

# RP302

## Owner's Manual

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### Main Specifications Roland RP302: Digital Piano

<b>Keyboard</b>	88 keys (Ivory Feel-G keyboard)
<b>Sound Generator</b>	Piano Sound: SuperNATURAL Piano Sound MIDI Format: Conforms to GM2/GS/XGlite
<b>Power Supply</b>	AC adaptor
<b>Power Consumption</b>	9 W (3 W-22 W) 9 W: Average power consumption while piano is played with volume at center position 3 W: Power consumption immediately after power-up; nothing being played 22 W: Rated power consumption
<b>Dimensions (with music rest)</b>	1,378 (W) x 423 (D) x 992 (H) mm 54-1/4(W) x 16-11/16 (D) x 39-1/16 (H) inches

<b>Weight</b>	40.8 kg 90 lbs
<b>Accessories</b>	Owner's manual, Leaflet "Assembling the Piano," Leaflet "USING THE UNIT SAFELY," AC adaptor, Power cord (for connecting AC adaptor), Headphone Hook, Music Rest
<b>Options (Sold Separately)</b>	USB Flash Memory * Use a commercially available USB flash drive or a USB flash drive sold by Roland. However, we cannot guarantee that all commercially available USB flash drives will work with this unit.

\* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (the leaflet "USING THE UNIT SAFELY" and the Owner's Manual (p. 18)). After reading, keep the document(s) where it will be available for immediate reference.

For the U.K.

**IMPORTANT:** THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL  
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

## Performing

### Selecting Tones ([Piano] [Other] Buttons)

This digital piano lets you enjoy playing a variety of piano tones (sounds) and other types of tones.

You can select a tone and adjust the way that it sounds.

<b>Selecting a piano tone</b>	Press the [Piano] button.
<b>Selecting other tones</b>	Press the [Other] button.
<b>Selecting various tones</b>	Press the [Piano] or [Other] button, and then press the [-] [+] buttons.
<b>Adjusting the spaciousness of the sound (Ambience)</b> <b>M</b>	Hold down the [Piano] button and press the [-] [+] buttons. * If you're using headphones and the Headphones 3D Ambience effect (p. 11) is set to "On," this lets you adjust the depth of the Headphones 3D Ambience effect.
<b>Adjusting the brightness of the sound (Brilliance)</b> <b>M</b>	Hold down the [Other] button and press the [-] [+] buttons.

[Piano] button

Display	Explanation
<b>1</b>	<b>Concert Piano</b> The sound of a splendid concert grand piano. This piano sound has our highest recommendation, and can be used for any style of music.

Display	Explanation
<b>2</b>	<b>Ballade Piano</b> A mellow grand piano sound, recommended for quiet songs.
<b>3</b>	<b>Bright Piano</b> A brilliant grand piano sound, recommended when you want the piano to stand out in an ensemble.
<b>4</b>	<b>Magical Piano</b> A charming sound that layers synth bells with Concert Piano.
<b>5</b>	<b>Piano+Strings</b> Strings layered with Concert Piano.
<b>6</b>	<b>Piano+Pad</b> A pad layered with Concert Piano.
<b>7</b>	<b>Piano+Choir</b> A choir layered with Concert Piano.
<b>8</b>	<b>Rock Piano</b> A robust piano sound, recommended for boogie-woogie playing.
<b>9</b>	<b>Ragtime Piano</b> A honky-tonk piano sound, recommended for ragtime playing.
<b>10</b>	<b>Harpischord</b> A type of keyboard instrument widely used in Baroque music, producing a delicate sound.
<b>11</b>	<b>Coupled 8+4</b> The sound of a harpsichord layered with sound an higher octave.

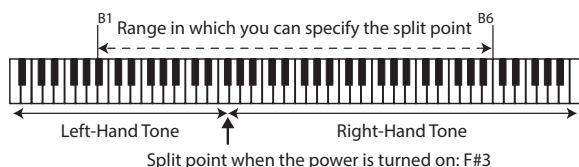


### Playing Different Tones with the Right and Left Hands ([Split] Button)

You can play different tones in the left and right sides of the keyboard, divided at a certain key.

This feature is called "Split Play," and the key at which the keyboard is divided is called the "Split Point."

<b>Turning the split feature on</b>	Press the [Split] button so it's lit.
<b>Changing the keyboard's split point</b> <b>M</b>	Hold down the [Split] button and press the key at the desired split point.
<b>Changing the Right-Hand Tone</b>	Same as "Selecting Tones."
<b>Changing the Left-Hand Tone</b>	Hold down the [Split] button and use the steps described in "Selecting Tones."



\* The split point is the highest note of the left-hand tone.

Display (example)	Pitch
<b>F 3</b>	F#3
<b>A 4</b>	A <sup>b</sup> 4
<b>C 4</b>	C4

### Layering Two Tones (Dual Play)

You can play two tones simultaneously from each note of the keyboard. This feature is called "Dual Play."

<b>Turning Dual on</b>	Hold down the [Piano] button and press the [Other] button.
<b>Turning Dual off</b>	Press the [Piano] or the [Other] button.
<b>Selecting tones</b>	Select tones for the [Piano] button and [Other] button before you turn Dual on.

1. Press the [Piano] button, and then use the [-] [+] buttons to select a tone.
2. Press the [Other] button, and then use the [-] [+] buttons to select a tone.
3. Hold down the [Piano] button and press the [Other] button to turn Dual on.

Tone 1 and tone 2 are heard together.

To turn Dual off, press the [Piano] button or the [Other] button.

### Changing the Key (Transpose)

The Transpose function lets you shift the pitch of the keyboard in semitone steps. You can use this to play the song in a different key.

For details, refer to "Transposing the Keyboard or Song (Transpose)" (p. 11).

## Performing

### Using the Metronome ([Metronome] Button)

You can perform while the metronome sounds. You can adjust the tempo or beat of the metronome.  
If a song is playing, the metronome will sound at the tempo and beat of that song.



<b>Using the Metronome</b>	Press the [Metronome] button so it blinks.
<b>Changing the Tempo</b>	Turn on the [Metronome] button to display the tempo, and then use the [-] [+] buttons. 
<b>Changing the Beat</b>	Hold down the [Metronome] button and press the [-] [+] buttons.  For details on the available time signatures, refer to "List of Time Signatures."
<b>Adding a count-in</b>	Turn on the metronome, and then press the [▶/■] (Start/Stop) button.
<b>Changing the metronome volume</b>	Hold down the [Metronome] button and use the Volume buttons.  Soft Loud

### List of Time Signatures

Display	Beat	Display	Beat
	2/2		6/4
	Only weak beats will be sounded.		7/4
	2/4		3/8
	3/4		6/8
	<b>4/4 (default)</b>		9/8
	5/4		12/8



### Adjusting the Keyboard Sensitivity (Key Touch) (M)

Here's how to change the way in which the sound responds to your keyboard dynamics. You can adjust the response as appropriate for your playing strength.

1. Hold down the [Metronome] button and press the [Split] button.
2. Use the [-] [+] buttons to choose "F01" and press the [▶/■] button.
3. Use the [-] [+] buttons to change the settings.

Value	Explanation
F (Fixed)	The sound plays at one set volume, regardless of the force used to play the keys.
L2 (Super Light)	An even lighter setting than L1 (Light).
L1 (Light)	Sets the keyboard to a light touch. You can achieve fortissimo (ff) play with a less forceful touch than "M (medium)," so the keyboard feels lighter. This setting makes it easy to play, even for children.
M (Medium)	Sets the keyboard to the standard touch. This sets the standard keyboard touch. You can play with the most natural touch. This is the closest to the touch of an acoustic piano.
H1 (Heavy)	Sets the keyboard to a heavy touch. You have to finger the keyboard more forcefully than "M (medium)" in order to play fortissimo (ff), so the keyboard touch feels heavier. Dynamic fingering adds even more feeling to what you play.
H2 (Super Heavy)	An even heavier setting than H1 (Heavy).

4. Hold down the [Metronome] button and press the [Split] button to exit Function mode.

### Dividing the Keyboard in Two (Twin Piano)

You can divide the keyboard into left and right sections so that two people can play the same pitch ranges.

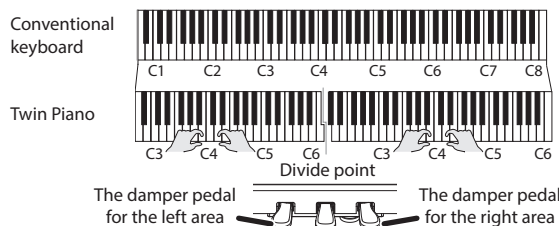
1. Hold down the [Metronome] button and press the [Split] button.
2. Use the [-] [+] buttons to choose "F03" and press the [▶/■] button.
3. Use the [-] [+] buttons to choose the "0n" setting.  
\* Concert Piano is selected.
4. Hold down the [Metronome] button and press the [Split] button to exit Function mode.

**Changing how Twin Piano sounds** (M)

In function mode, select "F02" and choose "1" or "2."


1 Notes in the right section are louder in the right speaker; notes in the left section are louder in the left speaker.

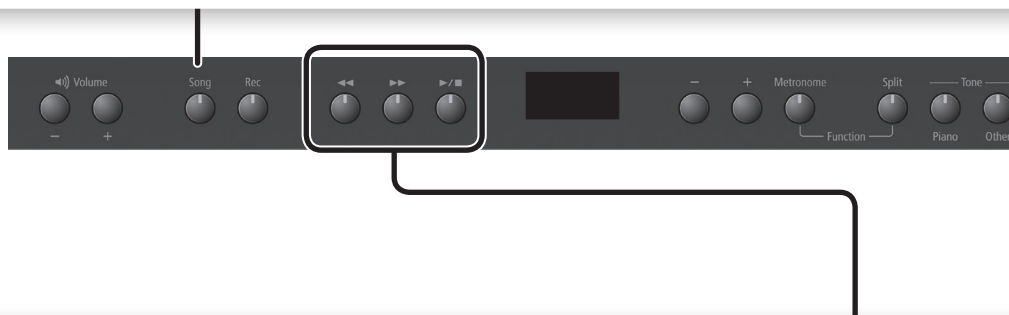
2 Notes in the right section are heard only from the right speaker; notes in the left section are heard only from the left speaker.



# Playing Back Songs

## Playing Back Songs

Selecting a Song	<p>Press the [Song] button, and then press the [-] [+] buttons. In the middle of a song, pressing the [-] button will return you to the beginning of the song.</p> <table border="1"> <thead> <tr> <th>Recorded songs</th> <th>Internal songs</th> </tr> </thead> <tbody> <tr> <td>7.01 - U.10</td> <td>2.01 - d.36</td> </tr> </tbody> </table>  <ul style="list-style-type: none"> <li>• Songs indicated by "a, b, c, d" are internal songs. For details, refer to "Internal Song List" at the end of this manual.</li> <li>• Songs indicated by "U" are songs that were recorded in internal memory.</li> <li>• Songs indicated by "N" are songs that were recorded on a USB flash drive.</li> </ul> <p>* To switch between categories "a, b, c, d, U, N," hold down the [Song] button and press the [-][+] buttons.</p>	Recorded songs	Internal songs	7.01 - U.10	2.01 - d.36	<p>Press the [Metronome] button. Use the [-] [+] buttons to change the tempo.</p> <p><b>108</b></p>
	Recorded songs	Internal songs				
7.01 - U.10	2.01 - d.36					
Changing the number of measures in a song	<p>Hold down the [Song] button and use the Volume buttons to adjust the volume of the song.</p> <p>Song volume - Manual performance volume</p> <p><b>91 - 99 - 19</b></p> <p>(Song is louder) (Same loudness) (Manual performance is louder)</p>	<p>Hold down the [Song] button and press the [▶/■] button (All Song Play).</p>				



## Functions of the [◀] [▶] [▶/■] Buttons

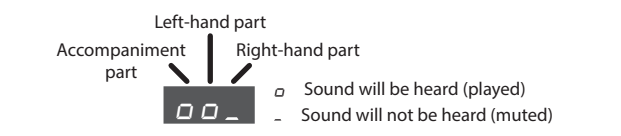
Starting/Stopping Song Playback	Press the [▶/■] button. When the song has finished playing to the end, it will stop.
Fast-Forward	Press the [▶▶] button. By holding down the [▶▶] button and pressing the [◀◀] button, you can fast-forward more quickly.
Rewind	Press the [◀◀] button. By holding down the [◀◀] button and pressing the [▶▶] button, you can rewind more quickly.

## Selecting Parts to Play

**1. Hold down the [▶/■] button and use the [-] [+] buttons to select the parts to be played.**

Through successive presses of these buttons, you can turn on or off the accompaniment part, left-hand part, and right-hand part to achieve the desired arrangement of played/muted parts.

### Playback part play/mute status indication



- \* When using Twin Piano, what you play in the left section is recorded to the left-hand part, and what you play in the right section is recorded to the right-hand part.
- \* When using Split, the left-hand tone is recorded to the left-hand part, and the right-hand tone is recorded to the right-hand part.
- \* When using Dual, tone 1 is recorded to the right-hand part and tone 2 is recorded to the accompaniment part.
- \* When playing anything other than Twin Piano, Split, or Dual, everything is recorded on the right-hand part.

## Recording Performances



You can record your performance, including accompaniment. You can play back a recorded performance to check your playing, or to play along with it.

### Getting Ready to Record

1. Select the tone that you want to play on the keyboard (p. 3).
2. Start the metronome if desired.

Press the [Metronome] button.

While the metronome is sounding, specify the tempo and time signature of the song (p. 4).

### Entering Recording-Standby Mode

3. Press the [Rec] button.

The [Rec] button will light; the unit will enter recording-standby mode.

#### MEMO

If you decide not to record (i.e., if you want to exit recording-standby mode), press the [Rec] button once again.

### Starting Recording

4. Press the [▶/■] button.

A two-measure count will sound, and then recording will start.

During the count, measure numbers " - 2" and then " - 1" will appear in the display.

#### MEMO

Recording will start automatically if you play the keyboard while in recording-standby mode.

### Stopping Recording

5. Press the [▶/■] button.

By pressing the [▶/■] button once again, you can hear the song that you just recorded.

### Selecting the Destination of the Save

6. Use the [-] [+] buttons to select the destination at which to save, and then press the [Metronome] button.

U (User) U.0 1-U. 10

n (USB) n.0 1-n.99

U 0 1

A song with no recorded data (empty song)

- Song number shown with lowercase "u" (User memory)
- Song number shown with lowercase "n" (USB flash drive)
- No dot shown

U.0 1

A song with recorded data

- Song number shown with uppercase "U" (User memory)
- Song number shown with uppercase "n" (USB flash drive)
- Dot shown

#### MEMO

If you decide not to carry out the save, press the [Rec] button to cancel it.

#### NOTE

**If you select a song that already contains data (song number with an uppercase "U" or "n") and save, the previously recorded data will be lost.**

\* While the song is being saved, an animation of a rotating "a" symbol will appear in the display for several seconds. **Do not turn off the power during this time. Doing so might cause the saved song to be lost.**

## If you want to erase the recorded song

You can erase a song by recording an empty song as follows.

1. Press the [Rec] button.
2. Press the [▶/■] button to hear the two-measure count, and then press the [▶/■] button without playing the keyboard.
3. Use the [-] [+] buttons to select the song number that you want to erase, and press the [Metronome] button.

A song containing no notes will be recorded; the song has been erased.

## Playing Songs from a USB Flash Drive (Sold Separately)

### Connecting a USB Flash Drive

#### NOTE

- If the USB flash drive contains a large number of song files, it may take some time for the data to be read.
- Use only single-byte alphanumeric characters in the file names.

### 1. Using your computer, copy your favorite songs onto your USB flash drive (sold separately).

This digital piano is able to play back SMFs (Standard MIDI Files) or audio files (WAV) from a USB flash drive.

#### Playable formats

Type	Explanation
SMF	Standard MIDI files (format 0, 1)
WAV	WAV format, 44.1 kHz, 16-bit linear

### 2. Connect your USB flash drive to the USB MEMORY port of the digital piano.

### Playing Songs

1. Press the [Song] button.
2. Use the [-] [+] buttons to select a song.

#### MEMO

- If you've selected an audio file (WAV file), a dot is displayed following the last digit.

The files on the USB flash drive are shown. "7" indicates a USB flash drive. The numbers are assigned automatically. If you later add or delete a file, the numbers will be automatically reassigned.

- All files on the USB flash drive begin with "7."
- If you use the [-] [+] buttons to make the display indicate "U" or "D," files in the internal memory are displayed.

### 3. Press the [▶/■] button to play the selected song.

The display shows the measure number of the currently playing SMF. If a WAV file is playing, the elapsed playback time is shown.

(Example: 1 minute 1 second has elapsed)

### Lower the Level of an Audio File's Central Sound

This feature lets you reduce the loudness of the central sound of the audio (Center Cancel).

### 1. When a song is selected, hold down the [▶/■] button and use the [-] [+] buttons to turn this feature "ON."

#### NOTE

This feature does not work perfectly with every song. In some cases it may be unable to fully eliminate the central sound, or may alter the recording's tone quality.

## About USB Flash Drives

If you're using a newly purchased USB flash drive, you must first format it on the RP302.

#### NOTE

- Never insert or remove a USB flash drive while this unit is turned on. Doing so may corrupt the unit's data or the data on the USB flash drives.
- Use a commercially available USB flash drive or a USB flash drive sold by Roland. However, we cannot guarantee that all commercially available USB flash drives will work with this unit.

## Formatting a USB Flash Drive

Here's how to initialize (format) the entire contents saved on a USB flash drive.

#### NOTE

- Formatting will erase everything that has been saved on the USB flash drive.
- Before using a new USB flash drive with RP302 for the first time, you must format the USB flash drive.

### 1. Connect the USB flash drive that you want to format to the USB MEMORY port.

### 2. While holding down the [Song] button, turn the power on.

Keep holding down the [Song] button until it indicates as "SUF" on the display.

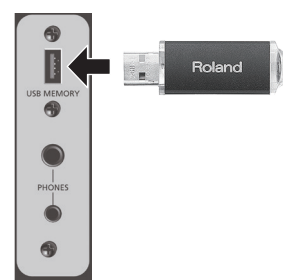
To cancel, press the [▶/■] button.

### 3. To execute the format, press the [▶/■] button.

When all the LEDs on the buttons are lit, the operation is complete.

### 4. Turn the power off, then on again.

Bottom panel



## Front Panel

### Adjusting the Volume and Balance (Volume Buttons)

#### Overall Volume

Use the Volume buttons to adjust the volume.

#### Volume Balance Between Song and the Keyboard (Song Balance)



While holding down the [Song] button, use the Volume buttons to adjust the balance.

Volume of the song – Volume of the manual performance  
  
 (Song is louder) (Same volume) (Manual performance is louder)

#### Relative Balance of Dual Tones (Dual Balance)



This is available if Dual is on. While holding down the [Piano] button and [Other] button, use the Volume buttons to adjust the balance.

Volume of the piano sound – Volume of the other sound  
  
 (Piano is louder) (Same volume) (Other is louder)

#### Relative Balance of Split Tones (Split Balance)



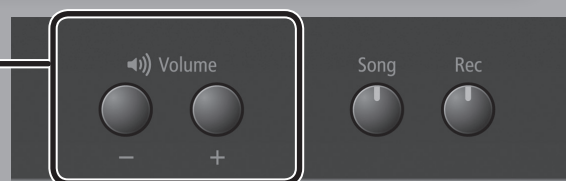
This is available if Split is on. Hold down the [Split] button and use the Volume buttons to adjust the balance.

Left-hand volume – Right-hand volume  
  
 (Left-hand is louder) (Same volume) (Right-hand is louder)

### About the Display

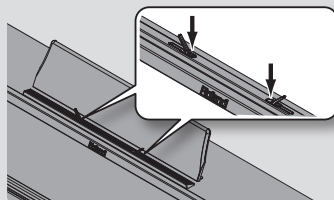
This indicates the tone number, song number, measure number, tempo, selected function, or value.

Tone number	Piano	1	Song number	Internal song	2.01
	Other	1		User	4.01
Tempo		108	USB flash drive		0.01
Measure number		1			



\* For details on how to use the other buttons, refer to "Operation Guide" (p. 3)–(p. 7).

### Music Holders



You can use the holders to hold pages in place. When not using the holders, leave them folded down.

### [⏻] Switch

This turns the power on/off (p. 10).

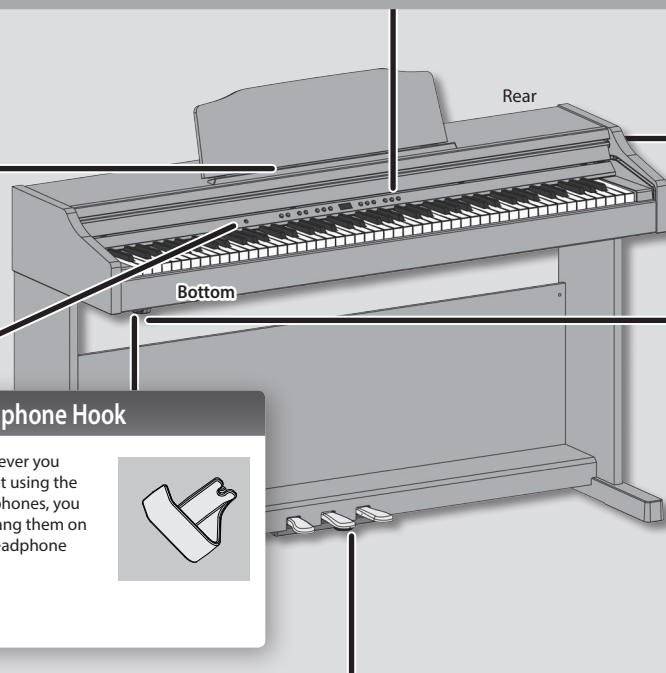
**With the factory settings, the unit's power will automatically be switched off 30 minutes after you stop playing or operating the unit.**

If the unit's power has been turned off automatically, you can use the [⏻] switch to turn the unit back on again. If you don't want the power to turn off automatically, change the "Auto Off" setting to "OFF" as described on "Making the Power Automatically Turn Off After a Time (Auto Off)" (p. 12).

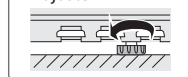


### Headphone Hook

Whenever you are not using the headphones, you can hang them on the headphone hook.



Adjuster



Turn the adjuster to lower it until the adjuster is in firm contact with the floor. In particular, when you've placed the piano on carpet, you must turn the adjuster until it is pressing firmly against the floor.

### Damper pedal

Use this pedal to sustain the sound. While this pedal is held down, notes will be sustained for an extended time even if you release your fingers from the keyboard. The length of the sustain will change subtly depending on how deeply you press the pedal. On an acoustic piano, holding down the damper pedal will cause the strings for notes other than the ones you actually play to vibrate in sympathy with what you've played, producing a rich resonance. This unit simulates this sympathetic vibration (damper resonance).

### Sostenuto pedal

This pedal sustains only the notes of the keys that were already pressed when you pressed the pedal.

### Soft pedal

This pedal is used to make the sound softer. Playing with the soft pedal depressed produces a sound that is not as strong as when otherwise played with the equivalent strength. This is the same function as the left pedal of an acoustic piano. The softness of the tone can be varied subtly by the depth to which you press the pedal.



## Adjusting a Value ([-] [+] Buttons)

Use the [-] [+] buttons to adjust a value.

Changing a value continuously	Hold down the [+] button or [-] button.
Changing a value rapidly	While holding down the [+] button, press the [-] button to rapidly increase the value. While holding down the [-] button, press the [+] button to rapidly decrease the value.
Restoring the default value	Press the [+] button and [-] button simultaneously.

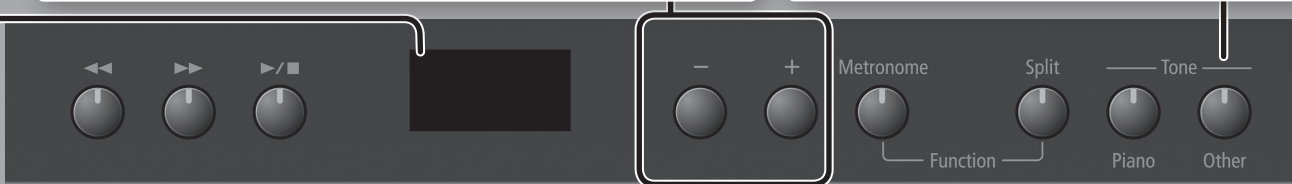
## Disabling the Buttons ( Panel Lock)

When you activate Panel Lock, all buttons other than [Volume] are disabled. This prevents the tones or settings from being changed if you inadvertently press a button.

Press the [Other] button for a longer than usual amount of time.

### Cancelling Panel Lock

Once again, press the [Other] button for a longer than usual amount of time.



## Rear Panel Connections

### Output Jack

If you connect this jack to amplified speakers, the sound of this unit will be heard through them.



### Input Jack

If you use a cord with a stereo mini-plug to connect an audio player or similar device, the sound of the connected device will be heard through this unit. Use the controls of the connected device (audio player) to adjust the volume.



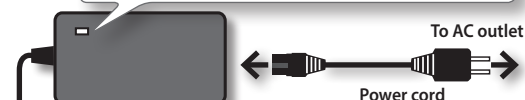
### USB Computer Port

By using a commercially available USB cable to connect the USB Computer port of RP302 to a USB port on your computer, you can produce and edit music using MIDI-compatible software on your computer.



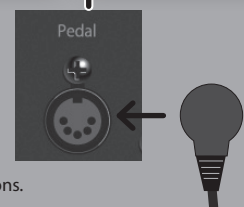
### DC In Jack

Place the AC adaptor so the side with the indicator (see illustration) faces upwards and the side with textual information faces downwards. The indicator will light when you plug the AC adaptor into an AC outlet.



### Pedal Connector

Connect the pedal cord of the dedicated stand here.



\* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

## Bottom Panel (Connecting Headphones or Memory)

### PHONES Jacks

Since this unit has two headphone jacks, two people can also use headphones simultaneously.

A Headphones 3D Ambience effect will be applied, producing the sensation that the sound is emanating from the piano itself even when using headphones (p. 11).



### USB MEMORY Port

You can connect a USB flash drive here (p. 7). Use a commercially available USB flash drive or a USB flash drive sold by Roland. However, we cannot guarantee that all commercially available USB flash drives will work with this unit.



# Before You Play

## Opening/Closing the Lid

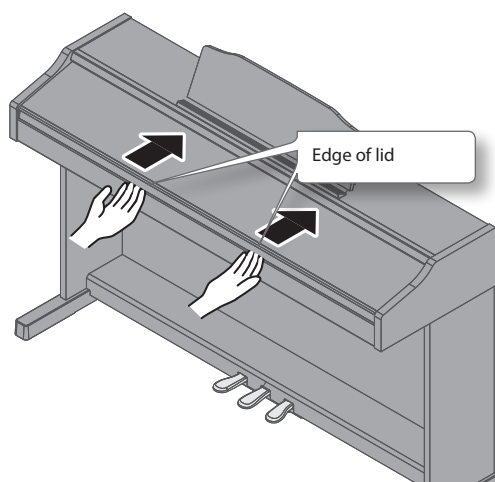
You must use both hands to open or close the lid.

### Opening the Lid

1. Use both hands to lift the edge of the lid, and push it away from yourself.

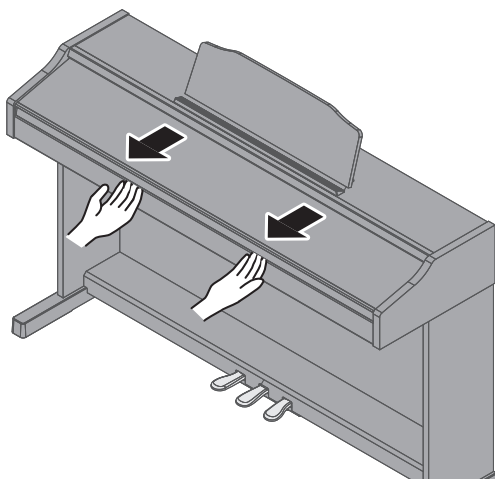
#### NOTE

If you have any objects (papers, metal objects, etc.) placed on top of the keyboard cover, do not open the cover. Otherwise, such objects may slip inside the instrument, and then become irrecoverable.



### Closing the Lid

1. Grasp and gently lower the edge of the lid with both hands.



#### NOTE

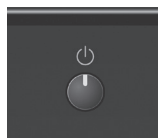
- When opening or closing the lid, please be careful not to get your fingers pinched between the movable part and the panel. In places where small children are present, make sure that an adult provides supervision and guidance.
- If you need to move the piano, make sure the lid is closed first to prevent accidents.
- Do not apply undue force to the music stand while it is in use.
- Do not open the lid while objects (papers or metal items) are resting on the lid. The objects could fall into the piano and become irretrievable.

## Turning the Power On/Off

Once everything is properly connected (p. 9), be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.

### Turning the Power On

1. Turn the  $\text{⏻}$  switch ON.



After a brief interval, you'll be able to produce sounds by playing the keyboard.

2. Use the Volume buttons to adjust the volume.

The volume increases when you press the Volume [+] button, and decreases when you press the Volume [-] button.

This will adjust the volume of the speakers if you're using the speakers of the unit, or the volume of the headphones if headphones are connected. Each volume setting (for speaker or headphone) is saved automatically.

#### MEMO

The unit is designed so that nuances in the dynamics of your playing will be clearly heard even at low volume, and that the sound will remain clear even at high volume.

### Turning the Power Off

1. Turn the  $\text{⏻}$  switch OFF.

## Setting the Reference Pitch

When playing ensemble with other instruments and in other such instances, you can match the standard pitch to another instrument (Master Tuning).



1. In "Various Settings (Function Mode)" (p. 11), choose "F07" and then press the  $\text{▶/■}$  button.
2. Use the [-] [+] buttons to set the reference pitch.

Examples:

Reference pitch	Display
440.0 Hz (default)	40.0
442.0 Hz	42.0

Press the  $\text{▶/■}$  button to return to the previous screen.

3. If you want to save the setting, carry out the Memory Backup procedure (p. 11).
4. Hold down the [Metronome] button and press the [Split] button to exit Function mode.

# Various Settings (Function Mode)

## Basic Operation in Function Mode

1. Hold down the [Metronome] button and press the [Split] button.  
Function mode is selected.
2. Use the [-] [+] buttons to select the function that you want to set, and press the [▶/■] button to display the setting screen.
3. Use the [-] [+] buttons to adjust the setting.  
Press the [▶/■] button to return to the previous screen.
4. Hold down the [Metronome] button and press the [Split] button to exit Function mode.

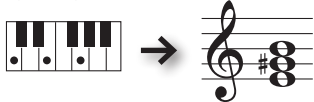
### Memory backup

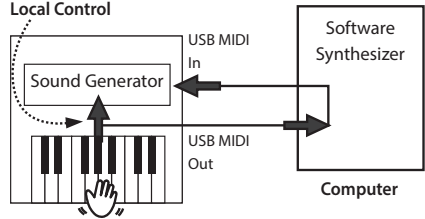
The settings of RP302 will return to their default state when you turn off the power. However, you can save the settings so they will remain unchanged even after the power has been turned off, then on again.

The settings of items marked with the "M" symbol in this operating manual can be saved by using the Memory Backup function.

1. In Function mode, choose "F 14" (Memory Backup) and press the [▶/■] button.

## Function settings

Display	Value	Explanation
F01	F (Fixed), L 2 (Super Light), L 1 (Light), M (Medium), H 1 (Heavy), H 2 (Super Heavy)	<b>Adjusting the Keyboard Sensitivity (Key Touch)</b> <span style="float: right;">M</span> Here's how to change the way in which the sound responds to your keyboard dynamics. You can adjust the response as appropriate for your playing strength.
F02	1 (Pair), 2 (Separate)	<b>Changing the Way in Which the Sound Is Heard (Twin Piano Mode)</b> <span style="float: right;">M</span> This setting specifies how the sound will be heard when Twin Piano is on. <span style="float: right;">page 4</span>
F03	OFF, On	<b>Dividing the Keyboard for Two-Person Performance (Twin Piano)</b> This setting turns Twin Piano on/off. <span style="float: right;">page 4</span>
F04	1 (Keyboard & Song), 2 (Keyboard), 3 (Song)	<b>Specifying What the Transpose Will Affect (Transpose Mode)</b> <span style="float: right;">M</span> This setting specifies what the transpose will affect. You can use the transpose to change the pitch of both the song and the keyboard, only the pitch of the song, or only the pitch of the keyboard.
F05	-6-0-5 [semitone]	<b>Transposing the Keyboard or Song (Transpose)</b> Here you can specify the transposition value. For example, if the song is written in E major but you want to play it using the fingering of the key of C major, you would set Transpose to "4."  If you play <b>C E G</b> → It will sound <b>E G<sup>#</sup> B</b>   * If this is set to "0," the Transpose function will be off.
F06	OFF, On	<b>Applying a Headphones 3D Ambience Effect to the Piano Sound (Headphones 3D Ambience)</b> <span style="float: right;">M</span> You can apply a Headphones 3D Ambience effect which produces the sensation that the sound is emanating from the piano itself even when using headphones. * The Headphones 3D Ambience effect applies only to piano tones; it does not apply to other tones. On → Headphones 3D Ambience is on. Off → Headphones 3D Ambience is off.
F07	15.3 (415.3)– 40.0 (440.0)– 55.2 (466.2) [Hz]	<b>Matching the Pitch with Other Instruments (Master Tuning)</b> <span style="float: right;">M</span> This setting specifies the reference pitch for this piano (the pitch of middle A). <span style="float: right;">page 10</span>

Display	Value	Explanation
<b>F 08</b>	1, 2	<h3>Changing the Tuning Method (Stretch Tuning) <span style="float: right;">M</span></h3> <p>This setting changes the type of stretch tuning, a tuning method that is used specifically for pianos, in which the high notes are tuned slightly sharper and the low notes are tuned slightly flatter. Normally, you should use the "1" setting (standard tuning curve).</p>
<b>F 09</b> <b>F 10</b>	1 (Sostenuto, Soft), 2 (Start/Stop)	<h3>Changing How the Pedals Work</h3> <p>Here you can assign the functions of the center pedal (F 09) and left pedal (F 10).</p> <p>1 → Sostenuto pedal (F 09), soft pedal (F 10) 2 → Same function as the [▶/■] (Start/Stop) button</p>
<b>F 11</b>	OFF, On	<h3>Preventing Doubled Notes When Connected to a Sequencer (Local Control)</h3> <p>If a software synthesizer is connected to USB MIDI, turn this item "OFF."</p> <p>Since most software synthesizers have their Thru function turned on, notes you play on the keyboard may be sounded in duplicate, or get dropped. To prevent this, you can enable the "Local Off" setting so that the keyboard and internal sound generator will be disconnected.</p> <p>If you choose "OFF," the keyboard is disconnected from the internal sound generator, and playing the keyboard will not produce sound.</p> 
<b>F 12</b>	U.D 1-U. 10 (USER 01-10) n.D 1-n.99 (USB 01-99)	<h3>Copying a Song (Copy Song)</h3> <p>A song that you recorded on this unit can be copied to a USB flash drive.</p> <p>The copy-source song number is displayed; use the [-] [+] buttons to select the desired number, and press the [▶/■] button to confirm it.</p> <p>The copy-destination song number is displayed; use the [-] [+] buttons to select the desired number, and press the [▶/■] button to confirm it.</p>
<b>F 13</b>	OFF, 10, 30, 240 [min.]	<h3>Making the Power Automatically Turn Off After a Time (Auto Off)</h3> <p>This specifies the auto-off setting.</p> <p>The remaining time blinks before the power turns off. When there is less than one minute remaining, the countdown will be in seconds.</p> <p><b>* This setting is saved automatically when you change it.</b></p>
<b>F 14</b>	None	<h3>Saving the Settings (Memory Backup)</h3> <p>The settings of RP302 will return to their default state when you turn off the power. However, you can save the settings so they will remain unchanged even after the power has been turned off, then on again.</p> <p>The display indicates "S_u_r"; press the [▶▶] (cancel) button or the [▶/■] (execute) button to cancel or execute.</p>

# Restoring the Factory Settings (Factory Reset)

The settings you've changed in Function mode can be restored to their factory-set condition. This operation is called "Factory Reset."

## NOTE

The "Factory Reset" operation will erase all settings stored by the Memory Backup function, as well as all songs you've recorded in internal memory.

### 1. While holding down the [Metronome] button and the [Split] button, turn on the power.

Keep holding down the buttons until it indicates as "5UR" on the display.

To cancel, press the [▶▶] button.

### 2. To execute the Factory Reset, press the [▶/■] button.

When the Factory Reset has been completed, the display will indicate "End."

\* Never turn off the power before the display indicates "End."

### 3. Press the [⏻] switch to turn the power off, then on again.

# Specifying the Maximum Volume (Volume Limit)

You can specify the maximum Volume setting. This will prevent undesirably high volumes even if the volume buttons are operated unintentionally.



### 1. Hold down the Volume [-] button and the Volume [+] button, and press the [-] [+] buttons to adjust the value.

Value	20, 40, 60, 80, 100
-------	---------------------

## MEMO

This setting is saved automatically when you change it.

# Troubleshooting

Problem	Cause/Action
Even though you're using headphones and the sound is muted, a thumping sound is heard when you play the keyboard	This unit uses a hammer action keyboard in order to simulate an acoustic piano's playing touch as realistically as possible. For this reason, you'll hear the hammers thump when you play the keyboard, just as you would when playing an acoustic piano. Since this unit allows you to adjust its volume, you might notice the sound of the hammers in certain situations, but this does not indicate a malfunction. If vibration transmitted to the floor or walls is a concern, you may be able to minimize the vibration by moving the piano away from the wall, or by laying down a commercially available anti-vibration mat designed for use with pianos.
Power turns off on its own	When 30 minutes have elapsed since you last played or operated this unit, the power will turn off automatically. (This is the factory setting.) If you don't need the power to turn off automatically, turn the "Auto Off" setting off (p. 12).
Power does not turn on	Is the AC adaptor connected correctly? (p. 9)
Pedal does not work, or is "stuck"	Is the pedal connected correctly? Plug the cord firmly into the pedal connector (p. 9).
	If you disconnect the pedal cord from the unit while the power is on, the pedal effect may remain "stuck" in the On condition. You must power-off the unit before connecting or disconnecting the pedal cord.
	Could Twin Piano be turned on? If Twin Piano is on, the right pedal will affect only the right-hand keyboard zone and the left pedal will affect only the left-hand keyboard zone (p. 4).
	Could you have changed the function of the pedal (F $\square$ 9, F $\square$ 10)? (p. 12)
Insufficient volume	Could the volume limit setting have lowered the maximum volume? The volume can't be louder than the specified volume limit. Change the volume limit setting (p. 13).
The volume level of the instrument connected to Input jack is too low	Could you be using a connection cable that contains a resistor? Use a connection cable that does not contain a resistor.
No sound/No sound when you play back a song	Could the unit's volume or the volume of the connected equipment be turned down?
	Could headphones be connected? Could there be a plug inserted in a headphone jack? The speakers will not produce sound if headphones or plug are connected to the headphone jacks (p. 9).
	Has Local Control been set to "Off"? When Local Control is set to Off, no sound is produced on the keyboard. Set Local Control to On (p. 12).
Not all the notes you play are sounded	The maximum simultaneous polyphony is 128 voices. If you're using the Dual tone (p. 3), if you're playing along with a song, or if you're making extensive use of the damper pedal, the performance data may exceed the available polyphony, possibly causing some of the notes you play to drop out.
Pitch of the keyboard or song is incorrect	Could you have made Transpose settings? (p. 11)
	Is the Master Tune setting appropriate? (p. 10)
	The notes of a piano are tuned using a unique method (stretched tuning), which makes upper-range notes slightly higher in pitch, and lower-range notes slightly lower in pitch. For this reason, you might perceive the pitch as being incorrect, but this is the way an acoustic piano should sound.
Sounds are heard twice (doubled) when the keyboard is played	Could you have selected a dual tone? (p. 3)
	When this unit is connected to an external sequencer, set the Local Control to off. Alternatively, the sequencer could be set so its Soft Thru feature is Off (p. 12).
Reverberation remains even though you've turned off the Ambience effect	The piano sounds of RP302 faithfully simulate the sense of depth and resonance of an acoustic piano. For this reason, it may seem as though there is some reverberation even when the Ambience effect is turned off.

Problem	Cause/Action
The sound of the higher notes suddenly changes from a certain key	On an acoustic piano, the approximately one and a half octaves of notes at the upper end of the keyboard will continue sounding regardless of the damper pedal. These notes also have a somewhat different tonal character. This unit faithfully simulate this characteristic of acoustic pianos. On this unit, the range that is unaffected by the damper pedal will change according to the transpose setting.
High-pitched ringing is heard	<b>If you hear this in headphones:</b> Piano sounds that have a brilliant and crisp character contain substantial high-frequency components that may sound as though a metallic ringing has been added. This is because the characteristics of an actual piano are being faithfully reproduced, and is not a malfunction. This ringing is more obtrusive if the ambience effect is applied heavily, so you may be able to minimize it by decreasing the ambience.
	<b>If you don't hear this in headphones:</b> It is likely that there is some other reason (such as resonances within the unit). Please contact your dealer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."
Sound wrong, or are buzzy	If you set the volume to the maximum setting, the sound may be distorted depending on how you perform. If this occurs, turn down the volume.
	<b>If you don't hear this in headphones:</b> Performing at high volumes may cause the speakers or objects near the unit to resonate. Fluorescent lights or glass doors may also resonate sympathetically. In particular, this is more likely to occur for lower notes and higher volumes. You can take the following measures to minimize resonances. <ul style="list-style-type: none"> <li>• Locate this unit 10–15 cm (4–6 inch) away from walls or other surfaces.</li> <li>• Keep the volume down.</li> <li>• Move away from the objects that are resonating.</li> </ul>
	<b>If you hear this in headphones:</b> It is likely that there is some other reason. Please contact your dealer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."

# Message List

Indication	Meaning
<b>E.01</b>	The music file you attempted to save is read-only. It cannot be saved.
<b>E.02</b>	An error occurred while writing. It may be that the protect tab of the external media is in the "Protect (write prohibit)" position, or that the external media has not been formatted.
<b>E.10</b>	No USB flash drive connected. Connect a USB flash drive and try the operation again.
<b>E.11</b>	There is insufficient free space at the save destination. Either connect a different USB flash drive, or delete unwanted data (song data) and try the operation again.
<b>E.14</b>	An error occurred while reading. The USB flash drive may be damaged. Connect a different USB flash drive and try the operation again. You may also format the USB flash drive (p. 7).
<b>E.15</b>	The file could not be read. The data format is not compatible with the unit.
<b>E.16</b>	The data could not be read fast enough during song playback. After waiting several seconds, you may be able to play back the song by pressing the [▶/■] button once again.
<b>E.18</b>	This audio format is not supported. Please use WAV format, 44.1 kHz, 16-bit linear audio files.
<b>E.30</b>	The unit's internal memory is full.
<b>E.40</b>	The unit cannot deal with the excessive MIDI data sent from the external USB MIDI. Reduce the amount of MIDI data sent to the unit.
<b>E.51</b>	There may be a problem with the system. Repeat the procedure from the beginning. If it is not solved after you have tried a number of times, contact the Roland service center.
<b>E.65</b>	The USB flash drive connector was subjected to excessive current. Make sure that there is no problem with the external media, then turn the power off, then on again.
<b>- - -</b>	The Panel Lock function is on (p. 9).
<b>PU</b>	When playing back a song, this is shown if the song starts with a pickup.
<b>Blinking number</b>	When the Auto Off function is activated, the remaining time blinks before the power turns off.

# Tone List

## [Piano] button

No.	Name
1	Concert Piano
2	Ballade Piano
3	Bright Piano

No.	Name
4	Magical Piano
5	Piano + Strings
6	Piano + Pad

No.	Name
7	Piano + Choir
8	Rock Piano
9	Ragtime Piano

No.	Name
10	Harpsichord
11	Coupled Harpsichord

## [Other] button

No.	Name
1	Trem. TineEP
2	Pop E.Piano
3	Tine EP
4	FM E.Piano
5	Bright FM EP
6	Vib. ReedEP
7	Clav.
8	PhaserTineEP
9	Vibraphone
10	Marimba
11	Celesta

No.	Name
12	Mallet Isle
13	Morning Lite
14	SymphonicStr
15	Rich Strings
16	OrchestraStr
17	DecayStrings
18	Harp
19	PizzicatoStr
20	ChurchOrgan1
21	ChurchOrgan2
22	Combo Jz.Org

No.	Name
23	Ballad Organ
24	Full Stops
25	Mellow Bars
26	Accordion
27	Aerial Choir
28	Jazz Scat
29	Female Aahs
30	Male Aahs
31	Decay Choir
32	Thum Voice
33	Soft Pad

No.	Name
34	Dcy ChoirPad
35	Nylon-str.Gt
36	Steel-str.Gt
37	Jazz Guitar
38	AcousticBass
39	A.Bass+CymbI
40	FingeredBass
41	GM2 tones
305	



# Internal Song List

No.	Song Name	Composer
2.01	Valse, op.34-1	Fryderyk Franciszek Chopin
2.02	Polonaise op.53	Fryderyk Franciszek Chopin
2.03	Nocturne No.20	Fryderyk Franciszek Chopin
2.04	Die Forelle	Franz Peter Schubert, Arranged by Franz Liszt
2.05	Reflets dans l'Eau	Claude Achille Debussy
2.06	La Fille aux Cheveux de Lin	Claude Achille Debussy
2.07	La Campanella	Franz Liszt
2.08	Scherzo No.2	Fryderyk Franciszek Chopin
2.09	Étude, op.10-12	Fryderyk Franciszek Chopin
2.10	Sonate Nr.16 C Dur	Wolfgang Amadeus Mozart
2.11	Liebesträume Nr.3	Franz Liszt
2.12	Étude, op.10-3	Fryderyk Franciszek Chopin
2.13	Je te veux	Erik Satie
2.14	Valse, op.64-1	Fryderyk Franciszek Chopin
2.15	Golliwog's Cakewalk	Claude Achille Debussy
2.16	Fantaisie-Impromptu	Fryderyk Franciszek Chopin
2.17	1ère Arabesque	Claude Achille Debussy
2.18	An der schönen, blauen Donau	Johann Strauss, Sohn
2.19	Auf Flügeln des Gesanges	Felix Mendelssohn
2.20	Mazurka No.5	Fryderyk Franciszek Chopin
2.21	1ère Gymnopédie	Erik Satie
2.22	Étude, op.25-1	Fryderyk Franciszek Chopin
2.23	Clair de Lune	Claude Achille Debussy
2.24	Étude, op.10-5	Fryderyk Franciszek Chopin
2.25	Dr. Gradus ad Parnassum	Claude Achille Debussy
2.26	Grande Valse Brillante	Fryderyk Franciszek Chopin
2.27	La prière d'une Vierge	Tekla Badarzewska
2.28	Course en Troïka	Peter Ilyich Tchaikovsky
2.29	To The Spring	Edvard Hagerup Grieg
2.30	Valse, op.64-2	Fryderyk Franciszek Chopin
2.31	Radetzky Marsch	Johann Baptist Strauss
2.32	Träumerei	Robert Alexander Schumann
2.33	Moments Musicaux op.94-3	Franz Peter Schubert
2.34	Prélude, op.28-15	Fryderyk Franciszek Chopin
2.35	The Harmonious Blacksmith	Georg Friedrich Händel
2.36	Ungarische Tänze Nr.5	Johannes Brahms
2.37	Türkischer Marsch	Ludwig van Beethoven
2.38	Nocturne, op.9-2	Fryderyk Franciszek Chopin
2.39	Frühlingslied	Felix Mendelssohn
2.40	Präludium C Dur BWV846	Johann Sebastian Bach
2.41	Jägerlied	Felix Mendelssohn
2.42	Passepied	Claude Achille Debussy
2.43	Für Elise	Ludwig van Beethoven
2.44	Türkischer Marsch	Wolfgang Amadeus Mozart
2.45	Ständchen	Franz Peter Schubert
2.46	Humoreske	Antonín Dvořák
2.47	Blumenlied	Gustav Lange
2.48	Alpenglöckchen	Theodor Oesten
2.49	Menuett G dur	Ludwig van Beethoven
2.50	Venezianisches Gondellied	Felix Mendelssohn
2.51	Alpenabendröte	Theodor Oesten
2.52	Farewell to the Piano	Ludwig van Beethoven
2.53	Brautchor	Wilhelm Richard Wagner
2.54	Forget-Me-Not	Heinrich Lichner
2.55	Wiener Marsch	Carl Czerny
2.56	Le Coucou	Louis Claude Daquin
2.57	Menuett G Dur BWV Anh.114	Johann Sebastian Bach
2.58	Spinnerlied	Albert Ellmenreich
2.59	Gavotte	François Joseph Gossec
2.60	Heidenröslein	Gustav Lange

No.	Song Name	Composer
2.61	Zigeuner Tanz	Heinrich Lichner
2.62	La Cinquanteine	Gabriel Marie
2.63	Csikos Post	Hermann Necke
2.64	Dolly's Dreaming Awakening	Theodor Oesten
2.65	La Violette	Louis Streabbog
2.66	Fröhlicher Landmann	Robert Alexander Schumann
2.67	Sonatine op.36-1	Muzio Clementi
2.68	Sonatine op.20-1	Friedrich Kuhlau
2.69	Sonatine No.5	Ludwig van Beethoven
2.70	Twinkle Twinkle Little Star	French Folk Song
2.71	Mary Had a Little Lamb	Traditional
2.72	Bear Song	American Folk Song
2.73	Ich Bin Ein Musikante	German Folk Song
2.74	Grand Father's Clock	Henry Work
2.75	Maple Leaf Rag	Scott Joplin
2.76	Le Quattro Stagioni "La Primavera"	Antonio Vivaldi
2.77	Marche Militaire Nr.1	Franz Peter Schubert
6.01	Czerny 100-1-99	Carl Czerny
:		
6.99		
6.-0	Czerny 100-100	Carl Czerny
2.01	Hanon 1-20	Charles Hanon
:		
2.20		
4.01	Major Scales, Minor Scales (Harmonic, Melodic)	—
:		
4.36		

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\* Musical scores are not included with this unit. You can purchase musical scores from their respective publishers.

# USING THE UNIT SAFELY

## WARNING

### Concerning the Auto Off function

The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated (Auto Off function). If you do not want the power to be turned off automatically, disengage the Auto Off function (p. 12).



### Use only the supplied AC adaptor and the correct voltage

Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.



### Use only the supplied power cord

Use only the attached power cord. Also, the supplied power cord must not be used with any other device.



## CAUTION

### Cautions when moving 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 screws 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 (p. 8).
- Close the lid.
- Remove the music stand.

### Take care so as not to get fingers pinched

When handling the following moving parts, take care so as not to get fingers, toes, etc., pinched. Whenever a child uses the unit, an adult should be on hand to provide supervision and guidance.



- Lid cover (p. 10)
- Pedals (p. 8)

## CAUTION

### Precautions concerning use of bench

When using the bench, please observe the following points:



- Do not use the bench as a toy, or as a stepping stool.
- Do not allow two or more persons to sit on the bench.
- Do not adjust the height while sitting on the bench.
- Do not sit on the bench if the bolts holding the bench legs are loose. (If the bolts are loose, immediately re-tighten them using the supplied tool.)
- Never insert your hand into the gap (the metal height adjustment mechanism) under the seat lid. Doing so may cause your hand to be pinched or injured.

### Keep small items out of the reach of children

To prevent accidental ingestion of the parts listed below, always keep them out of the reach of small children.



- Included Parts/Removable Parts  
Screws

## CAUTION

### Take care not to get burned

The rear panel may become hot, so take care to avoid burns.



# IMPORTANT NOTES

## Placement

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

## 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.

## Care of the Keyboard

- Do not write on the keyboard with any pen or other implement, and do not stamp or place any marking on the instrument. Ink will seep into the surface lines and become unremovable.
- Do not affix stickers on the keyboard. You may be unable to remove stickers that use strong adhesives, and the adhesive may cause discoloration.
- To remove stubborn dirt, use a commercially available keyboard cleaner that does not contain abrasives. Start by wiping lightly. If the dirt does not come off, wipe using gradually increasing amounts of pressure while taking care not to scratch the keys.

## Repairs and Data

- Before sending the unit away for repairs, be sure to make a backup of the data stored within it; or you may prefer to write down the needed information. Although we will do our utmost to preserve the data stored in your unit when we carry out repairs, in some cases, such as when the memory section is physically damaged, restoration of the stored content may be impossible. Roland assumes no liability concerning the restoration of any stored content that has been lost.

## Additional Precautions

- Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc. To protect yourself against the irretrievable loss of data, try to make a habit of creating regular backups of the data you've stored in the unit.
- Roland assumes no liability concerning the restoration of any stored content that has been lost.
- The sound of keys being struck and vibrations produced by playing an instrument can be transmitted through a floor or wall to an unexpected extent. Please take care not to cause annoyance to others nearby.
- Do not apply undue force to the music stand while it is in use.
- Do not use connection cables that contain a built-in resistor.

## Using External Memories

- Please observe the following precautions when handling external memory devices. Also, make sure to carefully observe all the precautions that were supplied with the external memory device.
  - Do not remove the device while reading/writing is in progress.
  - To prevent damage from static electricity, discharge all static electricity from your person before handling the device.

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## **DECLARATION OF CONFORMITY Compliance Information Statement**

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