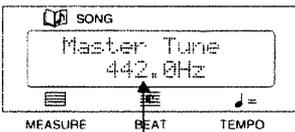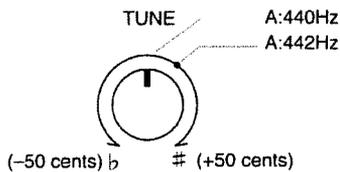
* When the knob is at the center position, the pitch of A=440Hz.
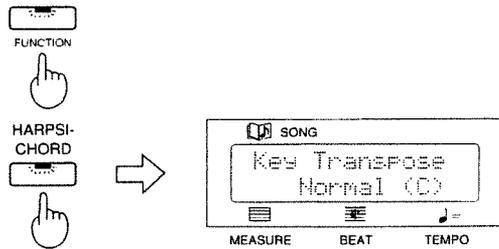* The knob is set to the center position at the factory.
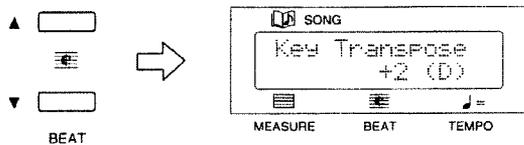
2. Key Transposition

The HP-2900G allows you to transpose the actual pitch of the instrument without having to change the key in which you are playing. This means that you can play songs in difficult keys (those having many sharps or flats) by changing to the desired tuning. This lets you match the pitch of a vocalist, for example, without having to change your fingering.

* Only the sound currently being played is transposed by the key transpose function.

(1) Press **FUNCTION** and then press **HARPSICHORD**.

FUNCTION

HARPSI-
CHORD

🛢 SONG

Key Transpose
Normal (C)

MEASURE   BEAT   TEMPO

(2) Transpose to the desired key by pressing the **BEAT ▲** or **▼** button.

▲

▼

BEAT

🛢 SONG

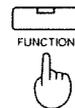Key Transpose
+2 (D)

MEASURE   BEAT   TEMPO

The pitch is raised by a half step with each press of the ▼ button (up to five times).
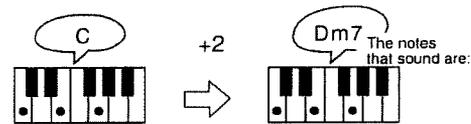The pitch is lowered by a half step with each press of the ▼ button (up to six times).

The key returns to the original one (C) when the **BEAT ▲** and ▼ buttons are pressed simultaneously.

(3) Press **FUNCTION** again before starting to play. The default display reappears.

FUNCTION

The lamp of the button goes out
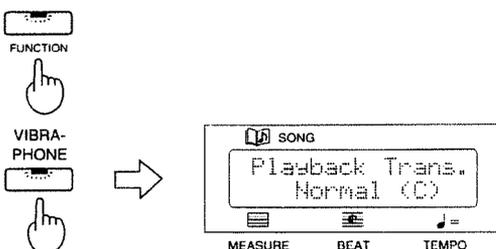
C   +2   Dm7 The notes that sound are:

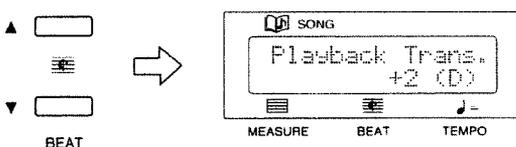## 3. Playback Transposition (Transposing the Piano Partner)

The recorded performance data can also be transposed for ease of playing.

* Only the sound of the performance data on the disk is transposed by the key transpose function. The transpose setting of your keyboard performance is not affected by this function.

(1) Press **FUNCTION** and then press **VIBRAPHONE**.

FUNCTION

VIBRA-
PHONE

🛢 SONG

Playback Trans.
Normal (C)

MEASURE   BEAT   TEMPO

(2) Transpose to the desired key by pressing the **BEAT ▲** or **▼** button.

▲

▼

BEAT

🛢 SONG

Playback Trans.
+2 (D)

MEASURE   BEAT   TEMPO

The pitch is raised by a half step with each press of the ▲ button (up to five times).
The pitch is lowered by a half step with each press of the ▼ button (up to six times).

The key returns to the original one (C) when the **BEAT ▲** and ▼ buttons are pressed simultaneously.

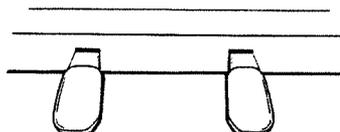(3) Press **FUNCTION** again before starting to play. The default display reappears.

FUNCTION

The lamp of the button goes out

C E G   +2   D F♯ A The notes that sound are:

Data   Data
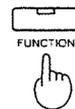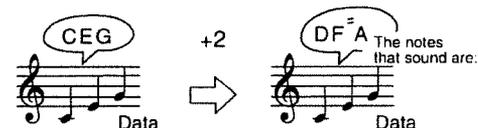
4. Pedal Functions

There are two pedals attached to the special stand.
The right pedal functions as the damper pedal, and the left one functions as the soft pedal. (The function of the left pedal can also be switched to the sosutenuto or start/stop pedal.)


Right	Damper Pedal	This lets you sustain the sound. By pressing the pedal, the sustained sound continues without being cut off, even when you release your fingers from the keyboard.
Left	Soft Pedal	The sound becomes relatively soft in volume when this pedal is pressed. (This function sometimes may have little audible effect for sounds other than piano.)
	Sosutenuto Pedal	When this pedal is pressed, the sound is sustained only for the keys currently held down. The sounds played after the pedal has been pressed are not sustained.
	Start/Stop Pedal	This pedal is used to start and stop song playback. It also is used to start recording when recording is set to standby. When pressed during recording, the recording is stopped and playback is also stopped. This pedal acts as the **PLAY** and **STOP** buttons.

Using the Left Pedal as the Sosutenuto or Start/Stop Pedal

(1) Press **FUNCTION** and then press **E.PIANO**.

FUNCTION

E.PIANO
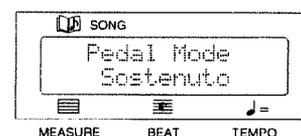
SONG
Pedal Mode
Soft
MEASURE   BEAT   TEMPO
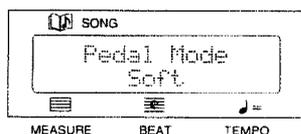
(2) Press the **BEAT ▼** button.
Select the "Sosutenuto" or "Start/Stop" function by pressing the **BEAT ▼** button a few times. (Return to "Soft" by pressing the **BEAT ▲** button a few times.)

▲

▼

BEAT

SONG
Pedal Mode
Sosutenuto
MEASURE   BEAT   TEMPO

(3) Press **FUNCTION** again before starting to play. The default display reappears.
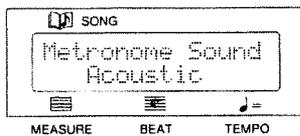
FUNCTION

The lamp of the button goes out

5. The Metronome (Lead-in sound)

Two metronome sounds are available: a traditional metronome sound (Acoustic) and an electronic metronome sound (Click).
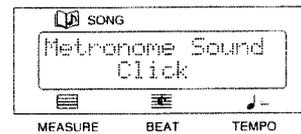
(1) Press **FUNCTION** and then press **VARIATION**.

FUNCTION

VARIATION

SONG

Metronome Sound
Acoustic

MEASURE   BEAT   TEMPO

(2) Press the **BEAT ▼** button.
(You can reselect the traditional metronome sound by pressing ▲.)

▲

▼

BEAT

SONG

Metronome Sound
Click

MEASURE   BEAT   TEMPO

(4) Press **FUNCTION** again before starting to play (the button's indicator goes out). The default display reappears.

FUNCTION
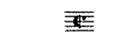
The lamp of the button goes out

6. Chorus Settings

Chorus adds warmth, fullness and depth to sounds. Ten different chorus settings are available.

(1) Simultaneously press the **CHORUS** button and the **BEAT** ▲ or ▼ button to change the display.
Change the depth of the chorus by pressing ▲ or ▼.

CHORUS   ▲   +   ▼

SONG

CHORUS LEVEL
6

MEASURE   BEAT   TEMPO

Depth of the chorus

Increase the depth of the chorus by pressing ▲.
Decrease the depth of the chorus by pressing ▼.
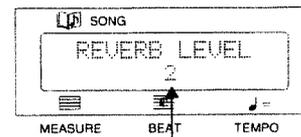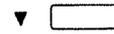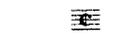The default display reappears when the buttons are released.

7. Reverb Settings

Reverb adds a natural ambient decay to sounds. Ten different reverb settings are available.

(1) Simultaneously press the **REVERB** button and the **BEAT** ▲ or ▼ button to change the display.
Change the depth of the reverb by pressing ▲ or ▼.

REVERB   ▲   +   ▼

SONG

REVERB LEVEL
2

MEASURE   BEAT   TEMPO

Depth of the reverb

Increase the depth of the reverb by pressing ▲.
Decrease the depth of the reverb by pressing ▼.
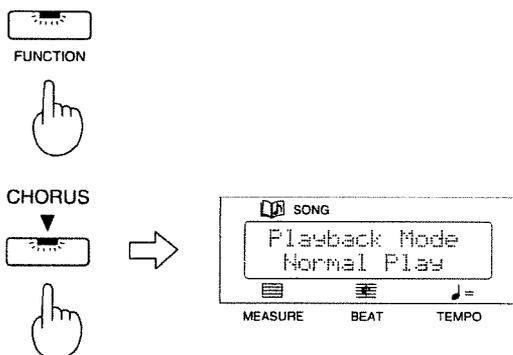The default display reappears when the buttons are released.
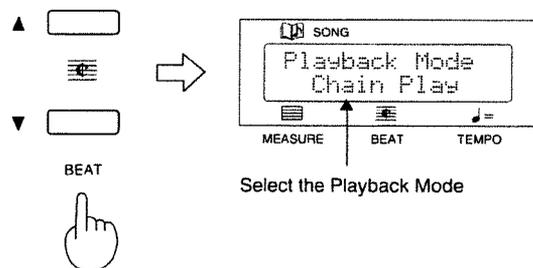
8. Playback Modes

There are 4 playback modes:

| Normal Play	The selected song is played once.
Repeat Play	Only the selected song is played repeatedly.
Chain Play	All the songs (starting from the selected song) are played repeatedly.
Introduction Play	All songs (from the selected song) play for the set number of measures (intro). They can be played repeatedly in this manner.

Mode Selection

(1) Press **FUNCTION**, then press the **CHORUS** button.

FUNCTION

CHORUS

| | SONG |
| Playback Mode |
| Normal Play |
| MEASURE | BEAT | TEMPO |

(2) Select the mode by pressing the **BEAT** ▲ or ▼ button.

▲

▼

BEAT

| | SONG |
| Playback Mode |
| Chain Play |
| MEASURE | BEAT | TEMPO |

Select the Playback Mode

(3) When selecting Introduction Play, set the number of measures to be played by pressing the **TEMPO** ▲ or ▼ buttons. (The number of measures can be set from two to sixteen.)

▲

♩=

▼

TEMPO

| | SONG |
| Playback Mode |
| Introduction 8 |
| MEASURE | BEAT | TEMPO |

Number of measures to be played
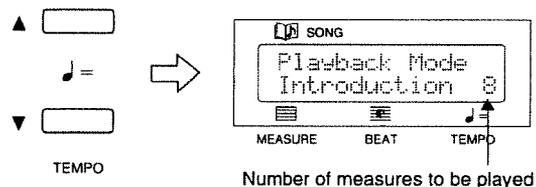
(4) Press **FUNCTION** again. The default display reappears.

FUNCTION
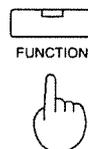
(5) Play the songs by pressing **PLAY**.

PLAY

►
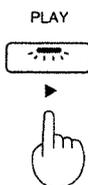
4. MIDI

What is MIDI?

MIDI is an acronym for Musical Instrument Digital Interface, an internationally accepted standard for interchanging data among different electronic musical instruments and computers. Most electronic musical instruments made today are MIDI-compatible. MIDI-compatible instruments are equipped with MIDI terminals, and these terminals are connected by MIDI cables for transferring performance and other data. Performance data which is transmitted by MIDI is not the actual sound itself, but messages such as "do this..." or "do that..." encoded and processed as digital data. All these kinds of messages are referred to as "MIDI data".

By connecting the HP-2900G to other electronic musical instruments via MIDI, you can control other instruments with the HP-2900G, or control the HP-2900G from other instruments.

MIDI Terminals

Take a look at the rear panel of the piano. The HP-2900G uses the three MIDI terminals that you see to communicate with other MIDI devices. The function of each terminal is described below.
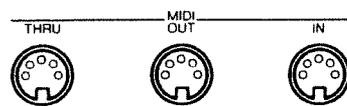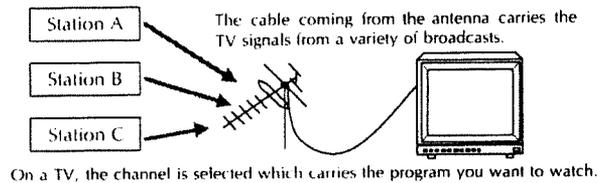
● **MIDI IN terminal**

This is like an ear which listens to MIDI data from other devices.

● **MIDI OUT terminal**

This is like a mouth which conveys MIDI data to other devices.

● **MIDI THRU terminal**

MIDI data received via the MIDI IN terminal is output through this terminal without being altered. MIDI data originating in the HP-2900G itself is not output from this terminal.
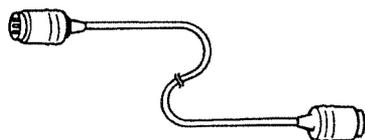
Be sure to use only specially designed MIDI cables (optional: MSC-07/15/25/50) for connecting the MIDI terminals.

The HP-2900G as a Master Keyboard (Setting the Transmission Channel)

By matching the MIDI channel with that of the connected instrument, you can play the sounds of that instrument or change the sound of the instrument. The connected instrument will not sound when the MIDI channels are not properly matched. You can think of MIDI channels as being similar to TV channels. Programs of different stations can be seen by switching the TV channel. This is because the data of the channel is conveyed when the channel of the TV station and the channel of the receiver match.

Station A

Station B

Station C

The cable coming from the antenna carries the TV signals from a variety of broadcasts.

On a TV, the channel is selected which carries the program you want to watch.

X   ch1   ch5   O   ch5   ch5

* When the connected device has a multi-timbral sound source (i.e. several parts), match the receiving channel of the part you wish to sound.
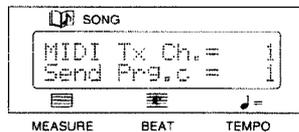
Setting the Transmission Channel

(1) Press **FUNCTION** and then press **REVERB**.

FUNCTION

REVERB

SONG

MIDI Tx Ch. = 1
Send Prg.c = 1

MEASURE   BEAT   TEMPO
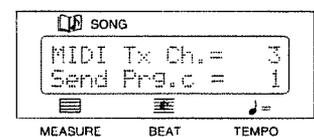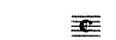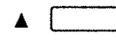
(2) Press the **BEAT** ▲ or ▼ button to select the channel. (Settings: OFF, 1—16)
When this is set to OFF, MIDI data is not output from the MIDI OUT terminal even when the keyboard is played.

▲

▼

BEAT

SONG

MIDI Tx Ch. = 3
Send Prg.c = 1

MEASURE   BEAT   TEMPO

(3) Press **FUNCTION** again before starting to play (the button's indicator goes out). The default display reappears.
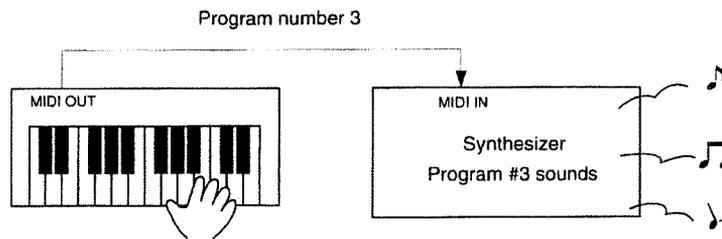
FUNCTION

The lamp of the button goes out

* The transmission channel is automatically set to "1" when the power is turned on.

4

Transmitting Program Change Messages

Program Change messages are MIDI data used to change sounds.
A different program number is assigned to each sound of a MIDI instrument. The device switches to the sound which corresponds to the Program Change messages it receives. You should carefully check which program numbers correspond to which sounds, since the numbering system may be different depending on the device used.
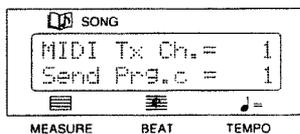
Program number 3

MIDI OUT

MIDI IN

Synthesizer
Program #3 sounds

Transmitting Program Change Messages

(1) Press **FUNCTION** and then press **REVERB**.

FUNCTION

REVERB

```
        SONG
 MIDI  Tx  Ch. =    1
 Send  Prg.c  =    1
   MEASURE     BEAT     TEMPO
```

(2) Press the **TEMPO** ▲ or ▼ button to select the program number. (Settings: 1—128)

▲

▼

TEMPO
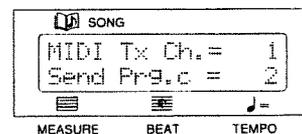
```
        SONG
 MIDI  Tx  Ch. =    1
 Send  Prg.c  =    2
   MEASURE     BEAT     TEMPO
```

* You can move rapidly through the selections in a forward direction by holding down the ▼ button and pressing the ▲ button. You can do the same in the reverse direction by holding down the ▲ button and pressing the ▼ button.

(3) Press **FUNCTION** again before starting to play (the button's indicator goes out). The default display reappears.

FUNCTION

The lamp of the button goes out

Local ON/OFF Switch

The Local ON/OFF switch is used to enable or disable the keyboard of the HP-2900G in playing the internal sound source. Setting Local to OFF is used when you want to hear only the connected MIDI sound source or when you want to play the sounds of the HP-2900G from a MIDI sequencer.

Local ON

This is the normal condition in which the internal sound source of the HP-2900G can be played from the keyboard.
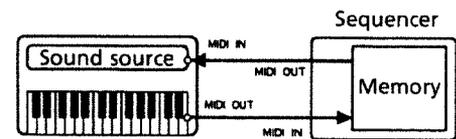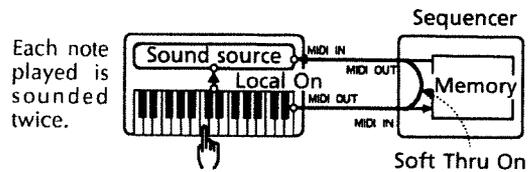
Local on

Will sound
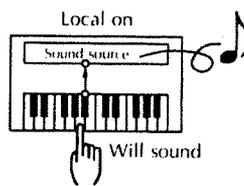
Local OFF

Sound is not output even when the keyboard is played, since the internal sound source of the HP-2900G is not connected to the keyboard.

Local off

Will not sound

Switching Local ON/OFF

The Local ON/OFF switch is found on the rear panel.

Rear panel

Rocal ON/OFF switch
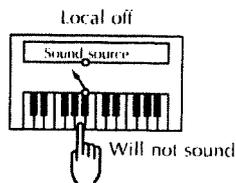
By connecting the HP-2900G to a MIDI sequencer as described below, your performance on the HP-2900G can be recorded in the sequencer and the HP-2900G sounds can be played back by the sequencer.

Sequencer

However, when the MIDI sequencer is set to SOFT THRU, you must set the HP-2900G to Local OFF. If Local is kept to ON, a MIDI "echo" results in which the same sounds are played twice. This may result in the sounds sounding strange or in some sounds not being heard at all.
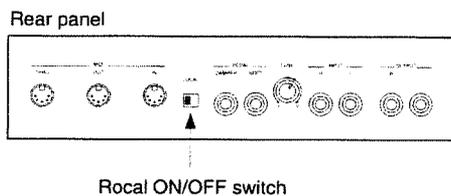
Sequencer

Each note played is sounded twice.

Local On

Soft Thru On

☆ SOFT THRU

This is the condition in which MIDI data received via MIDI IN is retransmitted without being changed.

* Local is set to ON at the factory.
* Local should only be set to OFF when a MIDI cable is connected to the MIDI IN terminal.
* The Local ON/OFF setting can be switched automatically upon reception of a local control message via the MIDI IN terminal.
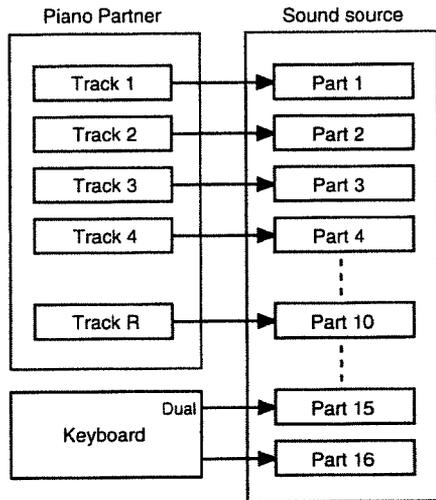
The HP-2900G's Sound Sources

Multi-timbral Sound Source with Sixteen Parts

The HP-2900G is effectively sixteen instruments in one: it has sixteen different musical instrument sound sources, and the sounds used can be selected from 198 Tones, including piano and 9 rhythm sets. (From these, 64 tones and 4 drum sets can be selected directly from the panel). Each of these sixteen sound sources is called a Part, and each Part can be made to play a different sound. This type of operation or system is referred to as "multi-timbral."
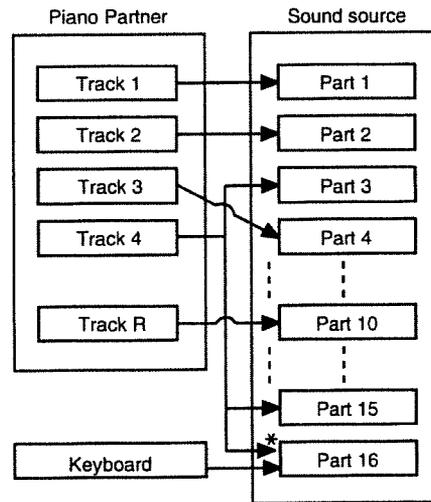
Normal Operation

Normally, Part 16 is played from the keyboard of the HP-2900G. (When it is set to Dual, it sounds Part 15 simultaneously.)
Data recorded in tracks 1 through 4 is used to playback the corresponding Parts (1 through 4). Data recorded in track R is used to play back Part 10.

Playing the Included Disk or ISM Music Data

When playing the included disk or ISM Music Data with the Piano Partner function, Part 1 is played from the keyboard.
The play data for each part of HP's sound source are assigned to one of five tracks. Since Part 1 is used for the piano sound in the ISM Music Data, select the piano sound when using the Minus-one play function or for recording. If a different sound is selected, the performance data for the piano part played back by the Piano Partner will use that different sound.
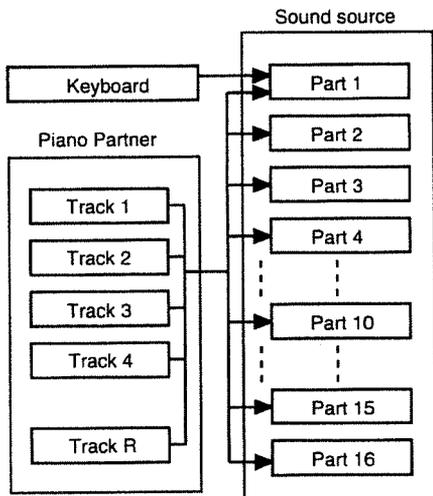

Playing SMF Music Data

When playing SMF Music Data with the Piano Partner function, Part 16 is played from the keyboard.
Track 1 sounds Part 1, track 2 sounds Part 2, track 3 sounds Part 4, track R sounds Part 10 and track 4 sounds other Parts. However, even though performance data may exist in Part 16, that data will not be played since Part 16 is reserved for play by the keyboard.

* The data for Part 16 can also be played by pressing the **PLAY** button while holding down the **RESET** button.

Messages Shown While Playing or Recording

SONG
`Improper Disk`
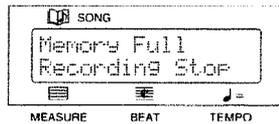MEASURE / BEAT / TEMPO ♩=

Problem: A disk incompatible with the HP-2900G has been inserted into the disk drive.

Solution: Press the **STOP** button.

SONG
`Disk Read Error`
MEASURE / BEAT / TEMPO ♩=
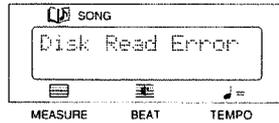
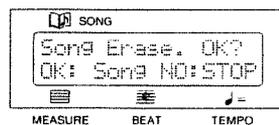**Problem:** The data cannot be read since the disk is damaged or the data in the disk is corrupted.
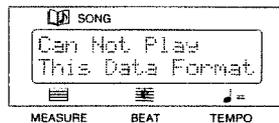
Solution: Press the **STOP** button.

SONG
`Memory Full`
`Recording Stop`
MEASURE / BEAT / TEMPO ♩=

Problem: Further recording is impossible since the internal memory of the HP-2900G is full.

Solution: Press the **STOP** button.

SONG
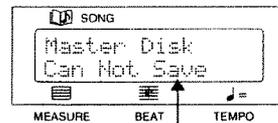`Song Erase, OK?`
`OK: Song NO:STOP`
MEASURE / BEAT / TEMPO ♩=

Problem: After recording a song and attempting to switch to another song without saving the previous one, a message appears asking you to confirm whether it is O.K. to erase the song data in the internal memory or not.

Solution: Press the **SONG** button and select the new song if the previous song's data can be erased. Press the **STOP** button and save the data if you want to keep the data of the previous song.

SONG
`Can Not Play`
`This Data Format`
MEASURE / BEAT / TEMPO ♩=

Problem: An attempt was made to play data on disk; however, it cannot be played since it was not formatted for the HP-2900G.

Solution: Press the **STOP** button.

Messages Shown When the SAVE Button Has been Pressed

SONG
`No Disk`
MEASURE / BEAT / TEMPO ♩=

Problem: A disk has not been inserted into the disk drive.

Solution: Insert a disk.

SONG
`Disk Write Error`
`Save Failed`
MEASURE / BEAT / TEMPO ♩=
Renumber, Delete, Format

Problem: Writing to the disk is impossible since the disk is damaged.

Solution: Press the **STOP** button.

SONG
`W. Protect Disk`
`Can Not Save`
MEASURE / BEAT / TEMPO ♩=
Renumber, Delete, Format

Problem: Writing to the disk is impossible since the write protect tab is set to PROTECT.

Solution: Press the **STOP** button and set the protect tab on the disk to WRITE. Try the operation again.

SONG
`Disk Full`
`Can Not Save`
MEASURE / BEAT / TEMPO ♩=

Problem: Data cannot be written to the disk since there is not enough memory space on the disk.

Solution: Press the **STOP** button. Perform the operation again after inserting a disk that has sufficient memory space.

SONG
`Master Disk`
`Can Not Save`
MEASURE / BEAT / TEMPO ♩=
Renumber, Delete, Format

Problem: The included demo song disk and ISM Music Data (optional) are master disks. The data in those disks cannot be changed since these disks are copy protected.
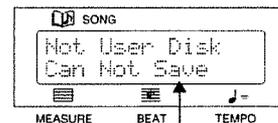
Solution: Press the **STOP** button.

SONG
`SMF Disk`
`Can Not Save`
MEASURE / BEAT / TEMPO ♩=
Renumber, Delete

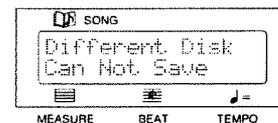**Problem:** Save, delete and renumber operations cannot be executed since the disk contains standard MIDI file data.

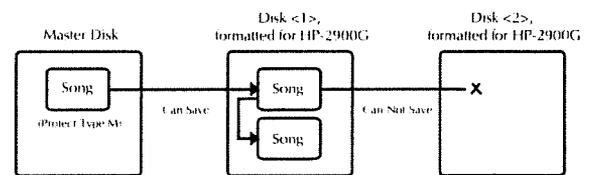**Solution:** Press the **STOP** button. Insert another disk which was formatted by the HP-2900G and try again.

SONG
`Not User Disk`
`Can Not Save`
MEASURE / BEAT / TEMPO ♩=
Renumber, Delete

Problem: Save, delete and renumber operations cannot be executed since the disk has not been formatted by the HP-2900G.

Solution: Press the **STOP** button. Insert another disk which was formatted from the HP-2900G and try again.

SONG
`Different Disk`
`Can Not Save`
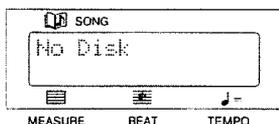MEASURE / BEAT / TEMPO ♩=

Problem: An attempt was made to save a song from one disk, which is in the protect type M ISM Music Data (optional) format, to a second disk. The data can be saved to the first disk itself.
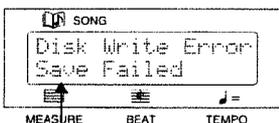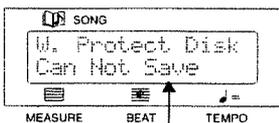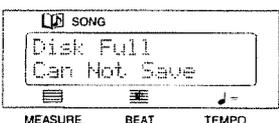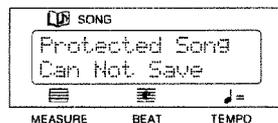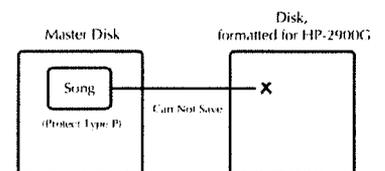

Master Disk (Protect Type M) — Can Save → Disk <1>, formatted for HP-2900G — Can Not Save → ✗ Disk <2>, formatted for HP-2900G

Solution: Press the **STOP** button.

SONG
`Protected Song`
`Can Not Save`
MEASURE / BEAT / TEMPO ♩=

Problem: An attempt was made to save the protected type P song of ISM Music Data (optional) to another disk. These songs cannot be saved.
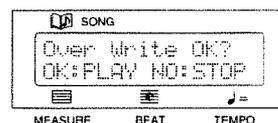
Solution: Press the **STOP** button.

Master Disk (Protect Type P) — Can Not Save → ✗ Disk, formatted for HP-2900G

SONG
`Read Only Song`
`Can Not Save`
MEASURE / BEAT / TEMPO ♩=
Renumber, Delete

Problem: Save, delete and renumber operations cannot be executed since the file has been saved as a "read only" file by MS-DOS.

Solution: Press the **STOP** button.

SONG
`Over Write OK?`
`OK:PLAY NO:STOP`
MEASURE / BEAT / TEMPO ♩=

Problem: An attempt was made to save data to a number in which song data has already been saved.

Solution: Press the **PLAY** button to overwrite the data to the selected number, or press the **STOP** button to cancel.

DIGITAL PIANO   Date:Jan. 19. 1992
Model HP-2900G   **MIDI Implementation Chart**   Version:1.00

	Function...	Transmitted	Recongnized	Remarks
Basic Default		1	1	
Channel Changed		1-16	1-16	
	Default	Mode 3	Mode 3	
Mode	Messages	OMNI OFF, POLY	Mode 3, 4 (M=1)	*2
	Altered	***************		
Note		15-113	0-127	
Number	True voice	***************	0-127	
Velocity	Note ON	O	O	
	Note OFF	X	X	
After	Key's	X	*1	
Touch	Ch's	X	*1	
Pitch Bender		X	*1	
Control	0,32	X	*3 MSB Only	Bank Select
Change	1	X	*1	Modulation
	5	X	*3	Portamento Time
	6,38	X	*3	Data Entry
	7	X	*1	Volume
	10	X	*1	Pan
	11	X	*1	Expression
	64	O	*1	Hold-1
	65	X	*1	Portamento
	66	O	*1	Sostenuto
	67	O	*1	Soft
	91	X	*3 (Reverb)	Effect 1
	93	X	*3 (Chorus)	Effect 3
	98, 99	X	*1	NRPS LSB, MSB
	100,101	X	*1	RPN LSB, MSB
	120	X	O	All Sounds Off
	121	X	O	Reset All Controllers
Prog		0-127	*1	
Change	True #	***************	0-127	
System Exclusive		X	O	
System	Song Pos	X	X	
	Song Sel	X	X	
Common	Tune	X	X	
System	Clock	X	X	
Real Time	Commands	X	X	
	Local ON/OFF	X	O	
Aux	All Notes OFF	X	O (123-125)	
Messages	Active Sense	O	O	
	Reset	X	X	
Notes		*1 Able to choose between O and X.		
		*2 Recognize as M=1 even if M≠1.		
		*3 Able to choose between O and X, only when using the receive switch of the control		
		change.		

Mode 1 : OMNI ON , POLY   Mode 2 : OMNI ON, MONO   O : Yes
Mode 3 : OMNI OFF, POLY   Mode 4 : OMNI OFF, MONO   X : No

Specifications

<Sequencer>

Capacity:Internal 1 song   approximately 21,000 sounds
          Disk   99 songs   approximately 240,000 sounds
          (3.5-inch 2HD/1.44 MB)
Track number   5
Resolution   120 ticks/quarter note
Tempo   Quarter note=20—250 beats per minute

<Sound source> (compatible with GS format/General MIDI System Level 1)

Maximum polyphony   28 voices
Number of Parts   16
Number of Tones (including the Drum Set)
    Panel selection   4 (Basic Sounds) + 60 (Variation Sounds)
    Selection by MIDI   198
Number of Drum sets
    Panel selection   4 (include a SFX set)
    Selection by MIDI   9 (include a SFX set)
Effects
    Chorus
    Reverb

<Keyboard>

88 keys (oil damper)

<Functions>

◆ Basic Section

Selecting sounds(Dual play is possible)
Basic sounds (4 sounds)
    piano, harpsichord, vibraphone, electric piano
Variation sounds (64 sounds)
    Mallet group, organ group, strings group, brass group,
    woodwind group, lead group, synth group, voice
    group, ethnic group, guitar group, bass group and
    drum set
Effects
    Chorus (ON, OFF, 10 level settings)
    Reverb (ON, OFF, 10 level settings)
3 different key touch settings (light, medium and heavy)
Volume, Brilliance

◆ Metronome Section

Metronome ON/OFF, Metronome volume, Tempo (20—
250), Time signature (0/4, 2/4, 3/4, 4/4, 6/4)

◆ Piano Partner Section

Song selection, reset, stop, play (playback), rec (record),
backward (rewind), forward (fast forward), save (writing to
disk), rename, delete, format
track selection (rhythm 1, 2, 3 and 4), playback volume

◆ Others

Master tune display
Key transpose, playback transpose (-6—+5 half-steps),
Pedal mode (damper, soft/sostenuto/play stop),
Metronome sound (acoustic, click)
MIDI transmission channel setting (1—16)
Program change transmission (1—128)
Playback mode (normal, repeat, chain, introduction)
Local (ON/OFF)
Tuning (427.6—453.0 Hz)

<Display>

16 characters; 2 lines (backlit LCD)

<Connecting terminals>

Headphone terminal×2
Output terminal×2 (stereo)
Input terminal×2 (stereo/mono)
MIDI terminal×3 (IN, THRU, OUT)
Damper pedal terminal
Soft pedal terminal

<Playback system>

Speaker   16 cm×2
Output   20 W×2
Stereo presence; auto loudness

<Cabinet finish>

Roland black oak

<Power consumption>

70 W (117 V), 55 W (230 V/240 V)

<Size>

1419 mm (W)×456 mm (D)×182 mm (H)

<Weight>

44 kg (keyboard)+16 kg (stand: KS-2900)

<Accessories>

AC cord, music stand, Demo Song Disk

* In the interest of product improvement, the specifications of this
  unit are subject to change without prior notice.

Information

When you need repair service, call your local Roland Service Station or the authorized Roland distributor in your country as shown below.

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