

Roland Digital Piano **Owner's Manual**

2-90)

7-60X

Look What You Can Do with the FP-90X/FP-60X

Play the Piano	
Play various sounds This unit contains a wide variety of tones (sounds). You can freely select and perform using these tones.	page 8
Play two layered tones (Dual Play)	page 9
Play different tones with your left and right han You can divide the keyboard into left and right zones, a	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 appropria	page 8
You can save the settings related to your performance	and recall them up anytime, easily.
Add vocals to your performance You can connect a microphone (sold separately) to the You can even add effects to your vocals.	page 22 this unit and add your voice to your performance.
Convenient Functions	
Record your performances You can record your own keyboard performance, and t	page 18
Bluetooth function You can use the Bluetooth -compatible app "Roland Pi	page 12 ano App" or play back audio from your smartphone.
Personalize your piano (Piano Designer)	page 21

You can customize the individual sound characteristics of the piano sound to create the perfect tone for your performances.

Download these smartphone/tablet apps and use them

Download the apps with your piano. ⊂Roland Piano Designer

This app lets you view sheet music in digital form, practice songs as if you were playing a game, or keep a record of your practicing.

This app lets you customize the piano sound to your taste.

Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (leaflet "USING THE UNIT SAFELY" and Owner's Manual (p. 32)). After reading, keep the document(s) including those sections where it will be available for immediate reference.

Roland Piano App



iOS/iPadOS

Android

A Placing This Unit on a Stand

For the FP-90X

Be careful not to pinch your fingers when setting up the stand. Please use one of the following Roland stands to support your FP-90X: KSC-90, KS-G8B, KS-10Z, KS-12 or KS-20X. Refer to the following when using a stand.

KSC-90

Refer to the KSC-90 Owner's Manual.





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Main Specifications

	FP-90X	FP-60X		
Sound generator	Piano Sound: PureAcoustic Piano Modeling	Piano Sound: SuperNATURAL Piano		
Keyboard	PHA-50 Keyboard: Wood and Plastic Hybrid Structure, with Escapement and Ebony/Ivory Feel (88 keys)	PHA-4 Standard Keyboard: with Escapement and Ivory Feel (88 keys)		
Bluetooth	Bluetooth Ver 4.2 Supported profiles: A2DP (Audio), GATT (MIDI over Bluetooth Low Energy) Supported codec: SBC (compatible with SCMS-T content protection)			
Power Supply	AC adaptor			
	40 W (When using the included AC adaptor)	25 W (When using the included AC adaptor)		
Power consumption	 * Approximate power consumption when playing the piano at medium volume: 14 W (FP-90X), 5W (FP-60X) 			
	 Power consumption when sound has not been played after power-on: 12 W (FP-90X), 4W (FP-60X) 			
	Detached music rest:	Detached music rest:		
	1,340 (W) x 390 (D) x 136 (H) mm	1,291 (W) x 344 (D) x 126 (H) mm		
Dimensions	52-15/10 (W) x 15-5/6 (D) x 5-5/6 (H) Inches	EP-60X with KSC-72 and music rest		
	1,340 (W) x 418 (D) x 932 (H) mm	1 291 (W) x 382 (D) x 939 (H) mm		
	52-13/16 (W) x 16-1/2 (D) x 36-3/4 (H) inches	50-7/8 (W) x 15-1/16 (D) x 37 (H) inches		

Roland FP-90X, FP-60X: Digital Piano

	FP-90X	FP-60X	
	23.6 kg, 52 lbs 1 oz	19.3 kg, 42 lbs 9 oz	
Weight	(FP-90X with music rest)	(FP-60X with music rest)	
weight	37.8 kg, 83 lbs 6 oz (FP-90X with KSC-	33.0 kg, 72 lbs 13 oz (FP-60X with KSC-	
	90, KPD-90, and music rest)	72, KPD-90, and music rest)	
Accessories	Owner's Manual, Leaflet "USING THE UNIT SAFELY," AC adaptor, Power cord,		
Accessories	Music rest, Damper pedal (DP-10, capable of continuous detection)		
	Dedicated stand: KSC-90	Dedicated stand: KSC-72	
	Dedicated pedal board: KPD-90		
	Keyboard stand: KS-G8B, KS-10Z, KS-12, KS-20X		
	Pedal unit: RPU-3		
Options	Damper pedal: DP series		
	Pedal switch: DP-2 (Cannot use for Damper/R.)		
	Expression pedal: EV-5		
	Carrying Bag: CB-88RL		
	Headphones		

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

Attaching the Music Rest



- 1. Loosen the attachment screws.
- 2. Fit the cut-outs of the music rest onto the attachment screws.
- 3. Firmly tighten the attachment screws.



Insert the music rest into the slit on the top of the piano.

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rane

Headphone Jacks

This is where you operate the unit.

page **8**

[්) button

Turning On the Power

* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

1

1. Move the [Volume] slider all the way down to minimize the volume.



2. Hold down the [0] 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 [\emptyset] button until the display shows "Don't disconnect the power."

The unit is turned off.

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. 28).

- 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.
- To restore power, turn the power on again.

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



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.

On an acoustic piano, when you step on the damper pedal, you'll first hear the sound of the dampers releasing the strings.

The illustration

shows the FP-90X.

Then, you should also be able to hear the sound of strings adjacent to the ones for the notes actually played resonate sympathetically, resulting in a rich, resounding tone.

Additionally, when using half-pedaling techniques, the core of the sound disappears rapidly while a rich, spacious resonance remains, producing a unique form of reverberation. On the unit, the unique, lingering tones produced by the half-pedaling technique are reproduced in addition to released-string sounds (Damper Noise) and resonating sounds (Damper Resonance).

With the damper pedal on an acoustic piano, when you step on the pedal it will at first offer only a slight amount of resistance, but as you press down further it will start to feel much heavier. On KPD-90, this change in the feeling of resistance is simulated.

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 plano. The softness of the tone can be varied subtly by the depth to which you press the pedal.

RPU-3 (sold separately)

KPD-90 (sold separately)

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



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Deutsch

Français

Español

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Panel Descriptions

Rear Panel

Connect pedals and USB flash drive.

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



*1 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.

USB Computer port

Here you can connect your computer via a USB cable (sold separately). If your computer is connected, performance data and audio signals can be transferred between the piano and sequencer software (sold separately) on your computer, allowing you to produce or edit music.

2 USB Memory port

You can use USB flash drives (sold separately) to do the following.

- Play WAV files, MP3 files, and standard MIDI files (SMF files) copied from your computer.
- Make audio recordings of your Piano
- Export/Import a registration set.
- Never turn off the power or disconnect a USB flash drive or the power cord while the screen indicates "Executing ..."

B 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.

Basic Operations

On this piano, you can use the buttons of the operating panel to make various function settings.



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.



5 Speaker [Off/On] switch

Turns the piano's speakers on or off.

6 Mic Input jack

Connect the dynamic microphone (sold separately) here. This is a 1/4" phone (unbalanced) jack.

7 Mic [Gain] knob

Adjust the microphone's gain.

8 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.

9 Output R, L/Mono jacks

You can output the sound of piano to amplified speakers.

10 MIDI Out/In jacks FP-90X

Connect MIDI devices here. You can record your piano performance as MIDI data on a MIDI device, or use MIDI data from a MIDI device to play the piano.

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👌 Operation Guide

Selecting a Tone (Si In addition to piano sour sounds. These sounds are called which is assigned to a di Tone groups	ngle) nds, the unit lets you enjoy po "Tones." The Tones are divideo fferent Tone button.	erforming with many other I into five groups, each of	Basic operations Select a setting item Press the [-] [>] buttons. Edit a value Press the [-] [+] buttons. Restore the default value Press the [-] [+] buttons simultaneously. Cancel an operation Press the [Exit] button.
[Piano] button [E. Piano] button [Organ] button [Strings/Pad] button [Synth/Other] button MEMO When playing a ton you can adjust the current Tone butto	Allows you to select va including grand piano Allows you to select va used in pop or rock. Allows you to select or If you've selected a tor applied, pressing the [speed of the rotary eff Allows you to select so in an orchestra, mainly violins, as well as synth Allows you to select so synthesizers, as well as well speed of the modulation n and pressing the Tempor	rious historical instruments, s, or harpsichords. rious electric piano sounds gan tones. te to which the rotary effect is Organ] button will switch the ect. unds of instruments used string instruments such as pad sounds. inds that are unique to rocal and GM2 sounds. as a vibrating quality, by holding down the o [Slow] [Fast] buttons.	 To select a tone 1. Press a tone button (e.g., [Piano]) and then use the [-] [+] buttons. Viewing the display 1: Concert Piano Tone name Tone na
Changing the Keyb When using Split Play or When using Normal (Single) Play When using Split Play When using Dual Play	Oard Volume Balance Dual Play, you can adjust the [Lower] slider Not used Adjusts the volume of the region below the split point. Adjusts the volume of tone 2.	(Part Volume) keyboard's volume balance. [Upper] slider Adjusts the volume of the keyboard. Adjusts the volume of the region above the split point. Adjusts the volume of tone 1.	By pressing the [Dual/ Split] button, you can sequentially cycle between "Single,""Split," and "Dual."
Adjusting the Overa You can adjust the speak internal speakers, or the headphones are connect	all Volume ker volume when using the headphone volume when ted.	Adjusting the To Use these sliders to Mid, and High frequ	boost or cut the sound in the Low, lency ranges. page 26
Adjusting the Ambi 1. Press the [Ambie FP-60X 1-2. Press the [Fu 2. Use the [◄] [►] bu This lets you chang 3. Use the [-][+] but This lets you adjust sound. MEMO FP-60X You can select whe sound heard in hea	ience (Ambience) nce] button. nction] (Enter) button. uttons to select the "amb ge the acoustical characte tons to specify the "amb t the acoustical character ether to add the acoustica adphones (Headphones 3	page 16 ience type." r of the sound. ience depth." (ambience) of the I character of the D Ambience) (p. 16).	 Transposing Your Performance (Transpose) The keyboard 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." While holding down the [Transpose] button, press the [-] [+] buttons. The display will indicate the amount of transpose] button once again. The [Transpose] button will go out. Kbd Transpose Kbd Transpose

Operation Guide

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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.		
The following settings can be operated when the Split screen is shown.			
Changing the right-hand tone and left-hand tone (Right Tone/Left Tone)	 Use the [◄] [▶] buttons to select "right-hand tone" or "left-hand tone." Press a tone button. Use the [-] [+] buttons. 		
Changing the sprit point (Split Point)	 Use the [◄] [▶] buttons to select "Split Point." Use the [-][+] buttons to specify the value. 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. 		
	B1–B6 (default value: F#3)		
Changing the octave of the right-hand tone and left-hand tone	 Use the [◄] [►] buttons to select "Right Shift" or "Left Shift" Use the [¬[+] buttons to specify the value 		
(Right Shift/Left Shift)	-3-0-+3 (default value: 0)		

Left-hand tone

Recalling Performance Settings (Registration) You can use the registration feature to save the current

performance settings into a "registration" that you can recall

By switching the registration, you can instantly recall saved settings.

2. Press one of the number buttons, from [1] to [5], to select the

3. Press the [-] [+] buttons to select the registration variation.

Depending on the combination of tones, the effect might not apply to the lefthand tone, causing the sound to appear differently than usual.

* If you select a sound from the [Piano] button as the left-hand tone, it might sound different than usual.

Right-hand tone

Layering two tones (Dual)			
You can play two tones simultaneously from a single key. This function is called "Dual Play."			
	Press the [Split/Dual] button several times to access the Dual screen.		
Turning Dual Play on	MEMO You can also use Dual Play by pressing two tone buttons simultaneously.		
The following settings can be	operated when the Dual screen is shown.		
Changing tone 1 and	1. Use the [◀] [▶] buttons to select "tone 1" or "tone 2."		
(Tone 1/Tone 2)	2. Press a tone button.		
(Tone 1/Tone 2)	3. Use the [-] [+] buttons.		
Changing the octave of	 Use the [◄] [▶] buttons to select "Tone 1 Shift" or "Tone 2 Shift." 		
(Tange 1 Chiff (Tange 2 Chiff)	 Use the [–][+] buttons to specify the value. 		
(Tone T Shift/Tone 2 Shift)	-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.

Reading the note name (e.g., C4)

The alphabetical indication for settings such as Split Point shows the name of the note. In solfege, A = Ia, B = ti, $C = do \dots G = so$. For example, the indication "C4" means "the fourth 'C' from the left edge of the keyboard." TTTTT C1 C2 C3 C4 C5 C6 C7 C8

简体中文

3. Use the [-] [+] buttons and the [4] [>] buttons to give a name to the

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4. Press the [Function] button to save.

select a registration variation.

Saving current settings into a registration

1. Set the desired performance settings.

MEMO

whenever you wish.

registration.

registration.

Recalling a registration

1. Press the [Registration] button.

For details on the settings that can be stored, refer to "Saved Settings" (page 30).

2. While holding down the [Registration] button, press a button from [1] to [5] to select a registration and then press the [-] [+] buttons to

<u>Selecting a Favorite Performance Environment (My Stage)</u>

By selecting My Stage, you can enjoy your favorite piano and performance environment in your own home. This function reproduces the sound and resonance that you would experience when playing an ideally-matched grand piano in various environments such as a concert hall, church, or rehearsal studio.

Selecting a My Stage

- 1. Press the [My Stage] button.
- 2. Use the [-][+] buttons to select the desired performance environment.

MEMO

You can save your favorite My Stage settings in a registration (p. 23).

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Operation Guide



Operation Guide



1. Press the [Song] button to access the song screen. Explanation Category Category Preset Songs Songs built into the piano **USB** Memory Songs saved on a USB flash drive reset Songs <u>Nocturne</u> No-**Internal Memory** Songs saved in internal memory NOTE Song name Tempo Time signature Measure When the SMF Play Mode (p. 27) is set to "Auto-Select" or "Internal," there are some parts whose volume is not affected by the [Song Vol.] slider (on the FP-60X, the function mode setting "Song Vol."). If the SMF Play Mode is set to "External," the 2. Press the [] [] buttons to select a category. 3. Press [-] [+] buttons to select a song. volume of all parts will change. 4. Press the [►/■] button to play the song. MEMO To select a song from a folder on a USB flash drive, proceed as follows. Use the [-] [+] buttons to select the folder, and To open a folder press the [►/■] button. Song formats that can be played by the unit Use the [-] button to select " (up)" and then press To close a folder the [►/■] button. The unit can play back data in the following formats. Song format Explanation **MIDI** files SMF format 0/1 WAV format, 44.1 kHz, 16-bit linear Audio files MP3 format, 44.1 kHz, 64 kbps-320 kbps Roland Roland Playing Back or Recording Using a Mic (Mic) Here's how to play back or record a song. You can connect a mic to the this unit and mix the sound of its performance with the sound from the mic. p. 19 Play/stop p. 22 1. Press the [►/■] button. Return to the beginning of the song 1. Press the [I◄] button. FP-90X Adjusting the Volume of the Song 1. Use the [Song Vol.] slider to adjust the volume of the song. Change the song tempo This adjusts the volume of the song (SMF/audio). 1. Use the Tempo [Slow] [Fast] buttons to change the tempo. Adjusting the Volume of the Song FP-60X Record p. 18 This adjusts the volume of the song (SMF/audio). 1. Select the tone that you want to play. 1. Press the [Function] button. 2. You can sound the metronome if you like. 2. Use the [◄] [►] buttons to select Song Vol. You can specify the tempo and time signature of the metronome. The 3. Use the [-][+] buttons to adjust the volume. metronome's tempo and time signature settings are stored in the song, so that the metronome plays correctly even when you play back the song. 3. Press the [●] button. Some of the tones used in the tone demo are set to be The [●] button lights, the [►/■] button blinks, and the unit enters recordadjusted by the Part [Upper] [Lower] slider. If you want to use standby mode. the [Song Vol.] slider (on the FP-60X, the function mode setting If you decide to cancel recording, press the [•] button once again. "Song Vol.") to adjust all of the parts, change SMF Play Mode (p. 27) to "External." 4. Press the [►/■] button to start recording. 5. Press the [►/■] button to stop recording.

Category list

Selecting a Song

Access the song screen, and select a song.

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Connecting the Piano and a Mobile Device via **Bluetooth**

Here's What You Can Do

By using the **Bluetooth** function, you can wirelessly connect the piano with a mobile device such as your smartphone or tablet, allowing you to do the following things.

Music played back by the mobile device can be heard through the piano's speakers.

A song played back on your mobile device can be heard wirelessly through the piano's speakers. You can also play the piano along with the song that's being played back.



You can use apps to expand your piano enjoyment.

You can install apps (such as Roland's "Roland Piano App" or "Piano Designer") on your mobile device, and use them in conjunction with the piano.

→ "Using the Piano with an App (Bluetooth MIDI)"



Roland Piano App



Piano Designer



 The pairing process

 Separate pairing is required for "playing music through the piano's speakers" and for "using the piano with an app." Note that these processes are different.

 Playing music through the piano's speakers
 Using the piano with an app."

 Playing music through the piano's speakers
 Using the piano with an app."

 Image: Settings on the piano
 Image: Settings on the mobile device

 Image: Settings on the mobile device
 Image: Settings on the App

* If pairing is not successful, refer to If Pairing Does Not Succeed in "Using the Piano with an App" (p. 15).



😢 Bluetooth

Connecting the Piano and a Mobile Device via Bluetooth

Playing Music Through the Piano's Speakers (**Bluetooth** Audio)

A song played back on your mobile device can be heard wirelessly 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. 13).

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.

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You can also initiate pairing by long-pressing the [Function] button instead of performing steps 2–4.

2. Long-press the [Function] button.

When the display indicates "Now Pairing...," proceed to step 5.

2. Press the [Function] button, and then use the [◄] [►] buttons to select "Bluetooth."

Function .	1/40
Bluetooth	
Er	nter®m

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



4. Use the [◀] [▶] buttons to select "**Bluetooth** Pairing," and then press the [Function] (Enter) button.

The display indicates "Now pairing...," and the piano waits for a response from the mobile device (pairing start).



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

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

Settings Bluetooth



6. Tap "FP-90X Audio" or "FP-60X Audio" that is shown in the **Bluetooth** device screen of your mobile device.

	Bluetooth
	Now discoverable as
	DEVICES
C	FP-90X Audio

* If the mobile device's screen asks you to enter a "Pass Key," enter "0000" (four zeros).

The piano and mobile device are paired. When pairing is completed, a display like the following appears.

Mobile	"FP-90X Audio" or "FP-60X Audio" are added in the "My Devices"		
uevice	The "ALIDIO" is shown beside the Bluetooth symbol		
Piano	A Bluetooth Pairing Completed		

7. 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.

MEMO

If you were unable to establish a connection using the procedure above, tap "FP-90X Audio" or "FP-60X 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 **Bluetooth** 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. 13).
- Use the [◄] [►] buttons to select "Input/Bluetooth Vol.," and use the [-] [+] buttons to adjust the volume.



To pair your device with multiple pianos

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

- * 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-90X Audio1).
- 1. Perform steps 2–3 of "Making Initial Settings (Pairing)" (p. 13).
- 2. Use the [◄] [▶] buttons to select "Bluetooth ID."

	Bluetooth II)
-]	0	(+)
8	ExitExit	

3. Use the [-] [+] buttons to edit the value of the setting.

Value	Explanation
0–99	Set to "0": "FP-90X Audio" "FP-90X MIDI" (default value) Set to "1": "FP-90X Audio 1" "FP-90X MIDI 1"

Value	Explanation	
0–99	Set to "0": "FP-60X Audio" "FP-60X MIDI" (default value) Set to "1": "FP-60X Audio 1" "FP-60X MIDI 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). 简体中文

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Using the Piano with an App (Bluetooth MIDI)

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

Apps You Can Use with This Piano

App name	Supported OS	Explanation	
Roland Piano App	iOS iPadOS Android	This app lets you view sheet music in digital form, practice songs as if you were playing a game, or keep a record of your practicing.	
Piano Designer	iOS Android	This app lets you customize the piano sound to your taste. It provides touch-based editing within the app for the various elements of the sound in "Creating Your Own Piano Tone (Piano Designer)" (p. 21).	

- * Apps can be downloaded from the App Store or Google Play (free of charge). (free of charge)
- * In addition to the above, you can also use music apps (such as Garage Band) that are compatible with **Bluetooth** MIDI.
- * The information provided about apps made by Roland was current when this manual was published. For the latest information, refer to the Roland website.

Making Settings (Pairing)

You can make settings for using the piano together with an app that's installed on your mobile device. As an example, we'll explain the procedure for using an iPad with the "Roland Piano App" app.

* In the case of "using the piano with an app," settings on the piano are not necessary. Perform operations in the app to pair it with the piano.

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



NOTE

Even if the "DEVICES" field shows the name of the device you're using (such as "FP-90X MIDI"), do not tap it.

- 2. Start the app that you installed on your mobile device.
- 3. Tap "Connect piano".

4. Tap either "FP-90X MIDI" or "FP-60X MIDI" depending on the unit that you're using.

	0
Great! Pianos found	
Tap on your plano's name to connect.	
FP-90X MIDI	

When "Bluetooth Pairing Request" is shown, tap "Pair".

,	Bluetooth " " woul	Pairing d like to iPad.	g Reques	i t our
	Cancel		Pair	>

The piano and mobile device are paired. When pairing is completed, a display like the following appears.

Mobile	"Connected with FP-90X MIDI" or "FP-60X MIDI" appears in the		
device	"Connection" area at the top of the app screen.		
Piano	The "MIDI" is shown beside the Bluetooth symbol		

Settings are now complete.

MEMO

When connecting to a mobile device for which you've initialized the settings, the device automatically connects when you launch the app. The connection may take several seconds.

* If the piano doesn't connect with your mobile device, tap "Connection" at the top of the app screen, and then tap "Connect to Piano".



If Pairing Does Not Succeed in "Using the Piano with an App"

If pairing is not successful in "Using the Piano with an App" (p. 14), try steps 1-4 below.

Make sure that the piano's Bluetooth function is "On."

- 1. Press the piano's [Function] button.
- 2. Use the [◄] [▶] buttons to select "Bluetooth."
- **3.** Press the [Function] (Enter) button. The Bluetooth setting screen appears.
- 4. Use the [◄] [►] buttons to select "Bluetooth On/Off," and then use the [-] [+] buttons to turn it "On." The piano's Bluetooth function turns on.

5. Press the [Function] button. You exit function mode.

2 Exit all apps on your mobile device.

Closing the app

1. Double-click the home button, and swipe up on the app screen.



3 If already paired, cancel pairing, and turn off the Bluetooth function.

Clearing the pairing

1. In the mobile device's screen, tap the "i" located beside "Connected," and tap "Forget This Device."

Bluet	ooth
Bluetooth	
Now discoverable as	
MY DEVICES	\frown
FP-90X MIDI	
Forget This Devic	

2. Turn the Bluetooth switch off.



• Perform the pairing procedure of p. 14 from step

1.

MEMO

If checking these points does not solve the problem, please refer to the Roland support website.

https://www.roland.com/support/

简体中文

& Advanced Operation

Playing Various Tones

Selecting Your Preferred Performance Environment (My Stage)

"My Stage" is a function that lets you select your preferred piano and performance environment while at home. This function reproduces the sound and resonance that you would experience when playing in locations such as a concert hall, church, or rehearsal studio on a grand piano that's ideally matched for that location.

* The My Stage settings consist of the combination of "grand piano tone," "ambience (acoustics) type," and "ambience (acoustics) depth."

No.	FP-90X	FP-60X
1	Piano Recital	Piano Recital
2	At Hall Stage	At Hall Stage
3	Lakeside Studio	Lakeside Studio
4	Impressionists	Heritage Hall
5	Heritage Hall	Lounge Concert
6	Lounge Concert	Church Concert
7	Church Concert	Jazz Club
8	Jazz Club	Recording Studio
9	Medieval Salon	
10	Recording Studio	
11	Trad Opera House	
12	East Coast Hall	

1. Press the [My Stage] button to make it light.

2. Use the [-][+] buttons to select your preferred performance environment.



Play the keyboard to perform with the selected "My Stage" settings.

MEMO

You can press the [▶] button to hear a "My Stage" demo performance.

3. To exit the My Stage function, press the [My Stage] button to make it go dark.

Selecting the Type and Depth of Ambience

You can add acoustical ambience that is characteristic of a performance in a concert hall or cathedral. By changing the "Ambience Type" you can simulate the acoustics of a piano being played in a variety of locations.

When using headphones, the FP-60X lets you apply a headphone 3D ambience effect. The FP-90X features headphone acoustic projection technology that lets you experience a more three-dimensional sound field.

FP-90X

1. Press the [Ambience] button to make it light.



- 2. Use the [◀] [▶] buttons to select the "Ambience Type."
- 3. Use the [-][+] buttons to specify the "Ambience Depth."
- 4. When you are finished making settings, press the [Ambience] button once again to make it go dark.

FP-60X

1. Press the [Ambience] button to make it light. The ambience edit screen appears.



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

The ambience screen appears.



- 3. Use the [◀] [▶] buttons to select the "Ambience Type."
- 4. Use the [-][+] buttons to specify the "Ambience Depth." If you want to change the headphone 3D ambience, proceed as follows.
- **5.** Press the [Exit] button to return to the ambience edit screen.
- **6.** Use the [▶] button to select "Headphones 3D Ambience," and then use the [–][+] buttons to specify the "On/Off" setting.
- 7. When you are finished making settings, press the [Ambience] button once again to make it go dark.

	Selects the ambience that is characteristic of playing a piano in various locations.			
Ambience Type	* If you're using the FP-90X, you can choose the type of ambience when a tone of the PureAcoustic Piano sound engine is selected (p. 31).			
	FP-90X	Studio, Lounge, Concert Hall, Wooden Hall, Stone Hall, Cathedral		
	FP-60X	Studio, Lounge, Concert Hall, Cathedral		
Ambience Depth	Adjusts the depth of the sound's ambience. Higher settings produce deeper ambience, and lower settings produce less ambience.			
	0–10			
	You can apply a Headphones 3D Ambience effect that creates the impression that the sound is being heard from the piano itself even when you're using headphones.			
Headphones 3D Ambience FP-60X	 * The effect is applied if "Concert Hall" is selected as the ambience type and a tone of the "SuperNATURAL Piano sound engine" is selected (p. 31). * The reserve the section offset is not applied to audio flor. 			
	Off, On (default value: On)			

MEMO

If you store your preferred My Stage settings as a "registration," you'll be able to recall them any time you like (p. 23).

Practicing with the Metronome

You can practice while hearing a metronome.

1. Press the [Metronome] button to make it light. The metronome sounds.

MEMO

If a song is playing, the metronome sounds at the tempo and time signature of that song.

2. To change the tempo, use the Tempo [Slow] [Fast] buttons.

Tempo range 10–500

3. To stop the metronome, press the [Metronome] button once again to make it go dark.

Changing the Settings for Metronome

Change the following settings while the [Metronome] button is on.

- Use the [◄] [▶] buttons to access the parameter that you want to edit.
- **2.** Use the [–][+] buttons to specify the value.

Tempo Coach	Uses the Tempo Coach function (p. 17).			
	Changing the metronome's volume			
Metronome Volume	Off, 1–10 (default value: 5)			
	Changes the tone of the metronome.			
Metronome Tone	Click, Electronic, Voice (Japanese), Voice (English) (default value: Click)			
Beat	Changes the time signature of the metronome.			
beat	2/2, 3/2, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 8/8, 9/8, 12/8 (default value: 4/4)			
N.I. D. D. I	Sounds a downbeat.			
Metronome Down Beat	Off, On (default value: On)			
	Changes the pattern of the metronome.			
Metronome Pattern	Off, Eighth note, Eighth-note triplet, Shuffle, Sixteenth note, Quarter-note triplet, Quarter			
	note, Dotted eighth (default value: Off)			

Sounding a Click Tone in Synchronization with the Song Tempo (Auto Tempo)

The auto tempo function sounds a click tone (metronome sound) in synchronization with the tempo of an audio song being input from an external source. This is very convenient when you want to practice along with an audio song while also hearing a click.

- Even if you don't know the tempo of the original song, the tempo is automatically detected and the click is synchronized.
- Even if the original song does not contain drums or other rhythm instruments, the tempo can be detected, and the click used instead of a rhythm performance.

The auto tempo function can be used with a song that is being played in the following three situations.

- A song played back by a Bluetooth-connected mobile device (p. 13)
- A song played back by an audio player connected to the Input Stereo jack (p. 6)
- A song played back by player software on a computer that's connected to the USB Computer port (p. 6)

In advance, connect your mobile device or computer to the piano using the appropriate connection for your situation (via **Bluetooth**, an audio cable, or a USB cable).

1. Play back a song from your external device. The song is heard from the piano's speakers.

2. While the song plays, long-press the [Metronome] button.

Auto tempo turns on, and a click tone is heard in synchronization with the tempo of the song.

Go ahead and perform in time with the song and the click tone.

MEMO

Even in the middle of the song, you can once again long-press the [Metronome] button and update the tempo as many times as you like.

3. To stop using auto tempo, press the [Metronome] button to make it go dark.

Detecting the Tempo of Your Own Performance (Tempo Coach)

By using the tempo coach function, you can ascertain the tempo of the current keyboard performance.

You can operate the tempo coach setting when the [Metronome] button is on.

Use the [◄] [►] buttons to make the display indicate "Tempo Coach."



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

The tempo coach screen appears, and the metronome stops.

	Tompo Copoh
	Plau Keuboardi
	r tag nogboar a:
EXI ET	

3. Play a song on the piano.

The tempo of the played song is detected, and the performance tempo is displayed.

MEMO

When you play a song, the tempo can be detected more accurately if you play using both hands than if you play using one hand.

4. Press the [Exit] button.

You exit the tempo coach screen.

MEMO

By pressing the [Metronome] button you can sound the metronome at the detected tempo.

Dividing the Keyboard for Two People (Twin Piano)

You can divide the keyboard into left and right areas so that two people can play the same range of pitches. One person can play a model performance, and the other person can practice along with that model performance. You can also change the way (Mode) in which notes are sounded in Twin Piano.

- If you select some tones, it sounds different than usual.
- 1. Press the [Function] button, and then use the [◄][►] buttons to select "Twin Piano."
- 2. Use the [-][+] buttons to turn twin piano "On."
- 3. Press the [Exit] button.

The Twin Piano screen appears.



- **4.** Use the [◀] [▶] buttons to access the parameter that you want to edit.
- 5. Use the [-][+] buttons to specify the value.

Tone	Selects the tone used when playing Twin Piano.		
Mode	Selects how notes are heard when playing Twin Piano.		
	Pair	The sound will be heard from the right as you pla toward the right of the keyboard, and from the left as you play toward the left.	
	Individual	Notes played in the right area will be heard from the right speaker, and notes played in the left area will be heard from the left speaker.	

6. When you are finished using Twin Piano, press the [Function] button to return to the "Twin Piano (On/Off screen)," and return it to "Off."

7. Press the [Exit] button several times to exit function mode.

简体中文

Recording Your Performance

It's easy to record your own performances. You can play back a recorded performance to check your playing, or play along with a recorded performance.

Type of recording				
SMF recording	The performance is recorded as MIDI data. SMF format 0			
• Audio recording	Your performance will be recorded as audio data. WAV format, 44.1 kHz, 16-bit linear			
	* In order to use audio recording, you must connect a USB flash drive (sold separately) to the USB Memory port.			

SMF Recording

Recording a New Song



1. Select the tone that you want to play (p. 8).

2. You can sound the metronome if you like (p. 16).

You can specify the tempo and time signature of the metronome.

MEMO

The metronome's tempo and time signature settings are stored in the song, so that the metronome plays correctly even when you play back the song.

3. Press the [•] button.

The $[\bullet]$ button lights, the $[\blacktriangleright/\blacksquare]$ button blinks, and the unit 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.

Recording starts after a one-measure count sounds.

When recording starts, the $[\bullet]$ button and $[\blacktriangleright/\bullet]$ button light.

MEMO

You can also start recording by playing the keyboard. In this case, a count is not sounded.

2. Press the [►/■] button.

Recording stops, and your performance is automatically saved.

MEMO

- You can change the name of the song (p. 19).
- You can delete the song (p. 20).

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

If you audio-record your performance, you'll be able to listen to it on your computer or audio player, use it to create a music CD, or publish it on the Internet.



Preparing to Record



- 1. Connect your USB flash drive to the USB Memory port (p. 6).
- * Audio data can't be stored in internal memory.
- 2. Select the tone that you want to play (p. 8).
- 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. 27).

4. Press the [●] button.

The $[\bullet]$ button lights, the $[\blacktriangleright/\bullet]$ button blinks, and the unit enters record-standby mode.

If you decide to cancel recording, press the $[\bullet]$ 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. 16).

English

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盟 本 国

Deutsch

Français

Italiano

Starting your recording and saving it



1. Press the [►/■] button.

Recording starts.

When recording starts, the $[\bullet]$ button and $[\blacktriangleright/\bullet]$ button light.

2. Press the [►/■] button.

Recording stops, and your performance is automatically saved.

- You can change the name of the song (p. 19).
- You can delete the song (p. 20).

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.

Converting an SMF-recorded song to audio

A song recorded as SMF can be re-recorded as audio so that you can play it back on your computer.

1. Select the song that you want to convert to audio (p. 11).

- 2. Prepare for audio recording ("Preparing to Record" (p. 18)). 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 [▶] button to select the song of step 1.
- Press the [▶/■] button to start audio recording ("Starting your recording and saving it" (p. 19)).
- * During recording, any sounds that you produce by playing the keyboard or that are input to the unit via the Mic Input jack, 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.

Convenient Functions for Song Playback

When playing back a song, you can use the following functions.

Play all songs in the selected category (All Song Play)	Hold down the [Song] button and press the $[\blacktriangleright/\blacksquare]$ button.
Change the song tempo	Press the Tempo [Slow] [Fast] button.
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.

*1 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 You can change the number of measures that are sounded as a count (p. 27).

Renaming a Song (Rename Song)

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

- Press the [Function] button, and then use the [◄] [►] buttons to select "Rename Song."
- **2.** Press the [Function] (Enter) button. The Rename Song screen appears.

Rename Sor	ng - Media
🗉 Internal	Memory 🛨
xitExit	Enter

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

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

Rename	Song -	Song
⊟1: SONG	_001.MID	+
exitExit	E	nter‱

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

6. Rename the song.

Select the character to change	Press the [◀] [▶] buttons.
Change the character	Press the [-] [+] buttons.
Insert one character	Press the [►/■] button.
Delete one character	Press the [•] button.

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

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

A confirmation mes	sage appears.
Are you	u sure?
No	Yes 🕨
ExitExit	EnterPunc

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

- 8. Use the [▶] 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.

Español

Advanced Operation

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.
- Press the [Function] button, and then use the [◄] [►] buttons to select "Copy Song."

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

The Copy Song screen appears.

Copy Song	-	Media
🖃 Internal	÷	USB 🛨
exit Exit		Enter 🚥

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

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



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

If you decide to cancel, press the [Exit] (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 [▶] button to select "Yes," and then press the [Function] (Enter) button.

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

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. 25).
- 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.
- Press the [Function] button, and then use the [◄] [►] buttons to select "Delete Song."
- 2. Press the [Function] (Enter) button.

The Delete Song screen appears.

🛛 Delete Son	g - Media
😑 Internal	Memory 🖸
exitExit	Enter

- **3.** Use the [-] [+] buttons to select the memory location that contains the song you want to delete.
- 4. Press the [Function] (Enter) button.



- 5. Use the [-] [+] buttons to select the song that you want to delete.
- **6.** Press the [Function] (Enter) button.

A confirmation message appears.

Are	e you	sure?	
< No)	Yes	
ExitExit		Enter	Func

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

7. Use the [▶] button to select "Yes," and then press the [Function] (Enter) button.

The deletion is executed.

NOTE

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

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

MEMO

You can also delete a song by holding down the [•] button and pressing the [Exit] button.

Advanced Operation

Personalizing Your Piano Sound (Piano Designer)

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, the resonance produced using the pedals, and the sound of the hammers striking the strings. This function is called "Piano Designer."



MEMO

- The Piano Designer function can be used to personalize the sound only with "PureAcoustic Piano sound engine" tones on the FP-90X, and only with "SuperNATURAL Piano sound engine" tones on the FP-60X.
- The settings are saved for each tone.
- 1. Press the [Function] button, and then use the [◄] [►] buttons to select "Piano Designer."
- 2. Press the [Function] (Enter) button.

The Piano Designer screen appears.



- **3.** Use the [◄] [▶] buttons to select the item that you want to edit.
- **4.** Use the [-] [+] buttons to adjust the value.
- **5.** When you're finished using Piano Designer, press the [Exit] button.

A confirmation message appears.



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

6. Use the [▶] button to select "Yes," and then press the [Function] (Enter) button.

The Piano Designer settings are saved.

MEMO

If you decide to exit without saving the settings, use the [4] button to select "No" and then press the [Function] (Enter) button.

Piano designer parameters

* The parameters that can be edited differ between the FP-90X and the FP-60X.

Parameter	90X	60X	Value	Explanation
				Adjusts the extent to which the lid of the grand piano is open.
Lid	•	•	0-6	The sound will become more mellow as you close the lid of the piano in the screen. The sound will become brighter as you open the lid of the piano in the screen.
Key Off Noise	•	-	Off, 1–10	Adjusts the action noise that is heard when you release a key. Higher settings produce a louder action noise.
Hammer Noise	•	_	-5-0-+5	Adjusts the sound produced when the hammer of an acoustic piano strikes the string. Higher settings will produce a louder sound of the hammer striking the string.
Duplex Scale	•	_	Off, 1–10	Adjusts the sympathetic vibrations of an acoustic piano's Duplex Scale. Higher settings will make the sympathetic vibration louder.

Parameter	90X	60X	Value	Explanation
Full Scale String Res.	•	_	Off, 1–10	Adjusts the resonant sound of an acoustic piano (the sound produced by the strings of previously-pressed keys vibrating in sympathy with newly played notes, or the sound of other strings vibrating in sympathy with the notes you play while pressing the damper pedal). Higher settings produce louder sympathetic resonance.
String Resonance	-	•	Off, 1–10	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.
Damper Resonance	_	•	Off, 1–10	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
Key Off Resonance	•	•	Off, 1–10	vioration louder. Adjusts the resonance of the subtle sounds that occur when a key of an acoustic piano is released. A higher value produces a larger tonal change during the decay.
Cabinet Resonance	•	_	Off, 1–10	Adjusts the body resonance of the grand piano itself. Higher values will produce a larger body resonance.
Soundboard Type	•	-	1–5	Selects how the soundboard of the acoustic piano will resonate. You can choose from five different types of resonance.
Damper Noise	•	-	Off, 1–10	Adjusts the damper noise of the acoustic plan sound (the sound of the damper releasing the strings when you press the damper pedal).
Soft Pedal	•	-	1–10	Adjusts the depth of the effect that occurs when you press the soft pedal. With higher values, the change will be greater.
Single Note Tuning	•	•	-50-0-+50	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.
Single Note Volume	•	•	-50–0	Adjusts the volume of each key. Higher settings increase the volume.
Single Note Character	•	•	-5-0-+5	Adjusts the tonal character of each key. Higher settings produce a harder tone, and lower settings produce a softer tone.
Reset Setting	Here's how the Piano Designer settings of the selected sound can be returned to their factory-set state. 1. Press the [Function] (Enter) button. If you decide to cancel, press the [Fxit] button.			
	 Use the [▶] button to select "Yes," and then press the [Function] (Enter) button. The settings return to their factory-set state. 			
88-key setti 1. Select th Note Cha 2. Play the adjust th	ings ne Sing aracte key ti ne set	gle No er, and hat yo tings f	ote Tuning, press the u want to e for that key	Single Note Volume, or Single Function] (Enter) button. dit, and use the [–] [+] buttons to

You can use the [◀] [▶] buttons to move to a different 88-key parameter.

3. Press the [Exit] button to return to the previous screen.

What is the duplex scale?

The Duplex Scale is a system of sympathetically vibrating strings sometimes included in grand pianos.

These sympathetically vibrating strings are not struck directly with hammers, but sound by vibrating in sympathy with the vibrations of other strings. By resonating with the overtones, these strings add richness and brilliance to the sound. These sympathetic strings are added only to the high register above approximately C4. Since they do not have a damper (a mechanism that stops them from sounding), they will continue sounding even after you play a note and then release it to stop the sound of the string that was actually struck. Français

Using the Microphone

You can connect a dynamic microphone (sold separately) to the Mic Input jack and sing while playing.

Connecting a Microphone

Here's how to connect a microphone to the Mic Input jack.



- Move the [Mic Vol.] slider all the way down to minimize the volume.
- **2.** Connect the microphone to the Mic Input jack. The microphone input will turn on.
- **3.** If the sound of the mic is too weak or is distorted, turn the rear panel Mic [Gain] knob to adjust the volume of the mic.
- 4. Move the [Mic Vol.] slider to adjust the volume of the mic.
- * If the volume is excessive, you may hear noise from the speakers.



Applying an Effect to the Mic (Mic Effects)

Here's how to apply an effect to the sound of the mic.

FP-90X

1. Press the [Mic] button. The Mic Effects screen appears.



- 2. Use the [◄] [►] buttons to select the effect that you want to apply.
- 3. Use the [-] [+] buttons to switch the setting on/off.

FP-60X

- **1.** Press the [Function] button to make it light.
- 2. Use the [◀] [▶] buttons to select "Mic Effects."
- **3.** Press the [Function] (Enter) button.



- **4.** Use the [◄] [▶] buttons to select the effect that you want to apply.
- 5. Use the [-] [+] buttons to switch the setting on/off.

Adjusting the Mic Effect

Here's how to adjust how the effect is applied.

1. In the Mic Effects screen, press the [▶] button.

2. Adjust the effect.

Indication [◀] [▶] button	Value [-] [+] buttons	Explanation
Compressor Type	Soft, Normal, Hard	Specifies the amount of the effect that restrains the level in response to the audio input. Soft, Normal, and Hard settings produce a progressively greater effect.
Doubling Type	One Voice, Two Voice	Produces an effect as though a singing voice is layered multiple times.
Doubling Width	Light, Normal, Deep	Specifies the pitch difference between the layered voice and the original sound. Light, Normal, and Deep settings produce progressively greater pitch difference.
Doubling Level	0–10	Specifies the volume of the doubling effect.
Echo Type	1–7	Selects the type of echo.
Echo Level	0–10	Higher values produce greater reverberance.

Deutsch

Français

Italiano

Saving Performance Settings (Registrations)

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.

This unit has five registration buttons ([1]–[5]), and you can save nine different registrations under each button. This means that you can save as many as 45 registrations.

An entire group of 45 registrations is called a "Registration Set."



MEMO

- For more about the settings saved in a registration, refer to "Saved Settings" (p. 30).
- You can save registration sets to a USB flash drive (sold separately; p. 6).

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.



2. Press a number button ([1] to [5]) to choose the location where the desired registration is saved.



3. Press the [–] [+] buttons to select the registration variation.

The settings change accordingly.

MEMO

- You can also use a pedal to recall registrations (p. 28).
- You can reload registration sets that you've saved to a USB flash drive (p. 24).
- 4. Press the [Exit] button.

Saving Current Settings into a Registration

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

NOTE

When you save a registration into a location, it will overwrite any registration already stored at that location.



1. Make the desired performance settings.

2. Hold down the [Registration] button and press one of the [1]–[5] 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.



3. Rename the registration.

Select the character to change	Press the [◀] [▶] buttons.
Change the character	Press the [-] [+] buttons.
Insert one character	Press the [►/■] button.
Delete one character	Press the [•] button.

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

4. Press the [Function] (Store) button.

The performance settings are saved.

NOTE

Do not turn off the power while "Executing..." is displayed.

5. Press the [Exit] button.

MEMO

You can reset all registrations to their factory defaults. For details, refer to "Returning the Factory Settings (Factory Reset)" (p. 25).

Español

Advanced Operation

Saving a Registration Set (Registration Set Export)

Here's how the registration set that's saved in this unit 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.

2. Use the [◄] [►] buttons to select "Reg. Set Export."

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

The Reg. Set Export screen appears.



4. Renaming the registration set.

Select the character to change	Press the [◀] [▶] buttons.
Change the character	Press the [-] [+] buttons.
Insert one character	Press the [►/■] button.
Delete one character	Press the [●] button.

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

5. 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...."

6. 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 this unit.

* 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.
- 2. Use the [◀] [▶] buttons to select "Reg. Set Import."
- 3. Press the [Function] (Enter) button.
 - The Reg. Set Import screen appears.

	Reg.	Set	Import
= 1:	REĞ	_001	+
Exit F×	i†		Enter

- **4.** Use the [-] [+] buttons to select the registration set you want to load.
- **5.** Press the [Function] (Enter) button.

A confirmation message appears.

	Are	you	sure?
	No		Yes 🕨
Exi1	Exit		Enter®oos

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

6. Use the [▶] 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..."

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

Convenient Functions

Initializing the 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 songs to be returned to their factory-set state, execute a Factory Reset (p. 25).
- **1.** If you want to initialize a USB flash drive, connect the USB flash drive to the USB Memory port (p. 6).
- Press the [Function] button, and then use the [◄] [►] buttons to select "Format Media."
- 3. Press the [Function] (Enter) button.



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

 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] (Exit) button.

6. Use the [▶] button to select "Yes," and then press the [Function] (Enter) button.

The memory is formatted.

NOTE

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

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

Returning to 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.

MEMO

Executing this function does not erase the songs 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. 25).

 Press the [Function] button, and then press the [◄] [►] buttons to select "Factory Reset."

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

A confirmation message appears.



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

3. Use the [▶] button to select "Yes," and then press the [Function] (Enter) button.

The memory is reset to its factory values.

NOTE

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

4. Turn the power off, then on again (p. 5).

Retaining Settings After Power-Off (Memory Backup)

Temperament settings, equalizer settings, and other settings are reset to their default values when this unit is turned off.

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. 30).

 Press the [Function] button, and then use the [◄] [►] buttons to select "Memory Backup."

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

A confirmation message appears.

Ar	^e	you	sure?	
	ю		Yes 🕨	1
exit Exit			Enter®m	5

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

3. Use the [▶] button to select "Yes," and then press the [Function] (Enter) button.

Memory Backup will be carried out.

NOTE

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

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

Using USB

This unit can be USB-connected to a computer or similar device so that performance data (USB MIDI) and audio signals (USB Audio) can be transferred, allowing you to do the following things.

- A performance played on this unit can be recorded as MIDI data into sequencer software (sold separately).
- MIDI data sent from sequencer software can played by this unit.A performance played on this unit can be recorded as an audio signal into
- sequencer software.
- Music played back on your computer can be heard through the speakers of this unit.

MEMO

Since this unit's USB functionality uses the default USB driver of your computer, you don't need to install a dedicated USB driver.

Español

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Français

Italiano

Various Settings (Function Mode)

1. Press the [Function] button. The [Function] button lights, and the unit is in Function mode.

- 2. Press the [◄] [►] buttons to select the setting you want to change.
- * Depending on the item you select, an additional screen may be displayed.
- **3.** Press the [–] [+] buttons to adjust the value.
- 4. Press the [Exit] button to finish.

Indication [◄] [►] buttons	Parameter [-] [+]	buttons	Explanation		
Bluetooth	You can use a smartphone app via Bluetooth , or play back audio from your smartphone. Refer to "Connecting the Piano and a Mobile Device via Bluetooth " (p. 12).				
	Adjusting	the Keybo	ard Response (Key Touch)		
Key Touch	The way in which	n the keyboard r	esponds to your playing strength can be adjusted to your personal taste.		
	Fix, 1–100		Higher values will make the keyboard feel heavier.		
			IT you've specified "Fix, notes will sound at the same volume regardless of now strongly you play the keyboard.		
	Matching	the Pitch N	with Other Instruments (Master Tuning)		
Master Tuning	The reference pitch generally refers to the pitch of the note that's played when you finger the middle A key. For a cleaner ensemble sound while				
	performing with 415.3 Hz-440.0 H	one or more otl Iz–466.2 Hz	ner instruments, ensure that each instrument's standard pitch is in tune with that of the other instruments.		
	Changing	the Tuning	g Method (Temperament)		
	You can play clas	sical styles such	as Baroque using historic temperaments (tuning methods).		
	Most modern son but when classic tuning lets you e	ngs are compos al music was co njoy the sonorit	ed and played with the assumption that equal temperament (the most common tuning in use today) will be used, nposed, there were a wide variety of other tuning systems in existence. Playing a composition with its original ies of the chords that the composer originally intended.		
	Equal		This temperament divides the octave into twelve equal steps. It is the temperament that is most commonly used on today's pianos. Every interval has the same slight amount of dissonance.		
	Just Major		In these temperaments, the primary triads are perfectly consonant. It is unsuited to playing melodies and cannot		
	Just Minor		be transposed, but is capable of beautiful sonorities. The Just tunings differ from major and minor keys.		
Temperament	Pythagorean		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.		
	Kirnberger I		when playing songs that are written in keys appropriate for this tuning.		
	Kirnberger II		This is a revision of Kirnberger I that reduces the limitations on the usable keys.		
	Kirnberger III		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 recorate in diverse ways when compared to equal temperament.		
	Meantone		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.		
	Werckmeister		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 (IIII))		
	Arabic		This scale is suitable for Arabic music.		
	Chacifuina	La Canala I	Conic (Tomportment Kou)		
	specifying a songs tonic (temperament key)				
Temperament Key	When playing with tuning other than equal temperament, you need to specify the temperament key for tuning the song to be performed (that is, the note that corresponds to C for a major key or to A for a minor key). If you choose an equal temperament, there's no need to select a temperament key.				
	C-B				
Piano Designer	the pedals, the so	ound of hamme	sound by adjusting various elements that affect the sound: the plano's physical strings, the resonances produced by rs striking the strings, and more. Refer to "Personalizing Your Piano Sound (Piano Designer)" (p. 21).		
Hammer Response	Off, 1–10		Adjusts the time from when you play the key until the piano sound is heard. Higher values produce a greater delay.		
Twin Piano	You can divide th	ne keyboard into a the Keyboard d) left and right areas so that two people can play the same range of pitches.		
	Editina th	e Equalize	r Settings		
	You can use the e	equalizer to mo	lify the tone color by boosting or reducing just the low-frequency or high-frequency range of the sound.		
	To edit the equal	izer settings, us	the [◀] [▶] buttons to select "Equalizer," and then press the [Function] (Enter) button.		
	EQ Low Freq	20–400 (Hz)	Frequency point in the low-frequency range.		
Equalizer			This changes the level at and under the specified bandwidth.		
	EQ Mid Freq	200-8000 (Hz)	This changes the level of 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.		
	FO High Freg	2000-16000	Frequency point in the high-frequency range.		
Min Effects	Let right req	(Hz)	This changes the level at and over the specified bandwidth.		
EP-60X	Access the Mic El	riects screen. Re	ter to Applying Effects to the Mic (Mic Effect)" (p. 22).		
	Transnosir	ng the Pitc	h of the Song Playback (Song Transpose)		
Song Transpose	You can transpos	se the song play	back in semitone steps.		
	-12-0-+12				

Indication [◄] [►] buttons	Parameter [-] [+] buttons	Explanation		
	Adjusting the Song	Volume (Song Volume)	m	
Song Vol.	This setting adjusts the volume	of your keyboard performance while a song plays back. This adjusts the volume of the song (SMF data / audio data)	ngl	
	that is played back.		ish	
FP-60X	* On the FP-90X, the [Song Vol * If the SME playback mode (p] slider simultaneously adjusts the volume of the SMF and the audio. 27) is set to "Auto-Select" or "Internal" there will be some parts whose volume is not changed by the [Song Vol 1 If		
	you set the SMF playback mode (p.	de to "External," the volume of all parts will change.		
	0-10			
	Adjusting the Volun	ne of an Audio Playback Device (Input/ Bluetooth Vol.)	-	
Input/ Bluetooth Vol.	This setting adjusts the volume	of your keyboard performance while a song plays back. You can adjust the volume of an audio playback device that's	4	
	0–10		副	
	Adjusting the Volun	ne from the Computer (USB Audio Input Volume)		
USB Audio Input Vol.	This setting adjusts the volume	from the computer when you're playing back audio from a computer connected to the USB Computer port.	\square	
	0–10			
	Setting the Song (S	MF) Playback Mode (SMF Play Mode)	D	
	This setting specifies the tone th	at you play on the keyboard while a song is playing back. Normally you will use the "Auto-Select" setting. This	eut	
	determines whether the setting whose file format is SMF.	that is most suitable for the internal song or most suitable for external data is selected when you play back a song	tsch	
	Changing this setting does not	iffect the sound character of tone that you play from the keyboard.		
	MEMO You can also switch	the SMF Play Mode by holding down the [►/■] button and using the [-] [+] button.		
SMF Play Mode	Auto-Select	Automatically switches the SMF Play Mode to either "Internal" or "External" depending on the song that is being played.		
	Internal	This is recommended when you play back an internal song or a song that you recorded on this piano.		
		The tone that you play from the keyboard does not change when you play back a song.	Fra	
	External	I his is recommended when you play back external data such as commercially available music data.	nçais	
		For this reason, the character of the sound during playback might be different than the sound while you were		
		recording.		
	Selecting the Forma	It for Recording (Recording Mode)		
	You can choose whether to reco	rd as SMF or as audio.		
Recording Mode	MEMO You can also switch	the Recording Mode by holding down the [•] button and using the [-] [+] button.	lta	
	SMF	The recording will be made as audio data. (SMF format 0) The recording will be made as audio data. (WAV format, 44.1 kHz, 16-bit linear)	liar	
	Audio	* If a USB flash drive is not inserted, "Audio" cannot be selected.	٦ ا	
C	You can change the number of	neasures that are sounded as a count before song playback or recording begins.	l	
Count in Measure	 For details on the count in, see 1 Measure, 2 Measures 	e the following (p. 18) (p. 19).	\sum	
Delete Song	Refer to "Deleting a Saved Song	(Delete Song)" (p. 20).	(
Rename Song	Refer to "Renaming a Song (Ren	ame Song)" (p. 19).	Ē	
Copy Song	Refer to "Copying a Saved Song	(Copy Song)" (p. 20).	par	
Format Media	Refer to "Reformatting Memory	(Format Media)" (p. 25).		
	Changing How the	Pedal Effects Are Applied (Damper Pedal Part)		
	When you press the pedal conn	ected to the Pedal Damper jack during Dual Play or Split Play, the pedal effect is normally applied to both tones, but		
Damper Pedal Part	you can also select the tone to v	/hich the effect is to be applied.	(
	Right	Applied only to the Tone 1 (in Dual Play)/Right-hand tone (in Split Play)	Por	
	Left	Applied only to the Tone 2 (in Dual Play)/Left-hand tone (in Split Play)	tu	
	Changing the Funct	ion of the Center Pedal (Center Pedal)	guê	
	Use this feature to change the f	inction of the pedal connected to the Pedal Sostenuto jack.	S	
	Sostenuto *1 Soft *2	Sets function to sostenuto pedal.	\square	
	Play/Stop	The pedal will have the same function as the [►/■] button.		
	Layer	In Dual Play, you can control of the Tone 2 volume. Allows control of the volume You may find it convenient to connect an expression pedal (EV-5: sold senarately)	Ne	
	Expression *3	Does not change the recorded performance play.	der	
Conter Pedal	Master Expression Bend Up *3 *4	Controls the overall volume of this unit. Pitch rises when pedal is depressed	lan	
Center redai	Bend Down *3 *4	Pitch is lowered when pedal is depressed.	spi	
	Modulation *3 *4	Vibrato is added when pedal is depressed. The pedal will turn Mic effect "Doubling" on off		
	Mic Echo Sw	The pedal will turn Mic effect "Echo" on/off.		
	Rotary Sw *1 Only works on the Conter Dec	When using the rotary effect, switches the rotary effect between slow and fast.		
	*2 Only works on the Left Pedal	Function.	節位	
	*3 Works only on the tone set as	the corresponding pedal part (Center Pedal Part or Left Pedal Part).	H H	
	*4 For some tones, this setting r	night not apply an effect.	¥	
	Use only the specified express	sion pedal. By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit		

Advanced Operation

Indication [4] [>] buttons	Parameter [-] [+] buttons	Explanation
	Changing How the	Pedal Effects Are Applied (Center Pedal Part)
Center Pedal Part	When you press the pedal conn but you can also select the tone Refer to "Changing How the Pec	ected to the Pedal Sostenuto jack during Dual Play or Split Play, the pedal effect is normally applied to both tones, to which the effect is to be applied. dal Effects Are Applied (Damper Pedal Part)" (p. 27).
	Changing the Funct	ion of the Left Pedal (Left Pedal)
Left Pedal	Use this feature to change the find the find the find the function of the func	unction of the pedal connected to the Pedal Soft jack. of the Center Pedal (Center Pedal)" (p. 27).
	Changing How the	Pedal Effects Are Applied (Left Pedal Part)
Left Pedal Part	When you press the pedal conn can also select the tone to whic Refer to "Changing How the Pec	ected to the Pedal Soft jack during Dual Play or Split Play, the pedal effect is normally applied to both tones, but you h the effect is to be applied. Jal Effects Are Applied (Damper Pedal Part)" (p. 27).
	Using a Pedal to Sw	itch Registrations (Reg. Pedal Shift)
Reg. Pedal Shift	You can assign a pedal to succe	ssively switch registrations. Each time you press the pedal, you will switch to the next registration.
neg. i edal shine	Off	The functions assigned to the Pedal Soft jack and Pedal Sostenuto jack will be available for use.
	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 S	iet (Registration Set Export)" (p. 24).
Reg. Set Import	Refer to "Loading a Saved Regis	tration Set (Registration Set Import)" (p. 24).
	Sending Tone-Chan	ge Information (Transmit MIDI Information)
	When you switch registrations,	this unit simultaneously transmits the following: Program Change, Bank Select MSB, and Bank Select LSB.
	You can also set the transmit ch	annel.
Reg. Transmit Ch.	Off, 1–16	Sets the Program Change transmit channel.
Reg. Bank MSB	0 (00) –127 (7F) 0 (00) –127 (7F)	Sets the Bank Select MSB.
Reg. PC	1(00) - 128(7F)	Sets the Program Change number
	Preventing Doubled	Notes When Connected to a Sequencer (Local Control)
	When you have a MIDI sequence	er connected, set this parameter to Local Off.
Local Control	Since most sequencers have the this, you can enable the "Local C	per Thru function turned on, notes you play on the keyboard may be sounded in duplicate, or get dropped. To prevent 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.
	MIDI Transmit Chan	nel Settings (MIDI Transmit Ch.)
MIDI Transmit Ch.	This setting specifies the MIDI c	hannel on which the unit will transmit.
	This unit will receive all sixteen	channels (1–16).
	Adjucting the Prigh	trace of the Dieplay (Dieplay Contract)
Display Contrast	AujuStilly the Dight	illess of the Display (Display Contrast)
	1–10	in display.
Dan al Drinkte and	Adjusting the Brigh	tness of the Buttons (Panel Brightness)
Panel Brightness	You can adjust the brightness o Dim, Bright	f this unit's buttons.
	Outputting Sound E	Both from Headphones and Internal Speakers (Speaker Auto Mute)
	With the factory settings, sound change this setting so that sour	I is no longer output from the internal speaker when you connect headphones to the PHONES jack. However, you can Ind is output both from the headphones and from the internal speakers.
Speaker Auto Mute	* If this is "Off," the sound that	is output from the headphones will have a different character.
	* If this is "Off," sound is heard t	from the internal speakers even if the Speaker [Off/On] switch is "Off."
	On	Sound is heard both from headphones and the internal speakers.
	Making the Power	Automatically Turn Off After a Time (Auto Off)
Auto Off	With the factory settings, the ur	nit's power will automatically be switched off 240 minutes after you stop playing or operating the unit.
	If you don't want the power to t	urn off automatically, change the "Auto Off" setting to "Off."
	Off, 10, 30, 240 (min.)	
	This unit settings return to their	factory defaults when you turn off the power. But if you backup the current settings into internal memory, they will
Memory Backup	Befer to "Betaining Settings After	ower comes on. er Power-Off (Memory Backup)" (n. 25)
Factory Reset	Refer to "Restoring the Factory	Settings (Factory Reset) [#] (p. 25).
Version	Displays the version of the unit	s system program.

* This unit 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. 25).

👌 Troubleshooting

Problem	Items to Check	Action	Page	
Even though	Could you bo	Playing the keyboard causes internal		
you're using	hearing the	hammers to operate, and the		
headphones	nearing the	vibrations may be transmitted to		
and the sound	bommors insido	the floor or walls. To minimize such		
is muted, a	the keyboard or	vibrations, you can move the piano	-	
thumping sound	vibrations in the	away from the wall, or lay down a		
is heard when you	floor or walls?	commercially available anti-vibration		
play the keyboard	noor or walls!	mat designed for use with pianos.	<u> </u>	
	Could the auto-	If you don't need the new or to turn		
Power turns off on	off setting be	off automatically turn the Auto Off	n 20	
its own	something other	softing "Off"	p. 20	
	than "Off"?	setting on.		
Power turns on	Is the AC adaptor of	onnected correctly?	_	
unexpectedly		onnected conectly:	_	
	Is the pedal connec	ted correctly?	-	
	Could you have			
	disconnected or	Power-off the unit before you		
	connected the	connect or disconnect the pedal	-	
Pedal does not	pedal cord while	cord.		
work or is "stuck"	the power was on?			
work, or is stuck	Could you have	Return the pedal function (Center		
	changed the	Pedal, Left Pedal) to its previous	n 27	
	function of the	setting	p. 27	
	pedal?			
	Could you be using	the Reg. Pedal Shift function?	p. 28	
Unable to read	Is the LISR flach driv	e connected to the USR Memory		
from/write to USB	nort?	connected to the 030 Memory	-	
flash drive	port:			
"Buzz" is beard	Are the external	If you connect external devices be		
from external	devices connected	in you connect external devices, be		
devices	to more than one	AC outlet	-	
Gevices	AC power outlet?	AC UUIIEL		
The volume	Could the Input /PL	uetooth Vol. be turned down?	n 27	
level of the unit	Could the Input/Bluetooth Vol. be turned down?		p. 27	
connected to	Could the valume of the connected device he turned			
Input Stereo jack	down?	of the connected device be turned	-	
is too low	down?			
	Are your amp, spea	kers, headphones, etc., connected	ne	
	correctly?		p. 0	
	Is the volume turned down?			
	Could headphones or an adaptor plug be inserted in the			
	Phones jacks? The speakers will not produce sound if			
	headphones or plu	g are connected to the Phones jacks.		
	Has Local Control	Set Local Control to "On"	n 28	
N	been set to "Off"?		p. 20	
No sound	Could the Speaker [Off/On] switch be "Off"?			
	If the Speaker [Off/On] switch is "Off," sound is not output			
	from the internal sp	beakers.		
	Could the Part [Upp	per] [Lower] sliders both be lowered?		
	If the Part sliders ar	e lowered, no sound is heard.	p. o	
	Could you			
	be using an	Use an expression pedal to adjust the	_	
	expression pedal?	volume.		
Sound is heard		L		
from the internal				
speakers even when				
headphones are	Could Speaker Auto	o Mute be "Off"?		
connected	If Speaker Auto Mu	te is "Off," sound is output from the		
Sound is output	internal speakers e	ven if headphones are connected or if	p. 28	
from the internal	the Speaker [Off/Or	n] switch is "Off."		
speakers even when				
the Speaker [Off/				
On] switch is "Off"				
No sound from				
the microphone				
Mic sound is not	Is the [Mic Vol.] slid	er raised?	p. 22	
loud enough				
Notes don't sound	right	·		
Notes don't sound	Could you have re-	de Transnose sottings?	n 0	
Pitch of the	Is the Master Tupo	etting appropriate?	p.8	
keyboard or song is	Is the setting for the	- Temperament correct?	p. 20	
incorrect	Is the Single Note T	uning setting appropriate?	p. 20	
	Could you be holdi	ng down the damper pedal and	P. 21	
Notes are	sounding a large p	imber of notes?		
interrupted	Could you have	Dual Day or planta a star section	-	
interrupted	Could you be using	Dual Play or playing along with a		
	song?	Drease the Collin /Down Discovery		
	is the unit in Dual	Press the [Split/Dual] button to turn	-	
Sounds are	Play?	oπ Dual Play.		
heard twice	L	If you don't want the other sound		
(doubled) when	Could the unit	module to produce sound, turn your	-	
the keyboard is	be connected	DAW's soft thru function "off."		
played	to an external	If Local Control is turned "On" sot		
	sequencer?	l ocal Control to "Off"	p. 28	
	1	Local Control to Oll.	1	

Problem	Items to Check	Action	Page	
Effect does not apply	For some combinat apply to Dual Play t Play.	ions of tones, the effect does not cone 2 or to the left-hand tone of Split	-	Enç
Reverberation remains even if you defeat the Ambience effect	Even if the Ambien own resonance ren You can reduce this Cabinet Resonance	ce effect is off, the acoustic piano's nains. 5 reverberation by adjusting the • (FP-90X only).	p. 21	glish
Only high or low sound is heard	Could you have adj	usted the equalizer?	p. 26	
The sound of the higher notes suddenly changes from a certain key	This simulates the c and is not a malfun The sound will chai number of strings r strings to unwounc If you don't hear it it	characteristics of an acoustic piano, ction. nge where there is a change in the per key or a transition from wound I strings.	-	日本語
High-pitched ringing is heard	Hyou don't has malfur Roland Support. If you also hear it th metallic ringing, ad •Duplex Scale (FP-9 •Full Scale String Re •Ambience	nrough neadphones: It may be that nrough headphones: To decrease the just the following settings. 0X only) es. (FP-90X only)	p. 21	Deuts
	Could the volume be set to maximum? If you also hear it the the unit has malfur	Lower the volume.	p. 8	, ch
Low notes sound wrong, or are buzzy	Roland Support. If you don't hear it 1 unit are resonating coming from the sp measures to minim •Locate the speaker walls or other surfa •Keep the volume c	through headphones: Objects near the because of the high volume of sound beakers. You can take the following ize resonances. rs 10–15 cm (4–6 inch) away from ces. lown.	_	Français
The selected sound changes when you play back a song	•Move away from the Could the SMF Play Mode be set to "Auto-Select" or "Internal"?	ne objects that are resonating. Set the SMF Play Mode to "External."	p. 27	Ital
Loud "damper noise" is heard.	Could you be using a damper pedal other than the specified	Use a damper pedal that supports continuous detection, such as the DP-10 or KPD-90. If you're using the DP-10, set the DP-10's switch to the	р. б	iano
Song does not play	correctly	Continuous" position.		-
The piano's tonal character changes when you record	Could you be recording with a tone that you created in Piano <u>Designer?</u> Could you be	The Piano Designer settings might not be reproduced when you play back a song.	_	Español
	playing back the audiorecorded sound?	Record as SMF.	p. 18	
Only the sound of a particular instrument in a song does not play	Could the Part [Upp If the Part sliders ar	per] [Lower] sliders both be lowered? e lowered, no sound is heard.	p. 8	Portu
Song volume is too low / Volumo diffors	FP-90X Could the [Song Vo	l.] slider be set too low?	p. 8	ıguês
between recording and	FP-60X Could the Song Vol	. settings be too low?	p. 27	
	Could the Part [Upp	per] [Lower] sliders be set to "0"?	p. 8	Z
Can't play back a song saved in USB flash drive	Audio files of the fc • WAV format, 44.1 I • MP3 format, 44.1 Is the filename extern	of the format be played; (WAV of MF3) illowing format can be played back. KHz, 16-bit linear, File extension ".wav" ension ".MID"?	-	ederlands
	Could the song nar consist of only space	ne information in the file be blank or ces?	-	\square
Song name in USB flash drive is not	Is the filename exte	ension ".MID"?	-	\bigcap
shown	name contain two-byte characters (such as Japanese)?	Rename the file so that it consists only of single-byte alphanumeric characters.	-	简体中
Can't record Can't record audio	Is a USB flash drive	connected to the USB Memory port?	_	ネ
		· · · · · · · · · · · · · · · · · · ·		

& Error Messages

Indication	Meaning
	An error occurred during writing. The external media may be corrupted.
Error 2	Insert other external media and try again. Alternatively, you can initialize the external media (p. 25).
	The internal memory might be damaged. Format the internal memory (p. 25).
Error 3	The same file already exists.
Error 10	No external media is inserted. Insert the external media and try again.
Enorito	The internal memory might be damaged. Format the internal memory (p. 25).
Error 11	There is not sufficient free memory in the save destination.
	Either insert other external media or delete unneeded files and try again.
	An error occurred during reading. The external media may be corrupted.
Error 14	Insert other external media and try again. Alternatively, you can initialize the external media (p. 25).
	The internal memory might be damaged. Format the internal memory (p. 25).
Error 15	The file is unreadable. The data format is not compatible with the unit.
Free 10	This audio format is not supported.
Error 18	Please use 44.1 kHz 16-bit linear WAV format or 44.1 kHz 64 kbps-320 kbps MP3 format audio files.
Error 30	Internal memory capacity of the unit is full.
F 40	The unit cannot deal with the excessive MIDI data sent from the external MIDI device.
Error 40	Reduce the amount of MIDI data sent to the unit.
Error 41	A MIDI cable was disconnected. Connect the MIDI cable correctly.
Error 43	A MIDI transmission error has occurred. Check the MIDI cable and connected MIDI device.
Error E1	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 Roland
EITOLOI	Support.
Error 65	The USB flash drive connector was subjected to excessive current. Make sure that there is no problem with the external media, then turn the power off, then
LIIOI 05	lon again.

§ Saved Settings

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

*1 Saved in registrations only for the FP-90X.

*2 The "Reg. Pedal Shift" setting is saved on the USB flash drive when you execute Registration Set Export.



Piar	0 FP-90X	Piar	10 FP-60X	E. Pi	iano	Orga	an	Strir	ıgs/Pad	Synth	n/Other
#	Tone Name	#	Tone Name	#	Tone Name	#	Tone Name	#	Tone Name	#	Tone Name
1	Concert Piano *	1	Concert Piano *	1	1976SuitCase	1	B.Organ Slow	1	Chamber Str	1	Super Saw
2	Stage Grand *	2	Ballad Piano *	2	Tine EP Lite	2	Combo Jz.Org	2	String Exp	2	Trancy Synth
3	Concert Ballad *	3	Mellow Piano *	3	ModifiedDyno	3	Ballad Organ	3	Full Strings	3	Flip Pad
4	Concert Mellow *	4	Bright Piano *	4	VR EP 1	4	Gospel Spin	4	Strings forl	4	D50 Fantasia
5	Concert Bright *	5	Upright Piano	5	Wurly 200	5	Full Stops	5	Epic Strings	5	D50 Stac Hvn
6	Concert Brilliance *	6	Mellow Upright	6	Pure Wurly	6	Mellow Bars	6	Rich Strings	6	D50 FuturePd
7	Stage Mellow *	7	Bright Upright	7	Phase EP Mix	7	Lower Organ	7	SymphonicStr1	7	D50 DigiNDnc
8	Stage Bright *	8	Rock Piano	8	80's FM EP	8	Light Organ	8	SymphonicStr2	8	EQ Lead
9	Upright Piano	9	Ragtime Piano	9	MetalicEP Ex	9	Pipe Organ	9	Orchestra	9	DelyResoSaws
10	Mellow Upright	10	Bright Forte	10	SA E.Piano 1	10	Nason flt 8'	10	String Trio	10	StrawberyFlt
11	Bright Upright	11	SA Piano	11	SA EP1 Stack	11	ChurchOrgan1	11	Harpiness	11	Jazz Scat
12	Rock Piano	12	JD Piano	12	SA E.Piano 2	12	ChurchOrgan2	12	OrchestraBrs	12	Ac.Bass wRel
13	Ragtime Piano	13	70's E.Grand	13	JD8 CrystlEP	13	Accordion	13	Super SynPad	13	Comp'd JBass
14	Bright Forte	14	Magical Piano	14	Glassy EP 1	14	Acd Musette	14	Choir Aahs 1	14	A.Bass+Cymbl
15	SA Piano	15	Harpsichord	15	Tremolo EP	15	Acd Harmonm	15	Choir Aahs 2	15 22	(8-drum sets and 1
16	JD Piano	16	Harpsi 8'+4'	16	EP Belle	16	Animal Mod	16	D50 StackPad	13-23	SFX set)
17	70's E.Grand			17	BrillClav DB	17	Surf Monkeys	17	Legend Pad	24-	(CM2 Tonos)
18	Magical Piano	* Tones with the (*) symbol		18	BrillClavWah	18	Rising Sun	18	Voice of Hvn	279	(GIVIZ TOTIES)
19	Harpsichord are "SuperNATURAL Piano"						19	New Jupiter			
20	Harpsi 8'+4'	SO	und engine" tones.					20	ChordofCnada		
21 JP8 Strings											
* Tor	* Tones with the (*) symbol							22	Air Pad		

are "PureAcoustic Piano sound engine" tones.

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Français

English

日本語

Deutsch

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	Intorna	Sona	Lict
\mathbb{O}^{-}	ппена	IJUIU	LIJU
7			

Common to FP-90X/FP-60X

Song Name		Composer
Elevations	*	Original
Reflection	*	Original
Fly day	*	marasy
Barcarolle	*	Fryderyk Franciszek Chopin
Zhavoronok	*	"Mikhail Ivanovich Glinka, Arranged by Mily Alexeyevich Balakirev"
Valse, op.34-1	*	Fryderyk Franciszek Chopin
Polonaise op.53	*	Fryderyk Franciszek Chopin
Nocturne No.20	*	Fryderyk Franciszek Chopin
Die Forelle	*	Franz Peter Schubert, Arranged by Franz Liszt
Reflets dans l'Eau	*	Claude Achille Debussy
Polovtsian Dances		Alexander Borodin
Ombra mai fù		George Frideric Handel
Lascia ch'io pianga		George Frideric Handel
Twinkle Twinkle Little Star		French Folk Song
Mary Had a Little Lamb		Traditional
Bear Song		American Folk Song
Ich Bin Ein Musikante		German Folk Song
Grand Father's Clock		Henry Work
Jingle Bells		James Pierpont
We Wish You a Merry Christmas		Carol

	Composer					
	Franz Gruber					
	Hymn					
	Traditional					
	George R. Poulton					
	Traditional					
	Traditional					
	Scott Joplin					
	Scott Joplin					
	Traditional					
	Joseph Winner					
	Original					
	Original					
FP-90X only						
	Composer					
*	Hymn					
*	Fryderyk Franciszek Chopin					
	*					

Boreal Pad

JP8 Hollow Soft Pad Solina Tron Strings

* All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.

* Performance data of the tone demos and the built-in songs is not output from the USB Computer port or from Bluetooth (MIDI).

* If the SMF playback mode (p. 27) is set to "Auto-Select" or "Internal," there will be some parts whose volume is not changed by the [Song Vol.]. If you set the SMF playback mode to "External," the volume of all parts will change.

* Songs marked by an asterisk (*) are piano solo songs. They have no accompaniment.

* "Fly day" are played by marasy

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. 28).

Use only the stand that is recommended

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



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).



unit falling or the stand toppling, and may result in injury.

. WARNING

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.



product.

below.

(!\ CAUTION

Use only the specified stand(s)

This unit is designed to be used in combination with specific stands (*1) manufactured by Roland. If used in

FP-60X: KSC-72, KS-G8B, KS-10Z, KS-12, KS-20X



Remove the music stand. Keep small items out of the reach of children To prevent accidental ingestion of the parts

Disconnect the power cord.

listed below, always keep them out of the reach of small children.



- **Removable Parts**
- Music rest attachment screws (FP-90X only) (p. 5)

IMPORTANT NOTES

Placement

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

Repairs and Data

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

Additional Precautions

- Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc. To protect yourself against the irretrievable loss of data, try to make a habit of creating regular backups of the data vou'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 this device
- Using this device in a country other than where it was purchased

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.tron.org).
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 - This product is using the Jansson (http://www.digip.org/ jansson/) source code. Copyright © 2009-2016 Petri Lehtinen cpetri@digip.org>
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CAUTION

Evaluate safety issues before using stands

Even if you observe the cautions given in the

owner's manual, certain types of handling

or cause the stand to overturn. Please be

.....

Since this product is very heavy, you must

make sure that a sufficient number of people

are on hand to help, so you can lift and move it safely, without causing strain. Make sure

to have a firm grip, to protect yourself from injury and the instrument from damage. If you need to

move the instrument, take note of the precautions listed

· Check to make sure the Knob Bolt securing the unit to the stand have not become loose. Fasten them again

Disconnect all cords coming from external devices.

securely whenever you notice any loosening.

Cautions when moving this unit







Internal Song Music Book 内蔵曲楽譜集

1 : Elevations 2 : Reflection



Elevations





































Reflection









Original











Roland