Play the Piano

Play various sounds

This piano contains a wide variety of tones (sounds). You can freely select and perform using these tones. For a list of the sounds, refer to “Tone List” (p. 26).

Play two layered tones (Dual Play)

You can layer two tones on a single key.

Play different tones with your left and right hands (Split Play)

You can divide the keyboard into left and right zones, and select a different tone for each zone.

Live Performance Features

Adjust the tone color (Equalizer)

You can adjust the character of the sound as appropriate for the location where you’re playing the instrument.

Recall performance settings (Registration)

You can save the settings related to your performance and recall them up anytime, easily.

Convenient Functions

Record your performances

You can record your performance.

Bluetooth function

You can use the Bluetooth-compatible app “Piano Partner 2,” or play back audio from your smartphone.

Personalize your piano (Piano Designer)

You can customize the sound to your own taste by adjusting the sonic elements of the grand piano sound.

Provision of Bluetooth functionality

Please be aware that depending on the country in which you purchased the piano, Bluetooth functionality might not be included.

If Bluetooth functionality is included

The Bluetooth logo appears when you turn on the power.

Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (leaflet "USING THE UNIT SAFELY" and Owner’s Manual (p. 28)). After reading, keep the document(s) including those sections where it will be available for immediate reference.

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Read This First

Basic Operations

On this piano, you can use the buttons of the operating panel to make various function settings. The “<” “>” “-” “+” “Enter (Func)” “Exit” indications shown in the screen indicate the buttons used to operate the various functions.

Upper line: shows the category to specify
(you can use the [<] [>] buttons to change this)

Lower line: shows the value within the category
(you can use the [-] [+ ] buttons to change this)

Screen display

Selecting the category to set
Use the [<] [>] buttons to select the category that you want to set.

Selecting values within a category
Use the [-] [+ ] buttons to change a value within the category.

“Enter” and “Exit”
Use the [Function] (Enter) button to confirm the selected category or value.
Use the [Exit] button to go back to the previous operation.

Placing the FP-60 on a Stand

Please use one of the following Roland stands to support your FP-60: KSC-72, KS-G8B, or KS-12 (sold separately).
Refer to the following when using a stand.
* Be careful not to pinch your fingers when setting up the stand.

KSC-72 (Dedicated stand for FP-60)
Refer to KSC-72 Owner’s Manual.

KS-G8B
Position the piano so that the pad at the rear of the stand is immediately in front of the row of screws on the bottom of the piano.

KS-12
* For safety, do not use the stand in its very highest adjustment position.

The pedal board (KPD-90) is sold separately.
Main Specifications

**Roland FP-60: Digital Piano**

- **Sound generator**: Piano Sound: SuperNATURAL Piano
- **Keyboard**: 88 keys (PHA-4 Standard Keyboard: with Escapement and Ivory Feel)
- **Bluetooth function**: Audio: Bluetooth Ver 3.0 (Supports SCMS-T content protection)
- **Power supply**: AC adapter
- **Power consumption**: 1W (4W–22W)
- **Dimensions**: 1,291 (W) x 382 (D) x 84 (H) mm, 50-7/8 (W) x 15-3/16 (D) x 3-1/4 (H) inches
- **Weight**: 19.0 kg, 41 lbs 15 oz (FP-60 with music rest)
- **Accessories**: Owner's Manual, Leaflet "USING THE UNIT SAFELY", AC adapter, Power cord, Music rest, Damper pedal (DP-10, capable of continuous detection)

**Options** (sold separately)
- Dedicated stand: KSC-72
- Dedicated pedal board: KPD-90
- Keyboard stand: KS-G88, KS-12
- Pedal unit: RPU-3
- Damper pedal: DP series
- Pedal switch: DP-2
- Expression pedal: EV-5
- USB Flash Memory (*1)

---

*1: 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.
Panel Descriptions

**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.

- A change in feel as you press the pedal, initially light but becoming heavier as you continue pressing (KPD-90 only)
- Richness and spaciousness added by other strings sympathetically resonating with the sound of the notes you play
- The distinctive decay added by “half-pedaling,” in which the core of the sound ends quickly while leaving only a rich spaciousness and resonance

**Sostenuto Pedal**
The notes you are pressing when this pedal is depressed will be sustained.

**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 a grand piano. The softness of the tone can be varied subtly by the depth to which you press the pedal.

* When operating the pedal, take care not to pinch your fingers between the moving part and the body of the unit. Pay special attention to this when using the unit where children are present.

---

**Pedals (KPD-90 / RPU-3: sold separately)**

---

**Headphone Jacks**
Connect headphones (separately sold) here.

---

**Attaching the Music Rest**
1. Insert the music rest into the slit on the top of the piano.

---

**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).

- Any settings that you are in the process of editing will be lost when the power is turned off. If you have any settings that you want to keep, you should save them beforehand (p. 27).
- To restore power, turn the power on again.

---

**Turning the FP-60 On**
1. Move the [Volume] slider all the way down to minimize the volume.

![Minimize the volume](image)

2. Hold down the [ ] button until the display shows “Roland Digital Piano.”
   The power turns on, and the tone buttons and other buttons illuminate.

3. Move the [Volume] slider to adjust the volume.

---

**Turning Off the Power**
1. Move the [Volume] slider all the way down to minimize the volume.

2. Hold down the [ ] button until the display shows “Don’t disconnect the power.”
   The piano is turned off.

   * Never disconnect the power cord while the screen indicates “Don’t disconnect the power.”

---

**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).

- Any settings that you are in the process of editing will be lost when the power is turned off. If you have any settings that you want to keep, you should save them beforehand (p. 27).
- To restore power, turn the power on again.

---

**Pedals (KPD-90 / RPU-3: sold separately)**

---

**Front Panel**
This is where you operate the piano by selecting the items shown in the display.
**Connect pedals and USB flash drive.**

1. **USB Computer port**
   - You can use commercially available USB cable to connect the FP-60 to your computer. You can then use MIDI-related software to record and play back FP-60 performances.

2. **USB Memory port**
   - You can use USB flash drives to do the following.
     - Play WAV files, MP3 files, and standard MIDI files (SMF files) copied from your computer.
     - Make audio recordings of your FP-60.
     - Export/Import a registration set.
     - Never turn off the power or disconnect a USB flash drive or the power cord while the USB memory access indicator is blinking.
     - 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.

3. **DC IN jack**
   - Connect the included AC adaptor here.

4. **Pedal Damper / Sostenuto / Soft jacks**
   - Connect pedals to these jacks.
     - Do not connect any pedal other than the specified pedal to the Pedal Damper jack.
     - The EV-5 is compatible only with the Pedal Sostenuto / Soft jack.

5. **Speaker [Off / On] switch**
   - Turns the FP-60's speakers on or off.

6. **Input Stereo jack**
   - Connect an audio player here.
     - If you use a cable that contains a built-in resistor, the volume of the device connected to the Input Stereo jack might be decreased. Use a connection cable that does not contain a resistor.

7. **Output R, L/Mono jacks**
   - You can output the sound of FP-60 to amplified speakers.

---

* To prevent the inadvertent disruption of power to your unit (should the plug be pulled out accidentally), and to avoid applying undue stress to the jack, anchor the power cord using the cord hook, as shown in the illustration.

* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.
In addition to piano sounds, the piano lets you enjoy performing with many other sounds. These sounds are called "Tones." There are six groups of tones; each tone button selects a group.

To select a tone
1. Press a tone button (e.g., [Piano]) and then use the [-] [+ ] buttons.

Viewing the display
- Tone name
- Song transposition
- Tempo
- Measure
- Keyboard transposition

Tone groups
- [Piano] button: Allows you to select various historical instruments, including grand pianos, or harpsichords.
- [E. Piano] button: Allows you to select various electric piano sounds used in pop or rock.
- [Strings] button: Allows you to select the sounds of string instruments such as violins, as well as other instruments used in orchestras, which are appropriate when used for “Dual Play” with a piano sound.
- [Organ] button: Allows you to select organ tones. If you’ve selected a tone to which the rotary effect is applied, pressing the [Organ] button will switch the speed of the rotary effect.
- [Pad] button: Allows you to select synth pad tones.
- [Other] button: Allows you to select vocal, brass, and GM2 tones.

MEMO
When playing a tone that uses tremolo or has a vibrating quality, you can adjust the speed of the modulation by holding down the current tone button and pressing the Tempo [Slow] [Fast] buttons.

Auditioning the tones (Tone Demo)
2. Press one of the tone buttons.
   The tone used for the demo song depends on which tone button you press.

Changing the Keyboard Volume Balance (Part Volume)
When using “Split Play” or “Dual Play,” you can adjust the keyboard’s volume balance.

<table>
<thead>
<tr>
<th>Lower] slider</th>
<th>Upper] slider</th>
</tr>
</thead>
<tbody>
<tr>
<td>When using Normal (Single) Play</td>
<td>Not used</td>
</tr>
<tr>
<td>When using Split Play</td>
<td>Adjusts the volume of the region below the Split Point.</td>
</tr>
<tr>
<td>When using Dual Play</td>
<td>Adjusts the volume of tone 2.</td>
</tr>
</tbody>
</table>

Adjusting the Overall Volume (Volume)
You can adjust the speaker volume when using the internal speakers, or the headphone volume when headphones are connected.

Adjusting the Ambience (Ambience)
The reverberation that is characteristic of a performance in a concert hall can be added to the sound.
1. Press the [Ambience] button.
2. Press the [-] [+ ] buttons.
   This lets you adjust the acoustical character (ambience) of the sound. Higher values produce deeper ambience; lower values produce shallower ambience.

MEMO
If you press the cursor [►] (right) button, a screen appears in which you can adjust the acoustical character of the sound that’s heard through headphones (Headphones 3D Ambience).

Transposing Your Performance (Transpose)
The keyboard or song can be transposed in semitone steps.
For example, if a song is in the key of E major but you want to play it using the fingering of the C major scale, you would set the keyboard transpose setting to “4.”

Kbd Transpose
-6 – 0 – 5 (default value: 0)

MEMO
If you change the keyboard transpose setting by holding down the [Transpose] button and pressing the note that will be the tonic (root note) of the transposed key.

Song Transpose
-12 – 0 – +12 (default value: 0)
Playing Different Tones with the Right and Left Hands (Split)

You can play different tones in the areas at the left and right of a specified key. For example, you can use your left hand to play a bass tone and use your right hand to play a piano tone. This feature is called “Split Play,” and the point at which the keyboard is divided is called the “Split Point.”

### Turning Split Play on
Press the [Split/Dual] button several times to access the Split screen.

### Changing the right-hand tone and left-hand tone
1. Use the [–][+] buttons to select “right-hand tone” or “left-hand tone.”
2. Press a tone button.
3. Use the [-][+] buttons.

### Split Point
Changes the split point.

**MEMO**
You can also specify the split point by holding down the [Split/Dual] button and pressing the key where you want to split the keyboard.

F1–F6 (default value: F#3)

### Right Shift, Left Shift
Changes the pitch of the right-hand or left-hand tone in units of one octave.

-3–0–+3 (default value: 0)

* Depending on the combination of tones, the effect might not apply to the left-hand tone, causing the sound to appear differently than usual.
* If you select a sound from the [Piano] button as a left-hand tone, it might sound different than usual.

Layering two tones (Dual)

You can play two tones simultaneously from a single key. This function is called “Dual Play.”

### Turning Dual Play on
Press the [Split/Dual] button several times to access the Dual screen.

**MEMO**
You can also use Dual Play by pressing two tone buttons simultaneously (only when the setting is Single).

### Changing tone 1 and tone 2
1. Use the [–][+] buttons to select “tone 1” or “tone 2.”
2. Press a tone button.
3. Use the [-][+] buttons.

### Tone 1 Shift, Tone 2 Shift
Changes the pitch of tone 1 or tone 2 in units of one octave.

-3–0–+3 (default value: 0)

* Depending on the combination of tones, the effect might not apply to tone 2, causing the sound to appear differently than usual.
* If you select a sound from the [Piano] button as tone 2, it might sound different than usual.

Recalling Performance Settings (Registration)

You can use the registration feature to save the current performance settings into a “registration” that you can recall whenever you wish.

**Recalling a registration**
1. Press the [Registration] button.
2. Press one of the number buttons, from [1] to [6], to select the registration.
3. Press the [-][+] buttons to select the registration variation.

**Saving current settings into a registration**
1. Set the desired performance settings.
2. While holding down the [Registration] button, press a button from [1] to [6] to select a registration and then press the [-][+] buttons to select a registration variation.
3. Use the [-][+] buttons and the [–][+] buttons to give a name to the registration.
4. Press the [Function] button.

**Reference**
For details on the settings that can be stored, refer to “Saved Settings” (p. 27).

---

Reading the note name (e.g., C4)
The alphabetical indication for settings such as Split Point shows the name of the note. For example, the indication “C4” means “the fourth C from the left edge of the keyboard.”
Various Settings (Function Mode)
You can make detailed settings for the unit.
1. Press the [Function] button.
2. Use the [◄] [►] buttons to select the item that you want to adjust.
3. Use the [-] [+] buttons to adjust the value.

Display
The display shows information such as the tone name, song name, tempo, and time signature.
The “◄” “►”, and “-” “+” indications shown in the screen indicate the buttons used to operate the various functions.

Sounding the Metronome
You can sound a metronome while you perform. You can also change the tempo and time signature of the metronome.
* If a song is playing, the metronome sounds at the tempo and time signature of that song.

MEMO
Use the [◄] [►] buttons to select the item that you want to set. Use the [-] [+] buttons to change the value of an item.

<table>
<thead>
<tr>
<th>Sounding the Metronome</th>
<th>Change the tempo</th>
<th>Beat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn the [Metronome] button on.</td>
<td>Press the Tempo [Slow] [Fast] buttons.</td>
<td>Changes the time signature of the metronome.</td>
</tr>
<tr>
<td>10–500</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MEMO
You can also change the time signature by holding down the [Metronome] button and use the Tempo [Slow] [Fast] buttons.

Metronome Down Beat
Sounds a down beat.
Off, On (default value: On)

Metronome Pattern
Changes the pattern of the metronome.
Off, Eighth note, Eighth-note triplet, Shuffle, Sixteenth note, Quarter-note triplet, Quarter note, Dotted eighth (default value: Off)

Metronome Volume
Changes the volume of the metronome.
Off, 1–10 (default value: 5)

Metronome Tone
Changes the tone of the metronome.
Click, Electronic, Voice (Japanese), Voice (English) (default value: Click)
Selecting a Song

Select a song to play back.

1. Press the [SONG] button to access the Song screen.

Category list

<table>
<thead>
<tr>
<th>Category</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB Memory</td>
<td>Songs saved on a USB flash drive</td>
</tr>
<tr>
<td>Internal Memory</td>
<td>Songs saved in internal memory</td>
</tr>
</tbody>
</table>

**Category**

<table>
<thead>
<tr>
<th>List</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB Memory</td>
<td>Songs saved on a USB flash drive</td>
</tr>
<tr>
<td>Internal Memory</td>
<td>Songs saved in internal memory</td>
</tr>
<tr>
<td>Preset Song</td>
<td></td>
</tr>
</tbody>
</table>

**Song Title** | **Composer**
--- | ---
Singing Winds | (Original)
Melancolie | (Original)
The Nutcracker "Waltz of the Flowers" (Jazz Arrangement) | Peter Ilyich Tchaikovsky (Original Arrangement)
Floral Pursuits | Leo Delibes (Original Arrangement)
Swan-derful Samba | Peter Ilyich Tchaikovsky (Original Arrangement)
Windy Afternoon | (Original)
The Marriage of Figaro: "Overture" | Wolfgang Amadeus Mozart
Widmung S. 566 R. 253 | Robert Alexander Schumann (Arranged by Franz Liszt)
Etude, Op. 10-12 | Fryderyk Franciszek Chopin

MEMO

* All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.
* If SMF play mode (p. 23) is set to “Auto-Select” or “Internal,” there are some parts whose volume is not changed by the [Song Vol] slider. If the SMF Play Mode is set to “External,” the volume of all parts will change.
* Songs marked by an asterisk (*) are arranged by Roland Corporation. The copyrights to these songs are owned by the Roland Corporation.

Playing Back or Recording

Here’s how to play back or record a song.

**Return to the beginning of the song**

Press the [●] button.

**Play / stop**

Press the [■] button.

**Enter record-standby mode**

While stopped, press the [●] button.

**Record**

In record-standby mode, press the [■] button.

**Play all songs in the selected category (All Song Play)**

Hold down the [Song] button and press the [■] button.

**Change the song tempo**

Press the Tempo [Slow] [Fast] buttons.

**Play back the song at a constant tempo (Tempo Mute)**

Hold down the [■] button and press the Tempo [Slow] or [Fast] button.

To clear the tempo mute function, hold down the [■] button once again and press the Tempo [Slow] or [Fast] button.

**Sound a count-in (**1**)**

Hold down the [Metronome] button and press the [■] button.

MEMO

* A series of sounds rhythmically played to indicate the tempo before a song starts is called a “count-in.” If you sound a count-in, it will be easier for you to synchronize your own performance to the tempo of the playback.

To make a recording

1. Select the tone that you want to play.
2. Press the [●] button.
3. Press the [■] button to start recording.
4. Press the [■] button to stop recording.

Adjusting the Volume of the Song (Song Vol)

1. Use the [Song Vol] slider to adjust the volume of the song.

* Some of the tones used in the tone demos are set so that they are adjusted by the Part [Upper] [Lower] sliders. If you want to use the [Song Vol] slider to adjust all of the parts, change the “SMF Play Mode” (p. 23) setting to “External.”

MEMO

* By using [Part] slider, you can adjust the volume balance as with an audio mixer.

**Song formats that can be played by the unit**

The piano can play back data in the following formats.

- MIDI files: SMF format 0/1
- Audio files: WAV format, 44.1 kHz, 16-bit linear
- Audio files: MP3 format, 44.1 kHz, 64 kbps–320 kbps
Recording Your Performance

This piano lets you play back a recorded song so that you can check your own performance or practice along with a recorded song.

Recording

Recording a New Song

Getting ready to record

1. Select the tone that you want to play (p. 6).
2. You can sound the metronome if you like (p. 8).
   You can specify the tempo and time signature of the metronome.
   
   **MEMO**
   The metronome tempo and time signature are stored in the song, so that the song can play back with the same tempo and time signature.

3. Press the [●] button.
   The [●] button lights, the [●/■] button blinks, and the piano enters record-standby mode.
   If you decide to cancel recording, press the [●] button once again.

Starting your recording and saving it

1. Press the [●/■] button.
   After a two-measure count is sounded (the measure number in the lower right of the display indicates “-2” and then “-1”), recording starts.
   When the count begins, the [●] button and [●/■] button are lit.
   
   **MEMO**
   If you play the keyboard without pressing the [●/■] button, recording starts immediately. In this case, a count is not sounded.

2. Press the [●/■] button.
   Recording stops, and your performance is automatically saved.
   
   **MEMO**
   • You can delete the song (p. 11).
   • You can change the name of the song (p. 12).
   
   **NOTE**
   Never turn off the power while “Saving...” is shown in the display.

Listening to the recorded performance

After you record, the newly recorded song is selected.

1. Press the [●/■] button.
   Playback starts from the beginning of your recorded performance.

Recording Audio to USB Flash Drive

If you want to record your piano performance and listen to it on your computer or audio player, or to create a CD, you can record it as audio to a USB flash drive.

Getting ready to record

1. Connect your USB flash drive to the USB Memory port (p. 5).
   * Audio data can’t be saved in the piano’s internal memory.
2. Select the tone that you want to play (p. 6).
3. Hold down the [●] button and press the [+] button to select “Audio.”
   
   **MEMO**
   You can also specify this via the Function mode “Recording Mode” setting (p. 23).

4. Press the [●] button.
   The [●] button lights, the [●/■] button blinks, and the piano enters record-standby mode.
   If you decide to cancel recording, press the [●] button once again.
   
   **NOTE**
   Never turn off the power or disconnect the USB flash drive during recording.

5. You can sound the metronome if you like (p. 8).

Starting your recording and saving it

1. Press the [●/■] button.
   Recording starts.
   When recording starts, the [●] button and [●/■] button light.
   
   **MEMO**
   Recording starts.
   When recording starts, the [●] button and [●/■] button light.

2. Press the [●/■] button.
   Recording stops.
   
   **MEMO**
   • You can delete the song (p. 11).
   • You can change the name of the song (p. 12).
Listening to the recorded performance

After you record, the newly recorded song is selected.

1. Press the [▶/■] button.
   Playback starts from the beginning of your recorded performance.

Deleting a Saved Song (Delete Song)

Here’s how to delete a song that you saved on an internal memory or USB flash drive.

   **MEMO**
   If you want to delete all songs that have been saved to internal memory or USB flash drive, initialize the memory (p. 16).
   * If you want to delete a song on the USB flash drive, connect your USB flash drive to the USB Memory port before you continue.

1. Press the [Function] button, and then use the [◀] [▶] buttons to select “Delete Song.”

2. Press the [Function] (Enter) button.
   The Delete Song screen appears.

3. Use the [–] [+ ] buttons to select the memory location that contains the song you want to delete.

4. Press the cursor [▶] (right) button.

5. Use the [–] [+ ] buttons to select the song that you want to delete.

6. Press the [Function] (Enter) button.
   A confirmation message appears.

   **NOTE**
   Never turn off the power or remove the USB flash drives while the screen indicates “Executing...”

7. Use the cursor [▶] (right) button to select “Yes,” and then press the [Function] (Enter) button.
   The deletion is executed.

8. Press the [Exit] button several times to exit Function mode.

Converting an SMF-recorded song to audio

A song that you previously recorded as SMF can be converted to audio data so that you can play it back on your computer or use it to create a CD.

1. Select the song that you want to convert to audio (p. 9).
2. Prepare for audio recording (“Getting ready to record” (p. 10)).
   1. Connect your USB flash drive.
   2. Hold down the [+] button and use the [+ ] button to select “Audio.”
   3. Press the [+] button.
3. Press the cursor [▶] (right) button to select the song of step 1.
4. Press the [▶/◀] button to start audio recording (“Starting your recording and saving it” (p. 10)).

   * During recording, any sounds that you produce by playing the keyboard or that are input to the unit via the USB port, the Input Stereo jack, or Bluetooth audio are included in the audio that is recorded during this conversion.
   * Depending on the SMF, it might not be possible to convert it into the identical audio as when the song was recorded.
Renaming a Song (Rename Song)

Here’s how to rename a previously-saved song.

1. Press the [Function] button, and then use the [◄] [►] buttons to select “Rename Song.”

2. Press the [Function] (Enter) button. The Rename Song screen appears.

3. Use the [-] [+ ] buttons to select the media that contains the song that you want to rename.

4. Press the cursor [►] (right) button.

5. Use the [-] [+ ] buttons to select the song that you want to rename, and then press the cursor [►] (right) button.

6. Rename the song.

<table>
<thead>
<tr>
<th>Button</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>[◄] [►] buttons</td>
<td>Select the character to change.</td>
</tr>
<tr>
<td>[–] [+] buttons</td>
<td>Change the character.</td>
</tr>
</tbody>
</table>

If you decide to cancel, press the [Exit] button.

7. Press the [Function] (Enter) button. A confirmation message appears.

8. Use the cursor [►] (right) button to select “Yes,” and then press the [Function] (Enter) button. The song is renamed.

**NOTE**

Never turn off the power or remove the USB flash drives while the screen indicates “Executing...”

9. Press the [Exit] button several times to exit Function mode.

Copying a Saved Song (Copy Song)

Songs that have been saved in internal memory can be copied to USB flash drive. Alternatively, songs stored on a USB flash drive can be copied to internal memory.

* Audio files cannot be copied.
* If a USB flash drive is not connected, you won't be able to perform this operation.

1. Press the [Function] button, and then use the [◄] [►] buttons to select “Copy Song.”

2. Press the [Function] (Enter) button. The Copy Song screen appears.

3. Use the [-] [+ ] buttons to select the copy-source and copy-destination memory locations.

4. Press the cursor [►] (right) button.

5. Use the [-] [+ ] buttons to select the song that you want to copy.

If you decide to cancel, press the [Exit] button.

6. Press the [Function] (Enter) button. The copy is executed.

**NOTE**

Never turn off the power or remove the USB flash drives while the screen indicates “Executing...”

**MEMO**

If a song with the same file name has already been saved, the confirmation message “Overwrite?” appears. To overwrite the song, use the cursor [►] (right) button to select “Yes,” and then press the [Function] (Enter) button.

7. Press the [Exit] button several times to exit Function mode.
What is Piano Designer?
This unit allows you to personalize your piano sound by adjusting various factors that affect the sound, such as the piano's strings and the resonance produced using the pedals. This function is called "Piano Designer."

- Piano Designer can be used to customize the sound only for tones of the [Piano] button (1-4).
- Your settings are saved for each tone of the [Piano] button.

### Items that you can edit in Piano Designer

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lid</td>
<td>0–6</td>
<td>Adjusts the extent to which the lid of the grand piano is open. The sound becomes more mellow as you close the lid of the piano in the screen. The sound becomes brighter as you open the lid of the piano in the screen.</td>
</tr>
<tr>
<td>String Resonance</td>
<td>Off, 1–10</td>
<td>This adjusts the string resonance of the acoustic piano sound (the sympathetic vibrations of strings for previously played notes that occur when you play another note). Higher settings will make the sympathetic vibration louder.</td>
</tr>
<tr>
<td>Damper Resonance</td>
<td>Off, 1–10</td>
<td>Adjusts the overall resonance of the acoustic piano when its damper pedal is pressed (the sound of other strings vibrating in sympathy when you press the damper pedal, and the resonance of the entire instrument). Higher settings make the sympathetic vibration louder.</td>
</tr>
<tr>
<td>Key Off Resonance</td>
<td>Off, 1–10</td>
<td>Adjusts sympathetic vibrations such as an acoustic piano’s key-off sound (the subtle sound that occurs when you release a note). Higher settings produce greater tonal change during the decay.</td>
</tr>
<tr>
<td>Single Note Tuning (*1)</td>
<td>-50–0–+50</td>
<td>Specifies a method of tuning (stretch tuning) that is distinctive to the piano, in which the high register is tuned slightly sharper and the low register is tuned slightly flatter.</td>
</tr>
<tr>
<td>Single Note Volume (*1)</td>
<td>-50–0</td>
<td>Adjusts the volume of each key. Lower settings decrease the volume.</td>
</tr>
<tr>
<td>Single Note Character (*1)</td>
<td>-5–0–+5</td>
<td>Adjusts the tonal character of each key. Higher settings produce a harder sound, and lower settings produce a softer tone.</td>
</tr>
</tbody>
</table>

**Reset Setting**

- Here’s how the Piano Designer settings of the selected sound can be returned to their factory-set state.
  1. Press the [Enter] button.
  2. Use the cursor [ ] (right) button to select “Yes,” and then press the [Enter] button.

(*1) Single Note settings

1. Select a Single Note parameter, and press the [Enter] button.
2. Play the key that you want to edit, and use the [-] [+] buttons to adjust the settings for that key.

**MEMO**

- You can use the [ ] buttons to move to a different Single Note parameter.
- Press the [Enter] button to return to the previous screen.
What Is a Registration?

Tone settings and performance settings such as Dual Play or Split Play can be saved as a “registration” and recalled whenever you like.

The FP-60 has six registration buttons ([1]–[6]), and you can save five different registrations under each button. This means that you can save as many as 30 registrations.

An entire group of 30 registrations is called a “Registration Set.”

For more about the settings saved in a registration, refer to “Settings Saved in Registrations” (p. 27).

You can save registration sets to a USB flash drive (sold separately; p. 15).

Recalling a Registration

Here’s how to recall settings that you’ve saved in a registration.

1. **Press the [Registration] button.**
   The first time you press the [Registration] button after turning on the power, a screen like the following will appear.

   ![Registration Screen](image)

2. **Press a number button ([1] to [6]) to choose the location where the desired registration is saved.**

3. **Press the [–] [+], buttons to select the registration variation.**
   The settings change accordingly.

   You can also use a pedal to recall registrations (p. 24).

   You can reload registration sets that you’ve saved to a USB flash drive (p. 15).

4. **Press the [Exit] button.**

Saving Current Settings into a Registration

Here’s how to save the performance settings to a registration.

1. **Make the desired performance settings.**
2. **Hold down the [Registration] button and press one of the [1]–[6] buttons, then press the [-] [+] buttons to which you want to assign the settings.**
   When you release the [Registration] button, you will see a screen like the one shown below.

   ![Registration Button Operation](image)

3. **Rename the registration.**

   ![Registration Rename](image)

   If you decide to cancel, press the [Exit] (Cancel) button.

4. **Press the [Function] (Store) button.**
   The performance settings are saved.
   The [Registration] button stops blinking and lights up solid.

   Do NOT turn off the power while “Executing...” is displayed.

5. **Press the [Exit] button.**

   ![Registration Reset](image)

   You can reset all registrations to their factory defaults. For details, refer to “Restoring the Factory Settings (Factory Reset)” (p. 16).
Saving a Registration Set (Registration Set Export)

Here’s how the registration set that’s saved in the FP-60 can be saved to a USB flash drive.

* If you’re saving to a USB flash drive, connect your USB flash drive to the USB MEMORY port before proceeding.

1. Press the [Function] button, and then use the [◄] [►] buttons to select “Reg. Set Export.”

2. Press the [Function] (Enter) button.
   The Reg. Set Export screen appears.

3. Renaming the registration set.
   - Use the [◄] [►] buttons to select the character to change.
   - Use the [–] [+] buttons to change the character.

   If you decide to cancel, press the [Exit] button.

4. Press the [Function] (Enter) button.
   The registration set is saved.

   **NOTE**
   Never turn off the power or remove the USB flash drives while the screen indicates “Executing...”

5. Press the [Exit] button several times to exit Function mode.

Loading a Saved Registration Set (Registration Set Import)

Here’s how a registration set saved on a USB flash drive can be loaded into the registrations of the FP-60.

* If you want to load a registration set from a USB flash drive, connect your USB flash drive to the USB MEMORY port before proceeding.

**NOTE**
Note that when you load a registration set, it will overwrite (and erase) all of the registrations already in registration memory. If you wish to retain your existing registrations, save them to a USB flash drive.

1. Press the [Function] button, and then use the [◄] [►] buttons to select “Reg. Set Import.”

2. Press the [Function] (Enter) button.
   The Reg. Set Import screen appears.

3. Use the [–] [+] buttons to select the registration set you want to load.

4. Press the [Function] (Enter) button.
   A confirmation message appears.

   If you decide to cancel, press the [Exit] button.

5. Use the cursor [►] (right) button to select “Yes,” and then press the [Function] (Enter) button.
   The registration set will be loaded.

   **NOTE**
   Never turn off the power or remove the USB flash drives while the screen indicates “Executing...”

6. Press the [Exit] button several times to exit Function mode.
**Convenient Functions**

**Reformatting Memory (Format Media)**

You can completely erase all data that were saved in internal memory or on a USB flash drive.

**NOTE**
- All data saved in internal memory or on the USB flash drive will be erased when you initialize the media.
- If you want settings other than the internal memory and USB flash drive data to be returned to their factory-set state, execute a Factory Reset (p. 16).

1. If you want to initialize a USB flash drive, connect the USB flash drive to the USB Memory port (p. 5).
2. Press the [Function] button, and then use the [◄] [►] buttons to select “Format Media.”
3. Press the [Function] (Enter) button.
   The Format Media screen appears.
   If you decide to cancel, press the [Exit] button.
4. Use the [–] [+] buttons to select the media that you want to format.
5. Press the [Function] (Enter) button.
   A confirmation message appears.
   If you decide to cancel, press the [Exit] button.
6. Use the cursor [►] (right) button to select “Yes,” and then press the [Function] (Enter) button.
   The memory is formatted.
   **NOTE**
   Do NOT turn off the power or disconnect the USB flash drive while “Executing...” is displayed.
7. Press the [Exit] button several times to exit Function mode.

**Restoring the Factory Settings (Factory Reset)**

Here’s how to restore all registrations and internally saved settings to the factory-set condition. This function is called “Factory Reset.”

**NOTE**
- A factory reset returns all of your saved settings to their factory values.
- Executing this function does not erase the data in internal memory or on a USB flash drive (sold separately). If you want to erase all songs from internal memory or from a USB flash drive, refer to “Reformatting Memory (Format Media)” (p. 16).

1. Press the [Function] button, and then use the [◄] [►] buttons to select “Factory Reset.”
2. Press the [Function] (Enter) button.
   A confirmation message appears.
   If you decide to cancel, press the [Exit] button.
3. Press the cursor [►] (right) button to select “Yes,” and then press the [Function] (Enter) button.
   The memory is reset to its factory values.
   **NOTE**
   Do NOT turn off the power while “Executing...” is displayed.
4. Turn the power off, then on again (p. 4).

**Retaining Settings After Power-Off (Memory Backup)**

Temperament settings, equalizer settings, and other settings are reset to their default values when the FP-60 is turned on.

You can automatically restore the desired settings if you save them in internal memory.

**MEMO**
For a list of settings saved by Memory Backup, see “Saved Settings” (p. 27).

1. Press the [Function] button, and then use the [◄] [►] buttons to select “Memory Backup.”
2. Press the [Function] (Enter) button.
   A confirmation message appears.
   If you decide to cancel, press the [Exit] button.
3. Press the cursor [►] (right) button to select “Yes,” and then press the [Function] (Enter) button.
   Memory Backup will be carried out.
   **NOTE**
   Do NOT turn off the power while “Executing...” is displayed.
4. Press the [Exit] button several times to exit Function mode.
Using the Bluetooth® Functionality

Provision of Bluetooth functionality
Please be aware that depending on the country in which you purchased the piano, Bluetooth functionality might not be included.

If Bluetooth functionality is included
The Bluetooth logo appears when you turn on the power.

Here’s What You Can Do

Bluetooth functionality wirelessly connects this piano to a mobile device such as your smartphone or tablet (subsequently referred to as the “mobile device”), allowing you to do the following.

Music played back by the mobile device can be heard through the piano’s speakers.
You can play back music data that’s saved on your iPhone or other mobile device, and wirelessly listen to it through the piano’s speakers.

→ “Listening to Music Through the Piano’s Speakers” (p. 18)

You can use apps to expand your piano enjoyment.
You can install apps (such as Roland’s “Piano Partner 2” or “Piano Designer”) on your mobile device, and use them in conjunction with the piano.

→ “Using Apps with the Piano” (p. 19)

You can connect a music score viewing app, and use the pedals to turn pages.
You can view electronic scores (in a score viewing app such as “piaScore”) on your iPad or other mobile device, and use the pedals to turn pages.

→ “Using the Pedals to Turn Pages in a Score Viewing App” (p. 20)

Pairing
In order to use Bluetooth functionality, you must first perform an action called “pairing,” which connects the piano to the mobile device in a one-to-one relationship.

“Pairing” is the procedure of registering (mutually authenticating) your mobile device with the piano.
To perform pairing, use the procedure that’s appropriate for each function.

* If you have trouble making connections, refer to the “Troubles with Bluetooth functionality” (p. 21).

Status of the connection between the piano and the mobile device
Depending on the functionality of the mobile device that’s connected, the following icons are shown in the lower left of the screen.

Function | Displayed icon
---|---
Listening to music from the mobile device | 🎵AUDIΟ (AUDIO)
Linking with an app | 🔎MIDI (MIDI)
Using the pedals to turn pages | 🔴PAGE
Page turning and linking with an app | 🔴PAGE (P+MIDI)
### Listening to Music Through the Piano’s Speakers

Here’s how to make settings so that music data saved on your mobile device can be wirelessly played back through the piano’s speakers.

* If your mobile device is already paired with the piano, there is no need to perform pairing again. Refer to “Connecting an Already-Paired Mobile Device” (p. 18).

### Making Initial Settings (Pairing)

As an example, we explain how to make settings for an iPad. If you’re using an Android device, refer to the owner’s manual of the mobile device you’re using.

1. Place the mobile device that you want to connect near the piano.
2. Press the [Function] button, and then use the [ ]] [ ] buttons to select “Bluetooth Audio.”
3. Press the [Function] (Enter) button. The Bluetooth Audio screen appears.
4. Press the [Function] (Enter) button. The display indicates “Now pairing…,” and the piano waits for a response from the mobile device.
5. Turn on the Bluetooth function of the mobile device.
6. Tap “FP-60 Audio” that is shown in the Bluetooth device screen of your mobile device.
   * If the mobile device’s screen asks you to enter a “Pass Key,” enter “0000” (four zeros).
   When pairing is successful, “FP-60 Audio” is added to the list of “My Devices” on your mobile device.
   The piano’s display indicates “Completed,” and “AUDIO” appears beside the Bluetooth logo.
7. Press the [Exit] button several times to exit Function mode.
   This completes initial settings.

### MEMO

If pairing is not successful, temporarily cancel pairing on your mobile device, and then try the procedure again from step 5.

### Connecting an Already-Paired Mobile Device

1. Turn on the Bluetooth function of the mobile device.
   The piano and the mobile device are wirelessly connected.
   * If you were unable to establish a connection using the procedure above, tap “FP-60 Audio” that is displayed in the Bluetooth device screen of the mobile device.

### Playing Back Audio

When you play back music data on the mobile device, the sound is heard from the piano’s speakers.

### Adjusting the Volume of Audio

Normally, you’ll adjust the volume on your mobile device. If this does not provide the volume adjustment you want, you can adjust the volume as follows.

1. Proceed with steps 2–3 of “Making Initial Settings (Pairing)” (p. 18).
2. Use the [ ]] [ ] buttons to select “Input/Bluetooth Vol.,” and use the [ ] [ ] buttons to adjust the volume.

### If you have more than one piano

For example, if you want to pair your mobile device with multiple pianos located in a music school, you can specify an ID for each piano to pair your mobile device with the desired pianos.

### To pair your device with multiple pianos

Specify the Bluetooth ID on each piano.

When you make this setting, an ID number is added to the end of the device name shown on the mobile device (e.g., FP-60 Audio1).

1. Press the [Function] button, and use the [ ]] [ ] buttons to select “Bluetooth ID.”
2. Press the [ ] (Enter) button.
3. Use the [ ] [ ] buttons to edit the value of the setting.

<table>
<thead>
<tr>
<th>Value</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| 0–99  | Set to “0”; “FP-60 Audio” “FP-60” (default value)  
|       | Set to “1”; “FP-60 Audio1” “FP-60_1” |

* If you are pairing in an environment where there are multiple pianos, we recommend that you turn on the power of the mobile device and only those pianos that you want to pair (turn off the power of other devices).
Using the Piano with an App

Here’s how to make settings so that you can use the piano with an app that’s installed on your mobile device.

Example Apps That Can Be Used with the Piano

<table>
<thead>
<tr>
<th>App name</th>
<th>Supported OS</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piano Partner 2</td>
<td>iOS, Android</td>
<td>You can view musical scores of the internal songs, automatically add an accompaniment by detecting chords when you play the keyboard, or play note-guessing games to train your ear.</td>
</tr>
<tr>
<td>Piano Designer</td>
<td>iOS, Android</td>
<td>You can use the &quot;Piano Designer&quot; function (p. 13) in a more visual and intuitive way to adjust various aspects of the piano’s sound, such as the piano’s strings and pedal resonance.</td>
</tr>
</tbody>
</table>

* Apps can be downloaded from the App Store or Google Play (free of charge).
* The information provided here about apps made by Roland was current when this manual was published. For the latest information, refer to the Roland website.

Making Settings (Pairing)

As an example, we explain how to make settings for an iPad. If you’re using an Android device, refer to the owner’s manual of the mobile device you’re using.

* In order to use an app with the piano, you’ll have to make pairing settings each time.

1. If the FP-60 is already paired in the Bluetooth settings of the mobile device, temporarily cancel pairing.
   If the device name “FP-60” is not shown, the piano is not paired. Proceed to the next step.

2. Temporarily turn off the Bluetooth function of your mobile device.

3. Near the piano, place the mobile device on which you’ve installed the app that you want to use.

4. Press the [Function] button, and then use the [◄] [►] buttons to select “Bluetooth Turn/MIDI.”

5. Press the [Function] (Enter) button.

6. Press the [-] [+ ] buttons to select “MIDI.”

7. Turn on the Bluetooth function of the mobile device.

**NOTE**
At this point, only turn on the Bluetooth function; don’t tap the device name “FP-60” even if it is displayed. If you tapped this to execute pairing, repeat the procedure from step 1.

8. In the settings of the app (e.g., “Piano Partner 2”) that’s installed on the mobile device, pair the device with the piano.
   When pairing is completed, the indication “MIDI” appears beside the Bluetooth logo in the piano’s screen. Settings are now complete.
Using the Pedals to Turn Pages on a Music Score App

Here’s how to use the piano’s pedals to turn the pages of a music score shown on your mobile device (e.g., in a music score viewing app such as “piaScore”).

Making Initial Settings (Pairing)

As an example, we explain how to make settings for an iPad. If you’re using an Android device, refer to the owner’s manual of the mobile device you’re using.

1. If the FP-60 is already paired in the Bluetooth settings of the mobile device, temporarily cancel pairing.
   If the device name “FP-60” is not shown, the piano is not paired. Proceed to the next step.

2. Temporarily turn off the Bluetooth function of your mobile device.

3. Near the piano, place the mobile device on which you’ve installed the music score app that you want to use.

4. Press the [Function] button, and then use the [K] [J] buttons to select “Bluetooth Turn/MIDI.”

5. Press the [Function] (Enter) button.

6. Use the [–] [+] buttons to select “Page Turn.”

7. Turn on the Bluetooth function of the mobile device.

8. On the mobile device, tap “FP-60.”

9. Press the [Exit] button several times to exit Function mode.

This completes initial settings.

Connecting an Already-Paired Mobile Device

1. Turn on the Bluetooth function of the mobile device.
   The piano and the mobile device are wirelessly connected.

Turning Pages

1. Start the music score viewing app that’s installed on the mobile device, and load a music score.

2. The sostenuto pedal turns to the next page, and the soft pedal turns to the previous page.

   * Even if the function of the pedals is assigned in “Center/Left Pedal Function” (p. 23), “page turning” takes priority.

If you want to use both page turning and soft / sostenuto pedals

If you want to use the page turning function but also want to use the soft pedal and sostenuto pedal, you can change the setting as follows.

1. Perform steps 2 and 3 of “Making Initial Settings (Pairing)” (p. 20).

2. Use the [K] [J] buttons to select “Page Turn Mode,” and then use the [–] [+] buttons to select the setting.

<table>
<thead>
<tr>
<th>Value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Once</td>
<td>The page turns when you press the pedal once.</td>
</tr>
<tr>
<td>Twice</td>
<td>The page turns when you press the pedal twice in quick succession. If you press the pedal once, it performs the usual pedal function.</td>
</tr>
</tbody>
</table>

3. Press the [Exit] button several times to exit Function mode.
Troubles with Bluetooth functionality

<table>
<thead>
<tr>
<th>Problem</th>
<th>Items to check/Action</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piano name (FP-60) does not appear in the Bluetooth device list of the mobile device</td>
<td><strong>Could the Bluetooth function be turned “Off”?</strong>&lt;br&gt;Turn the Bluetooth function “On.”&lt;br&gt;Bluetooth Audio function: Function mode → “Bluetooth Audio” → turn “Bluetooth Audio” On&lt;br&gt;Bluetooth Turn/MIDI function: Function mode → “Bluetooth Turn/MIDI” → turn “Bluetooth Turn &amp; MIDI (“*”)” On&lt;br&gt;“Bluetooth Page Turn” or “Bluetooth MIDI” appearing (becomes unavailable) on the mobile device</td>
<td>p. 18&lt;br&gt;p. 19&lt;br&gt;p. 20</td>
</tr>
<tr>
<td>If Bluetooth Audio function is “On” and the Bluetooth Turn/MIDI function is “Page Turn” or “Page Turn&amp;MIDI”</td>
<td>A device named “FP-60 Audio” appears.</td>
<td>-</td>
</tr>
<tr>
<td>If the Bluetooth Page Turn function is “On” and the Bluetooth Turn/MIDI function is set to “MIDI” or “Page Turn&amp;MIDI”</td>
<td>You can check this from a setting inside your app such as “Piano Partner 2.”</td>
<td>-</td>
</tr>
<tr>
<td>Can’t connect to Bluetooth Audio (Can’t make settings to hear music through the piano’s speakers)</td>
<td>If the piano (FP-60_Audio) is shown as a device in the Bluetooth settings of the mobile device</td>
<td>Delete the device’s registration from the mobile device, turn the mobile device’s Bluetooth function “Off” → “On,” and then perform pairing again.</td>
</tr>
<tr>
<td>Can’t connect to Bluetooth MIDI (Can’t make settings to turn pages using the pedals)</td>
<td>If the piano (FP-60_Audio) is not shown as a device</td>
<td>Turn the mobile device’s Bluetooth function “Off” and then “On” again, and initiate pairing from this unit to re-establish the connection.</td>
</tr>
<tr>
<td>Can’t connect to Bluetooth Page turning (Can’t make settings to turn pages using the pedals)</td>
<td>In some cases, the connection with the mobile device might become unavailable when you switch the Bluetooth Turn/MIDI function.</td>
<td>-</td>
</tr>
<tr>
<td>Can’t connect with the mobile device’s app that has an app</td>
<td>If this unit is not visible as a device in the mobile device’s Bluetooth settings</td>
<td>After unpairing the “FP-60” that is registered on the mobile device, turn the mobile device’s Bluetooth function “Off” and then “On” again, and reconnect it.</td>
</tr>
<tr>
<td>Can’t use the page turning function and MIDI function simultaneously</td>
<td>If this unit is not visible as a device</td>
<td>Turn the mobile device’s Bluetooth function “Off” and “On” again, and then reestablish the connection.</td>
</tr>
<tr>
<td>Can’t connect a paired mobile device</td>
<td>You must make the connection not from the mobile device’s Bluetooth setting but from the setting within Piano Partner 2 or other app that you’re using.</td>
<td>“Audio”</td>
</tr>
<tr>
<td>Keyboard no longer appears (becomes unavailable) on the mobile device</td>
<td>The [Page Up] [Page Down] keys of the keyboard are used by the page turning app.</td>
<td>“Turn&amp;MIDI”</td>
</tr>
<tr>
<td>Page does not turn when you press the pedal</td>
<td>When using the page turning function, the keyboard might not be shown (might be unavailable) depending on the mobile device app that you’re using.</td>
<td>“Turn&amp;MIDI”</td>
</tr>
<tr>
<td>Keyboard no longer appears (becomes unavailable) on the mobile device</td>
<td>If you want the mobile device’s keyboard to be shown while you’re using the page turning function, hold down this unit’s [Exit] button and press the [Function] button. To hide the mobile device’s keyboard, hold down the [Exit] button and press the [Function] button.</td>
<td>“Audio”</td>
</tr>
<tr>
<td>Page does not turn when you press the pedal</td>
<td>Depending on the music score display app that you’re using, pages might be turned by the up/down arrow keys of the text-entry keyboard, or by its Page Up and Page Down keys.</td>
<td>“Turn&amp;MIDI”</td>
</tr>
</tbody>
</table>

**1.** Proceed with steps 4–5 of “Using the Pedals to Turn Pages on a Music Score App” (p. 20).

**2.** Use the [+][−] buttons to select “Page Turn Assign,” and use the [-][+] buttons to select the function.

**3.** Press the [Exit] button several times to exit Function mode.

**MEMO**

If checking these points does not solve the problem, please refer to the Roland support website.
http://www.roland.com/support/
How to Use Function Mode

1. Press the [Function] button, and then use the [+][–] buttons to select the setting you want to change.
   * Depending on the item you select, an additional screen may be displayed.

2. Press the [-][+] buttons to adjust the value.

3. Press the [Exit] button several times to exit the Function mode.
   * The FP-60 settings return to their factory defaults when you turn off the power. But if you backup the current settings into internal memory, they will be restored the next time the power comes on. Refer to “Retaining Settings After Power-Off (Memory Backup)” (p. 16).

### Various Settings (Function Mode)

#### Adjusting the Keyboard Response (Key Touch)

The way in which the keyboard responds to your playing strength can be adjusted to your personal taste.

- **Fix, 1–100**
  
  Higher values will make the keyboard feel heavier.
  
  If you’ve specified “Fix,” notes will sound at the same volume regardless of how strongly you play the keyboard.

#### Matching the Pitch with Other Instruments (Master Tuning)

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

The reference pitch generally refers to the pitch of the note that’s played when you finger the middle A (A4) key. For a cleaner ensemble sound while performing with one or more other instruments, ensure that each instrument’s standard pitch is in tune with that of the other instruments.

- **415.3 Hz–440.0 Hz–466.2 Hz**

#### Changing the Tuning Method (Temperament)

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

Most modern songs are composed and played with the assumption that equal temperament (the most common tuning in use today) will be used, but when classical music was composed, there were a wide variety of other tuning systems in existence. Playing a composition with its original tuning lets you enjoy the sonorities of the chords that the composer originally intended.

<table>
<thead>
<tr>
<th>Temperament Key</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Equal</strong></td>
<td>This temperament divides the octave into twelve equal steps. It is the temperament that most commonly used on today’s pianos. Every interval has the same slight amount of dissonance.</td>
</tr>
<tr>
<td><strong>Just Major</strong></td>
<td>In these temperaments, the primary triads are perfectly consonant. It is unsuited to playing melodies and cannot be transposed, but is capable of beautiful sonorities.</td>
</tr>
<tr>
<td><strong>Just Minor</strong></td>
<td>The Just tunings differ from major and minor keys.</td>
</tr>
<tr>
<td><strong>Pythagorean</strong></td>
<td>This tuning, devised by the philosopher Pythagoras, eliminates dissonance in fourths and fifths. Although third chord is slightly dissonant, this tuning is suitable for songs that have a simple melody.</td>
</tr>
<tr>
<td><strong>Kirnberger I</strong></td>
<td>As in the Just temperaments, the primary triads are consonant in this tuning. Beautiful sonorities are obtained when playing songs that are written in keys appropriate for this tuning.</td>
</tr>
<tr>
<td><strong>Kirnberger II</strong></td>
<td>This is a revision of Kirnberger I that reduces the limitations on the usable keys.</td>
</tr>
<tr>
<td><strong>Kirnberger III</strong></td>
<td>This is an improvement of the Meantone and Just tunings that provides a high degree of freedom of modulation. Performances are possible in all keys. Since the resonance differs depending on the key, chords played in this temperament resonate in diverse ways when compared to equal temperament.</td>
</tr>
<tr>
<td><strong>Meantone</strong></td>
<td>This temperament slightly narrows the fifth relative to Just temperaments. While the Just temperaments contains two types of whole tone (major whole tone and minor whole tone), meantone temperament uses only one type of whole tone (mean whole tone). Transposition within a limited range of keys is possible.</td>
</tr>
<tr>
<td><strong>Werckmeister</strong></td>
<td>This temperament consists of eight perfect fifths and four narrowed fifths. Performance in all keys is possible. Since different keys produce different sonorities, chords will resonate in diverse ways when compared to equal temperament (Werckmeister I (III)).</td>
</tr>
<tr>
<td><strong>Arabic</strong></td>
<td>This tuning is suitable for the music of Arabia.</td>
</tr>
</tbody>
</table>

#### How to Use Function Mode

1. **Press the [Function] button, and then use the [+][–] buttons to select the setting you want to change.**
2. **Press the [-][+] buttons to adjust the value.**
3. **Press the [Exit] button several times to exit the Function mode.**

* The FP-60 settings return to their factory defaults when you turn off the power. But if you backup the current settings into internal memory, they will be restored the next time the power comes on. Refer to “Retaining Settings After Power-Off (Memory Backup)” (p. 16).

### Editing the Equalizer Settings (Equalizer)

You can use the equalizer to modify the tone color by boosting or reducing just the low-frequency or high-frequency range of the sound.

#### Equalizer

- **EQ Low Freq 20–400 (Hz)**
  
  Frequency point in the low-frequency range.
  
  Changes the level at and over the specified bandwidth.

- **EQ Mid Freq 200–8000 (Hz)**
  
  Frequency point in the mid-frequency range.
  
  Changes the level of the specified frequency range.
  
  This changes the level at and over the specified bandwidth centered on this frequency.

- **EQ Mid Q 0.5, 1.0, 2.0, 4.0, 8.0**
  
  Changes the bandwidth of the mid-frequency range.
  
  The bandwidth affected narrows as the value increases.

- **EQ High Freq 20000–160000 (Hz)**
  
  Frequency point in the high-frequency range.
  
  Changes the level at and over the specified bandwidth.

### How to Use Function Mode

1. **Press the [Function] button, and then use the [+][–] buttons to select the setting you want to change.**
2. **Press the [-][+] buttons to adjust the value.**
3. **Press the [Exit] button several times to exit the Function mode.**

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### How to Use Function Mode

1. **Press the [Function] button, and then use the [+][–] buttons to select the setting you want to change.**
2. **Press the [-][+] buttons to adjust the value.**
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**Indication**

- Blue LED: On/Off

**Parameter**

- [+] button

**Explanation**

Adjusting the Volume of an Audio Playback Device or Bluetooth Audio (Input/Bluetooth Vol.)

You can adjust the volume of the audio playback when an audio playback device is connected to the Input Stereo jack or via Bluetooth.

Specifying the Song (SMF) Playback Mode (SMF Play Mode)

When playing back a song (SMF), select the appropriate setting depending on whether you’re playing an internal song or external data. Normally you will use the “Auto Select” setting.

This determines whether the setting that is most suitable for the internal song or most suitable for external data is selected when you play back a song whose file format is SMF.

<table>
<thead>
<tr>
<th>SMF Play Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-Select</td>
<td>Automatically switches the SMF Play Mode to either “Internal” or “External” depending on the song that is being played.</td>
</tr>
<tr>
<td>Internal</td>
<td>When you play back an internal song, the tone used for keyboard performance automatically changes to the tone of the internal song. This is recommended when you play back an internal song or a song that you recorded on this piano.</td>
</tr>
<tr>
<td>External</td>
<td>Even when playing back external data, the tone used for keyboard performance can be specified independently of the tone used to play the external data. This is recommended when you play back external data such as commercially available music data.</td>
</tr>
</tbody>
</table>

Selecting the Format for Recording (Recording Mode)

You can choose whether to record as SMF or as audio.

**Recording Mode**

- [+] button

**MEMO**

You can also switch the Recording Mode by holding down the [+] button and using the [-] button.

Audio Record as audio data. (WAV format, 44.1 kHz, 16-bit, linear)

SMF Record your performance, and play it back on the piano.

SMF Play Mode

You can also switch the SMF Play Mode by holding down the [+] button and using the [-] button.

- Auto-Select
  - Automatically switches the SMF Play Mode to either “Internal” or “External” depending on the song that is being played.

**Selecting the SMF Play Mode**

You can choose whether to record as SMF or as audio.

- SMF
  - Record your performance, and play it back on the piano.

- Audio
  - Record as audio data. (WAV format, 44.1 kHz, 16-bit, linear)

SMF Record your performance, and play it back on the piano.

- Audio
  - Your recorded piano performance can be played back on your computer or audio player, or you can use it to make a CD.

SMF Record your performance, and play it back on the piano.

Copy Song

Refer to “Copying a Saved Song (Copy Song)” (p. 12).

- Copy Song
  - Refer to “Copying a Saved Song (Copy Song)” (p. 12).

Delete Song

Refer to “Deleting a Saved Song (Delete Song)” (p. 11).

Format Media

Refer to “Reformatting Memory (Format Media)” (p. 16).

- Format Media
  - Refer to “Reformatting Memory (Format Media)” (p. 16).

Changing How the Pedal Effects Are Applied (Damper Pedal Part)

When you press the pedal connected to the Pedal Damper jack during “Dual Play” or “Split Play,” the pedal effect is normally applied to both tones, but you can also select the tone to which the effect is to be applied.

- Right & Left
  - All enabled

- Right
  - Applied only to the Tone 1 (in Dual Play)/Right-hand Tone (in Split Play)

- Left
  - Applied only to the Tone 2 (in Dual Play)/Left-hand Tone (in Split Play)

Changing the Function of the Center Pedal (Center Pedal)

Use this feature to change the function of the pedal connected to the Pedal Sostenuto jack.

<table>
<thead>
<tr>
<th>Center Pedal</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sostenuto</td>
<td>The pedal functions as a sostenuto pedal.</td>
</tr>
<tr>
<td>Soft</td>
<td>Sets function to soft pedal.</td>
</tr>
<tr>
<td>Start/Stop</td>
<td>The pedal will have the same function as the [&gt;] button.</td>
</tr>
<tr>
<td>Layer</td>
<td>In Dual Play, you can control of the Tone 2 volume.</td>
</tr>
<tr>
<td>Expression</td>
<td>Allows control of the volume. You may find it convenient to connect an expression pedal (EV-5: sold separately). Does not change the recorded performance play.</td>
</tr>
<tr>
<td>Master Expression</td>
<td>Controls the overall volume of the FP-60.</td>
</tr>
<tr>
<td>Bend Up</td>
<td>Pitch rises when pedal is depressed.</td>
</tr>
<tr>
<td>Bend Down</td>
<td>Pitch is lowered when pedal is depressed.</td>
</tr>
<tr>
<td>Modulation</td>
<td>Vibrate is added when pedal is depressed.</td>
</tr>
<tr>
<td>Rotary Sw</td>
<td>When using the rotary effect, switches the rotary effect between slow and fast.</td>
</tr>
</tbody>
</table>

- *1 Only works on the Center Pedal Function.
- *2 Only works on the Left Pedal Function.
- *3 Works only on the tone set as the corresponding pedal part (Center Pedal Part or Left Pedal Part).
- * Use only the specified expression pedal. By connecting any other expression pedals, you risk causing malfunction and/or damage to the piano.

Changing How the Pedal Effects Are Applied (Center Pedal Part)

When you press the pedal connected to the Pedal Sostenuto jack during “Dual Play” or “Split Play,” the pedal effect is normally applied to both tones, but you can also select the tone to which the effect is to be applied.

Refer to “Changing How the Pedal Effects Are Applied (Damper Pedal Part)” (p. 23).

Changing the Function of the Left Pedal (Left Pedal)

Use this feature to change the function of the pedal connected to the Pedal Soft jack.

- Left
  - Refer to “Changing the Function of the Center Pedal (Center Pedal)” (p. 23).

Changing How the Pedal Effects Are Applied (Left Pedal Part)

When you press the pedal connected to the Pedal Soft jack during “Dual Play” or “Split Play,” the pedal effect is normally applied to both tones, but you can also select the tone to which the effect is to be applied.

Refer to “Changing How the Pedal Effects Are Applied (Damper Pedal Part)” (p. 23).
Advanced Operation

<table>
<thead>
<tr>
<th>Indication</th>
<th>Parameter</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>[&lt;][&gt;][+] buttons</td>
<td>[-][+] buttons</td>
<td></td>
</tr>
</tbody>
</table>

**Reg. Pedal Shift**

Using a Pedal to Switch Registrations (Reg. Pedal Shift)

You can assign a pedal to successively switch registrations. Each time you press the pedal, you will switch to the next registration.

- **Off**: The functions assigned to the Pedal Soft jack and Pedal Sostenuto jack will be available for use.
- **Left Pedal**: The pedal connected to the Pedal Soft jack can be used only for switching registrations.
- **Center Pedal**: The pedal connected to the Pedal Sostenuto jack can be used only for switching registrations.

**Reg. Set Export**

Refer to “Saving a Registration Set (Registration Set Export)” (p. 15).

**Reg. Set Import**

Refer to “Loading a Saved Registration Set (Registration Set Import)” (p. 15).

**Sending Tone-Change Information (Transmit MIDI Information)**

When you switch registrations, the FP-60 simultaneously transmits the following: Program Change, Bank Select MSB, and Bank Select LSB. You can also set the transmit channel.

- **Reg. Transmit Ch.**: Off, 1–16
  - Sets the Program Change transmit channel.
- **Reg. Bank MSB**: 0 (00)–127 (7F)
  - Sets the Bank Select MSB.
- **Reg. Bank LSB**: 0 (00)–127 (7F)
  - Sets the Bank Select LSB.
- **Reg. PC**: 1 (00)–128 (7F)
  - Sets the Program Change number.

**Local Control**

Preventing Doubled Notes When Connected to a Sequencer (Local Control)

When you have a MIDI sequencer connected via USB, set this parameter to Local Off.

Since most sequencers 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.

- **Off**: Local Control is off. The keyboard is disconnected from the internal sound generator. Playing the keyboard will not produce sound.
- **On**: Local Control is on. The keyboard is connected to the internal sound generator.

**MIDI Transmit Channel Settings (MIDI Transmit Ch.)**

This setting specifies the MIDI channel on which the piano will transmit.

This unit will receive all sixteen channels (1–16).

- **Off**: 1–16

**Display Contrast**

Adjusting the Brightness of the Display (Display Contrast)

Adjusts the brightness of the FP-60 display.

- Dim, Bright

**Panel Brightness**

Adjusting the Brightness of the Buttons (Panel Brightness)

You can adjust the brightness of the FP-60’s buttons.

- Dim, Bright

**Auto Off**

Making the Power Automatically Turn Off After a Time (Auto Off)

With the factory settings, the piano’s power will automatically be switched off 240 minutes after you stop playing or operating the piano. If you don’t want the power to turn off automatically, change the “Auto Off” setting to “Off.”

- **Off, 10, 30, 240 (min)**

**Memory Backup**

The FP-60 settings return to their factory defaults when you turn off the power. But if you backup the current settings into internal memory, they will be restored the next time the power comes on.

Refer to “Retaining Settings After Power-Off (Memory Backup)” (p. 16).

**Factory Reset**

Refer to “Restoring the Factory Settings (Factory Reset)” (p. 16).

**Version**

Displays the version of the piano’s system program.
### Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Items to Check</th>
<th>Action</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Even though you’re using headphones to mute the sound, a thumping sound is heard when you play the keyboard.</td>
<td>The keyboard of this piano is designed to simulate the mechanism of an acoustic piano. Even on an acoustic piano, a thumping sound is actually being produced when you press a key. Such sounds do not indicate a malfunction.</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Power turns off on its own</td>
<td>Could the Auto Off setting be something other than “OFF”?</td>
<td>If you don’t need the power to turn off automatically, turn the Auto Off setting “OFF”.</td>
<td>p. 24</td>
</tr>
<tr>
<td>Power does not turn on</td>
<td>Is the AC adaptor connected correctly?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Pedal does not work, or is “stuck”</td>
<td>Is the pedal connected correctly?</td>
<td>Check the pedal cord, and the Pedal jack located on the back of the piano.</td>
<td>–</td>
</tr>
<tr>
<td>Pedal does not work, or is “stuck”</td>
<td>Could you have disconnected or connected the pedal cord while the power was on?</td>
<td>Power-off the piano before you connect or disconnect the pedal cord.</td>
<td>–</td>
</tr>
<tr>
<td>Pedal does not work, or is “stuck”</td>
<td>Could you have changed the output of the pedal?</td>
<td>Return the pedal function (Center Pedal, Left Pedal) to its previous setting.</td>
<td>p. 23</td>
</tr>
<tr>
<td>Pedal does not work, or is “stuck”</td>
<td>Could you be using the page-turning function?</td>
<td>–</td>
<td>p. 20</td>
</tr>
<tr>
<td>Notes don’t sound right</td>
<td>Could you be using Registration Shift?</td>
<td>–</td>
<td>p. 24</td>
</tr>
<tr>
<td>“Buzz” is heard from external devices</td>
<td>Are the external devices connected to more than one AC power outlet?</td>
<td>If you connect external devices, be sure to connect them to the same AC outlet.</td>
<td>–</td>
</tr>
<tr>
<td>The volume level of the device connected to Input Stereo jack is too low</td>
<td>Could the “Input: Bluetooth Vol.” be turned down?</td>
<td>–</td>
<td>p. 23</td>
</tr>
<tr>
<td>The volume level of the device connected to Input Stereo jack is too low</td>
<td>Could the volume of the connected device be turned down?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>No sound</td>
<td>Are your amp, speakers, headphones, etc., connected correctly?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>No sound</td>
<td>If the volume is turned down?</td>
<td>–</td>
<td>p. 5</td>
</tr>
<tr>
<td>No sound</td>
<td>Could headphones or an adaptor plug be inserted in the Phones jacks?</td>
<td>–</td>
<td>p. 6</td>
</tr>
<tr>
<td>No sound</td>
<td>The speakers will not produce sound if headphones or plug are connected to the Phones jacks.</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>No sound</td>
<td>Has Local Control been set to “OFF”?</td>
<td>Set Local Control to “On.”</td>
<td>–</td>
</tr>
<tr>
<td>No sound</td>
<td>Could the Speaker (Off/On) switch be “OFF”?</td>
<td>If the Speaker (Off/On) switch is “OFF”, sound is not output from the speakers of the FP-60.</td>
<td>–</td>
</tr>
<tr>
<td>No sound</td>
<td>Could the Part ([Upper] [Lower]) sliders both be lowered?</td>
<td>If the Part sliders are lowered, no sound is heard.</td>
<td>–</td>
</tr>
<tr>
<td>No sound</td>
<td>Could you be using an expression pedal?</td>
<td>Use an expression pedal to adjust the volume.</td>
<td>–</td>
</tr>
<tr>
<td>No sound</td>
<td>Could you have made Transpose settings?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Pitch of the keyboard or song is incorrect</td>
<td>Could you have made Tune settings?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Pitch of the keyboard or song is incorrect</td>
<td>Could you have changed (Off) the setting for the Temperament?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Pitch of the keyboard or song is incorrect</td>
<td>Could you have made the Pitch shift setting?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Notes are interrupted</td>
<td>Could you be holding down the damper pedal and sounding a large number of notes?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Notes are interrupted</td>
<td>Could you be using Duet Play or playing along with a song?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Sounds are heard twice (doubled) when the keyboard is played</td>
<td>Is the piano in Dual Play?</td>
<td>Press the [Split/Dual] button to turn off “Dual Play.”</td>
<td>p. 7</td>
</tr>
<tr>
<td>Sounds are heard twice (doubled) when the keyboard is played</td>
<td>Could the piano be connected to an external sequencer?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Sounds are heard twice (doubled) when the keyboard is played</td>
<td>If you don’t want the other sound module to produce sound, turn your DAW’s soft thru function “OFF.”</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Sounds are heard twice (doubled) when the keyboard is played</td>
<td>If Local Control is turned “On,” set Local Control to “OFF.”</td>
<td>–</td>
<td>p. 24</td>
</tr>
<tr>
<td>Sound appears different when using “Dual Play” or “Split Play”</td>
<td>When using “Dual Play” which layers two tracks, or “Split Play” which lets you play different tones with the left and right hands, the sound might appear different with certain combinations of tones.</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Reverberation remains even if you defeat the Ambience effect</td>
<td>Even if the Ambience effect is off, the acoustic piano’s own resonance remains.</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Only high or low sound is heard</td>
<td>Could you have adjusted the equalizer?</td>
<td>–</td>
<td>p. 6</td>
</tr>
</tbody>
</table>

### Song does not play correctly

<table>
<thead>
<tr>
<th>Problem</th>
<th>Items to Check</th>
<th>Action</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The selected sound changes when you play back a song</td>
<td>Could the SMF Play Mode be set to “Auto-Select” or “Internal”?</td>
<td>Set the SMF Play Mode to “External.”</td>
<td>p. 23</td>
</tr>
<tr>
<td>The piano’s tonal character changes when you record</td>
<td>Could you be recording with a tone that you created in Piano Designer?</td>
<td>The Piano Designer settings might not be reproduced when you play back a song.</td>
<td>–</td>
</tr>
<tr>
<td>Only the sound of a particular instrument in a recording</td>
<td>Could you be playing back the audio-recorded sound?</td>
<td>Record as SMF.</td>
<td>p. 10</td>
</tr>
<tr>
<td>Song volume is too low / Volume differs between recording and playback</td>
<td>Could the Part ([Upper] [Lower]) sliders both be lowered?</td>
<td>If the Part sliders are lowered, no sound is heard.</td>
<td>–</td>
</tr>
<tr>
<td>No sound when you play back a song</td>
<td>Could the (Song) Vol slider (on a MIDI) be set to “0”?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>No sound when you play back a song</td>
<td>Could the (Song) Vol slider (on a MIDI) be set to “0”?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Can’t play back a song saved in USB flash drive</td>
<td>Three types of file can be played back: audio files, MP3, and MIDI files.</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Can’t play back a song saved in USB flash drive</td>
<td>Audio files</td>
<td>File extension “.wav,” 44.1 kHz, 16-bit linear.</td>
<td>–</td>
</tr>
<tr>
<td>Can’t play back a song saved in USB flash drive</td>
<td>MP3</td>
<td>File extension “.mp3,” 44.1 kHz, 64 kbps–320 kbps</td>
<td>–</td>
</tr>
<tr>
<td>Can’t play back a song saved in USB flash drive</td>
<td>MIDI</td>
<td>File extension “.MID”</td>
<td>–</td>
</tr>
<tr>
<td>Titles of songs saved on the USB flash drive do not appear in the screen</td>
<td>Could the song name information in the file be blank or consist of only spaces?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Titles of songs saved on the USB flash drive do not appear in the screen</td>
<td>If the filename extension “.MID” is missing, the song titles may be shown in the screen only for files that have a “.MID” extension.</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Can’t record</td>
<td>Could the file name contain two-byte characters?</td>
<td>Rename the file so that it consists only of single-byte alphanumeric characters.</td>
<td>–</td>
</tr>
<tr>
<td>Can’t record audio</td>
<td>Is a USB flash drive connected to the USB Memory port?</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>
### Error Messages

<table>
<thead>
<tr>
<th>Indication</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Error 2</td>
<td>An error occurred during writing. The USB flash drive may be corrupted. Insert other USB flash drive and try again. Alternatively, you can initialize the USB flash drive (p. 16). The internal memory might be damaged. Format the internal memory (p. 16).</td>
</tr>
<tr>
<td>Error 10</td>
<td>No USB flash drive is inserted. Insert the USB flash drive and try again. The internal memory might be damaged. Format the internal memory (p. 16).</td>
</tr>
<tr>
<td>Error 11</td>
<td>There is not sufficient free memory in the save destination. Either insert other USB flash drive or delete unneeded files and try again.</td>
</tr>
<tr>
<td>Error 14</td>
<td>An error occurred during reading. The USB flash drive may be corrupted. Insert other USB flash drive and try again. Alternatively, you can initialize the USB flash drive (p. 16). The internal memory might be damaged. Format the internal memory (p. 16).</td>
</tr>
<tr>
<td>Error 15</td>
<td>The file is unreadable. The data format is not compatible with the piano.</td>
</tr>
<tr>
<td>Error 18</td>
<td>This audio format is not supported. Please use 44.1 kHz 16-bit WAV format or 44.1 kHz 64 kbps-320 kbps MP3 format audio files.</td>
</tr>
<tr>
<td>Error 30</td>
<td>Internal memory capacity of the piano is full.</td>
</tr>
<tr>
<td>Error 40</td>
<td>The piano cannot deal with the excessive MIDI data sent from the external MIDI device. Reduce the amount of MIDI data sent to the piano.</td>
</tr>
<tr>
<td>Error 43</td>
<td>A MIDI transmission error has occurred. Check the MIDI cable and connected MIDI device.</td>
</tr>
<tr>
<td>Error 51</td>
<td>There may be a problem with the system. Repeat the procedure from the beginning. If it is not solved after you have tried several times, contact the Roland service center.</td>
</tr>
<tr>
<td>Error 65</td>
<td>The USB flash drive connector was subjected to excessive current. Make sure that there is no problem with the USB flash drive, then turn the power off, then on again.</td>
</tr>
</tbody>
</table>

### Tone List

#### Piano

<table>
<thead>
<tr>
<th>#</th>
<th>Tone Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Concert Piano</td>
</tr>
<tr>
<td>2</td>
<td>Ballad Piano</td>
</tr>
<tr>
<td>3</td>
<td>Mellow Piano</td>
</tr>
<tr>
<td>4</td>
<td>Bright Piano</td>
</tr>
<tr>
<td>5</td>
<td>Upright Piano</td>
</tr>
<tr>
<td>6</td>
<td>Mellow Upright</td>
</tr>
<tr>
<td>7</td>
<td>Bright Upright</td>
</tr>
<tr>
<td>8</td>
<td>Rock Piano</td>
</tr>
<tr>
<td>9</td>
<td>Ragtime Piano</td>
</tr>
<tr>
<td>10</td>
<td>Bright Forte</td>
</tr>
<tr>
<td>11</td>
<td>SA Piano 3</td>
</tr>
<tr>
<td>12</td>
<td>70's E.Grand</td>
</tr>
<tr>
<td>13</td>
<td>Magical Piano</td>
</tr>
<tr>
<td>14</td>
<td>Harpsichord</td>
</tr>
<tr>
<td>15</td>
<td>Harpsi E&quot;&quot;</td>
</tr>
</tbody>
</table>

#### Strings

<table>
<thead>
<tr>
<th>#</th>
<th>Tone Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Chamber Str</td>
</tr>
<tr>
<td>2</td>
<td>String Exp</td>
</tr>
<tr>
<td>3</td>
<td>Full Strings</td>
</tr>
<tr>
<td>4</td>
<td>Strings forl</td>
</tr>
<tr>
<td>5</td>
<td>Epic Strings</td>
</tr>
<tr>
<td>6</td>
<td>Rich Strings</td>
</tr>
<tr>
<td>7</td>
<td>Orchestra</td>
</tr>
<tr>
<td>8</td>
<td>Harpiness</td>
</tr>
<tr>
<td>9</td>
<td>Orchestra8ns</td>
</tr>
<tr>
<td>10</td>
<td>SymphonicStr1</td>
</tr>
<tr>
<td>11</td>
<td>SymphonicStr2</td>
</tr>
</tbody>
</table>

#### Organ

<table>
<thead>
<tr>
<th>#</th>
<th>Tone Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B.Organ Slow</td>
</tr>
<tr>
<td>2</td>
<td>Pipe Organ</td>
</tr>
<tr>
<td>3</td>
<td>Nason flt E&quot;&quot;</td>
</tr>
<tr>
<td>4</td>
<td>Combo Jr.Org</td>
</tr>
<tr>
<td>5</td>
<td>Ballad Organ</td>
</tr>
<tr>
<td>6</td>
<td>ChurchOrgan1</td>
</tr>
<tr>
<td>7</td>
<td>ChurchOrgan2</td>
</tr>
<tr>
<td>8</td>
<td>Gospel Spin</td>
</tr>
<tr>
<td>9</td>
<td>Full Stops</td>
</tr>
<tr>
<td>10</td>
<td>Mellow Bars</td>
</tr>
<tr>
<td>11</td>
<td>Lower Organ</td>
</tr>
<tr>
<td>12</td>
<td>Light Organ</td>
</tr>
<tr>
<td>13</td>
<td>Animal Mod</td>
</tr>
<tr>
<td>14</td>
<td>Surf Monkeys</td>
</tr>
<tr>
<td>15</td>
<td>Rising Sun</td>
</tr>
</tbody>
</table>

#### Pad

<table>
<thead>
<tr>
<th>#</th>
<th>Tone Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Super SynPad</td>
</tr>
<tr>
<td>2</td>
<td>Choir Ahhs 1</td>
</tr>
<tr>
<td>3</td>
<td>Choir Ahhs 2</td>
</tr>
<tr>
<td>4</td>
<td>D50 StackPad</td>
</tr>
<tr>
<td>5</td>
<td>Legend Pad</td>
</tr>
<tr>
<td>6</td>
<td>Voice of Hvn</td>
</tr>
<tr>
<td>7</td>
<td>New Jupiter</td>
</tr>
<tr>
<td>8</td>
<td>Chordfcndna</td>
</tr>
<tr>
<td>9</td>
<td>JP8 Strings</td>
</tr>
<tr>
<td>10</td>
<td>Air Pad</td>
</tr>
<tr>
<td>11</td>
<td>Boreal Pad</td>
</tr>
<tr>
<td>12</td>
<td>JP8 Hollow</td>
</tr>
<tr>
<td>13</td>
<td>Soft Pad</td>
</tr>
<tr>
<td>14</td>
<td>Solina</td>
</tr>
<tr>
<td>15</td>
<td>Trit Strings</td>
</tr>
</tbody>
</table>

#### Other

<table>
<thead>
<tr>
<th>#</th>
<th>Tone Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Super Saw</td>
</tr>
<tr>
<td>2</td>
<td>Trancy Synth</td>
</tr>
<tr>
<td>3</td>
<td>Flip Pad</td>
</tr>
<tr>
<td>4</td>
<td>D50 Funtasia</td>
</tr>
<tr>
<td>5</td>
<td>D50 Stac Hvn</td>
</tr>
<tr>
<td>6</td>
<td>D50 FuturePd</td>
</tr>
<tr>
<td>7</td>
<td>D50 Digndnc</td>
</tr>
<tr>
<td>8</td>
<td>EQ Lead</td>
</tr>
<tr>
<td>9</td>
<td>DellyResoSaws</td>
</tr>
<tr>
<td>10</td>
<td>StrawberryFrt</td>
</tr>
<tr>
<td>11</td>
<td>Jazz Scat</td>
</tr>
<tr>
<td>12</td>
<td>Ac.Bass wbrl</td>
</tr>
<tr>
<td>13</td>
<td>Compil JBass</td>
</tr>
<tr>
<td>14</td>
<td>A.Bass+Cymbal</td>
</tr>
<tr>
<td>15–23</td>
<td>8-drum sets and 1 SFX set</td>
</tr>
<tr>
<td>24–279</td>
<td>GM2 Tones</td>
</tr>
</tbody>
</table>
### Saved Settings

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Explanation</th>
<th>Settings Saved in Registrations</th>
<th>Items Stored by Memory Backup</th>
<th>Settings Stored Immediately When Edited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selected tone (including Split or Dual tones)</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dual Play On/Off</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Split Play On/Off</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part Volume</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Split Point</td>
<td>Split Point</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Right Shift</td>
<td>Octave shift of the right-hand tone</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left Shift</td>
<td>Octave shift of the left-hand tone</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tone 1 Shift</td>
<td>Octave shift of tone 1</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tone 2 Shift</td>
<td>Octave shift of tone 2</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transpose</td>
<td>Transpose on/off and transpose value</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Ambience</td>
<td>Depth of the ambience effect</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Rotary Speed</td>
<td>Modulation speed of the rotary effect</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modulation Speed</td>
<td>Speed at which the sound is modulated</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Key Touch</td>
<td>Key Touch</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Damper Pedal Part</td>
<td>Damper pedal part setting</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Center Pedal Part</td>
<td>Center pedal part setting</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Center Pedal</td>
<td>Function of the center pedal</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left Pedal Part</td>
<td>Left pedal part setting</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left Pedal</td>
<td>Function of the left pedal</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reg. Pedal Shift</td>
<td>Registration pedal shift setting</td>
<td>*</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MIDI Transmit Ch.</td>
<td>MIDI transmit channel</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reg. Transmit Ch.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reg. PC</td>
<td>Tone switching information</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reg. Bank MSB</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reg. Bank LSB</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Headphones 3D Ambience</td>
<td>Headphone 3D ambience</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Hammer Response</td>
<td>Hammer response</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Metronome</td>
<td>Metronome (volume, sound, down beat)</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Master Tuning</td>
<td>Master Tuning</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Temperament</td>
<td>Tuning method</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Temperament Key</td>
<td>Base note for the tuning method</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Input/Bluetooth Vol.</td>
<td>Input/Bluetooth volume</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>SMF Play Mode</td>
<td>SMF playback mode</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Display Contrast</td>
<td>Display contrast</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Panel Brightness</td>
<td>Brightness of the buttons</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Auto Off</td>
<td>Auto off</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Equalizer</td>
<td>Equalizer settings</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
</tbody>
</table>

* The “Reg. Pedal Shift” setting is saved on the USB flash drive when you execute Registration Set Export.
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. 24).

Use only the stand that is recommended
This unit should be used only with a stand that is recommended by Roland.

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.

IMPORTANT NOTES
Placement

• Do not allow objects to remain on top of the keyboard. This can be the cause of malfunction, such as keys seizing to produce sound.
• Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface.

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.

Reparis 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

• Note when placing a mobile device such as a smartphone or tablet on this unit
  • Handle your device with care to avoid scratching the unit or the mobile device.
  • Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc. To protect yourself against the irrevocable 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.

• Never strike or apply strong pressure to the display.
• 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.
• Use only the specified expression pedal. By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit.
• 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.

Caution Regarding Radio Frequency Emissions

• The following actions may subject you to penalty of law.
  • Disassembling or modifying this device.
  • Removing the certification label affixed to the back of the device.

Intellectual Property Right

• It is forbidden by law to make an audio recording, video recording, copy or revision of a third party’s copyrighted work (musical work, video work, broadcast, live performance, or other work), whether in whole or in part, and distribute, sell, lease, perform, or broadcast it without the permission of the copyright owner.
• Do not use this product for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this product.

• The copyright of content in this product (the sound waveform data, style data, accompaniment patterns, phrase data, audio loops and image data) is reserved by Roland Corporation.
• Purchasers of this product are permitted to utilize said content (except song data such as Demo Songs) for the creating, performing, recording and distributing original musical works.
• Purchasers of this product are NOT permitted to extract said content in original or modified form, for the purpose of distributing recorded medium of said content or making them available on a computer network.
• This product contains eParts integrated software platform of eSOL Co., Ltd. eParts is a trademark of eSOL Co., Ltd. in Japan.
• The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Roland is under license.
• This Product uses the Source Code of μT-Kernel under T-License 2.0 granted by the T-Engine Forum (www.toron.org).
• This product is using the Jansson (http://www.digip.org/jansson/) source code.

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• Company names and product names appearing in this document are registered trademarks or trademarks of their respective owners.

CAUTION
Evaluate safety issues before using stands
Even if you observe the cautions given in the owner’s manual, certain types of handling may allow this product to fall from the stand, or cause the stand to overturn. Please be mindful of any safety issues before using this product.

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.
• Remove the music stand.

Do not place in a location that is unstable
When using the unit with a stand recommended by Roland, the stand must be carefully placed so it is level and sure to remain stable. If not using a stand, you still need to make sure that any location you choose for placing the unit provides a level surface that will properly support the unit, and keep it from wobbling.

Precautions regarding placement of this unit on a stand
Be sure to follow the instructions in the Owner’s Manual carefully when placing this unit on a stand (p. 2).
If it is not set up properly, you risk creating an unstable situation which could lead to the unit falling or the stand toppling, and may result in injury.

Placement

• Do not place in a location that is unstable which could lead to the unit falling or the stand toppling, and may result in injury.

If it is not set up properly, you risk creating

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. 24).

Use only the stand that is recommended
This unit should be used only with a stand that is recommended by Roland.

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.

Do not place in a location that is unstable which could lead to the unit falling or the stand toppling, and may result in injury.

If it is not set up properly, you risk creating