Roland

HP-1 Roland Digital Piano

Owner's Manual

Thank you for purchasing a Roland HP-1 Digital Piano. The HP-1 is the new entry-level model of Roland's HP series Digital Pianos. As such, it comes with all the benefits: a weighted Hammer-Action keyboard, vibrant sounds and a number of useful functions.

Authentic piano performances

A high-quality concert grand piano sound, and a keyboard that's a true pleasure to play ensure an even more realistic piano-playing experience. Thanks to its Hammer-Action keyboard, the HP-1 faithfully reproduces the feel of an acoustic piano with minute control over the sound.

Captures the brilliant resonance
The sound of a grand piano has a brilliant timbre because it contains a greater amount of high-frequency components. The HP-1 reproduces this characteristic of the grand piano.

Extended high-frequency response
One of the features of an acoustic piano is that for the strings of the highest 1 1/2 octaves, there is no damper to restrict the vibration of the strings, irrespective of whether or not the damper pedal is used. Since this also allows these strings to vibrate sympathetically with other strings, they can sometimes be heard sounding independently from the low and middle-register strings.

The HP-1 faithfully simulates these characteristics of the acoustic piano (being a digital instrument, the HP-1 contains no strings, however).

Eight Tones for a wide variety of musical genres

The HP-1 comes with eight sounds (called "Tones"). That way, you can also use your instrument for playing harpsichord, organ, and pop/jazz music.

Before using this instrument, carefully read the sections on pages 2 and 4. They provide important information concerning the proper operation of the HP-1.

To get the most out of the HP-1 and to ensure many years of trouble-free service, we urge you to read through this Owner's Manual thoroughly.

To avoid confusion, let's agree to use the word "button" for all keys on the front panel, and only use "key" when referring to the HP-1's keyboard.

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠WARNING and ⚠CAUTION Notices

⚠WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △ symbol alerts the user to important instructions or warnings.The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
⊘	The ⊘ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
●	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

- **ALWAYS OBSERVE THE FOLLOWING** -

⚠WARNING

- Before using this unit, make sure to read the instructions below, and the Owner's Manual.

....

- Do not open or perform any internal modifications on the unit.

....

- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

....

- Never use or store the unit in places that are:
  - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
  - Damp (e.g., baths, washrooms, on wet floors); or are
  - Humid; or are
  - Exposed to rain; or are
  - Dusty; or are
  - Subject to high levels of vibration.

....

- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.

....

- The instrument should be connected to a power supply only of the type described in the operating instructions, or as marked on the unit.

....

⚠WARNING

- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!

....

- This unit, 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 immediately stop using the unit, and consult an audiologist.

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- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.

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- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.

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- Protect the unit from strong impact. (Do not drop it!)

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- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.

⚠ WARNING

- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

⚠ CAUTION

- The unit should be located so that its location or position does not interfere with its proper ventilation.

- Always grasp only the plug on the power-supply cord when plugging into, or unplugging from, an outlet or this unit.

- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.

- Never climb on top of, nor place heavy objects on the unit.

- Never handle the power cord or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.

- If you need to move the instrument, take note of the precautions listed below. At least two persons are required to safely lift and move the unit. It should be handled carefully, all the while keeping it level. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.
  - Check to make sure the knob bolts securing the unit to the stand have not become loose. Fasten them again securely whenever you notice any loosening.
  - Disconnect the power cord.
  - Disconnect all cords coming from external devices.
  - Raise the adjusters on the stand (see page 7).
  - Close the lid.
  - Fold down the music stand.

- Before cleaning the unit, turn off the power and unplug the power cord from the outlet (p. 7).

- Whenever you suspect the possibility of lightning in your area, pull the plug on the power cord out of the outlet.

- Should you remove the screws fastening the stand, make sure to put them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.

1. Important notes

Power Supply

- Do not use this unit on the same power circuit with any device that will generate line noise (such as an electric motor or variable lighting system).

- Before connecting the HP-1 to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.

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

- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.

- Do not expose the instrument to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.

- To avoid possible breakdown, do not use the HP-1 in a wet area, such as an area exposed to rain or other moisture.

- Do not allow rubber, vinyl, or similar materials to remain on the HP-1 for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.

- Do not put anything that contains water (e.g., flower vases) on the piano. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

- Do not allow objects to remain on the keyboard. This can be the cause of malfunction, such as keys ceasing to produce sound.

- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.

Maintenance

- To clean the unit, use a dry, soft cloth; or one that is slightly dampened. Try to wipe the entire surface using an equal amount of strength, moving the cloth along with the grain of the wood. Rubbing too hard in the same area can damage the finish.

- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.
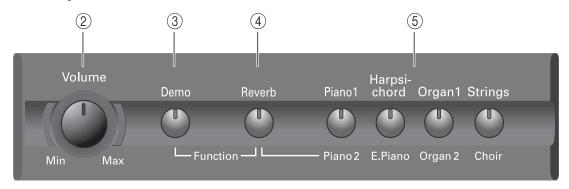
Additional Precautions

- Use a reasonable amount of care when using the HP-1's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.

- When connecting/disconnecting cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.

- A small amount of heat will radiate from the unit during normal operation.

- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones.

- When you need to transport the unit, pack it in shock-absorbent material. Transporting the unit without doing so can cause it to become scratched or damaged, and could lead to malfunction.

- Use a cable from Roland to make the connection. If using some other make of connection cable, please note the following precautions.

  - Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

Contents

2. Panel descriptions

2.1 Front panel

① **[Power] switch**
Turns the power on/off.

② **[Volume] knob**
Adjusts the overall volume level.

③ **[Demo] button**
Allows you to play back the 65 pieces the HP-1 contains. By pressing it simultaneously with the [Reverb] button, you access the HP-1's Function mode (p. 12).

④ **[Reverb] button**
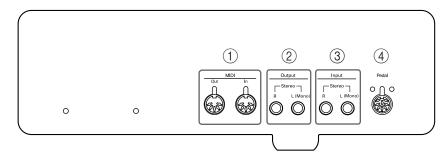This button has three functions. By pressing it, you switch the Reverb effect on and off.
By holding it down while pressing a Tone button ([Piano 1]~[Strings]), you select the alternative for the currently active Tone.
If you press it together with the [Demo] button, you access the HP-1's Function mode.

⑤ **Tone select buttons**
These buttons are used to assign the desired sound (or "Tone") to the keyboard.

2.2 Rear panel

① **MIDI Out/In connectors**
Connect to external MIDI devices to exchange performance data.

② **Output jacks**
Allows you to connect the HP-1 to sound reinforcement equipment to obtain a more powerful sound. They can also be connected to a tape recorder or other recording device to record a performance.

③ **Input jacks**
These jacks can be connected to another sound generating device, or an audio device, so that the sound of that device will be output via the HP-1's speakers.
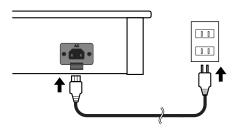
④ **Pedal connector**
Connect the pedal cable of the special stand to this socket.

3. Main operations

Note: To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.
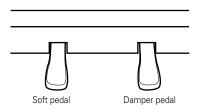
3.1 Connecting the power cord

Connect the supplied power cord to a wall outlet.

Note: Strong tension applied to the cord may damage or break it. Be careful not to pull the cord accidentally, or to apply strong pressure to it.

3.2 About the pedals

The HP-1 comes with two pedals that are built into the supplied stand:

Soft pedal   Damper pedal

Soft pedal– This pedal softens the sound. Playing with the soft pedal depressed produces a sound that is not as strong as when played with the equivalent strength. This is the same function as the left-most pedal on an acoustic piano.

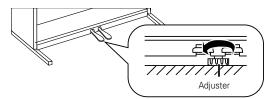*Note: You can change the left pedal's function. See (p. 16).*

Damper pedal– Use this pedal when you want the sound to linger on. While the damper pedal is depressed, the sound from the keyboard continues to linger for an extended period, even when you remove your fingers from the keys.

This is the same function as the right-most pedal on an acoustic piano.
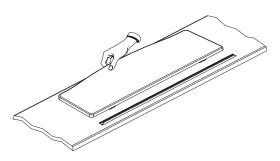
About the adjuster

When you move the HP-1 or if you feel that the pedals are unstable, adjust the adjuster located below the pedals as follows.

Rotate the adjuster to lower it so that it is in firm contact with the floor. If there is a gap between the pedals and the floor, the pedals may be damaged. In particular when placing the instrument on carpet, adjust this so that the pedals firmly contact the floor.
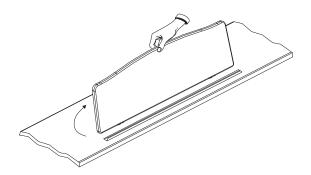

Adjuster

3.3 Setting up the music stand

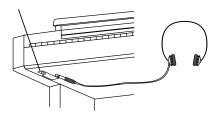Set up the music stand as shown in the figure below.

Fold out the three supporting feet at the back of the stand and check whether the stand is held in place.

Note: Before moving the HP-1, be sure to lower the music stand as a safety precaution.

3.4 Connecting optional headphones

Phones socket x2

The HP-1 features two headphone sockets. This allows two persons to listen through headphones simultaneously, making it very useful for lessons and when performing piano pieces for four hands. Additionally, this allows you to play without having to worry about bothering others around you, even at night.

1. Turn the volume all the way down.

2. Connect the headphones to either headphone socket.

3. Adjust the volume.
By connecting headphones to the HP-1, you switch off its speakers, which is ideal for playing or practising without disturbing others.

Note: Be sure to use stereo headphones (Roland RH-25/50, for example).

3.5 Turning the power on and off

Your HP-1 is fitted with an amplifier and speakers, so that you do not need additional devices.

1. Turn the volume all the way down.

2. Press the [Power] switch, to turn on the power.
The power switch is located to the left of the keyboard.

Note: Your HP-1 is equipped with a protection circuit. A brief interval after power-up is required before it will operate normally.

Turning off the power

1. Turn the volume all the way down.

2. Press the [Power] switch to turn off the power.
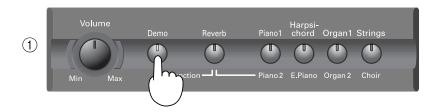
3.6 Adjusting the volume

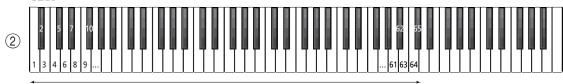**Use the [Volume] knob to adjust the volume.**

The knob's setting also determines the volume in headphones you may have connected.

3.7 Listening to the demo songs

The HP-1 contains 65 internal piano pieces you may want to listen to before starting to play yourself.

①

②

Hold down [Demo] and press one of these keys.

Playing/stopping the demo songs

1. Press the [Demo] button (indicator lights).
Playback of the first demo song starts. When it is finished, the HP-1 automatically starts playback of the second song. All demo songs will be played back one after another.

To listen to a specific demo song:

2. Hold down the [Demo] button and press a (keyboard) key to select another demo song.
The first 65 keys from the left allow you to directly select the song you want to listen to.

The demo songs will play back consecutively, starting with the song you selected. When the last song has been played, playback will return to the first song and resume.

3. To stop demo song playback, press the [Demo] button and release it.
Note: All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.
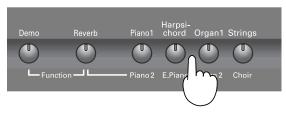
Note: The data of the demo songs are not transmitted to the HP-1's MIDI OUTput.

3.8 Selecting sounds

Playing one sound at a time
The HP-1 allows you to play eight different sounds, including piano. The HP-1's sounds are called "Tones".

1. Press the Tone button that is assigned to the Tone you want to use:

As you can see, there are four Tone buttons, while there are eight Tones:

Piano	[Piano 2]
Harpsichord	[E.Piano]
Organ 1	[Organ 2]
Strings	[Choir].

Here's what you need to do in order to access the "hidden" Tones:

2. First press the Tone button that provides access to the desired Tone.

3. Hold down [Reverb] and press the same Tone button again to select the "secondary" Tone (the name printed below the button you press).

4. To return to the "main" Tone, repeat step (3).

Playing two sounds at a time ("Dual")

It is also possible to play two Tones simultaneously (something we like to call "Dual mode"). A popular combination is piano with strings, but feel free to try out other combinations.

Right sound louder

Left sound louder

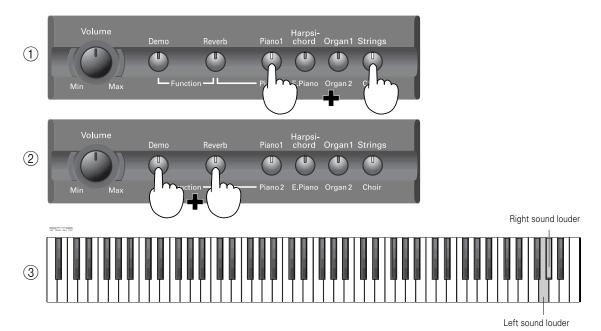**1. Hold down the Tone button of the first sound you wish to use while pressing the Tone button of the sound you want to add.**

This only works for Tones that can be accessed via the front panel (i.e. not for the "second" Tone set whose names are printed below the keys).

You can also **modify the balance** of the two Tones:

2. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

3. Press the "G7" or "G#7" key.

Press the white "G7" key to increase the volume of the Tone assigned to the "left button" ([Piano1] in the above example).
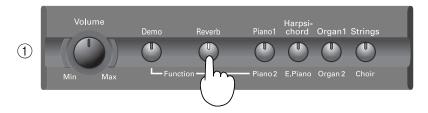
Press the black "G#7" key to increase the volume of the Tone assigned to the "right button" ([Strings] in the above example).

4. Press [Demo] and [Reverb] again to leave the HP-1's Function mode.

Note: You have to leave Function mode in order to hear what you are playing.

3.9 Adding Reverb

The HP-1 allows you to add reverberation to what you play on the keyboard. This effect gives the impression that you are performing in a concert hall or similar space.

Softer Reverb   Louder Reverb

Switching the Reverb effect on and off

At power-on, the digital Reverb effect is switched off. To use this effect, you need to switch it on:

1. Press the [Reverb] button to switch the Reverb effect on (or off).
The button's indicator lights when the Reverb effect is on.

2. Repeat the above to switch the Reverb back off (or on) again.

Setting the Reverb level

You can also set the volume of the Reverb effect to accommodate the sound your are using. You may want to select a higher Reverb level for the "Organ" sounds (to simulate the reverberations of a church) than for the piano sound, for example.

There are eight possible Reverb level settings. At power-on, the HP-1 selects level "3".
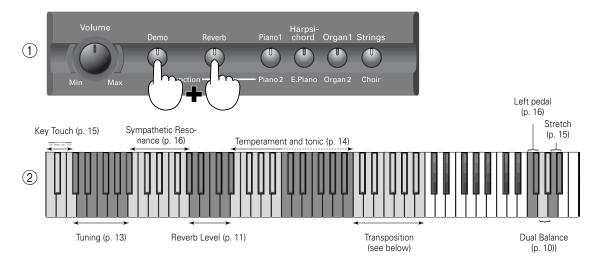
3. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

4. Press a key between the "A2" and the "E3" (see the keyboard illustration above) to set the desired Reverb level.

4. Convenient functions

4.1 About the Function mode

The functions described below need to be set in "Function mode". After selecting that mode, you can use the HP-1's keys (on the keyboard) to make the desired settings.

Some of the available functions (Dual balance and Reverb level) have already been discussed and will not be repeated.

1. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

2. See the explanations below for the key(s) to press.

....

4.2 Transposing (same fingering, different notes)

You can play in a different key while still using exactly the same fingering. That way, even songs originally written in a difficult key with many ♯ (sharps) or ♭ (flats) (i.e. with many black keys), can be played in a more convenient way. This is especially useful when you are used to playing a given song in one key, while someone else wants you to play it in another key: just change the Transpose setting and you're there.

The transposition remains in effect until you change it or until you switch off the HP-1.

[Ex.] Playing in C and sounding in E

1. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

2. Use the "C5"~"B5" notes to select the key.
For our example, press the "E" note in the indicated range.

3. To return to the previous condition, press the "C5" (leftmost note of the indicated range).

4. Press [Demo] and [Reverb] again to leave the HP-1's Function mode.

Note: The transposition only applies to the notes you play on the HP-1's keyboard. It does not apply to note messages received via the MIDI IN connector.
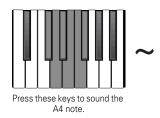
4.3 Master Tuning

When playing in ensemble with other instruments, you can adjust the HP-1's reference pitch to that of another instrument.

Middle A ("A4") is generally used for adjusting the tuning of the instruments. When playing in ensemble with other instruments, tune each instrument to the same reference pitch. "440Hz" is the power-on default for the reference pitch. **The following operations only work after selecting the HP-1's Function mode** (see p. 12 for how to select it).
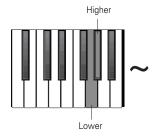
Sounding the A4 note

While tuning, it is of utmost importance to compare the HP-1's tuning with that of the external instrument or device. Since the keyboard is used for setting the Function parameters, it is no longer available for playing that note the normal way.

That is why there are six keys that allows you to sound the A4 note. These are the first six keys in the tuning range indicated on p. 12:

Press these keys to sound the A4 note.

Lowering/ raising the reference pitch

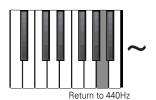The following keys ("G1" and "G#1") can be used for lowering or raising the HP-1's pitch in very small steps:

Higher

Lower

Press the "G1" note to lower the reference pitch, or the "G#1" note to raise it.
Each time you press the "G1" key, the pitch will fall by 0.1 Hz. If you continue holding the key, the pitch will continue falling.

Each time you press the "G#1" key, the pitch will rise by 0.1 Hz. If you continue holding the key, the pitch will continue rising.

Returning to 440Hz

Press the "A1" key on the keyboard.

Return to 440Hz

The reference pitch will be set to 440.0 Hz. This is the most commonly used setting.

Setting the reference pitch to 442Hz straight away

"442Hz" is a popular tuning pitch for concert grands. Rather than trying to set it using the "G1" and "G#1" keys, you can press the "A#1" key to select that tuning right away:
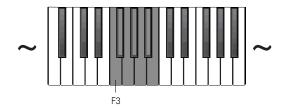
Select 442Hz

The standard pitch will be set to 442Hz, and all other notes will change accordingly.

4.4 Changing the temperament

You can play classical styles such as Baroque using historic temperaments (tuning methods).

Today, compositions are generally created with equal temperament in mind and are played using equal temperament. However in past ages of classical music, a variety of temperaments were used. Playing a composition with its original tuning lets you enjoy the sonorities of the chords that the composer originally intended.

1. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

2. Use the "F3"~"B3" keys to select the temperament:

(See p. 12 for the exact location of these keys.)

You can choose from among the seven temperaments described below.

[F3] Equal temperament– In this tuning, each octave is divided into twelve equal steps. Every interval produces about the same amount of slight dissonance. This setting is in effect when you turn on the power.

[F#3] Pythagorean– This tuning, devised by the philosopher Pythagoras, eliminates dissonance in fourths and fifths. Dissonance is produced by third-interval chords, but melodies are euphonious.

[G3] Just (major)– This tuning eliminates ambiguities in the fifths and thirds. It is unsuited to playing melodies and cannot be transposed, but is capable of beautiful sonorities.

[G#3] Just (minor)– The Just tunings differ from major and minor keys. You can get the same effect with the minor scale as with the major scale.

[A3] Mean Tone– This scale makes some compromises in just intonation, enabling transposition to other keys.
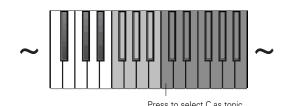
[A#3] Werckmeister– This temperament combines the Mean Tone and Pythagorean tunings. Performances are possible in all keys (first technique, III).

[B3] Kirnberger– This is an improvement of the Mean Tone and Just tunings that provides a high degree of freedom of modulation. Performances are possible in all keys (III).

Initial setting: Equal temperament

Tonic

When playing with tuning other than equal temperament, you need to specify the keynote for tuning the song to be performed (that is, the note that corresponds to C for a major key or to A for a minor key).

While still in Function mode, press the key that corresponds to the desired tonic:

Press to select C as tonic

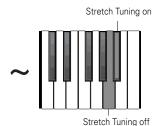If you choose an equal temperament, there's no need to select a keynote.

Note: When performing with other instruments, be aware that depending on the key, there may be some shifting of the pitch. Tune the HP-1 to the fundamental pitch of the other instruments.

3. Press [Demo] and [Reverb] again to leave the HP-1's Function mode.

4.5 Selecting the tuning curve (Stretch Tuning)

A piano is generally tuned to a pitch with a lower bass range and a higher treble range than equal temperament. This special tuning method for pianos is called "Stretch Tuning."

1. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

2. Use the "A7" or "A#7" key to switch the Stretch Tuning function on or off.

Stretch Tuning on

Stretch Tuning off

(See p. 12 for the exact location of these keys.)

[A7] Off– This is the standard tuning curve. This is the right choice when using Dual performance (p. 10), or when playing in ensemble with other instruments.

[A#7] On– This tuning curve expands the bass and treble ends somewhat. It is suitable for performances such as piano solos. This setting is in effect when you turn on the power.
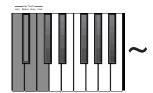
This effect works only with the piano tones.

3. Press [Demo] and [Reverb] again to leave the HP-1's Function mode.

4.6 Setting the key touch

Your HP-1 also provides a function that allows you to adapt it to your playing style, or to ensure that even your children can play loud notes. The are four "Key Touch" levels that can be selected once you have called up the Function mode (p. 12):

Press one of the keys labeled "Key Touch" to select the desired level.

Note: Though "Light" may be a good settings for beginners, they should also try to get used to playing with the "Medium" setting.

Light: Little strength is required to play at high volumes.

Medium: The keyboard reacts normally (similar to an acoustic piano).

Heavy: Choose this only if you usually strike with too much force and therefore play very bright/loud notes. This is also a good setting for practising purposes.

Fixed: The timbre (tone color) and volume are the same for all notes. The HP-1 is therefore no longer touch sensitive. This setting is probably only useful for the "Organ 1" and "Organ 2" sounds.

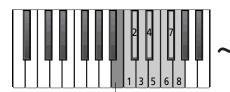*Note: At power-on, the HP-1 selects the "Medium" setting.*

4.7 Changing the damper pedal's resonance

On an acoustic piano, depressing the damper pedal makes the notes you play resonate with other strings, adding rich reverberations and fatness to the sound. The damper pedal on the HP-1 recreates this resonance (Sympathetic Resonance) when depressed.

You can select from eight levels of depth for the resonant sound (resonance level) and even switch it off.

This setting is valid only for some piano tones. It cannot be made for other Tones.

1. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

2. Use the following keys to select the desired Sympathetic Resonance setting:

Sympathetic Resonance off

(See p. 12 for the exact location of these keys.)

Use the "C2"~"G2" keys to set the desired Sympathetic Resonance level.

Press the "B1" key (leftmost key of the range) if you do not need this effect.

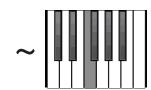**3. Press [Demo] and [Reverb] again to leave the HP-1's Function mode.**

4.8 Selecting the function of the left pedal

Grand pianos (and upmarket-models of the Roland HP series) have three pedals instead of two. This means that, in addition to the Damper and Soft pedals mentioned on p. 7, there is also a Sostenuto pedal.

On the HP-1, you can assign this function to the left pedal, in which case the Soft function is no longer available.

Sostenuto pedal– If you select this function, the left pedal allows you to sustain the notes you played at the time when you pressed the pedal. Subsequently played notes, however, will not be held.

1. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

2. Press the "F7" key to select the Sostenuto function.

(See p. 12 for the exact location of these keys.)

3. To once again select the Soft function:

• Either press the "F#7" key;

• Or switch the HP-1 off and back on again.

5. Connecting to MIDI devices

By connecting an external MIDI device and exchanging performance data, you can control the performances on one device from the other. For instance, you can output sound from the other instrument or switch Tones on the other instrument.
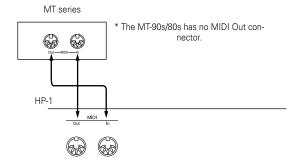
MIDI stands for Musical Instrument Digital Interface, an international standard which allows performance information to be communicated among electronic musical instruments and computers.

The HP-1 provides MIDI connectors, which allow performance data to be exchanged with external devices. When these connectors are used to connect the HP-1 to external devices, an even wider range of possibilities becomes available.
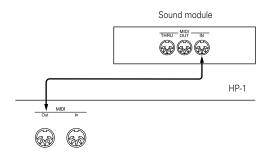
Connection examples

To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

Playing the HP-1 from a MIDI sequencer/recording an HP-1 performance on a MIDI sequencer

MT series

* The MT-90s/80s has no MIDI Out connector.

Out — MIDI — In
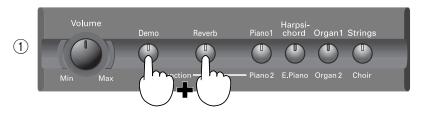
HP-1

Out   MIDI   In

Switch off the Local Control function if you have connected the HP-1 to a MIDI sequencer (p. 18). Also set your MIDI sequencer to MIDI Thru mode (so that messages received at MIDI IN will be re-transmitted without change from MIDI OUT). For details, refer to the owner's manual of your MIDI sequencer.

Perform on the HP-1 to play a MIDI sound generator

Sound module

THRU   MIDI OUT   IN

HP-1

Out   MIDI   In

5.1 Selecting the MIDI transmit channel

Here's how you can set the transmit channel and make other MIDI-related settings.

Volume   Demo   Reverb   Piano1   Harpsi-chord   Organ1   Strings

Min   Max   Function   Piano 2   E.Piano   Organ 2   Choir

①

②

Local off

2 4   7 9 11   14 16

1 3 5 6 8 10 12 13 15

MIDI channel   Local on

1. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

2. Press the "C6"~"D#7" keys to select the MIDI channel.
MIDI features sixteen MIDI channels, numbered 1~16. Simply connecting a cable is not enough for communication to take place. The connected devices must be set to use the same MIDI channels. Otherwise, no sound will be produced, and no sounds can be selected.
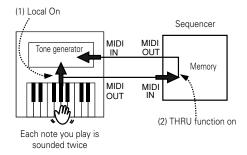*Note: The HP-1 receives on all channels 1~16.*

Note: Even in Dual mode, only the channel you specify here will be transmitted.
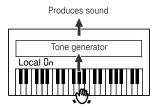
5.2 Switching Local Control on and off

When connecting a MIDI sequencer, switch off the Local Control function.
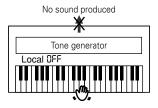
As illustrated, information describing what has been played on the keyboard is passed to the internal sound generator over two different routes, (1) and (2). As a result, you hear overlapping or intermittent sounds. To prevent this from happening, route (1) must be severed, by setting the unit to what is known as "Local Off."

Each note you play is sounded twice

Local Control on: The keyboard and the internal sound generator are in a linked state.

Local Control off: The keyboard and the internal sound generator are in an unlinked state. No sound will be produced by the keyboard when it is played.

When a Roland MT series instrument is connected, it is not necessary to make the Local Off setting. MT units transmit Local Off messages when their power is switched on. If you turn on the power in the order of the HP-1 → MT series, Local Off will be set automatically.

1. Simultaneously press [Demo] and [Reverb] to enter Function mode (both indicators flash).

2. Press the "B7" or "C8" key to set the Local function. (See p. 17 for the exact location of these keys.)

Press the "B7" key to switch the Local function off. Press the "C8" key (the rightmost key) to switch the function back on again.
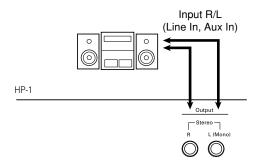
6. Connecting audio equipment

You can connect audio devices to play the sound of the HP-1 through the speakers of your audio system, or to record your performance on a tape recorder or other recording device.

When connecting, please use an audio cable with a standard phone plug (sold separately).

Connection examples

To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

Playing the sound of the HP-1 through the speakers of an audio system/Recording the performance of the HP-1 on a recording device
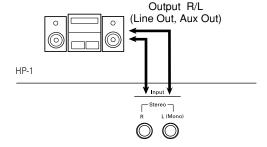
Input R/L
(Line In, Aux In)

HP-1

Output

Stereo
R   L (Mono)

Use the **following procedure** when turning on the power:

1. Turn on the power of the HP-1.

2. Turn on the power of the connected device.

3. Adjust the volume of each device.

When **recording** HP-1 performances with a **cassette deck, etc**.

4. Start recording on the connected device.

5. Perform on the HP-1.

6. When the performance ends, stop recording on the connected equipment.

Playing the sound of an audio device through the speakers of the HP-1

Output R/L
(Line Out, Aux Out)

HP-1

Input

Stereo
R   L (Mono)

Use the **following procedure** when turning on the power.

1. Turn on the power of the connected device.

2. Turn on the power of the HP-1.

3. Adjust the volume of each device.

Turning off the power

1. Set the volume of the HP-1 and of the connected devices to the minimum position.

2. Turn off the power to the HP-1.

3. Turn off the connected equipment.
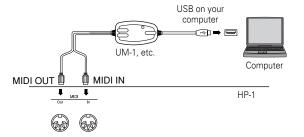
Connecting to a computer

You can use a USB→MIDI interface cable (sold separately) to connect the HP-1 to your computer.

If the HP-1 is connected to a computer running sequencer software such as Roland's "Visual MT", you can record your music.

Connection examples

• To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

• In order to make connections to your computer, you must install MIDI driver software on your computer. For details, refer to the owner's manual for your MIDI interface.

Use a USB MIDI interface cable to connect the USB port of your computer to the MIDI connectors of the HP-1.

USB on your
computer

UM-1, etc.

Computer

MIDI OUT   MIDI IN

MIDI
Out   In

HP-1

7. Appendix

7.1 Troubleshooting

If you are encountering problems with the HP-1, please read the section below before assuming that there is a malfunction.

The piano cannot be switched on
Is the power cord properly connected? (p. 7)

No sound is produced
Is the volume knob set to the minimum position? (p. 8)

Are headphones connected? (p. 8)

Did you switch off the Local function? (p. 18)

The pitch of the keyboard sounds incorrect
Is the Master Tuning setting correct? (p. 13)

Is the Transpose setting correct? (p. 12)

Did you select another temperament? (p. 14)

Bass notes sound wrong/buzzing or vibration occurs
If you can't hear the problem in the *headphones*: When playing at high volumes, resonance may occur in the piano itself or in objects near the piano. At times, other objects in the room, such as fluorescent lights or glass doors, could start vibrating. This becomes more noticeable when sounding the lower frequencies at high volume. To minimize such unwanted resonance, please observe the following:

- Locate the instrument at least 10~15 cm away from the walls.
- Reduce the volume.

- Increase the distance from the object that is resonating.

If you can hear the problem in the *headphones*, there may be another reason. Please contact your dealer.

In the upper range, the sound changes abruptly beyond a certain key
On an acoustic piano, notes in the upper one and a half octaves of the keyboard continue to sound until they decay naturally, regardless of the damper pedal. There is a difference in the timbre as well. Roland pianos faithfully simulate such characteristics of the acoustic piano. On the HP-1, the range that is unaffected by the damper pedal depends on the Key Transpose setting.

When the HP-1 is connected to an external device
No sound is produced
Is the power to all equipment turned on?

Are the connections between the HP-1 and the MIDI sequencer or the other external devices correct? (p. 17)

Is the MIDI channel setting correct? (p. 17)

7.2 Specifications

Keyboard: 88 keys, Hammer Action

Touch sensitivity: Light, Medium, Heavy, Fixed

Keyboard modes: Whole, Dual (adjustable volume balance)

Sound Source
Max. Polyphony: 64 voices

Tones: 4 groups, 8 Tones

Temperaments: 7 types, selectable tonic

Stretched Tuning: 2 types

Master tuning: 415.3 Hz~466.2 Hz (0.1 Hz-steps), quick recall of 440Hz and 442Hz

Transpose: –6~+5 semitones

Effects: Reverb (8 levels), Sympathetic Resonance (Piano only, 8 levels), Chorus (E.Piano)

Preset songs: 65 songs

Rated output power: 20W x 2

Speakers: 12cm x 2

Control: Volume control, Tone buttons, Reverb button, Demo button

Pedals: Damper, Soft/ Sostenuto (selectable)

Connectors: Output jacks (L/Mono, R), Input jacks (L/Mono, R), Headphone jack x 2 (stereo), MIDI IN/ MIDI OUT connector, Pedal connector

Power supply: AC230V

Power consumption: 45W

Dimensions: 1389.5 (W) x 443 (D) x 826 (H) mm (including stand)

Weight: 45.9 kg (including stand)

Accessories: Owner's manual, power cord

Finish: Roland Rosewood

Note: In the interest of product improvement, the specifications and/or appearance of this instrument are subject to change without prior notice.