FP-50

Roland Digital Piano

Owner's Manual

Look What You Can Do!

Play the Piano

Play various sounds

Page 14

The FP-50 features 372 different tones for you to enjoy.
You can freely select and perform using these tones.

Play two layered tones

Page 14

You can layer two tones on a single key.

Play different tones with your left and right hands

Page 15

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

Sound a metronome

Page 16

You can sound a metronome.

Playing with Accompaniment

Play along with a rhythm

Page 19

The FP-50 features 90 different rhythms that can accompany you as you play.
Lets you enjoy performing as though you're playing with a backup band.

Play along with a song

Page 22

The FP-50 has 30 built-in songs.
You can select a song and play along with it.

Record Songs

Record your performances

Page 24

You can record your performances.
When playing with an accompaniment, you can record both the accompaniment and your performance.

Use your computer to create a CD of a song you recorded

Page 28

A song you've recorded can be copied to your computer, and written to a CD.

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" (p. 57) and "IMPORTANT NOTES" (p. 59). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

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Designing Sounds

Add reverberation to the sound

Page 17

You can add reverberation (ambience) to create the sensation of performing in a concert hall.

Adjust the tone color (equalizer)

Page 17

You can use the equalizers to adjust the sound's tone color.

Live Performance Features

Transpose the pitch of the keyboard or song

Page 18

You can transpose the pitch of the keyboard, allowing you to change the key of your performance quickly and easily.

Recall performance settings

Page 29

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

Convenient Functions

Adjust the keyboard touch

Page 18

You can adjust the touch sensitivity of the keys.

Disable the buttons

Page 35

The "Panel Lock function" lets you prevent sounds or settings from being changed when buttons are pressed inadvertently.

Connect to a Wireless LAN

Page 43

You can use a WNA1100-RL wireless USB adapter (sold separately) to connect to a wireless LAN and use wireless applications, such as the iPhone app.

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Information about the R and M icons

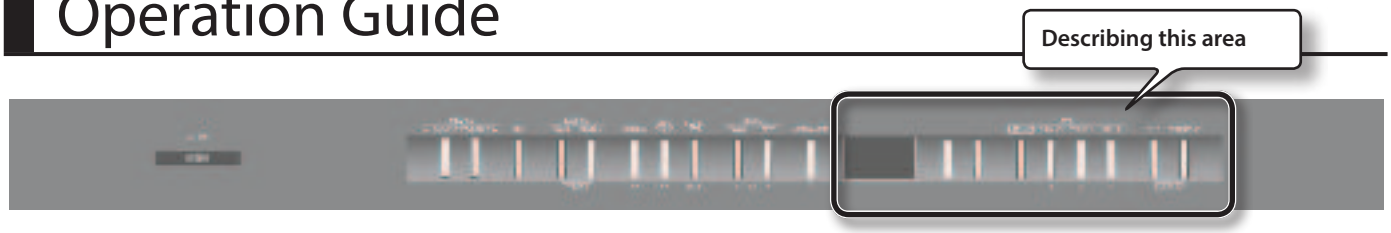
These icons identify settings that can be stored in memory and recalled when power comes back on.

R : Registration Page 29

M : Internal memory Page 33

Settings return to their default values as soon as you turn off the power.
By using the Memory Backup function or registration sets, you can make sure the changes you've made to these settings are retained.

Operation Guide



Switching Tones

Switching tones

Page 14

Press one of the TONE buttons, and then press the [–] [+] buttons.



Layering two tones (Dual Play)

Page 14

Press any two TONE buttons simultaneously.



MEMO

When using Dual Play, you can adjust the volume balance by pressing the [◀BACKING] or [KEYBOARD▶] button while holding down the TONE button.

Changing the tones

Tone 1 (Left-side button)	Press the [–] [+] buttons.
Tone 2 (Right-side button)	Hold down the right-most of the lit TONE button, and then use the [–] [+] buttons.



Display

The display shows information such as the tone name, rhythm name, song name, tempo, and time signature.

Tone Name
Song Name
Rhythm Name



Selecting Variation Tones/Adjusting the Settings

You can select tone variations, rhythms, and songs, and adjust various settings.

- Hold down the [–] [+] buttons if you want the value to continue changing.
- To rapidly raise the value, hold down the [+] button and press the [–] button.
- To rapidly reduce the value, hold down the [–] button and press the [+] button.
- To return the setting to its default value, press the [–] and [+] buttons simultaneously.

Saving your current temperament settings, equalizer settings, and related settings into memory (Memory Backup)

Page 33

Temperament settings, equalizer settings, and other settings reset to their defaults when power off.

By using the Memory Backup function, you can make sure the changes you've made to settings are retained in internal memory.

In this manual, the "Ⓜ" icon indicates settings retained by the Memory Backup function.

1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Use the [◀] [▶] (SLOW/FAST) buttons to select "Backup."

3. Press the [METRONOME] button.

4. Press the [▶] (FAST) button to select "Y (Yes)."

REFERENCE For details on the settings that can be stored, refer to "Items Stored by Memory Backup" (p. 49).

Playing Different Tones with the Right and Left Hands (Split Play)

You can split the keyboard in two, and play one tone with your left hand and another tone with your right hand.

Page 15

Turning the split feature on

Press the [SPLIT] button.

MEMO

When using Split Play, you can adjust the volume balance by pressing the [◂BACKING] or [KEYBOARD▸] button while holding down the TONE button.

Changing the tones

Right-Hand Tone	1. Press the desired TONE button. 2. Press the [–] [+] buttons.
Left-Hand Tone	1. Hold down the [SPLIT] button and press the desired TONE button. 2. Hold down the [SPLIT] button and press [–] [+] buttons to select the desired tone.

Changing the keyboard's split point

Hold down the [SPLIT] button and press the key at the desired split point.



Disabling the Buttons (Panel Lock)

Locking the panel

Page 35

Hold down the [TRANSPOSE] button until "Lock" appears in the display.

Unlocking the panel

Hold down the [TRANSPOSE] button until "Lock" disappears.

Changing the Key (Transpose)

Use this feature to shift the pitch of the keyboard and songs.

Page 18

Turning the transpose feature on

Press the [TRANSPOSE] button so it's lit.

Changing the transposition interval

While holding down the [TRANSPOSE] button, press the [–] [+] buttons or play the note.

Recalling Performance Settings (Registration)

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

Page 29

Each registration holds a full set of tone settings, rhythm settings, and other performance-related values.

In this manual, the "Ⓡ" icon indicates settings that are saved into registration memory.

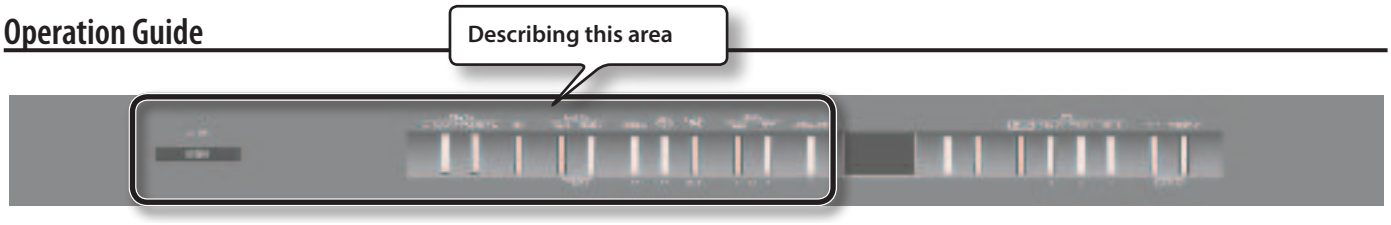
Recalling a registration

1. **Press the [SPLIT] and [TRANSPOSE] buttons simultaneously.**
2. **Press one of the number buttons, from [1] to [4], to select the registration.**
3. **Press the [–] [+] buttons to select the registration variation.**

Saving current settings into a registration

1. **Set the desired performance settings: tone, rhythm, and so on.**
2. **While holding down the [SPLIT] and [TRANSPOSE] buttons simultaneously, press a button from [1] to [4] to select the registration and then press the [–] [+] buttons to select the registration variation.**
3. **Release the [SPLIT] and [TRANSPOSE] buttons.**

REFERENCE For details on the settings that can be stored, refer to "Settings Saved in Registrations" (p. 49).



Selecting a Song

Access the song screen, and select a song.

Page 22

Selecting a song

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



2. Press the [–] [+] buttons to select a song.

Selecting a song from a USB flash drive



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

2. Hold down the [SONG] button and press the [–] button to select the "S" category.

3. Press [–] [+] buttons to select a song.

Selecting a Rhythm

Access the rhythm screen, and select a rhythm.

Page 19

1. Press the [RHYTHM] button to access the rhythm screen.



MEMO

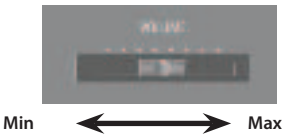
You can display the chord of the current rhythm by pressing the [RHYTHM] button in the rhythm screen.

2. Press the [–] [+] buttons to select the desired rhythm.



Adjusting the Overall Volume

Adjust the sound's volume.

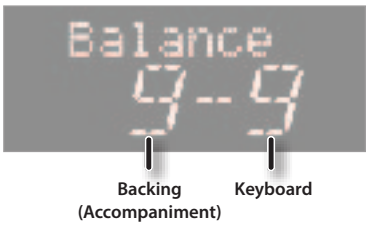


Adjusting the Volume Balance

Balance the keyboard loudness with the loudness of the accompanying rhythm and song.

To make the backing stand out...	Press the [◀BACKING] button.
To make the keyboard dominate...	Press the [KEYBOARD▶] button.

The current balance setting is shown in the display.



Changing the Tempo and Time Signature

You can adjust the tempo of the metronome and the song.

Page 16

Changing the tempo

Press the [◀] [▶] (SLOW/FAST) buttons.

Changing the time signature

Hold down the [METRONOME] button and press the [◀] [▶] (SLOW/FAST) buttons.

Using the Metronome

Try using the metronome.

Page 16

Turning the metronome on

Press the [METRONOME] button so it's lit.



Adjusting the metronome's volume

Hold down the [METRONOME] button and press the [–] [+] buttons.



Playing Songs and Recording Performances

Here's how to control recording and playback (when the [SONG] button is lit).

Return to the beginning of the song	Hold down the [▶/■] button and press the [◀◀] button.
Play/Stop	Press the [▶/■] button.
Engage recording-standby mode	With playback stopped, press the [REC] button.
Record	While in recording-standby mode, press the [▶/■] button.
Rewind	Press the [◀◀] button.
Fast-forward	Press the [▶▶] button.

Playing through all songs (All Song Play)

Page 22

Hold down the [SONG] button and press the [▶/■] button.

Making a new recording

Page 24

1. **Select the desired tone(s).**
2. **Press the [SONG] button.**
3. **Press the [REC] button.**
4. **Press the [▶/■] button to start recording.**
5. **Press the [▶/■] button to stop recording.**

Playing a Rhythm

Playing a rhythm (when the [RHYTHM] button is lit).

Page 19

Play/Stop	Press the [START/STOP] button.
Add the intro	Press the [INTRO/ENDING] button, and then play the rhythm.
Add an ending	While the rhythm is playing, press the [INTRO/ENDING] button.
Add some variation to the rhythm	Press the [VARIATION] button.

Recording a rhythm together with your keyboard play

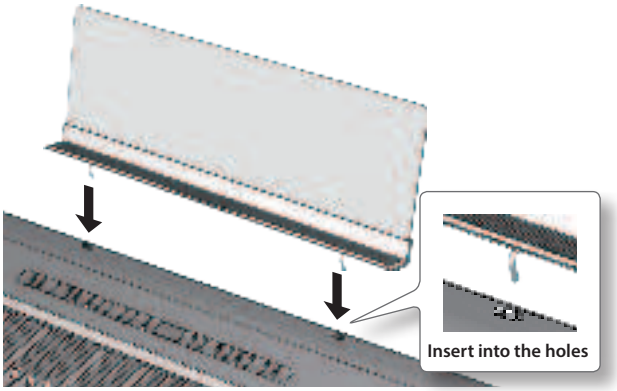
Page 24

1. **Select the desired tone(s).**
2. **Select the desired rhythm.**
3. **Press the [REC] button.**
4. **Press the [▶/■] button to start recording.**
5. **Press the [▶/■] button to stop recording.**

Panel Descriptions

Music Rest

Attach the included music rest as shown below.



USB MEMORY Port

You can use USB flash drives to do all of the following.



- Play WAV files and standard MIDI files (SMF files) copied from your computer. Page 22
- Make audio recordings of your FP-50 performances. Page 25
- Play these audio recordings at your computer, or burn them to CDs or other media. Page 28
- Save/load registration sets. Page 30
- By connecting a wireless USB adapter (WNA1100-RL; sold separately), you can use wireless-connectivity applications, such as the iPhone app. Page 43

* Carefully insert the USB flash drives all the way in—until it is firmly in place.

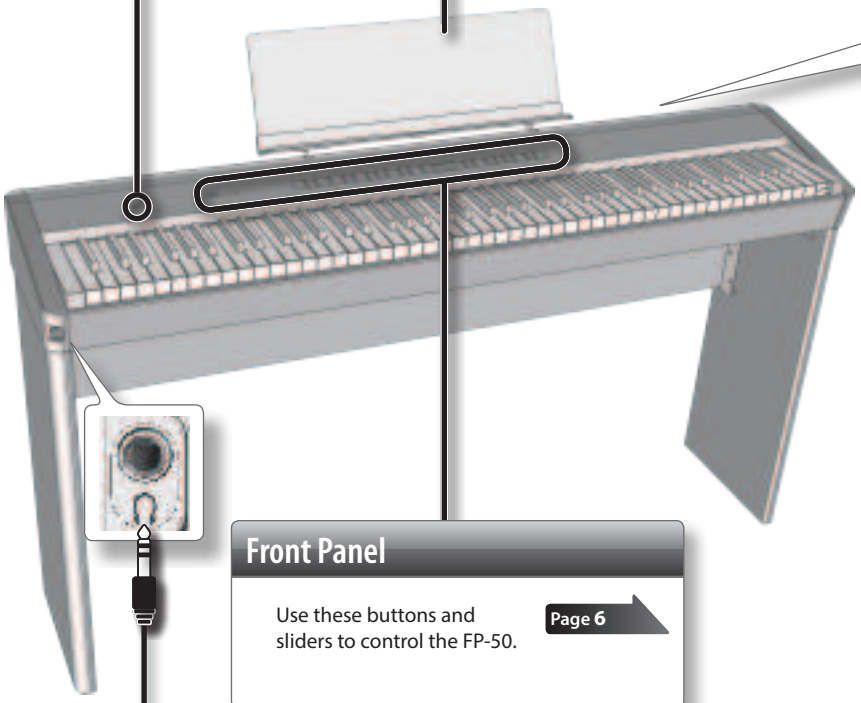
* Use a USB flash drive sold by Roland. We cannot guarantee operation if any other USB flash drive is used.

[⏻] Switch

Turns the power on and off. Page 13

Rear side





Front Panel

Use these buttons and sliders to control the FP-50. Page 6

Headphone Jack



Connect your headphones (sold separately) here.

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

* When connection cables with resistors are used, the volume level of equipment connected to the INPUT jack may be low. If this happens, use connection cables that do not contain resistors.

PEDAL Jacks

Connect pedals to these jacks.
Each jack controls a different pedal function.

Pedal Jack	Explanation
DAMPER/R jack	Acts as a damper pedal.
SOSTENUTO/C jack	By default, acts as a sostenuto pedal.
SOFT/L jack	By default, acts as a soft pedal.

MEMO

- When connecting the included pedal, set the pedal's side switch to "Continuous."
- If you wish, you can assign different functions to the pedals connected to the SOSTENUTO/C and SOFT/L jacks (p. 39).
- The separately available RPU-3 pedal allows you to enjoy piano performances at their fullest, since you can use three pedals.
- Use only the specified expression pedal (EV-5, EV-7; sold separately). By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit.

Damper pedal

Use this to sustain the sound.
While you hold down the damper pedal, notes will be sustained even if you take your fingers off the keyboard. You can control the amount of sustain applied by the way you press the pedal.

On an acoustic piano, pressing the damper pedal allows other strings to resonate sympathetically with the notes you play, producing a rich and spacious resonance. The FP-50 simulates this natural damper resonance.

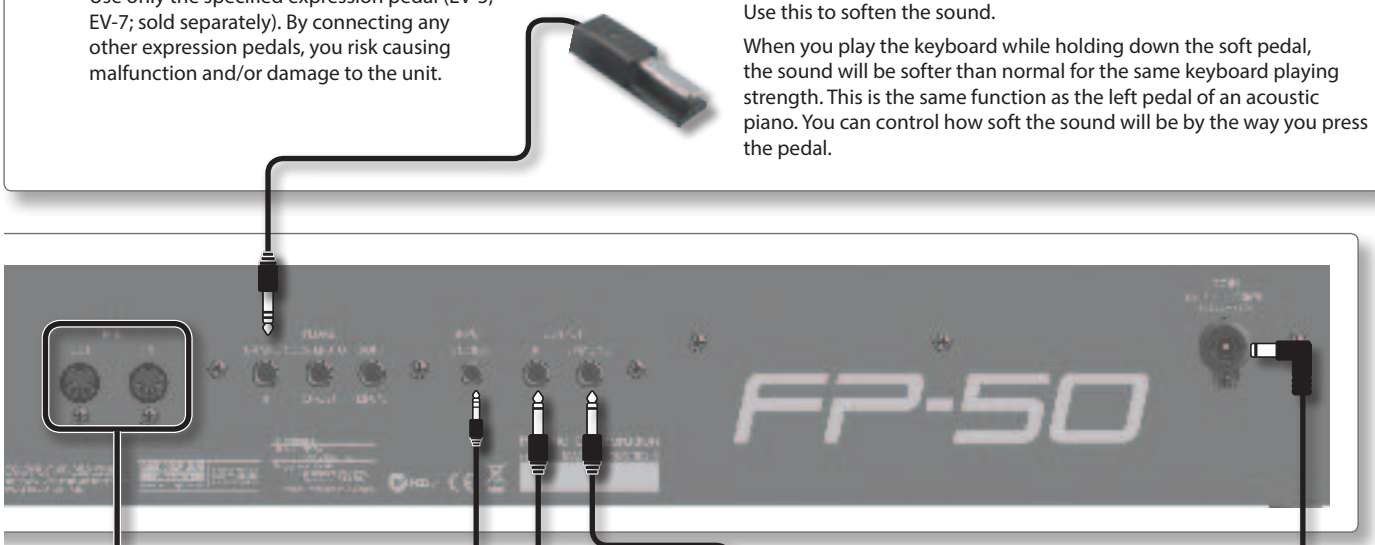
Sostenuto pedal

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

Soft pedal

Use this to soften the sound.

When you play the keyboard while holding down the soft pedal, the sound will be softer than normal for the same keyboard playing strength. This is the same function as the left pedal of an acoustic piano. You can control how soft the sound will be by the way you press the pedal.



INPUT Jack

This is a stereo miniature phone type jack. Use it to connect to an audio player or similar source, so that you can play the source's sound through the FP-50.
Adjust the volume, as necessary, from the source side.

OUTPUT Jacks

If you connect these jacks to amplified speakers, the sound of FP-50 will be heard through them.

MIDI Connectors

Connect these jacks to external MIDI devices.

DC IN Jack

Connect the included AC adaptor here.

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

Using a Stand

Be careful not to pinch your fingers when setting up the stand.

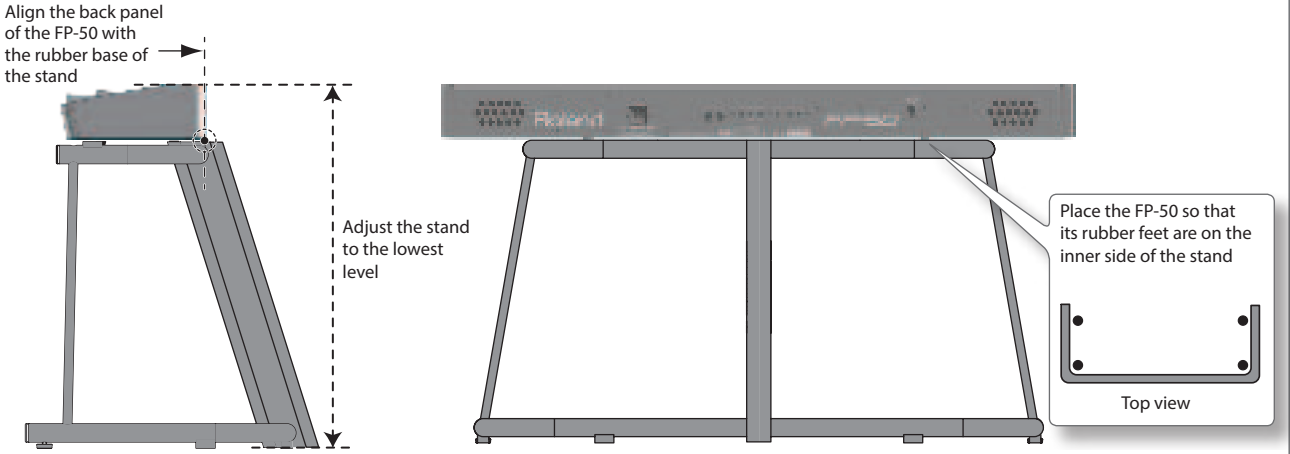
Please use one of the following Roland stands to support your FP-50: KSC-44, KS-G8, KS-18Z, or KS-12.

Refer to the following when using a stand.

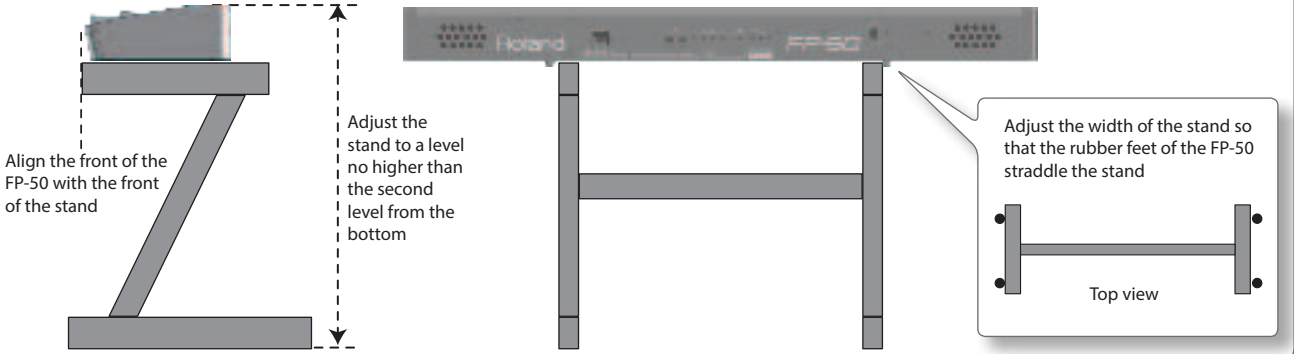
KSC-44

Refer to the KSC-44 Owner's Manual.

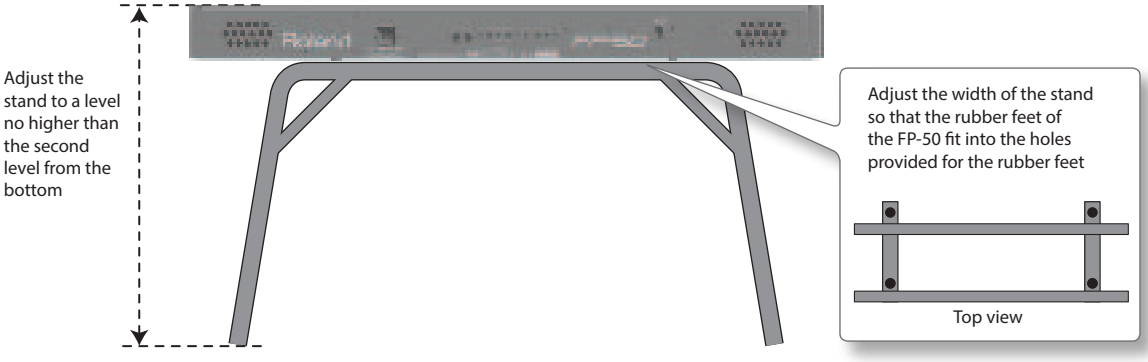
KS-G8



KS-18Z



KS-12



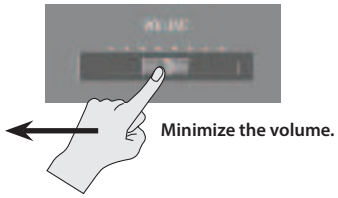
Turning the Power On and Off

Turning the Power On

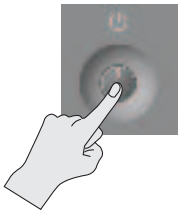
NOTE

Once everything is properly connected (p. 10), be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.

1. Move the [VOLUME] slider all the way to the left to minimize the volume.



2. Press the [⏻] switch.



The unit turns on and a TONE button along with other buttons light up.

* This unit is equipped with a protection circuit. A brief interval (a few seconds) after turning the unit on is required before it will operate normally.

3. Move the [VOLUME] slider to adjust the volume (p. 8).

* 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.

Turning the Power Off

1. Move the [VOLUME] slider all the way to the left to minimize the volume.

2. Press and hold the [⏻] switch until the display turns off.

The unit turns 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. 33).

- 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.

Listening to the Demos

Here's how to listen to the demo songs.



1. While holding down any TONE button, press the [▶/■] button.

Demo playback starts.

MEMO

The tone used for the demo song depends on which TONE button you press.

When the last demo has finished, playback starts again from the first demo.

2. To terminate demo play, press the [▶/■] button.

* The demo songs are for your personal enjoyment only. Unauthorized use is a violation of applicable laws.

* No data for the music that is played will be output from the MIDI OUT connector.

R: Indicates settings saved in registrations (p. 29).
M: Indicates settings retained by the Memory Backup function (p. 33).

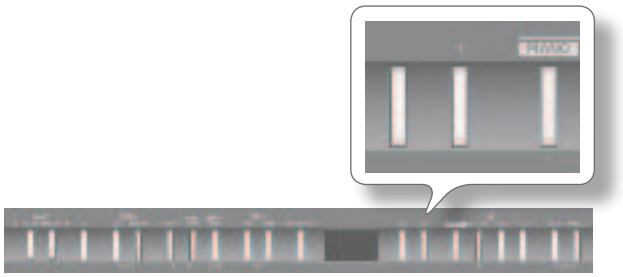
Performing with Various Sounds (R)

In addition to piano sounds, the FP-50 lets you enjoy performing with many other sounds (372 different tones).

These sounds are called "Tones." The tones are organized into four groups, and each group is assigned to a TONE button.

Switching Tones

Let's start by performing with a piano tone.



1. Press the [PIANO] button to select the tone group.

The currently selected tone number and tone name are displayed.



Tone groups

Button	Explanation
[PIANO] button	Allows you to select various historical instruments, including grand pianos, or harpsichords.
[E. PIANO] button	Allows you to select various electric piano sounds used in pop or rock, as well as the sound of instruments played using mallets.
[STRINGS] button	Allows you to select the sounds of string instruments such as violins, as well as other instruments used in orchestras, which are appropriate when used for Dual Play with a piano sound.
[OTHER] button	This button selects organ, vocal, brass, and GM2 tones. If you've selected a tone to which the rotary effect is applied, pressing the [OTHER] button will switch the speed of the rotary effect.

REFERENCE

For details on the tones, refer to "Tone List" (p. 50).

2. Use the [–] [+] buttons to select the tone variation.

* For some tones, there are keys that produce no sound.

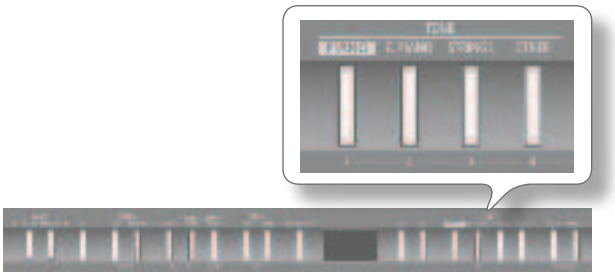
MEMO

When playing a tone that uses tremolo or has a vibrating quality, you can adjust the speed of the modulation by holding down the current TONE button and pressing the [◀] [▶] (SLOW/FAST) buttons.

Performing with Two Layered Tones (Dual Play)

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

As an example, here's how to layer piano and strings tones.



1. Hold down the [PIANO] button and press the [STRINGS] button.

Both buttons will light.

When you play the keyboard, you'll hear both the piano and the strings tones.

Tone name	Corresponding button	How to select tones
Tone 1	The left-most of the lit TONE buttons	Press the [–] [+] buttons.
Tone 2	The right-most of the lit TONE buttons	While holding down the TONE button for Tone 2, and press the [–] [+] buttons.

* You can't use Dual Play simultaneously with Split Play (p. 15).

* For some combinations of sounds, the effect is not applied to tone 2, and this may affect how the tone sounds.

2. To exit Dual Play, press one of the TONE buttons.

MEMO

- You can adjust the volume balance of the two tones (p. 38).
- You can shift the pitch of tone 2 in steps of an octave (p. 38).
- When you press the damper pedal while using Dual Play, the effect will be applied to both tone 1 and tone 2. If desired, you can have the effect be applied to only one of the tones (p. 39).

Playing Different Tones with the Right and Left Hands (Split Play)

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

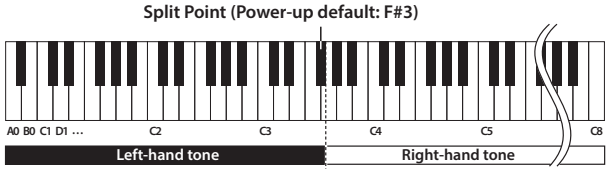
This feature is called "Split Play," and the key at which the keyboard is divided is called the "Split Point."



1. Press the [SPLIT] button.

The [SPLIT] button will light, and the split screen appears.

When Split is turned on, the keyboard settings will be as follows.

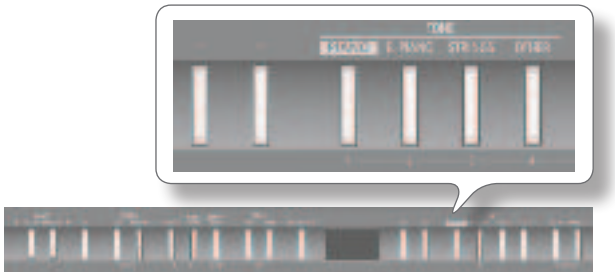


2. To exit Split Play, press the [SPLIT] button once again.

MEMO

You can adjust the volume balance of the right-hand and left-hand tones (p. 38).

Changing the right-hand tone



1. Press the TONE button.

The number and name of tone currently selected for the right-hand zone are shown.



2. Press the [–] [+] buttons.

A different tone is selected.

Changing the left-hand tone



1. Hold down the [SPLIT] button and press the TONE button.

The number and name of the tone currently selected for the left-hand zone are shown.



2. Hold down the [SPLIT] button and press the [–] [+] buttons.

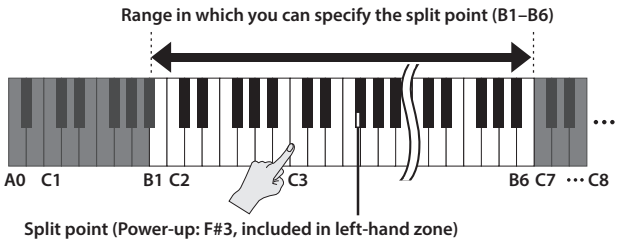
A different tone is selected.

MEMO

You can shift the pitch of the left-hand tone in steps of an octave (p. 38).

Changing the split point





1. Hold down the [SPLIT] button and press the key that you want to be the split point.

The key you pressed becomes the new split point, and that key will be shown in the display.

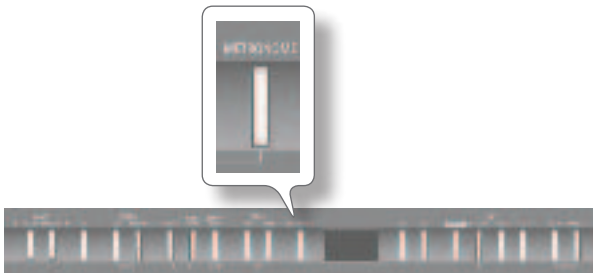


Performing with the Metronome

You can sound the metronome while you play.

You can also change the metronome's tempo and time signature.

If a song or rhythm is playing, the metronome will sound according to the song or rhythm's tempo and time signature.



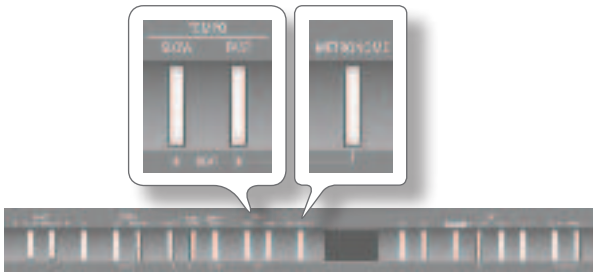
1. Press the [METRONOME] button.

The [METRONOME] button will blink, and the metronome will sound.

The [METRONOME] button will blink red and green according to the currently selected time signature; red indicates the strong beats, and green indicates the weak beats.

2. To stop the metronome, press the [METRONOME] button once again.

Changing the Metronome's Tempo



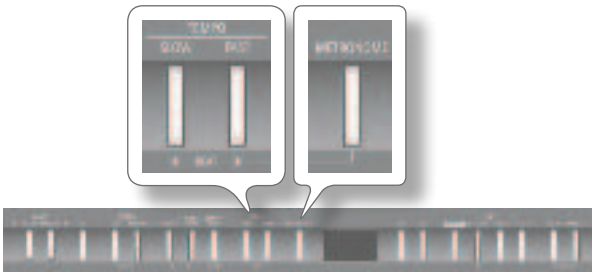
1. Press the [METRONOME] button.

The metronome will sound.

2. Press the [◀] [▶] (SLOW/FAST) buttons.



Changing the Metronome's Time Signature



1. While holding down the [METRONOME] button, use the [◀] [▶] (SLOW/FAST) buttons.



If you select "0/4," only the weak beats will sound.

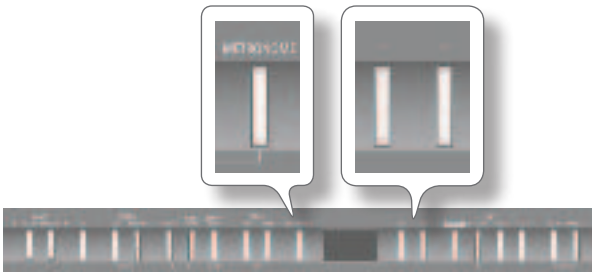
When you record your performance, it will be recorded using the time signature you specify here.

When you play back a song or rhythm, the metronome's time signature will be set to the time signature of that song or rhythm.

Value	2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8

* You can't change the metronome's time signature while a song or rhythm is playing.

Changing the Metronome's Volume



1. While holding down the [METRONOME] button, press the [–] [+] buttons.

The display will indicate the metronome's volume.



Value	Explanation
0–10	If the metronome's volume is set at "0," you won't hear the metronome.

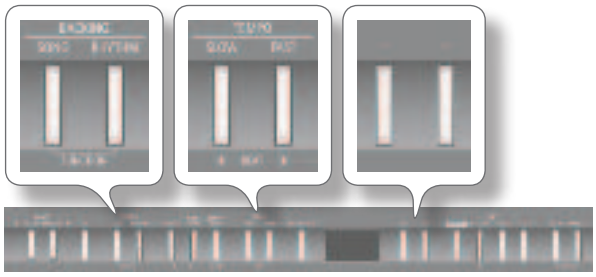
Adjusting the Sound to Your Taste

The FP-50 lets you add reverberation or modify the tone color.

Adding Reverberation (Ambience) (R)

You can add a pleasant reverberation to the sounds of the FP-50, producing the impression that you are performing in a concert hall.

This effect is called "Ambience."



1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Press the [◀] [▶] (SLOW/FAST) buttons to choose "Ambience."



3. Use the [–] [+] buttons to adjust the value.

Value	Explanation
OFF, 1–10	Higher values apply deeper ambience.

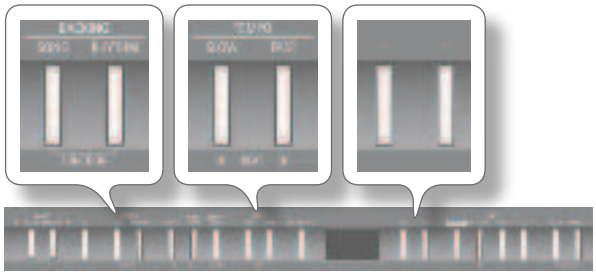
4. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

* The ambience depth cannot be set individually for each tone. The same amount of ambience is applied to each tone.

Adjusting the Tone Color (Equalizer) (M)

You can use the equalizer to adjust the sound's tone color.

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



1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Use the [◀] [▶] (SLOW/FAST) buttons to select "EQ SW."

3. Use the [–] [+] buttons to adjust the value.

Value	Explanation
ON	Equalizer is on.
OFF	Equalizer is off.

4. Use the [◀] [▶] (SLOW/FAST) buttons to select "EQ Edit."

5. Press the [METRONOME] button.

The equalizer screen appears.



6. Press the [◀] [▶] (SLOW/FAST) buttons to choose an equalizer parameter.

Parameter	Value	Explanation
EQ Lo Gn (Equalizer Low Gain)	-12–+12 dB	Adjusts the level of the low-frequency range.
EQ Lo Fq (Equalizer Low Freq)	100–1 k (Hz)	Frequency point in the low-frequency range. This changes the level at and under the specified bandwidth.
EQ LM Gn (Equalizer Low-Mid Gain)	-12–+12 dB	Adjusts the level of the low-to mid-frequency range.
EQ LM Fq (Equalizer Low-Mid Freq)	16–16 k (Hz)	Frequency point in the low- and mid-frequency range. This changes the level of the specified bandwidth centered on this frequency.
EQ LM Q (Equalizer Low-Mid Q)	0.5, 1.0, 2.0, 4.0, 8.0	Changes the bandwidth of the low- and mid-frequency range. The bandwidth affected narrows as the value increases.
EQ HM Gn (Equalizer High-Mid Gain)	-12–+12 dB	Adjusts the level of the mid- to high-frequency range.
EQ HM Fq (Equalizer High-Mid Freq)	16–16 k (Hz)	Frequency point in the mid- and high-frequency range. This changes the level of the specified bandwidth centered on this frequency.
EQ HM Q (Equalizer High-Mid Q)	0.5, 1.0, 2.0, 4.0, 8.0	Changes the bandwidth of the mid- and high-frequency range. The bandwidth affected narrows as the value increases.
EQ Hi Gn (Equalizer High Gain)	-12–+12 dB	Adjusts the level of the high-frequency range.
EQ Hi Fq (Equalizer High Freq)	1.25–16 k (Hz)	Frequency point in the high-frequency range. This changes the level at and over the specified bandwidth.

7. Use the [–] [+] buttons to change the setting.

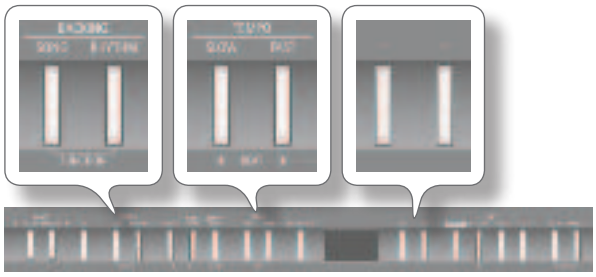
* Sounds may become distorted as the gain level increases.

8. Press the [REC] button to return to the previous screen.

9. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

Adjusting the Keyboard Response (Key Touch) Ⓡ

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



1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Use the [◀] [▶] (SLOW/FAST) buttons to select "Key Touch."



3. Use the [–] [+] buttons to adjust the value.

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

4. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

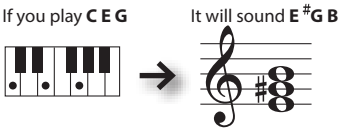
Shifting the Pitch (Transpose) Ⓡ

"Transpose" means to shift the pitches of songs and the keyboard.

The Transpose function makes it easy to do the following.

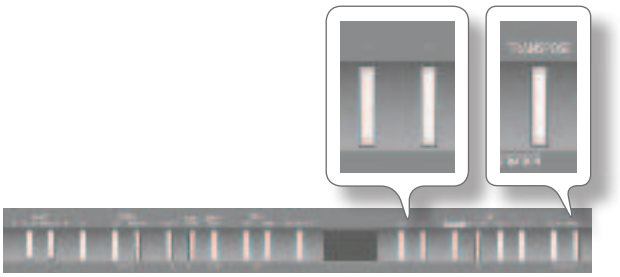
- You can use unchanged fingering to accompany a singer who is singing in a key different than the original music.
- A song written in a difficult key with numerous sharps (♯) or flats (♭) can be performed in a key that's easier for you to play.

For example, if the song is written in E major but you want to play it using the fingering of the key of C major, you would set Transpose to "4."



MEMO

- With the factory settings, both the song and the keyboard will be transposed. If you want to transpose only the keyboard or only the song, make the appropriate setting as described in "Specifying What to Transpose (Transpose Mode)" (p. 38).
- You can also transpose audio files (p. 23).



1. Press the [TRANSPOSE] button.

The [TRANSPOSE] button will light.

2. While holding down the [TRANSPOSE] button, press the [–] [+] buttons.

The display will indicate the amount of transposition.



Value	Explanation
-6–0–+5 (semitone steps)	Positive (+) values raise the pitch in semitone steps, and negative (-) values lower the pitch in semitone steps.

MEMO

You can also specify this value by holding down the [TRANSPOSE] button and playing the note that is the tonic of the key to which you want to transpose.

* If you select a different song, the transposition setting will be canceled.

3. To cancel the transposition, press the [TRANSPOSE] button once again.

The [TRANSPOSE] button will go out.

Adding Accompaniment to Your Performance

Playing Along with a Rhythm

Let's look at how to set up and play rhythm backings.

About the FP-50's rhythm

The FP-50 can automatically match its rhythmic accompaniment to the chords that you play on the keyboard. This feature is called "rhythm."

The FP-50 contains 90 built-in rhythms in various musical styles, such as jazz and rock.

Rhythms include not only drum sounds, but also accompaniments featuring instruments such as piano, guitar, bass, and strings.

You can also add intros and endings to your rhythms, and insert fill-ins. These features make it easy to develop effective and expressive rhythmic accompaniment.

Rhythm Flow

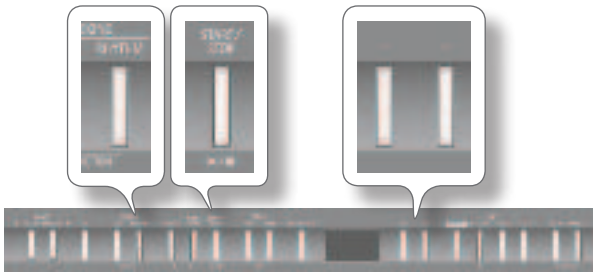


MEMO

You can limit the rhythm part to drums, or select other parts for the rhythm (p. 21).

Selecting and Playing a Rhythm

Here's how to select a rhythm, start it, and play along with it.



1. Press the [RHYTHM] button.

The [RHYTHM] button will light and the rhythm screen appears.

2. Hold down the [RHYTHM] button, and press the [–] [+] buttons to select the category.



3. Press the [–] [+] buttons to select a rhythm.

4. Press the [START/STOP] button.

The FP-50 starts playing the selected rhythm.

When you play a chord, the rhythm performs according to the chord you play.

To turn rhythm play off, press the [START/STOP] button once again.

REFERENCE

For details on the available rhythms, refer to "Rhythm List" (p. 52).

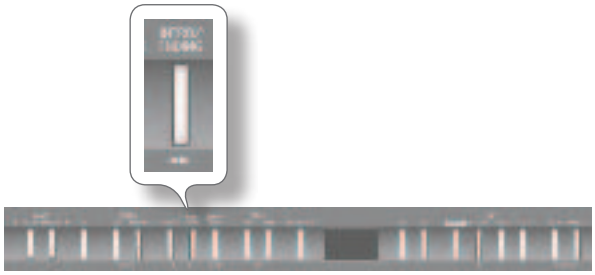
MEMO

- It's not necessary to strike all the notes of each chord. The FP-50 recognizes various alternative chord voicings (p. 39).
- You can display the chord of the current rhythm by pressing the [RHYTHM] button in the rhythm screen.
  However, in some chords, may become the abbreviated.



Adding an Intro

Here's how to add an intro to the rhythm.



1. Press the [INTRO/ENDING] button.

The [INTRO/ENDING] button will light.

2. Play a rhythm.

Now you'll hear the intro first, followed by the rhythm.

When the intro is completed, the [INTRO/ENDING] button will go out.

MEMO

The intro will last longer if the Variation feature is enabled (if the [VARIATION] button is lit).

Adding an Ending

Here's how to add an ending to the rhythm.



1. Play a rhythm.

2. Press the [INTRO/ENDING] button.

The ending will play, and then the rhythm will stop.

MEMO

The ending will last longer if the Variation feature is enabled (if the [VARIATION] button is lit).

Adding Variation to the Rhythm

Two rhythm accompaniment patterns are available: the original accompaniment pattern and a more colorful variation accompaniment pattern.

Performers often find it effective to start with the more laid back original pattern, then switch to the variation as energy builds during the latter part of the song.



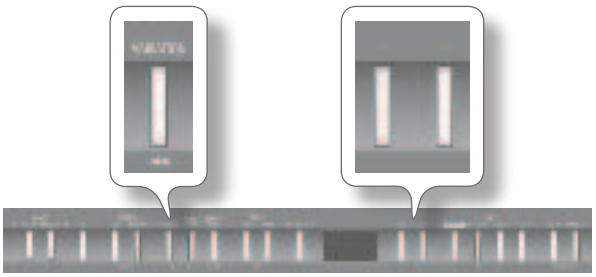
1. Press the [VARIATION] button to switch the accompaniment pattern.

[VARIATION] button	Explanation
Unlit	The original accompaniment pattern is playing.
Lit	The variation accompaniment pattern is playing.

Inserting a Fill-In

You can insert a short phrase, called a "fill-in," to your accompaniment.

Fill-ins help add variety to your performances.



1. Hold down the [VARIATION] button and press the [–] [+] buttons.



Value	Explanation
ON	Insert the fill-in.
OFF	Do not insert the fill-in.

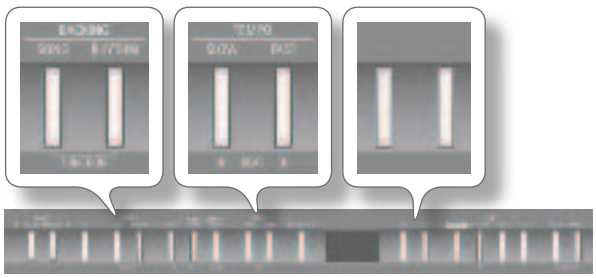
The [VARIATION] button blinks while the fill-in is playing.

What's a "Fill-In"?

A short improvisational phrase inserted at the transition is called a "Fill-In." The fill-in best suited to the selected Rhythm is played.

Selecting Specified Rhythm Parts

As an example, proceed as follows to select a drum-only rhythm part.



1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Use the [◀] [▶] (SLOW/FAST) buttons to select "Rhy.Part."



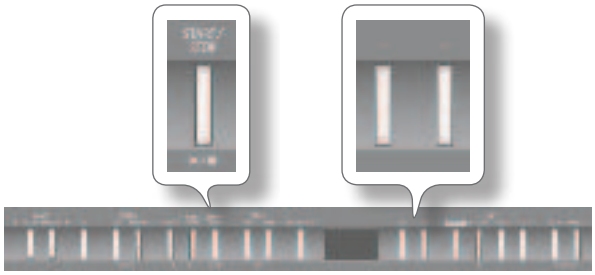
3. Press the [–] [+] buttons to adjust the value.

Value	Explanation
ALL	Play all parts.
DR+B	Play only the drum and bass parts.
BASS	Play only the bass part.
DRUM	Play only the drum part.

4. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

Starting the Rhythm by Playing a Chord (Sync Start)

You can have the rhythm start playing when you press a key.



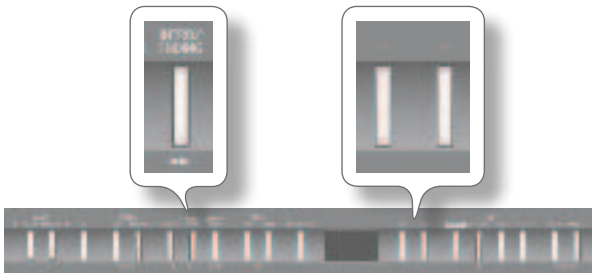
1. Hold down the [START/STOP] button and press the [–] [+] buttons.



Value	Explanation
ON	The rhythm starts playing when you press a key.
OFF	The rhythm does not start playing when you press a key.

Holding the Last Chord (Chord Hold)

When you play a chord, the rhythm performs according to the chord you play, and the chord continues to sound until you press another chord. This feature is called "Chord Hold."



1. Hold down the [INTRO/ENDING] button and press the [–] [+] buttons.



Value	Explanation
ON	Continue chord's rhythm until you play another cord.
OFF	All parts play while you hold down the chord. When you lift fingers off keys, the drum part continues but all other parts stop. You can create a jazz four verse by having the drums play by themselves, feature the piano accompaniment, etc.

Playing Along with a Song

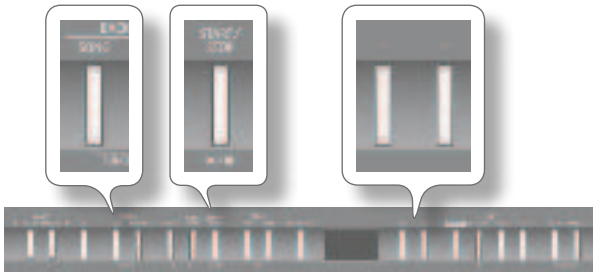
You can play the keyboard along with a song.

Selecting and Playing a Song

Listen to the available songs. The FP-50 comes with 30 built-in songs.

You can also play songs stored on USB flash drives (sold separately).

* No data for the music that is played will be output from the MIDI OUT connector.



1. Press the [SONG] button.

The [SONG] button will light and the song screen appears.

2. Hold down the [SONG] button and press the [–] [+] buttons to select the category.



Category	Explanation
S (USB)	Songs saved on a USB flash drive
U (User)	Songs saved in internal memory
A (Preset)	Songs built into the FP-50

3. Now use the [–] [+] buttons to select a song.

MEMO

If you wish to select a song stored in a folder on a USB flash drive, you can navigate as follows.

- To move to a different folder: Use the [–] [+] buttons to select the desired folder, and then press the [▶/■] button.
- To select a song within the folder: Use the [–] [+] buttons.
- To move out of a folder: Press the [–] button to select "(Fld.Up)," and then press the [▶/■] (Play/Stop) button.

* The screen accurately displays up to 499 files and subfolders within each folder. If the folder exceeds this limit, some items may be missing from the display.

4. Press the [▶/■] button to start the song.

The song plays out, and then playback stops.

You can pause the song by pressing the [▶/■] button once again.

You can then restart by pressing the [▶/■] button.

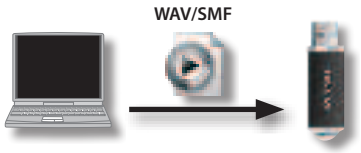
MEMO

If the metronome is on, a two-bar count-in precedes the song start.

Using the Buttons

[▶▶] button	Fast-forwards the song.
[◀◀] button	Rewinds the song.
[▶/■] button	Starts or stops song play. Starts or stops recording.
[▶/■] button + [◀◀] button	Returns to the start of the song. (While holding down the [▶/■] button, press the [◀◀] button.)

Playing a WAV or MIDI (SMF) file stored on your computer



1. Copy the song data to a USB flash drive.

2. Connect the USB flash drive into the FP-50's USB MEMORY port.

3. At the song screen, select "S" as the category.

4. Select the desired song from the list on the display.

Supported song formats

The FP-50 can play data stored in the following formats.

- SMF formats 0/1
- Roland Piano Digital format (i-format)
- Audio files: WAV format, 44.1 kHz, 16-bit linear

Playing Songs Consecutively (All Song Play)

You can consecutively play back all of the built-in songs, the songs saved in internal memory, or the songs saved on a USB flash drive.

This is called "All Song Play."

1. Hold down the [SONG] button and press the [–] [+] buttons to select the category.

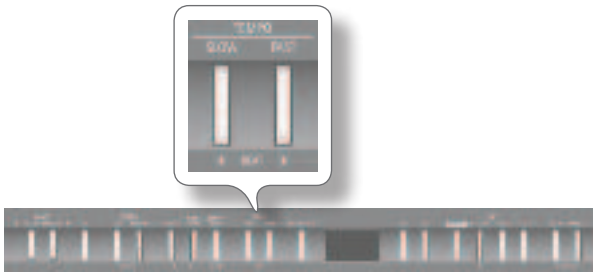
2. Hold down the [SONG] button and press the [▶/■] button.

"All Songs Play" mode is selected, and the [▶/■] button starts blinking.

* To cancel "All Song Play" mode, stop the playback or turn off the power.

Adjusting the Song's Tempo

Here's how to change a song's tempo.



1. Press the [◀] [▶] (SLOW/FAST) buttons.

MEMO

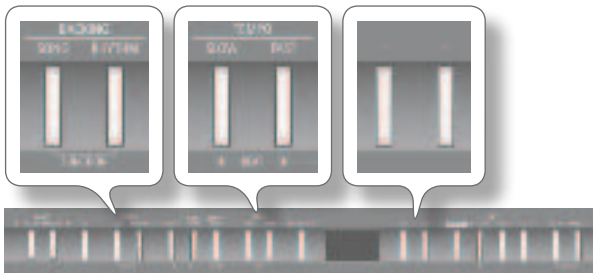
The adjustable range for an audio file is 75–100–125%.

2. To return the tempo to its original setting, press the [◀] (SLOW) and [▶] (FAST) buttons simultaneously.

Lower the Level of an Audio File's Central Sound (Center Cancel)

This feature lets you reduce the loudness of the central sound of the audio. You can use it, for example, to reduce the level of a melody or vocal, so that you can perform the part yourself.

* This feature does not work perfectly with every song. In some cases it may be unable to fully eliminate the central sound, or may alter the recording's tone quality.
* Damper Resonance (p. 38) is not applied while Center Cancel is on.



1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Use the [◀] [▶] (SLOW/FAST) buttons to select "C Cancel."



3. Use the [–] [+] buttons to adjust the value.

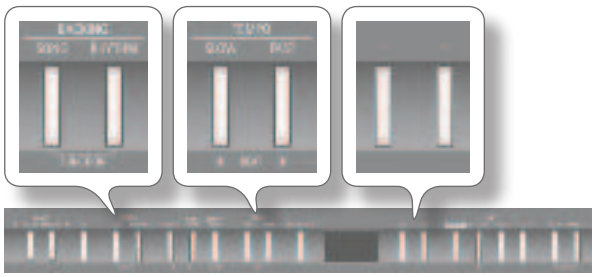
Value	Explanation
ON	Lower the central sound when playing.
OFF	Play normally.

4. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

Transposing an Audio File (Audio Transpose) R

The selected audio file can be transposed for playback.

* In some cases, transposition (a transpose setting other than 0) may cause a change in the song's tone quality.
* If you select a different song, the audio transposition setting will be reset.



1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Use the [◀] [▶] (SLOW/FAST) buttons to select "AudTrans."

3. Press the [–] [+] buttons to adjust the value.

Value	Explanation
-6–0–+5 (semitone steps)	Sets the transposition amount, in semitones. Positive values transpose the pitch upward; negative values transpose it downward.

4. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

MEMO

You can also change the Audio Transpose setting by holding down the [TRANSPOSE] button and pressing one of the [◀] [▶] (SLOW/FAST) buttons.

Recording Your Performances

It's easy to record a performance.

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

The FP-50 can record performances into both MIDI files (SMF files) and audio files.

SMF and audio recording

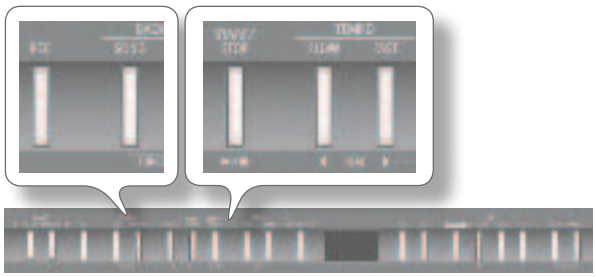
File Type	Explanation
SMF recording	A collection of data describing everything that happened while the music was played will be recorded. Such data will include information about which keys (pitches) were played, for how long, what amount of force was applied, etc. * In most cases you should use SMF recording.
Audio recording	An audio file stores actual sound data. You can easily play these recordings on your computer. * In order to use audio recording, you must connect a USB flash drive (sold separately) to the USB MEMORY port (p. 10).

* SMFs (Standard MIDI Files) use a standard format for music file that was formulated so that files containing music file could be widely compatible, regardless of the manufacturer of the listening device. An enormous variety of music is available, whether it be for listening, for practicing musical instruments, for Karaoke, etc.

SMF Recording

Here's how to record your performance as an SMF file.

Preparing to record



1. Select the tone that you want to play on the keyboard (p. 14).

2. If desired, you can select an accompaniment to be played while you're recording.

MEMO

Refer to "Selecting and Playing a Song" (p. 22) if you want to select a song, or "Selecting and Playing a Rhythm" (p. 19) if you want to select a rhythm.

* You cannot record an audio file as an accompaniment.

3. Start the metronome if desired (p. 16).

4. Press the [REC] button.

The display shows the message "New Song."

The [REC] button lights up, the [▶/■] button blinks, and the FP-50 enters recording-standby mode.



If you decide not to record, press the [REC] button once again.

MEMO

You can re-record only the music you played within a recording you made of yourself playing along while an accompaniment was played.

In this case, select the song you previously recorded in step 2, and then press the [+] button.

Starting and stopping recording

1. Press the [▶/■] button.

You'll hear a two-measure count-in (the measure number in the display shows "-2" and then "-1"), and then recording starts.

When recording starts, the [REC] and [▶/■] buttons light.

MEMO

You can also initiate recording by hitting a key on the keyboard. If you start this way, recording starts immediately (without the count-in).

2. Press the [▶/■] button.

Recording stops, and the save confirmation screen appears.



MEMO

- While a rhythm is playing, you can press the [INTRO/ENDING] button to start playing the ending and stop recording.
- If you want to check your performance, press the [▶/■] button in the save confirmation screen to start playback.

Saving a recorded performance

* If you want to save to a USB flash drive (sold separately), plug the drive into the USB MEMORY port before proceeding.

1. Press the [⏵] (FAST) button.

If a USB drive is present in the USB MEMORY port, the recording is saved into the drive. Otherwise the recording is saved into internal memory.

By default, the recorded song is given the name "Song" followed by a free song number.

NOTE

Do NOT turn off the power or disconnect the USB flash drive while "Working." is displayed.

MEMO

You can select where the recording will be saved and assign a name to your recording (p. 26).

Erasing a recorded performance

1. Press the [◀] (SLOW) button.

A confirmation message appears.



If you decide not to delete the performance, press the [◀] (SLOW) button once again.

2. Press the [▶] (FAST) button.

The recording is erased.

Listening to a recorded performance

1. Press the [▶/■] button.

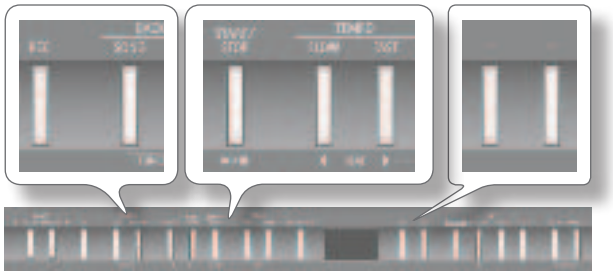
Playback starts from the beginning of the recorded performance.

Audio Recording

Here's how to record your performance as audio data. The recorded song can be used on your computer.

* In order to use audio recording, you must connect a USB flash drive (sold separately) to the USB MEMORY port (p. 10).

Preparing to record



1. Connect a USB flash drive (sold separately) to the USB MEMORY port (p. 10).

* Audio data cannot be saved into internal memory.

2. Hold down the [REC] button and press the [–] [+] buttons to select "Audio."

3. Select the tone that you want to play on the keyboard. (p. 14)

4. If desired, you can select an accompaniment to be played while you're recording.

MEMO

Refer to "Selecting and Playing a Song" (p. 22) if you want to select a song, or "Selecting and Playing a Rhythm" (p. 19) if you want to select a rhythm.

* You cannot record an audio file as an accompaniment.

5. Start the metronome if desired (p. 16).

6. Press the [REC] button.

The display shows the message "New Song."

The [REC] button lights up, the [▶/■] button blinks, and the FP-50 enters recording-standby mode.



If you decide not to record, press the [REC] button once again.

MEMO

If you select a song in step 4 that has already been recorded, press the [+] button.

Starting and stopping recording

1. Press the [▶/■] button.

Recording starts and the [REC] and [▶/■] buttons light.

2. Press the [▶/■] button.

Recording stops, and the save confirmation screen appears.



MEMO

- When an ending is playing and the rhythm stops, or when performing until the end of a song, recording continues so that the final sustained sound is recorded, and therefore recording does not stop automatically.
- If you want to check your performance, press the [▶/■] button in the save confirmation screen to start playback.

Saving a recorded performance

1. Press the [▶] (FAST) button.

The recording is saved on the USB flash drive.

By default, the recorded song is given the name "AUDIO."

NOTE

Do NOT turn off the power or disconnect the USB flash drive while "Working." is displayed.

MEMO

You can select the save location and song name for your recording (p. 26).

Erasing a recorded performance

1. Press the [◀] (SLOW) button.

A confirmation message appears.



If you decide not to erase the performance, press the [◀] (SLOW) button once again.

2. Press the [▶] (FAST) button.

The recording is erased.

Listening to a recorded performance

1. Press the [▶/■] button.

Playback starts from the beginning of the recorded performance.

Setting the Save Destination and Song Name

You can select the save destination and song name for your recording.

1. Confirm that the save confirmation screen is displayed, and press the [METRONOME] button.

2. Press the [–] [+] buttons to select the desired storage location.

Display	Storage location
U (User)	Internal memory
S (USB)	USB flash drive

* Audio data cannot be saved in internal memory.

* "S (USB)" is available only if a USB flash drive (sold separately) is connected to the USB MEMORY port.

3. Press the [▶] (FAST) button.

The selection screen appears, so that you can set the destination-side song number for the recording.



4. Press the [–] [+] buttons to select the song number at the save destination.

If a song name is displayed when you select a song number, a song has already been saved in that number. If you select a song number that already contains a song, the recorded song will be overwritten.

If you do not want to overwrite the previously recorded song, select a song number that displays "(Empty)" as the song name.

5. Press the [▶] (FAST) button.

The Entry screen appears, where you can enter the desired song name.



6. Change the song name.

Button	Operation
[–] [+] buttons	Change the character.
[◀] [▶] (SLOW/FAST) buttons	Select the character to change.

* Note that character availability varies according to whether you are saving an SMF file or an audio file.

If you decide not to save the song, press the [REC] button.

7. Press the [METRONOME] button.

The song is saved.

NOTE

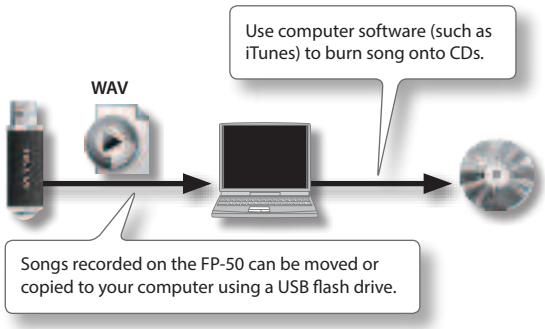
Do NOT turn off the power or disconnect the USB flash drive while "Working." is displayed.

Converting an SMF Recording into an Audio Recording

Converting from SMF to audio allows you to listen to the recordings on your computer. You can also use your computer to burn the song to a music CD, or upload it to the Internet.

Copying an audio recording to your computer

Page 28



To listen an audio recording, just connect the USB flash drive to your computer and then select and start the song.

To listen to an SMF recording on your computer, you should first convert it into an audio (WAV) file.

The FP-50 converts SMF files into 16-bit, 44.1 kHz WAV files.

You can use your computer to burn the audio files onto a CD, or upload them to the Internet.

1. Connect a USB flash drive (sold separately) to the USB MEMORY port (p. 10).

* Audio data cannot be saved into internal memory.

2. Press the [SONG] button.

3. Select the song that you want to convert (p. 22).

4. Hold down the [REC] button and press the [–] [+] buttons to select "Audio."

5. Press the [REC] button.

The display shows the message "New Song."

The [REC] button lights up, the [▶/■] button blinks, and the FP-50 enters recording-standby mode.



If you decide not to record, press the [REC] button once again.

6. Press the [+] button and select the song again you selected in step 3.

7. Press the [▶/■] button.

The song plays back, and conversion begins.

MEMO

If, during conversion, you play the FP-50 (using its keyboard or by controlling it with an external MIDI device) or those sounds will also be converted.

NOTE

- Do NOT turn off the power or disconnect the USB flash drive while conversion is in progress.
- Note that some SMF files may fail to produce perfect audio conversions.

8. Press the [▶/■] button.

Song playback stops, and the FP-50 converts the section that was just played. A confirmation message asks whether to save or erase the file.

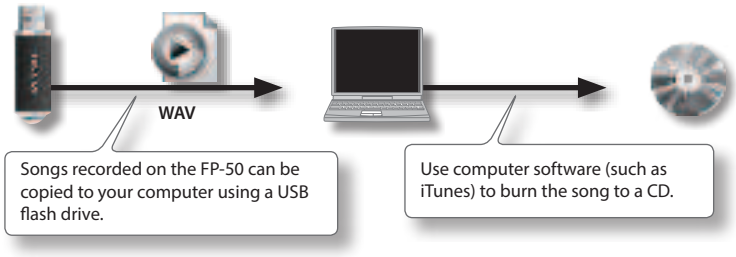
9. Choose whether to save or erase the converted file (p. 26).

Burning an Audio Recording (WAV file) onto a CD

After saving an audio recording to a USB flash drive, you can copy the recording to your computer and burn it to a CD. If you want to burn a CD from a song that you recorded as an SMF, you must first convert it to audio (WAV file) (p. 27).

To burn music from your computer to a CD, you will need to use appropriate software, such as "iTunes."

For instructions, refer to the user manual or online help for the software you are using.



Copying a recorded song to your computer

1. Connect the USB flash drive containing the song to your computer.



If you're using Windows, a "Removable disk" icon will appear in "Computer." If you're using Mac OS X, a "NO NAME" icon will appear on the desktop.

2. Double-click the icon.

The screen lists the contents of the USB drive.

The list includes the audio recording of the song (as a WAV file).

3. Copy the song (WAV file) that you want to burn to your computer's desktop or another location where you can easily find it.

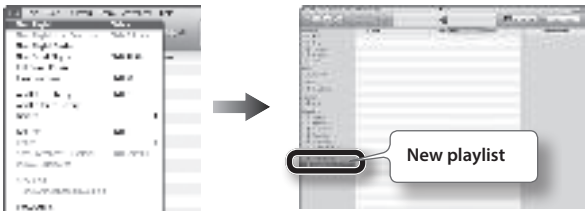


Using iTunes to burn the song to CD

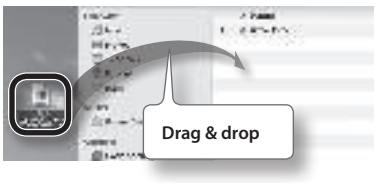
The following explanation uses iTunes 10 for Windows. If you're using a different version or other software, refer to its online help or owner's manual.

1. From the Start menu, click [All Programs] - [iTunes].

2. From the iTunes [File] menu, click [New Playlist] to create a playlist.

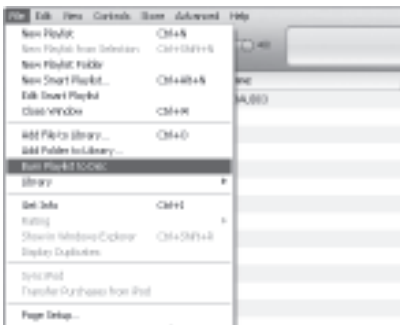


3. From the desktop (or other location) where you copied it, drag and drop the song (WAV file) to add it to the playlist you just created in step 2.



4. Insert a blank CD-R into your computer.

5. Select the playlist that you created in step 2, then open the [File] menu and click [Burn Playlist to Disc].



6. Enter the appropriate settings in the disc-creation dialog box, and then click the [Burn] button.



Saving Performance Settings (Registrations)

What Is a Registration?

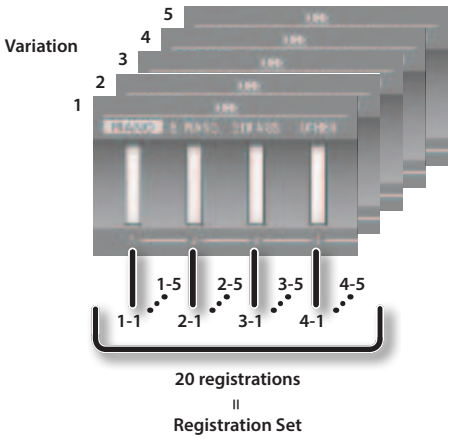
You can use the [1]–[4] buttons as registration buttons, and save settings such as those for the tones you've selected, the Dual Play or Split Play setting, and Rhythm settings.

Each set of these settings is called a "Registration."

After saving these registrations, you can recall them instantly during a performance.

The FP-50 has four registration buttons ([1]–[4]), and you can save five different registrations under each button. This means that you can save as many as 20 registrations.

An entire group of 20 registrations is called a "Registration Set."

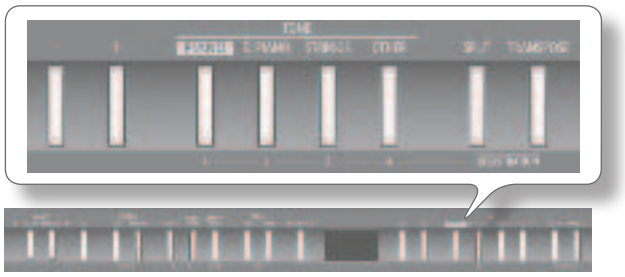


MEMO

- Within this manual, the "Ⓡ" icon identifies settings that are saved in a registration.
- For more about the settings saved in a registration, refer to "Settings Saved in Registrations" (p. 49).
- You can save registration sets to the FP-50's internal memory or to a USB flash drive (sold separately; p. 30).

Recalling a Registration

You can easily recall settings you've saved as registrations using the [1]–[4] buttons.



1. Press the [SPLIT] and [TRANSPOSE] buttons simultaneously.

The first time you access the registration screen after turning on the power, a screen like the following will appear.



2. Press a number button ([1]–[4]) 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. 40).
- You can reload registration sets that you've saved to internal memory or a USB flash drive (p. 31).

Saving Current Settings into a Registration

Saving Performance Settings as Registrations (Buttons [1]–[4]).

With the factory settings, recommended performance settings have already been stored. If you want to create an original registration, we suggest that you start with registrations 4-1 through 4-5.

NOTE

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



1. **Set the desired performance settings: tone, rhythm, and so on.**
2. **While holding down the [SPLIT] and [TRANSPOSE] buttons simultaneously, press a button from [1] to [4] to select the registration.**



3. **While continuing to hold down the [SPLIT] and [TRANSPOSE] buttons simultaneously, press a button the [–] [+] buttons to select a registration variation.**
4. **Release the [SPLIT] and [TRANSPOSE] buttons.**

The performance settings are saved.

NOTE

Do NOT turn off the power while "Working." is displayed.

MEMO

You can reset all registrations to their factory defaults. For details, refer to "Restoring the Factory Settings (Factory Reset)" (p. 35).

Saving a Registration Set (Save Registration Set)

You can save all registrations held in registration memory ([1]–[4]) into a registration set in internal memory or on 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 [SONG] and [RHYTHM] buttons simultaneously.**
2. **Press the [◀] [▶] (SLOW/FAST) buttons to select "SaveRgst."**



3. **Press the [METRONOME] button.**
4. **Press the [–] [+] buttons to select the destination memory.**

Display	Explanation
U (User)	Internal memory
S (USB)	USB flash drive

5. **Press the [▶] (FAST) button.**



6. **Press the [–] [+] buttons to select the destination number.**

If you see a registration name next to the number, the number is already in use.

If you choose to save to a used number, your new registration will replace the existing registration.

If you don't want to erase an existing registration, save to a number where the name column shows "(Empty)."

7. **Press the [▶] (FAST) button.**
8. **Renaming the registration set.**

Button	Operation
[–] [+] buttons	Change the character.
[◀] [▶] (SLOW/FAST) buttons	Select the character to change.

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

9. **Press the [METRONOME] button.**

The registration set is saved.

NOTE

Do NOT turn off the power while "Working." is displayed.

10. **Press the [SONG] and [RHYTHM] buttons simultaneously to finish.**

Loading a Saved Registration Set (Load Registration Set)

Load a registration set from internal memory or a USB flash drive into the registration buttons ([1]–[4]).

* 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 internal memory or a USB flash drive.

1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Press the [◀] [▶] (SLOW/FAST) buttons to select "LoadRgst."



3. Press the [METRONOME] button.

4. Press the [–] [+] buttons to select the destination memory.

Display	Explanation
U (User)	Internal memory
S (USB)	USB flash drive

5. Press the [▶] (FAST) button.



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

7. Press the [METRONOME] button.

A confirmation message appears.



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

8. Press the [▶] (FAST) button.

The registration set will be loaded into buttons [1]–[4] .

NOTE

Do NOT turn off the power while "Working." is displayed.

9. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

Copying a Saved Registration Set (Copy Registration Set)

You can copy saved registration sets from internal memory to a USB flash drive, or from a USB flash drive to internal memory.

1. Connect a USB flash drive (sold separately) to the USB MEMORY port (p. 10).

2. Press the [SONG] and [RHYTHM] buttons simultaneously.

3. Press the [◀] [▶] (SLOW/FAST) buttons to select "CopyRgst."



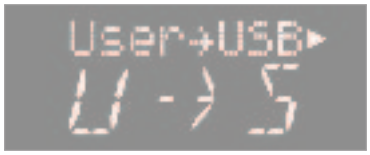
* The following steps are not available if there are no registration sets saved in internal memory,or if there is no USB flash drive is connected.

4. Press the [METRONOME] button.

5. Use the [–] [+] buttons to select the copy source and destination memory locations.

Display	Explanation
U→S	Copy from internal memory to a USB flash drive.
S→U	Copy from a USB flash drive to internal memory.

6. Press the [▶] (FAST) button.



7. Use the [–] [+] buttons to select the registration set to be copied.

If you select "ALL," all registration sets will be copied.

The registration sets will be copied to numbers in which no registration set is saved, starting with the number you selected as the copy-destination.

8. **Press the [▶] (FAST) button.**



9. **Press the [–] [+] buttons to select the copy-destination number.**

If you see a registration name next to the number, the number is already in use.

If you choose to copy to a used number, your new registration will replace the existing registration.

If you don't want to erase an existing registration, save to a number where the name column shows "(Empty)."

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

10. **Press the [METRONOME] button.**

The registration set is copied.

NOTE

Do NOT turn off the power while "Working." is displayed.

11. **Press the [SONG] and [RHYTHM] buttons simultaneously to finish.**

Deleting a Saved Registration Set (Delete Registration Set)

Here's how to delete a saved registration set from internal memory or USB flash drive.

1. **Press the [SONG] and [RHYTHM] buttons simultaneously.**

2. **Press the [◀] [▶] (SLOW/FAST) buttons to select "Del Rgst."**



* The following steps are not available if there are no registration sets saved in internal memory, or if no USB flash drive is connected.

3. **Press the [METRONOME] button.**

4. **Press the [–] [+] buttons to select the memory where the set you want to delete is located.**

Display	Explanation
U (User)	Internal memory
S (USB)	USB flash drive

5. **Press the [▶] (FAST) button.**



6. **Press the [–] [+] buttons to select the registration set that you want to delete.**

7. **Press the [METRONOME] button.**

A confirmation message appears.



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

8. **Press the [▶] (FAST) button.**

The selected registration set is deleted.

NOTE

Do NOT turn off the power while "Working." is displayed.

9. **Press the [SONG] and [RHYTHM] buttons simultaneously to finish.**

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

With the factory settings, the unit's power will automatically be switched off a certain amount of time after you stop playing or operating the unit.

If you don't need the power to turn off automatically, set "Auto Off" to the "OFF" setting as described below.

MEMO

This setting is automatically saved in the FP-50.

1. **Press the [SONG] and [RHYTHM] buttons simultaneously.**
2. **Press the [◀] [▶] (SLOW/FAST) buttons to select "Auto Off."**



3. **Press the [–] [+] buttons to adjust the value.**

Value	Explanation
OFF	The power will not turn off automatically.
10	The power will automatically turn off if no operation is performed for 10 minutes.
30 (default)	The power will automatically turn off if no operation is performed for 30 minutes.
240	The power will automatically turn off if no operation is performed for 240 minutes (4 hours).

4. **Press the [SONG] and [RHYTHM] buttons simultaneously to finish.**

Retaining Settings After Power-off (Memory Backup)

Temperament settings, equalizer settings, and other settings reset to their default values when the FP-50 is turned on.

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

MEMO

In this manual, the "M" icon indicates settings retained by the Memory Backup function.

REFERENCE

For a list of settings saved by Memory Backup, see "Items Stored by Memory Backup" (p. 49).

1. **Press the [SONG] and [RHYTHM] buttons simultaneously.**
2. **Press the [◀] [▶] (SLOW/FAST) buttons to select "Backup."**



3. **Press the [METRONOME] button.**

A confirmation message appears.



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

4. **Press the [▶] (FAST) button to select "Y" (Yes).**

Memory Backup will be carried out.

NOTE

Do NOT turn off the power while "Working." is displayed.

5. **Press the [SONG] and [RHYTHM] buttons simultaneously to finish.**

Copying a Saved Song (Copy Song)

You can copy a saved song from internal memory to a USB flash drive, or from a USB flash drive to internal memory.

* Audio files cannot be copied.

1. Connect a USB flash drive (sold separately) to the USB MEMORY port (p. 10).

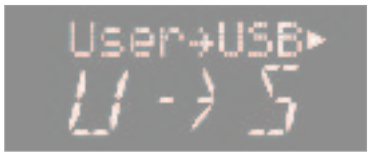
2. Press the [SONG] and [RHYTHM] buttons simultaneously.

3. Press the [◀] [▶] (SLOW/FAST) buttons to select "CopySong."



4. Press the [METRONOME] button.

The copy song screen appears.



5. Use the [–] [+] buttons to select the source memory and the destination memory.

Display	Explanation
U→S	Copy from internal memory to a USB flash drive.
S→U	Copy from a USB flash drive to internal memory.

6. Press the [▶] (FAST) button.



7. Press the [–] [+] buttons to select the song to copy.

MEMO

If you select "ALL," the FP-50 will copy all songs (other than audio files) from the source side.

8. Press the [▶] (FAST) button.



9. Press the [–] [+] buttons to select the copy-destination number.

If a song name is displayed when you select a song number, a song has already been saved in that number. If you select a song number that already contains a song, the recorded song will be overwritten.

If you do not want to overwrite the previously recorded song, select a song number that displays "(Empty)" as the song name.

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

10. Press the [METRONOME] button.

The selected song is copied.

NOTE

Do NOT turn off the power or disconnect the USB flash drive while "Working." is displayed.

11. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

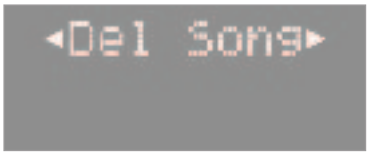
Deleting a Saved Song (Delete Song)

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

* If you want to delete a song from a USB flash drive, connect it to the USB MEMORY port before proceeding.

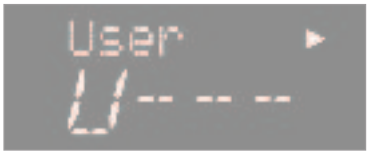
1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Press the [◀] [▶] (SLOW/FAST) buttons to select "Del Song."



3. Press the [METRONOME] button.

The delete song screen appears.



4. Press the [–] [+] buttons to select the memory that holds the song you want to delete.

Display	Explanation
U (User)	Internal memory
S (USB)	USB flash drive

5. Press the [▶] (FAST) button.



6. Press the [–] [+] buttons to select the song that you want to delete.

7. Press the [METRONOME] button.

A confirmation message appears.



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

8. Press the [▶] (FAST) button.

The selected song is deleted.

NOTE

Do NOT turn off the power or disconnect the USB flash drive while "Working." is displayed.

9. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

Disabling the Buttons (Panel Lock)

The Panel Lock feature disables all buttons.

You can use this feature to protect against accidental button presses during a performance.

1. Hold down the [TRANSPOSE] button until "Lock" appears in the display.

The Panel Lock feature disables all buttons.



2. To unlock the panel, hold down the [TRANSPOSE] button until "Lock" disappears.

Panel lock is also canceled when the FP-50 is turned off.

* If you activate Panel Lock while a song or rhythm is playing, playback will stop.
* Under the following circumstances, Panel Lock cannot be activated.
  - When the FP-50 is in Function mode (p. 37).
  - When recording a performance

Restoring the Factory Settings (Factory Reset)

Use this feature to return all settings stored in Memory Backup (p. 33) to their factory values. This feature is called "Factory Reset."

NOTE

A factory reset returns all of your saved settings to their factory values.

MEMO

Songs and registration sets that are saved in the internal memory or on a USB flash drive are not erased when you execute a factory reset.

If you want to erase all songs and registration sets from internal memory or from a USB flash drive, refer to "Reformatting Memory (Format Media)" (p. 36).

1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Press the [◀] [▶] (SLOW/FAST) buttons to select "FctReset."



3. Press the [METRONOME] button.

The factory reset screen appears.



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

4. Press the [▶] (FAST) button.

The memory is reset to its factory values.

Once the memory has been reset, "END" is displayed.

NOTE

Do NOT turn off the power while "Working." is displayed.

5. Turn the power off, then on again (p. 13).

Reformatting Memory (Format Media)



You can completely erase all songs 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. This erased data cannot be recovered. Please recheck the content of the memory before formatting it.
- If you're using new USB flash drive (sold separately) with the FP-50 for the first time, you'll need to initialize (format) the USB flash drive before using it. The FP-50 can't use USB flash drive that has not been initialized.
- If you see "Error" on the screen, please refer to "Error Messages" (p. 49).
- If you want to reformat a USB drive, please connect it to the USB MEMORY port before proceeding.

MEMO

Formatting the internal memory will not erase settings that are stored elsewhere.

If you wish to erase these other settings, perform a factory reset (p. 35).

1. Press the [SONG] and [RHYTHM] buttons simultaneously.

2. Press the [◀] [▶] (SLOW/FAST) buttons to select "Format."



3. Press the [METRONOME] button.

The format media screen appears.



4. Press the [–] [+] buttons to select the memory you want to format.

Display	Explanation
User	Internal memory
USB	USB flash drive

5. Press the [METRONOME] button.

A confirmation message appears.



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

6. Press the [▶] (FAST) button.

The memory is formatted.

NOTE

Do NOT turn off the power or disconnect the USB flash drive while "Working." is displayed.

7. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

Detailed Function Settings (Function Mode)

How to Use Function Mode

You can use Function Mode to configure performance and recording settings.

1. Press the [SONG] and [RHYTHM] buttons simultaneously.

FP-50 enters Function Mode.

2. Press the [◀] [▶] (SLOW/FAST) buttons to select the setting you want to change.

MEMO

Depending on the item you select, an additional screen may be displayed.

3. Press the [–] [+] buttons to adjust the value.

A description of the setting and its value are displayed.

To change other settings, repeat steps 2 and 3.

4. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

MEMO

Settings return to their default values as soon as you turn off the power.
You can save any changes you've made by using registrations (p. 29) and the Memory Backup function (p. 33).

R: Indicates settings saved in registrations (p. 29).
M: Indicates settings retained by the Memory Backup function (p. 33).

Parameter	Value	Explanation
KeyTouch (Key Touch)	Lets you adjust how the keyboard responds to the performer's playing force. R **REFERENCE** For details, refer to "Adjusting the Keyboard Response (Key Touch)" (p. 18).	
Ambience	You can add a pleasant reverberation to the sounds of the FP-50, producing the impression that you are performing in a concert hall. **REFERENCE** For details, refer to "Adding Reverberation (Ambience)" (p. 17).	
Tuning (Master Tuning)	**Matching the Pitch with Other Instruments (Master Tuning)** M When playing ensemble with other instruments and in other such instances, you can match the reference pitch with another instrument. 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 one or more other instruments, ensure that each instrument's standard pitch is in tune with that of the other instruments.	
	415.3–440.0–466.2 Hz	
Temprmnt (Temperament)	**Changing the Tuning System (Temperament)** M You can play classical music such as baroque pieces using their original tuning. Most modern songs are composed and played with the assumption that equal temperament (the most common tuning in use today) will be used, but when classical music was composed, there were a wide variety of other tuning systems in existence. Playing a composition with its original tuning lets you enjoy the sonorities of the chords that the composer originally intended.	
	EQU (Equal)	In this tuning, each octave is divided into twelve equal steps. Every interval produces about the same amount of slight dissonance.
	MAJ (Just (Major))	This tuning eliminates ambiguities in the fifths and thirds. It is unsuited to playing melodies and cannot be transposed, but is capable of beautiful sonorities.
	MIN (Just (Minor))	The Just tunings differ from major and minor keys. You can get the same effect with the minor scale as with the major scale.
	PYTH (Pythagorean)	This tuning, devised by the philosopher Pythagoras, eliminates dissonance in fourths and fifths. Dissonance is produced by third-interval chords, but melodies are euphonious.
	KIRN (Kirnberger)	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 (III).
	MEAN (Meantone)	This scale makes some compromises in just intonation, enabling transposition to other keys.
	WERC (Werckmeister)	This temperament combines the Meantone and Pythagorean tunings. Performances are possible in all keys (first technique, III).
	ARB (Arabic)	This tuning is suitable for the music of Arabia.
Tmpr Key (Temperament Key)	**Specifying a Song's Tonic (Temperament Key)** M 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 "Do" for a major key or to "La" for a minor key). If you choose an equal temperament, there's no need to select a temperament key.	
	C–B	

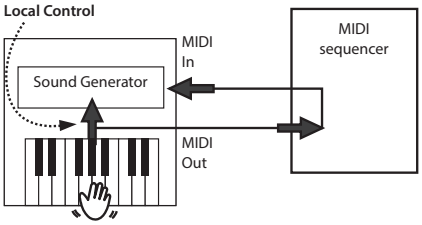
For details about how to make function mode settings, see p. 37.

Parameter	Value	Explanation
	Personalizing Your Piano (Piano Tone) M	
	Lets you personalize your piano sound by adjusting various elements that affect the sound: the piano's physical strings, the resonance produced by the pedals, the sound of hammers striking the strings, and more.	
Stretch (Stretch Tuning)	**OFF, ON**	This lets you specify the amount of "stretch tuning," a tuning method specifically for pianos, in which the high range is tuned slightly sharper, and the low range is tuned slightly flatter. If you select "ON," a standard tuning curve created for the FP-50 will be used.
Dmpr Res (Damper Resonance)	**OFF, 1–10**	This adjusts the damper resonance of the acoustic piano sound (the sympathetic vibration produced in strings other than those actually played when you press the damper pedal). Higher settings will make the sympathetic vibration louder.
Strg Res (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.
KOff Res (Key Off Resonance)	**OFF, 1–10**	This adjusts sympathetic vibrations such as an acoustic piano's key-off sound (the subtle sound that occurs when you release a note). Higher settings will make the sympathetic vibration louder.
Cabinet (Cabinet Resonance)	**OFF, 1–10**	Adjusts the body resonance of the grand piano itself. Higher values will produce a larger body resonance.
Sound Brd (Soundboard Behavior)	**OFF, 1–10**	When you play a chord, this setting improves the clarity of the individual notes in the chord, creating a more beautiful resonance. Higher settings produce a clearer resonance.
Trnspose (Transpose Mode)	**Specifying What to Transpose (Transpose Mode)** R	
	This setting specifies what the transpose will affect. You can use the transpose to change the pitch of both the song and the keyboard, the pitch of only the song, or the pitch of only the keyboard.	
	KBD	Keyboard only
	SONG	Song play only
	BOTH	Both keyboard play and song play
Dual Bal (Dual Balance)	**Adjusting the Dual Play Volume Balance (Dual Balance)** R	
	You can adjust the volume balance between the two tones (tone 1 and tone 2) used for Dual Play (p. 14).	
	MEMO During Dual play, you can also adjust the volume balance between tone 1 and tone 2 by holding down the TONE button and pressing the [◀BACKING] or [KEYBOARD▶] button.	
	9-1 (tone 1 is louder)–9-9 (same volume)–1-9 (tone 2 is louder)	
SplitBal (Split Balance)	**Adjusting the Split Play Volume Balance (Split Balance)** R	
	You can adjust the volume balance between the two tones (right-hand tone and left-hand tone) used for Split Play (p. 15).	
	MEMO During Split play, you can also adjust the volume balance between the right-hand tone and left-hand tone by holding down the TONE button and pressing the [◀BACKING] or [KEYBOARD▶] button.	
	9-1 (left-hand tone is louder)–9-9 (same volume)–1-9 (right-hand tone is louder)	
Oct Shft (Octave Shift)	**Changing the Pitch of the Tone in Octave Steps (Octave Shift)** R	
	You can change the pitch of the Tone 2 in Dual Play (p. 14) and Left-hand tone in Split Play (p. 15) an octave at a time. Altering the pitch in one-octave units in this way is called "Octave Shift." For example, you can raise the pitch of the Left-hand tone to the same pitch of the Right-hand tone in Split Play.	
	-2–0–+2 (octave)	
Rhy.Part (Rhythm Part)	You can select a drum-only rhythm part. R **REFERENCE** For details, refer to "Selecting Specified Rhythm Parts" (p. 21).	

Parameter	Value	Explanation
SplOnRcg (Split On Chord Recognize)	**Chord Recognition When Split Is On (Split-On Chord Recognition)** R	Sets how the FP-50 recognizes rhythm chords while Split Play is on. MEMO When Split Play is off, chords are recognized as follows. While the damper pedal is not pressed, the FP-50 recognizes a chord when 3 or more keys are struck. While the damper pedal is pressed, the FP-50 recognizes a chord when 1–5 keys are struck.
	STD	Normal chord recognition.
	INT	Play chords even when basic chord tones are missing. Allows you to generate chords with very simple keyboard playing. REFERENCE For details about chord fingering, see "Chord Fingering List" (p. 53).
	EASY	Allows you to specify chords with very simple keyboard playing. Major: Just play the chord root. Minor: Play the root and a black key to the left of the root. Seventh: Play the root and a white key to the left of the root. Minor Seventh: Play the root and both a white key and a black key to the left of the root.
EQ Sw (Equalizer Switch)	Turns the equalizer on and off. M REFERENCE For details, refer to "Adjusting the Tone Color (Equalizer)" (p. 17).	
EQ Edit (Equalizer Edit)	Modifies the tone color by boosting or attenuating different frequency ranges. M REFERENCE For details, refer to "Adjusting the Tone Color (Equalizer)" (p. 17).	
DPdl Prt (Damper Pedal Part)	**Changing How the Pedal Effects Are Applied (Damper Pedal Part)** R	When you press the pedal connected to the DAMPER/R jack during Dual Play or Split Play, the pedal effect is normally applied to both tones, but you can also select the tone to which the effect is to be applied.
	R+L	All enabled
	R	Applied only to the Tone 1 (in Dual Play mode)/Right-hand Tone (in Split Play mode)
	L	Applied only to the Tone 2 (in Dual Play mode)/Left-hand Tone (in Split Play mode)
CPdl Fnc (Center Pedal Function)	**Changing the Function of the Center Pedal (Center Pedal Function)** R	Use this feature to change the function of the pedal connected to the SOSTENUTO/C jack.
	SOST (Sostenuto) *1	Sets function to sostenuto pedal.
	SOFT *2	Sets function to soft pedal.
	EXPR (Expression) *3	Allows control of the volume. You may find it convenient to connect an expression pedal (EV-5: sold separately). Does not change the volume of rhythm play or recorded performance play.
	M.EXP (Master Expression)	Controls the overall volume of the FP-50.
	ST.SP (Start/Stop)	When the [RHYTHM] button is lit: Starts and stops rhythm play (same function as the [START/STOP] button). When the [SONG] button is lit: The pedal will have the same function as the [▶/■] button.
	IN.EN (Intro/Ending) *4	The pedal will have the same function as the [INTRO/ENDING] button.
	VARI (Variation) *4	The pedal will have the same function as the [VARIATION] button.
	RES.S (Rhythm Reset/Start) *4	When you depress the pedal, the selected rhythm begins playing from the top. This is convenient when you lose the beat or forget where you are in the song.
	HOLD (Chord Hold) *4	Turns chord holding on and off.
	FILL (Fill-In) *4	Inserts a fill-in.
	L.BSS (Leading Bass)	Allows control of the on/off of leading bass function. It is turned on while the pedal is depressed. **What is the leading bass function?** The function that sounds the lowest note of a fingered chord as the bass tone is called "Leading Bass." * The Leading Bass feature is always on while Split is off.
	B. UP (Bend Up) *3	Pitch rises when pedal is depressed.
	B.DWN (Bend Down) *3	Pitch is lowered when pedal is depressed.
	MOD (Modulation) *3	Vibrato is added when pedal is depressed.
	RTSW (Rotary Sw)	When using the rotary effect, switches the rotary effect between slow and fast.
	*1 Only works on the Center Pedal Function. *2 Only works on the Left Pedal Function. *3 Works only on the tone set as the corresponding pedal part (CPdl Prt or LPdl Prt). *4 Available when using a rhythm.	
CPdl Prt (Center Pedal Part)	**Changing How the Pedal Effects Are Applied (Center Pedal Part)** R	When you press the pedal connected to the SOSTENUTO/C jack during Dual Play or Split Play, the pedal effect is normally applied to both tones, but you can also select the tone to which the effect is to be applied.
	R+L	All enabled
	R	Applied only to the Tone 1 (in Dual Play mode)/Right-hand Tone (in Split Play mode)
	L	Applied only to the Tone 2 (in Dual Play mode)/Left-hand Tone (in Split Play mode)

For details about how to make function mode settings, see p. 37.

Parameter	Value	Explanation
LPdl Fnc (Left Pedal Function)	**Changing the Function of the Left Pedal (Left Pedal)** (R)	
	Use this feature to change the function of the pedal connected to the SOFT/L jack.	
	REFERENCE For a list of available functions, refer to "Changing the Function of the Center Pedal (Center Pedal Function)" (p. 39).	
LPdl Prt (Left Pedal Part)	**Changing How the Pedal Effects Are Applied (Left Pedal Part)** (R)	
	When you press the pedal connected to the SOFT/L jack during Dual Play or Split Play, the pedal effect is normally applied to both tones, but you can also select the tone to which the effect is to be applied.	
	R+L	All enabled
	R	Applied only to the Tone 1 (in Dual Play mode)/Right-hand Tone (in Split Play mode)
	L	Applied only to the Tone 2 (in Dual Play mode)/Left-hand Tone (in Split Play mode)
Rgst.Pdl (Registration Pedal Shift)	**Using a Pedal to Switch Registrations (Pedal Shift)**	
	You can assign a pedal to successively switch registrations. Each time you press the pedal, you will switch to the next registration.	
	OFF	Pressing a pedal connected to the SOFT/L jack or SOSTENUTO/C jack will not switch registrations. The functions assigned to the SOFT/L jack and SOSTENUTO/C jack will be available for use (p. 39).
	L.PDL	The pedal connected to the SOFT/L jack can be used only for switching registrations. In this case, the function assigned to the SOFT/L jack cannot be used.
	C.PDL	The pedal connected to the SOSTENUTO/C jack can be used only for switching registrations. In this case, the function assigned to the SOSTENUTO/C jack cannot be used.
AudTrans (Audio Transpose)	The selected audio file can be transposed for playback. (R) * For some songs, an audio transpose setting other than 0 may affect the tone quality of the sound. REFERENCE For details, refer to "Transposing an Audio File (Audio Transpose)" (p. 23).	
C Cancel (Center Cancel)	You can minimize the playback of sounds located in the center of the sound field (e.g., vocals or melody instruments) of the selected audio file. * For some songs, sounds located in the center might not disappear completely, or the tone color of the sound might be affected. REFERENCE For details, refer to "Lower the Level of an Audio File's Central Sound (Center Cancel)" (p. 23).	
Rec Mode (Recording Mode)	**Selecting the Recording Format (Recording Mode)**	
	Select whether performances are recorded in SMF format or audio format. MEMO You can also switch the recording mode by holding down the [REC] button and pressing the [–] [+] buttons.	
	SMF	Record as MIDI data. This data holds information about each note played (its pitch, duration, force, etc.). It does not hold any actual audio data.
	Audio	Record as audio data. The recorded song can be used in your computer.
CopySong (Copy Song)	Use this function to copy a song from internal memory to a USB flash drive, or from a USB flash drive to internal memory. REFERENCE For details, refer to "Copying a Saved Song (Copy Song)" (p. 34).	
Del Song (Delete Song)	Use this function to delete a song from internal memory or a USB flash drive. REFERENCE For details, refer to "Deleting a Saved Song (Delete Song)" (p. 34).	
SaveRgst (Save Regist. Set)	You can save all registrations held in registration memory ([1]–[4]) into a registration set that is saved in internal memory or to a USB flash drive. REFERENCE For details, refer to "Saving a Registration Set (Save Registration Set)" (p. 30).	
LoadRgst (Load Regist. Set)	Load a registration set from internal memory or a USB flash drive into the registration buttons ([1]–[4]). REFERENCE For details, refer to "Loading a Saved Registration Set (Load Registration Set)" (p. 31).	
CopyRgst (Copy Regist. Set)	Copy a saved registration set from internal memory to a USB flash drive, or from a USB flash drive to internal memory. REFERENCE For details, refer to "Copying a Saved Registration Set (Copy Registration Set)" (p. 31).	
Del Rgst (Delete Regist. Set)	Delete a saved registration set from internal memory or a USB flash drive. REFERENCE For details, refer to "Deleting a Saved Registration Set (Delete Registration Set)" (p. 32).	
Format (Format Media)	Formats internal memory or a USB flash drive, deleting all songs stored in that memory. REFERENCE For details, refer to "Reformatting Memory (Format Media)" (p. 36).	
	Sending Tone-Change Information (Transmit MIDI Information) (R)	
	When you switch registrations, the FP-50 simultaneously transmits the following: Program Change, Bank Select MSB, and Bank Select LSB. You can also set the transmit channel.	
RgstTxCh (Regist. Tx Ch.)	**OFF, 1–16**	Sets the Program Change transmit channel.
Rgst.MSB (Regist. Bank MSB)	**0 (00)–127 (7F)**	Sets the Bank Select MSB/LSB.
Rgst.LSB (Regist. Bank LSB)	**0 (00)–127 (7F)**	Sets the Bank Select MSB/LSB.
Rgst.PC (Regist. PC)	**1 (00)–128 (7F)**	Sets the Program Change number.

Parameter	Value	Explanation
LocalCtl (Local Control)		**Preventing Doubled Notes When Connected to a Sequencer (Local Control)** When you have a MIDI sequencer connected, set this parameter to Local Off. Since most sequencers have their Thru function turned on, notes you play on the keyboard may be sounded in duplicate, or get dropped. To prevent this, you can enable the "Local Off" setting, so that the keyboard and internal sound generator are disconnected. 
	OFF	Local Control is off. The keyboard and composer are disconnected from the internal sound generator. Playing the keyboard will not produce sound.
	ON	Local Control is on. The keyboard and composer are connected to the internal sound generator.
MIDI Ch (MIDI Transmit Channel)		**MIDI Transmit Channel Settings (MIDI Transmit Channel)** (R) This setting specifies the MIDI channel on which the FP-50 will transmit. MIDI uses sixteen "MIDI channels," which are numbered 1 through 16. By connecting MIDI devices and specifying the appropriate MIDI channel for each device, you can play or select sounds on those devices. The FP-50 will receive all sixteen channels (1–16).
	1–16	
VC Mode (Visual Control Mode)		**Controlling Video Equipment (Visual Control Mode)** Visual Control is a function that lets you control images along with your performance. If you've set Visual Control mode to MVC or V-LINK, playing the keyboard of the FP-50 will control the images produced by the Visual Control device connected to the FP-50 using a MIDI cable.
	OFF	Visual Control is off.
	MVC	MIDI Visual Control mode is selected.
	VLNK	V-LINK mode is selected.

What is MIDI visual control?

MIDI Visual Control is an internationally-used recommended practice that was added to the MIDI specification so that visual expression could be linked with musical performance. Video equipment that is compatible with MIDI Visual Control can be connected to electronic musical instruments via MIDI in order to control video equipment in tandem with a performance.

What is V-LINK?

V-LINK is Roland's proprietary specification that allows visual expression to be linked with musical performance.
Video equipment that is compatible with V-LINK can be connected to electronic musical instruments via their MIDI ports, making it easy to enjoy a variety of visual effects that are linked with the performance.

Connection examples

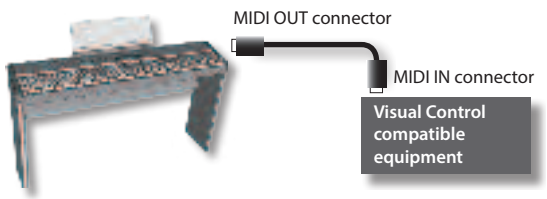
Connect a MIDI cable from the FP-50's MIDI Out connector (p. 11) to the MIDI In connector of your Visual Control compatible device.

* You'll need a MIDI cable (sold separately) in order to connect the FP-50 to a device that supports Visual Control.

Visual control function chart

Playing the lowest 12 keys of the FP-50 (A0–G#1) will transmit the following MIDI messages.

Visual Control Function	Transmitted MIDI Message	Operation on FP-50
Switch images	CC0 (Bank Select): 0–4	Play black keys
	Program Change: 1–7	Play white keys

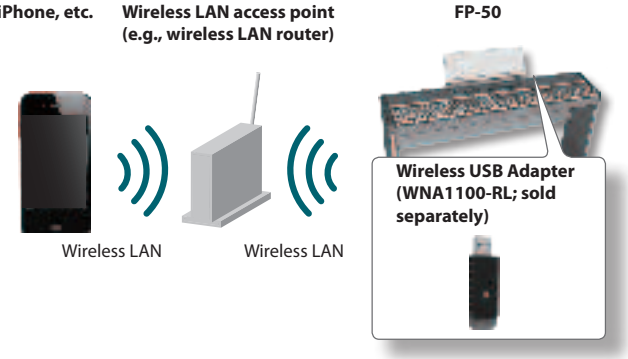


For details about how to make function mode settings, see p. 37.

Parameter	Value	Explanation
VC Ch (Visual Control Channel)	**Specifying the Visual Control Channel (Visual Control Channel)** Ⓜ	
	Here's how to specify the channel on which messages used to control video will be sent (Visual Control Channel).	
	1–16	Sets the MIDI channel used to transmit MIDI messages to the controlled video device.
USB Mode (USB Memory Mode)	**Changing the USB Flash Drive Mode (USB Memory Mode)**	
	In some cases, when USB flash drive is connected to the USB MEMORY port, it may take longer for data to be loaded, or data may fail to be loaded successfully. If this occurs, you may be able to solve the problem by changing the USB flash drive setting. Normally, there is no need to make this setting. **MEMO** This setting is automatically saved in the FP-50.	
Auto Off	With the factory settings, the unit's power will automatically be switched off a certain amount of time after you stop playing or operating the unit. If you don't want the power to turn off automatically, change the "Auto Off" setting to "OFF." **REFERENCE** For details, refer to "Making the Power Automatically Turn Off After a Time (Auto Off)" (p. 33). **MEMO** This setting is automatically saved in the FP-50.	
Backup (Memory Backup)	The FP-50 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. **REFERENCE** For details, refer to "Retaining Settings After Power-off (Memory Backup)" (p. 33).	
FctReset (Factory Reset)	A factory reset returns all Function Mode settings to their factory defaults. **REFERENCE** For details, refer to "Restoring the Factory Settings (Factory Reset)" (p. 35).	
Wireless	You can easily use popular wireless applications, such as the iPhone app, with the FP-50. To enable wireless use, just connect the WNA1100-RL wireless USB adapter (sold separately) to the USB MEMORY port. **REFERENCE** For details, refer to "About the Wireless LAN Function" (p. 43). **MEMO** This setting is automatically saved in the FP-50.	

What Is Wireless LAN Function?

By connecting a wireless USB adapter (WNA1100-RL; sold separately) to the FP-50, you can use wireless-connectivity applications, such as the iPhone app.



What you need to use wireless LAN

- ☐ A wireless USB adapter (WNA1100-RL; sold separately) *4
- ☐ Wireless LAN access point (e.g., wireless LAN router) *1 *2 *3
- ☐ iPhone, etc.

*1 Note that your wireless LAN access point should support the WPS standard. If it doesn't, you can connect by following the procedure in "Connecting to a Wireless LAN Access Point That You Select (Select AP)" (p. 44).

*2 The ability to connect with all kinds of wireless LAN access points is not guaranteed.

*3 If you're unable to connect to the wireless LAN access point, try connecting using Ad-Hoc mode (p. 45).

*4 In some countries, the Wireless USB Adapter is not sold due to regulations concerning radio-frequency equipment. For information on whether the Wireless USB Adapter can be used in your country, please contact the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Basic Connection Method (Connect by WPS)

The first time you connect to a wireless network using WPS, you must go through the following procedure.

This procedure is necessary only the first time you connect. (Once you've joined the network, the procedure is no longer needed.)

What is WPS?

This is a standard that makes it easy to make security settings when connecting to a wireless LAN access point. We recommend that you use WPS when connecting to a wireless LAN access point.

1. Connect your wireless USB adapter (WNA1100-RL; sold separately) to the USB MEMORY port.

2. Press the [SONG] and [RHYTHM] buttons simultaneously.

3. Press the [◀] [▶] (SLOW/FAST) buttons to select "Wireless," and then press the [METRONOME] button.

4. Press the [◀] [▶] (SLOW/FAST) buttons to select "Connect," and then press the [METRONOME] button.

5. Press the [◀] [▶] (SLOW/FAST) buttons to select "WPS," and then press the [METRONOME] button.

The screen shows "Proceed?"



6. Perform the WPS operation on your wireless LAN access point (e.g., press the WPS button on your wireless LAN access point).

For details on the WPS functionality of your wireless LAN access point, refer to the documentation for your wireless LAN access point.

7. Press the [▶] (FAST) button of the FP-50.

If connection is successful, the display will show "Success."

If not successful, please refer to "Problems when connecting to a wireless LAN" (p. 48).

8. Press the [REC] button to return to function mode.

NOTE

Note that the device running the application you want to use (such as your iPhone) must be connected to the same network.

MEMO

- The first time you connect with WPS, your connection information will be saved. From the second time on, connection is automatic.
- A factory reset will erase all connection data. If you perform a factory reset, you have to repeat the connection procedure to reestablish a connection.

This completes the setup. You can now use your wireless application, such as the iPhone app.

Wireless LAN Function Settings

You can view and change your wireless settings.

MEMO

These settings are automatically retained in memory.

Basic operation

1. **Press the [SONG] and [RHYTHM] buttons simultaneously.**
2. **Press the [◀] [▶] (SLOW/FAST) buttons to select "Wireless."**
3. **Press the [METRONOME] button.**
4. **Press the [◀] [▶] (SLOW/FAST) buttons to select the desired menu, and then press the [METRONOME] button.**

Menu	Explanation
Status	This shows the wireless LAN status.
Connect	Connect to a wireless LAN access point.
Option	Make setting for wireless ID or Ad-Hoc mode (p. 45).

In the explanations below, arrows indicate the selection sequence (For example: "**Wireless**" → "**Status**").

Status Indication

This shows the wireless LAN status.

1. **Select "Wireless" → "Status."**

The status screen appears.



Display		Explanation
_ ▫ ▯	Signal level: Strong	Currently connected to the wireless LAN access point. Three bars are used to indicate the signal level (the strength of the connected wireless LAN access point's radio signal). The identifier (name) of the connected wireless LAN access point is shown.
_ ▫ ▫	Signal level: Middle	
_ _ _	Signal level: Weak	
Not Conn		The wireless USB adapter is inserted, but not connected to a wireless LAN access point.
NotAvail		The wireless USB adapter is not inserted.
FP-50 SSID		Ad-Hoc mode (p. 45) The Ad-Hoc SSID is shown. Press the [▶] (Fast) button to display the Ad-Hoc key. For details, refer to "Connecting in Ad-Hoc Mode" (p. 45).

2. **Press the [▶] (FAST) button to display the IP address.**

Connecting to a Wireless LAN Access Point That You Select (Select AP)

This method lets you connect by choosing a wireless LAN access point from the list that is displayed.

* Wireless standards 802.11g/n (2.4 GHz) and authentication methods WPA/WPA2 are supported.

1. **Select "Wireless" → "Connect" → "Select AP," and then press the [METRONOME] button.**

The select access point screen appears.



- An asterisk (*) marks the currently connected access point.

2. **Press the [–] [+] buttons to select the wireless LAN access point you want to connect to, and then press the [METRONOME] button.**
   - You will be connected to the selected wireless LAN access point.
   - If you're using this wireless LAN access point for the first time, you'll proceed to the Passphrase screen.
   - If this is a wireless LAN access point to which you have connected in the past, just press the [METRONOME] button and you'll be connected. Once successfully connected, "Success" appears.

Passphrase screen (PASS)

3. **Enter your passphrase for this wireless LAN, and then press the [METRONOME] button.**

Entering the passphrase

Press the [◀] [▶] (SLOW/FAST) buttons to select the desired character position. Press the [–] [+] buttons to change the character.

* Do NOT insert a space at the end of the passphrase.



If connection is successful, "Success" appears on the screen.

If not successful, please refer to "Problems when connecting to a wireless LAN" (p. 48).

4. **Press the [REC] button to return to function mode.**

Other Settings (Option)

Make settings for Wireless ID or Ad-Hoc mode.

1. Select "Wireless" → "Option."

2. Press the [◀] [▶] (SLOW/FAST) buttons to select the parameter you want to change.

3. Press the [–] [+] buttons to change the value.



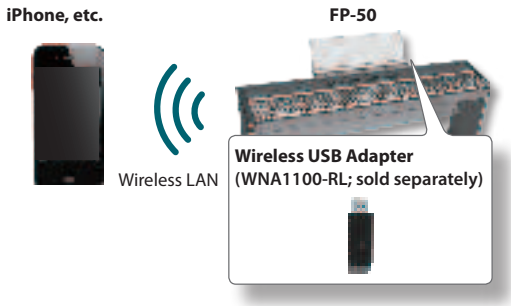
Parameter	Explanation
ID (Wireless ID)	Specifies the final digits of the FP-50's device name and Ad-Hoc SSID (FP-50) that will be shown as the instrument in the wirelessly connected app. Normally, you should specify "0," but if you have more than one of the same instrument, you can set the Wireless ID in the range of 1–99 to change the device name and Ad-Hoc SSID for each instrument, as follows. If wireless ID = 0, then "FP-50" (default). If wireless ID = 1, then "FP-50_1." : If wireless ID = 99, then "FP-50_99."
Ad-Hoc	Specifies the channel (1–11) for Ad-Hoc mode. Normally, you won't need to change the channel. Try changing the channel only if you have problems connecting.

Connecting in Ad-Hoc Mode

Here's how to connect in Ad-Hoc mode.

What is Ad-Hoc mode?

Ad-Hoc mode lets you connect the FP-50 directly to an iPhone or other wireless device without using a wireless LAN access point. This is a convenient way to use the FP-50 with an iPhone or other wireless device if you're in a location where the wireless LAN access point you normally use is unavailable, such as when you're away from home.



Limitations

The iPhone or other wireless device connected in Ad-Hoc mode will be unable to communicate with the Internet or with another wireless device. However, an iPhone or other wireless device that has cellular capability will be able to connect to the Internet via the cellular connection.

Please be aware that if you use a cellular connection for Internet connectivity, you may incur costs depending on your rate plan.

1. Select "Wireless" → "Option" → "Ad Hoc" and then press the [METRONOME] button.

2. Press the [▶] (FAST) button to set Ad-Hoc mode to "ON."

* If you decide to quit without connecting, press the [◀] (SLOW) button.

3. When Ad-Hoc mode starts, the Ad-Hoc SSID appears on the display. Press the [▶] (FAST) button to display the Ad-Hoc key (a 5-digit number). Write down the value and save it.





The Ad-Hoc key is the five-digit number shown on the screen.

Each piano has a different number.

MEMO

- The Ad-Hoc SSID appears as the "Wireless ID" setting in the options screen.
- You can also see the Ad-Hoc SSID and Ad-Hoc key in the status screen.

4. An iPhone or other wireless device can be connected by selecting the Ad-Hoc SSID displayed in the screen indicated above. (Example: iPhone [Settings] → [Wi-Fi] → [Select Network] to select the above Ad-Hoc SSID (FP-50). When the password entry screen appears, enter the above-mentioned Ad-Hoc key.)

For details on how to connect to a wireless LAN from an iPhone or other device, refer to the owner's manual of that device.

5. Press the [REC] button to return to function mode.

6. After ending your Ad-Hoc connection, go back to iPhone [Settings] → [Wi-Fi] → [Select Network] and restore the original values.

Checking the MAC address

The MAC address is indicated on the bottom of the wireless USB adapter (WNA1100-RL; sold separately).



Troubleshooting

If you suspect a malfunction, please read this section first.

Problem	Cause/Action	Page
Power will not turn on	Is the AC adaptor connected correctly?	p. 10
Power turns off on its own	With the factory settings, the unit's power will automatically be switched off a certain amount of time after you stop playing or operating the unit. If you don't need the power to turn off automatically, turn the "Auto Off" setting "OFF."	p. 33
Buttons don't work	Could Panel Lock be activated? Deactivate Panel Lock.	p. 35
Screen display is irregular when power is turned on/off	Since the FP-50 uses a liquid-crystal display, you may find that it is unable to display letters or other things in environments where temperatures go below 0 degrees Celsius (32 degrees Fahrenheit). This does not indicate a malfunction.	–
Pedal does not work, or remains stuck	Is the pedal connected correctly? Insert the plug all the way into the pedal jack.	p. 11
	Could you be using a pedal made by another manufacturer? Use the included pedal or the RPU-3.	–
	The pedal effect may remain stuck if you disconnect the pedal cord while the power is on. Switch off the FP-50's power before you connect or disconnect the pedal cord.	–
	If you've assigned the soft pedal or sostenuto pedal as a registration select switch, or assigned it to some other function, the pedal won't operate as a Soft pedal or Sostenuto pedal.	p. 40
Can't read or write USB flash drive	Are you using Roland USB Flash Memory (sold separately)? We cannot guarantee operation if any other USB flash drive is used.	–
	If you're unable to read from or write to a USB flash drive, change the USB Memory Mode setting.	p. 42
A buzzing sound is heard from an external device	Could you be powering your external equipment from two or more electrical outlets? If external equipment is connected, it must be powered from the same electrical outlet.	–
The volume level of the instrument connected to INPUT jack is too low	Could you be using a connection cable that contains a resistor? Use a connection cable that does not contain a resistor.	–

No sound

Problem	Cause/Action	Page
No sound	Could the FP-50's volume or the volume of a connected device be minimized?	p. 8
	Could headphones be connected? Could a plug have been left in the headphone jack? No sound will be output from the speakers if headphones or any other device is connected to the headphone jack.	p. 10
	Is the Volume Balance setting set so that the accompaniment is louder than the keyboard?	p. 8
	Could the Local Control setting be "OFF"? The Local Control is set to "OFF," no sound will be heard when you play the keyboard. Set Local Control to "ON."	p. 41
No sound when you play back a song	Could the Local Control setting be "OFF"? The Local Control is set to "OFF," no sound will be heard when you play back a song. Set Local Control to "ON."	p. 41
No sound from the left-hand zone of the keyboard	Could the Visual Control mode be set to "MVC" or "VLNK"? If the mode is set to "MVC" or "VLNK," the lowest twelve keys are used to control images, and do not produce sound.	p. 41
No sound (when a MIDI device is connected)	Are all devices powered up?	p. 10
	Are the MIDI cables connected correctly?	
	Does the MIDI Transmit Channel match the setting of the connected device?	p. 40

Sound does not play correctly

Problem	Cause/Action	Page
Not all the notes you play are heard	The maximum simultaneous polyphony is 128 notes. When using Dual Play or when performing along with a song or rhythm, or when making heavy use of the damper pedal, it is possible for the performance data to exceed the polyphony, causing some of the notes you play to be omitted.	–
Keyboard or song pitch is incorrect	Could you have made Transpose settings?	p. 18
	Is the Master Tuning setting appropriate?	p. 37
	Is the Temperament setting appropriate?	p. 37
	Is the Stretch Tuning setting appropriate?	p. 38

Problem	Cause/Action	Page
Two sounds are heard when you play the keyboard	Could the FP-50 be set to Dual Play?	p. 14
	When the FP-50 is connected to an external sequencer, set the Local Control to "OFF." Alternatively, the sequencer could be set so its Soft Thru feature is off.	p. 41
Pressing the [E. PIANO], [STRINGS], or [OTHER] button causes other tones to be heard	The [E. PIANO], [STRINGS], and [OTHER] buttons can also function in selecting "recommended tones." With the factory settings, when you select a song from VIMA TUNES, tones which match the song will be assigned automatically to the [E. PIANO], [STRINGS], and [OTHER] tone buttons.	–
Effect not applied	When you're using Dual Play or Split Play, and the two tones use different effects, no effect will be applied to tone 2 (when using Dual Play) or the left-hand tone (when using Split Play).	p. 14 p. 15
Reverberation remains even if you turn off the Ambience effect	The FP-50's piano sound faithfully simulates the depth and resonance of an acoustic piano, and this may give the impression of reverberation even if you've turned off the Ambience effect.	–
Sound changes abruptly at a certain note in the upper range	On an acoustic piano, the top one and a half octaves of notes will sound until they decay naturally, regardless of the damper pedal. The tone quality of these notes will also be different. FP-50 faithfully simulate this characteristic of acoustic pianos. The range that is unaffected by the damper pedal will change depending on the Transpose setting.	–
A "whining" noise is heard	**If you hear this in headphones:** Some brilliant and sharply defined piano sounds contain significant high-frequency components, which may sound like a metallic resonance has been added. This is due to the faithful simulation of a piano's actual characteristics, and does not indicate a malfunction. You can adjust this resonance by editing the following settings. • String Resonance setting (p. 38) • Ambience Depth setting (p. 17) **If you don't hear this in headphones:** Some other reason may be responsible (e.g., resonance in the FP-50 itself). Please contact your dealer or Roland Service Center.	–
Something wrong with low-frequency sounds/Buzzing resonance occurs	**If you don't hear this in headphones:** Performing at high volumes may cause the speakers or objects near the FP-50 to resonate. It is also possible for fluorescent lights or glass doors in the room to resonate. For the low notes in particular, this is more likely to occur at high volume. To minimize such resonance, take the following measures. • Locate the speakers 10–15 cm away from the wall. • Lower the volume. • Move the resonating object farther away. **If you hear this in headphones:** Some other reason may be responsible. Please contact your dealer or Roland Service Center.	–
	At high volumes, the sound may be distorted due to the way in which you are playing. If so, adjust the equalizer settings or reduce the volume.	p. 8 p. 17

Song does not play correctly

Problem	Cause/Action	Page
Can't play a song	Is the data format compatible with the FP-50? To be playable, audio files must be in the following format. • SMF formats 0/1 • Roland Piano Digital format (i-format) • Audio files: WAV format, 44.1 kHz, 16-bit linear	–
Song tempo is unstable	If there is an excessive amount of performance data when playing a song from a USB flash drive, the tempo might become unstable.	–
Can't see the song names on USB flash drive	If the song name data in the file is blank or consists only of spaces, the song name will not be displayed.	–
	Is the file name extension "MID"? If the file name extension is wrong, the file cannot be handled as song data.	–
	Song names that contain characters other than letters, numbers, and certain symbols will not be displayed properly.	–
Can't play back a song saved on USB flash drive	Is the file name extension "MID"? If the file name extension is wrong, the file cannot be handled as song data.	–

Can't record

Problem	Cause/Action	Page
Can't record audio	Is a USB flash drive connected to the USB MEMORY port? In order to use audio recording, you must connect a USB flash drive (sold separately) to the USB MEMORY port.	p. 25

Problems with audio files

Problem	Cause/Action	Page
Can't record along with an audio file/Can't copy an audio file to internal memory	The FP-50 does not allow recording using audio files, and cannot be used to copy audio files into internal memory.	–

MEMO

Functions that cannot be used with audio file playback

- Ambience (p. 17)
- Save to internal memory (p. 33)
- Copy song (p. 34)
- Save song

Problems when connecting to a wireless LAN

* **For problems related to communication, refer also to the owner's manual of your wireless LAN access point.**

* For details on operating your wireless LAN access point, refer to its owner's manual.

Problem	Cause/Action	Page
Cannot connect to wireless LAN	• Check that your wireless LAN access point supports the WPS standard. If your wireless LAN access point does not support WPS, connect using the procedure described in "Connecting to a Wireless LAN Access Point That You Select (Select AP)" (p. 44). • The FP-50 does not support the 802.11a and 802.11b wireless standards. Please use 802.11g or 802.11n (both at 2.4 GHz). • WEP authentication is not supported. Please use WPA or WPA2 authentication. • Be sure that your wireless LAN access point is set to use DHCP. • If the FP-50 cannot connect to a wireless LAN access point that it previously could connect to, make sure the "Connecting in Ad-Hoc Mode" (p. 45) setting is set to "OFF." • You may not be able to connect to the wireless network depending on the condition of the wireless signal. In this case, refer to the procedure described in "Connecting to a Wireless LAN Access Point That You Select (Select AP)" (p. 44) and try selecting and connecting to the wireless LAN access point again. • The FP-50 remembers a limited amount of information about network connections. Once the limit is reached, data from new connections may overwrite older data. All connection data will be erased if you perform a factory reset. If network connection information is erased, repeat the connection procedure and connect again.	p. 43
"Error 46" appears on the display and the FP-50 cannot connect to the wireless LAN access point	The access point is not supported. Please use WPA or WPA2 authentication.	p. 43
Connection is unstable	Wireless communications may be unstable if the condition of the wireless signal is poor. If the wireless communications are unstable, responsiveness may deteriorate and audio drop-outs may occur. The following may solve the trouble. • Move the FP-50 and the wireless LAN access point closer to each other. • Change the channel setting on the wireless LAN access point.	p. 43
The FP-50 does not appear among the instruments connected to your application (such as the iPhone app)	• Is the FP-50 turned on? • Is a wireless USB adapter (WNA1100-RL) connected to the FP-50's USB MEMORY port? • Is the FP-50 connected to the wireless LAN? • Are the FP-50 and the iPhone connected to the same network (i.e., the same wireless LAN access point)? • Is the wireless LAN access point set to allow communication among the devices connected to it? Refer to the wireless LAN's documentation for information about the relevant settings.	p. 43
The iPhone cannot connect to the Internet	• Is the wireless LAN access point connected to the Internet? • Could you be connected in Ad-Hoc mode? The iPhone or other wireless device connected in Ad-Hoc mode will be unable to communicate with the Internet or with another wireless device. However, an iPhone or other wireless device that has cellular capability will be able to connect to the Internet via the cellular connection. Please be aware that if you use a cellular connection for Internet connectivity, you may incur costs depending on your rate plan.	p. 43

Error Messages

Display	Meaning
Error 1	The music file you attempted to save is read-only. It cannot be saved.
Error 2	An error occurred while writing. It may be that the protect tab of the external media is in the "Protect (write prohibit)" position, or that the external media has not been formatted.
Error 10	No USB flash drive connected. Connect a USB flash drive and try the operation again.
Error 11	There is insufficient free space at the save destination. Either connect a different USB flash drive, or delete unwanted data (song data, registration sets) and try the operation again.
Error 14	An error occurred while reading. The USB flash drive may be damaged. Connect a different USB flash drive and try the operation again. You may also format the USB flash drive (p. 36).
Error 15	The file could not be read. The data format is not compatible with the FP-50.
Error 16	The data could not be read fast enough during song playback. After waiting several seconds, you may be able to play back the song by pressing the [▶/■] button once again.
Error 18	This audio format is not supported. Please use WAV format, 44.1 kHz, 16-bit linear audio files.
Error 30	The FP-50's internal memory is full.
Error 40	The FP-50 cannot deal with the excessive MIDI data sent from the external MIDI device. Reduce the amount of data being transmitted by the external MIDI device.
Error 41	A MIDI cable was disconnected. Connect the MIDI cable correctly.
Error 43	An error occurred during MIDI communication. Check the MIDI cable and the connected MIDI device.
Error 46	The access point is not supported. Please use WPA or WPA2 authentication.
Error 51	The system may have malfunctioned. Try the operation again. If this indication still appears after trying the operation several times, contact Roland Service Center.
Error 65	The USB MEMORY port was subjected to excessive current. Verify that there is no malfunction in the USB flash drive, and then turn the power off, then on again (p. 13).

Saved Settings

Ⓡ Settings Saved in Registrations

Setting	Explanation	Page
–	Selected tone	p. 14
–	Dual play on/off	p. 14
–	Tone 1/Tone 2 (Dual play)	p. 14
–	Split play on/off	p. 15
–	Right-hand tone/Left-hand tone (Split play)	p. 15
–	Split point	p. 15
–	Transpose's on or off, its value, and Transpose mode	p. 18
–	Ambience on/off and depth	p. 17
–	The Volume Balance between Your Keyboard Performance and the Accompaniment	p. 8
–	Rotary effect's pulse speed	p. 14
Modulation Speed	Speed of sound modulation	p. 14
KeyTouch	Key touch	p. 18
Rhythm	Rhythm settings	p. 19
Dual Bal	Dual balance	p. 38
SplitBal	Split Balance	p. 38
Ambience	Ambience on/off and depth	p. 17
AudTrans	Audio transpose	p. 23
Trnspose	Transpose mode	p. 38
Oct Shft	Octave shift	p. 38
SplOnRcg	Recognize split on chord recognize	p. 39
DPdl Prt	Setting for the damper pedal part	p. 39
CPdl Prt	Setting for the center pedal part	p. 39
CPdl Fnc	Function of the center pedal	p. 39
LPdl Prt	Setting for the left pedal	p. 40
LPdl Fnc	Function of the left pedal	p. 40
MIDI Ch	MIDI transmit channel	p. 41
RgstTxCh	Program change data	p. 40
Rgst.PC		
Rgst.MSB		
Rgst.LSB		

Ⓜ Items Stored by Memory Backup

Setting	Explanation	Page
Tuning	Master tuning	p. 37
Temprmnt	Temperament	p. 37
Tmpr Key	Temperament key	p. 37
Equalizr	Equalizer on/off and equalizer settings	p. 17
Stretch	Stretch tuning	p. 38
Dmpr Res	Damper resonance	p. 38
Strg Res	String resonance	p. 38
KOff Res	Key off resonance	p. 38
Cabinet	Cabinet resonance	p. 38
Sound Brd	Soundboard behavior	p. 38
VC Ch	Visual Control channel	p. 42

Settings Stored Immediately When Edited

Setting	Explanation	Page
USB Mode	USB flash drive settings	p. 42
Auto Off	Auto off	p. 33
Wireless	Wireless LAN settings	p. 43

Tone List

PIANO

No.	Tone name
1	Concert
2	Ballade
3	Bright
4	Dreamy
5	Piano+EP
6	Pno+Str
7	Pno+Pad
8	Pno+Cho
9	Magical
10	Comp Pno
11	Rock Pno
12	Ragtime
13	Harpsi
14	C.Harpsi

E. PIANO

No.	Tone name
1	Trem. EP
2	ChorusEP
3	PhaserEP
4	Tine EP
5	Vib. EP
6	DrivenEP
7	RotaryEP
8	Reed EP
9	TwinklEP
10	BrightEP
11	Woody EP
12	FM EP
13	Pop EP
14	E.Grand
15	Clav.
16	Wah Clav
17	PhaseClv
18	Vib
19	Marimba
20	Celesta
21	Mlt Isle
22	Mrng Lit
23	Fantasia
24	EP Belle
25	Balad Bl

STRINGS

No.	Tone name
1	SymphStr
2	Rich Str
3	Orch Str
4	Velo Str
5	Decy Str
6	Syn Str1
7	Syn Str2
8	Soft Pad
9	Glas Pad
10	Slky Way
11	Lunr Str
12	Dcy C.Pd
13	Orchstra
14	Orch Brs
15	Harp
16	Violin
17	Cello
18	Pizz Str

OTHER

No.	Tone name
1	TW-Org 1
2	TW-Org 2
3	TW-Org 3
4	TW-Org 4
5	TW-Org 5
6	TW-Org 6
7	Jazz Org
8	Balad Or
9	Gspl Spn
10	Full Stp
11	Melw Bar
12	Lite Org
13	Lowr Org
14	Prpl Spn
15	'60s Org
16	Church 1
17	Church 2
18	Nasn Flt
19	Acordion
20	SymphCho
21	Aerl Cho
22	Jz Scat
23	Fem Aahs
24	Angl Cho
25	Beau Vox
26	Male Aah
27	Harpvox
28	Decy Cho
29	TrnceSyn
30	Jump Brs
31	AfricaBr
32	SynPhrs1
33	SynPhrs2
34	Nylon Gt
35	Steel Gt
36	Clean Gt
37	Jazz Gt
38	Ovrdv Gt
39	Ac. Bass
40	Bass+Cym
41	Fingr Bs
42	Frtls Bs
43	Slap Bs
44	Syn Bass
45	Thum Vo
46	Alto Sax
47	Ten Sax
48	Brs Sect
49	Flute
50	Cham Win
51–315	GM2

Registration List

The recommended settings were stored in the instrument when it shipped from the factory.

No.	Registration name
1-1	Piano + Str.
1-2	Piano+EPiano
1-3	Gt + SoftPad
1-4	Winds + Str.
1-5	Lead + Pad
2-1	DreamPno/Pad
2-2	Vib. / BsCym
2-3	Piano / Pad
2-4	CleanGt / Bs
2-5	Brass / E.Bs
3-1	DanceSession
3-2	Jazz Session
3-3	R&B Session
3-4	BossaEP Ses
3-5	'70sEP Ses
4-1	FP REGIST.
4-2	FP REGIST.
4-3	FP REGIST.
4-4	FP REGIST.
4-5	FP REGIST.

MEMO

Registration from 4-1 to 4-5 include the "Basic Registration." Use this when creating registration from scratch.

Internal Song List

No.	Song name		Composer
001	Midsummer	*	Masashi Hirashita
002	The Nutcracker "Waltz of the Flowers" (Jazz Arrangement)	*	Peter Ilyich Tchaikovsky, Arranged by Masashi Hirashita
003	The Marriage of Figaro "Overture"		Wolfgang Amadeus Mozart
004	Floral Pursuits	*	Léo Delibes, Arranged by John Maul
005	Swan-derful Samba	*	Peter Ilyich Tchaikovsky, Arranged by John Maul
006	My Pleasure	*	Masashi Hirashita
007	Barcarolle		Fryderyk Franciszek Chopin
008	Zhavoronok		Mikhail Ivanovich Glinka, Arranged by Mily Alexeyevich Balakirev
009	Valse, op.34-1		Fryderyk Franciszek Chopin
010	Polonaise op.53		Fryderyk Franciszek Chopin
011	Nocturne No.20		Fryderyk Franciszek Chopin
012	Die Forelle		Franz Peter Schubert, Arranged by Franz Liszt
013	Reflets dans l'Eau		Claude Achille Debussy
014	La Fille aux Cheveux de Lin		Claude Achille Debussy
015	La Campanella		Franz Liszt
016	Scherzo No.2		Fryderyk Franciszek Chopin
017	Liebesträume 3		Franz Liszt
018	Étude, op.10-3		Fryderyk Franciszek Chopin
019	Je te veux		Erik Satie
020	Fantaisie-Impromptu		Fryderyk Franciszek Chopin
021	Clair de Lune		Claude Achille Debussy
022	Nocturne No.2		Fryderyk Franciszek Chopin
023	Für Elise		Ludwig van Beethoven
024	Late Night Chopin	*	Fryderyk Franciszek Chopin, Arranged by John Maul
025	Fly Free	*	John Maul
026	L'éveil de l'amour	*	Masashi Hirashita
027	Wedding Song	*	John Maul
028	Yesterday's Dream	*	John Maul
029	Windy Afternoon	*	Masashi Hirashita
030	Scrambled Egg	*	Masashi Hirashita

* Songs marked by an asterisk "*" are original songs composed for the Roland Corporation. The copyrights to these songs are owned by the Roland Corporation.
* No data for the music that is played will be output from the MIDI OUT connector.
* All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.

Rhythm List

Pop Rock

No.	Rhythm name
A.001	GldMedBt
A.002	Fnk'sWay
A.003	EasyBld
A.004	Sky Beat
A.005	HomeBeat
A.006	AcBallad
A.007	GldSlwBt
A.008	Blue Pop
A.009	JessieBt
A.010	GoldBeat
A.011	US Shfle
A.012	Stmin'Pp
A.013	AzngGsp
A.014	6_8 Bld
A.015	LovSlRck
A.016	UnplgdPp
A.017	UnplgdBd
A.018	ColLivBd
A.019	AcoPop
A.020	SpringRk
A.021	Joe'sRk
A.022	BreakyRk
A.023	ElctroRk

Disco Dance

No.	Rhythm name
B.001	Sevnties
B.002	EdgDisco
B.003	VlreGpsy
B.004	JamiroDn
B.005	GldDisco
B.006	SuvDisco
B.007	Dancin'
B.008	Hitmix
B.009	ClbHouse
B.010	HrdTechn
B.011	BabyBeat
B.012	BrthRap
B.013	NowHiphp

Jazz Blues

No.	Rhythm name
C.001	OgnJzFst
C.002	BluEysBn
C.003	OgnSwMed
C.004	GldSwing
C.005	MidSlSwg
C.006	BgBndSlw
C.007	BgBndMed
C.008	Swig Mdm
C.009	JzGtrSwg
C.010	SlwJzWlz
C.011	CoolSoul
C.012	Soul
C.013	CoolBls
C.014	Go!Rck'n
C.015	BlueBog
C.016	Rck'nSlw

Ball Room

No.	Rhythm name
D.001	ItValzer
D.002	GldWnWz
D.003	GldSlwWz
D.004	MoonWltz
D.005	PlcaDsco
D.006	GldTango
D.007	GldFxtrt
D.008	QickStep
D.009	GldRhumb
D.010	Beguine
D.011	GoldCha
D.012	Go!Twist
D.013	GldSamba
D.014	GldBossa

Latin World1

No.	Rhythm name
E.001	Th'sMmbo
E.002	OchChaCh
E.003	Go!Salsa
E.004	CubaSlsa
E.005	AcoSamba
E.006	JazzBos
E.007	FastBos
E.008	PpRggBr
E.009	Samba

Tradit World2

No.	Rhythm name
F.001	CtrRock
F.002	LvReggae
F.003	CtrFlyer
F.004	GospelSf
F.005	Ska
F.006	SouTwang
F.007	StmtrCtr
F.008	Psnpolka
F.009	Psnwalzr
F.010	CntryBld
F.011	CtrBeat
F.012	CntryPop
F.013	6_8March
F.014	US March
F.015	OchWaltz

Chord Fingering List

● symbol: Indicates the constituent notes of chords.

★ symbol: Chords shown with an "★" can be played by pressing just the key marked with the "★."

* These may differ from the chord notation shown in the display.

C



C#



D



E♭



E



F



CM7



C#M7



DM7



E♭M7



EM7



FM7



C7



C#7



D7



E♭7



E7



F7



Cm



C#m



Dm



E♭m



Em



Fm



Cm7



C#m7



Dm7



E♭m7



Em7



Fm7



CmM7



C#mM7



DmM7



E♭mM7



EmM7



FmM7



Cdim



C#dim



Ddim



E♭dim



Edim

Fdim

Cm7 (♭5)

C#m7 (♭5)

Dm7 (♭5)

E♭m7 (♭5)

Em7 (♭5)

Fm7 (♭5)

Caug

C#aug

Daug

E♭aug

Eaug

Faug

Csus4

C#sus4

Dsus4

E♭sus4

Esus4

Fsus4

C7sus4

C#7sus4

D7sus4

E♭7sus4

E7sus4

F7sus4

C7/13

C#7/13

D7/13

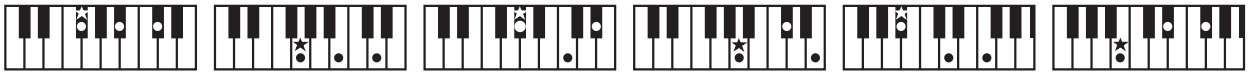
E♭7/13

E7/13

F7/13

Chord Fingering List

F# G A♭ A B♭ B



F#M7 GM7 A♭M7 AM7 B♭M7 BM7



F#7 G7 A♭7 A7 B♭7 B7



F#m Gm A♭m Am B♭m Bm



F#m7 Gm7 A♭m7 Am7 B♭m7 Bm7



F#mM7 GmM7 A♭mM7 AmM7 B♭mM7 BmM7



F#dim Gdim A♭dim Adim B♭dim Bdim



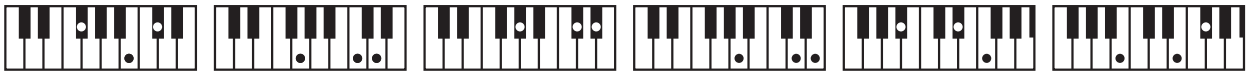
F#m7 (♭5) Gm7 (♭5) A♭m7 (♭5) Am7 (♭5) B♭m7 (♭5) Bm7 (♭5)



F#aug Gaug A♭aug Aaug B♭aug Baug



F#sus4 Gsus4 A♭sus4 Asus4 B♭sus4 Bsus4



F#7sus4 G7sus4 A♭7sus4 A7sus4 B♭7sus4 B7sus4



F#7/13 G7/13 A♭7/13 A7/13 B♭7/13 B7/13



Main Specifications

Roland FP-50: Digital Piano

Keyboard	
Keyboard	88 keys (Ivory Feel-G Keyboard with Escapement)
Touch Sensitivity	Key Touch: 5 levels, Fixed Touch
Keyboard Modes	Whole Dual (volume balance adjustable) Split (split point, volume balance adjustable)
Sound Generator	
Piano Sound	SuperNATURAL Piano Sound
MIDI Format	Conforms to GM2/GS/XG Lite
Max. Polyphony	128 voices
Tones	Grand Piano: 14 tones E. Piano: 25 tones Strings: 18 tones Other: 315 tones (including 8 drum sets, 1 SFX set)
Temperaments	8 types, selectable temperament key
Stretched Tuning (Only for piano tones)	On Off
Master Tuning	415.3–466.2 Hz (adjustable in increments of 0.1 Hz)
Transpose	Key Transpose: -6–+5 (in semitones) Playback Transpose: -6–+5 (in semitones)
Effects	Ambience (Off, 1–10) Equalizer (4-band digital equalizer) **Only for piano tones:** Soundboard Behavior (Off, 1–10) Cabinet Resonance (Off, 1–10) Damper Resonance (Off, 1–10) String Resonance (Off, 1–10) Key Off Resonance (Off, 1–10) **Only for organ tones:** Rotary (Slow/Fast) **Only for some tones:** Modulation speed (1–127)
Metronome	
Tempo	Quarter note = 10–500 (When rhythm function turns on: Quarter note = 20–250)
Beat	2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8
Volume	11 levels
SMF Recorder	
Parts	2 parts (Keyboard, Accompaniment)
Save Format	Standard MIDI Files (Format 0)
Songs	1 song
Note Storage	Approx. 30,000 notes
Controls	Song Select, Play/Stop, Rec, Rewinding, Fast-forwarding, Beginning of song/Previous song, Next song, Tempo, All songs play, Count-in
Tempo	Quarter note = 10 to 500 (When rhythm function turns on: Quarter note = 20–250)
Resolution	120 ticks per quarter note
Rhythm	
Rhythms	90 types x 2 variations
Controls	Start/Stop, Sync Start, Intro/Ending, Fill In, Variation, Chord Hold, Leading Bass, Rhythm Part
Audio	
Playable format	Audio files (WAV format, 44.1 kHz, 16-bit linear)
Recording (when using sold separately USB Flash Memory)	Keyboard SMF data
Recording format (when using sold separately USB Flash Memory)	Audio files (WAV format, 44.1 kHz, 16-bit linear)
Transpose	Playback Transpose: -6–+5 (in semitones)
Tempo	Audio Playback Speed: 75–125 %
Controls	Song Select, Play/Stop, Rec, Rewinding, Fast-forwarding, Beginning of song/Previous song, Next song, Tempo, All songs play, Center Cancel

Internal Memory	
Save Format	Standard MIDI Files (Format 0) Registration Set Files (Roland original format)
External Memory	
External Storage	USB Flash Memory
Playable Song Format	Standard MIDI Files (Format 0, 1) Roland original format (i-Format) Audio Files (WAV format, 44.1 kHz, 16-bit linear)
Save Format	Standard MIDI Files (Format 0) Audio Files (WAV format, 44.1 kHz, 16-bit linear) Registration set files (Roland original format)
Others	
Internal Songs	30 songs
Registrations	20 Registrations (capable of pedal shift)
Rated Power Output	12 W x 2
Volume Level (SPL)	98 dB * This figure was measured according to the method that is based on Roland's technical standard.
Speakers	(8 x 12 cm) x 2
Display	Custom LCD
Controls	Volume (slider)
Other Functions	Panel Lock V-LINK MIDI Visual Control Tone Demo Roland Wireless Connect
Connectors	DC IN jack PEDAL (DAMPER/R, SOFT/L *, SOSTENUTO/C *) jacks : 1/4-inch phone type (* assignable) INPUT jack: Stereo miniature phone type OUTPUT (L/Mono, R) jacks: 1/4-inch phone type USB MEMORY port: USB Type A MIDI (IN, OUT) connectors PHONES jack: Stereo 1/4-inch phone type
Power Supply	AC adaptor
Power Consumption	9 W (9–31 W) 9 W: Average power consumption while piano is played with volume at center position 6 W: Power consumption immediately after power-up; nothing being played 31 W: Rated power consumption
Dimensions	1,343 (W) x 313 (D) x 125 (H) mm 52-7/8 (W) x 12-3/8 (D) x 4-15/16 (H) inches 1,343 (W) x 405 (D) x 927 (H) mm 52-7/8 (W) x 16 (D) x 36-1/2 (H) inches (FP-50 with dedicated stand KSC-44 and music rest)
Weight	16.5 kg 36 lbs 5 oz 28.9 kg 63 lbs 12 oz (FP-50 with dedicated stand KSC-44 and music rest)
Accessories	Owner's Manual AC adaptor Power cord Music rest Damper pedal (capable of continuous detection)
Options (sold separately)	Dedicated Stand: KSC-44 Keyboard Stand: KS-18Z, KS-G8, KS-12 Carrying Bag: CB-88RL Pedal Unit: RPU-3 Damper Pedal: DP-10 Pedal Switch: DP-2 Expression Pedal: EV-5, EV-7 USB Flash Memory (*) * Use USB Flash memory sold by Roland. We cannot guarantee operation if other products are used.

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

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USING THE UNIT SAFELY

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

About ⚠WARNING and ⚠CAUTION Notices

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

About the Symbols

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

ALWAYS OBSERVE THE FOLLOWING

⚠WARNING

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. 33).

Do not disassemble or modify by yourself

Do not open (or modify in any way) the unit or its AC adaptor.

Do not repair or replace parts by yourself

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

⚠WARNING

Do not use or store in the following types of locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Humid; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness.

Use only stand that is recommended

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

Do not place in an unstable location

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.

⚠WARNING

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. 12).

If it is not set up properly, you risk creating an unstable situation which could lead to the unit falling or the stand toppling, and may result in injury.

Use only the supplied AC adaptor and the correct voltage

Be sure to use only the AC adaptor included 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-supply cord. Also, the supplied power cord must not be used with any other device.

Do not bend the power cord or place heavy objects on it

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

⚠ WARNING

Avoid extended use at high volume

This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist.

Don't allow foreign objects or liquids to enter unit; never place containers with liquid on unit

Do not place containers containing liquid (e.g., flower vases) on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.

Turn off the unit if an abnormality or malfunction occurs

Immediately turn the unit off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:

- The AC adaptor, the power-supply cord, or the plug has been damaged; or
- If smoke or unusual odor occurs; or
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.

Adults must provide supervision in places where children are present

When using the unit in locations where children are present, be careful so no mishandling of the unit can take place. An adult should always be on hand to provide supervision and guidance.

Do not drop or subject to strong impact

Protect the unit from strong impact.

(Do not drop it!)

⚠ WARNING

Do not share an outlet with an unreasonable number of other devices

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

Do not use overseas

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

⚠ CAUTION

Place in a well ventilated location

The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.

Use only the specified stand (s)

This unit is designed to be used in combination with specific stands (model: KSC-44, KS-G8, KS-18Z, KS-12) manufactured by Roland. If used in combination with other stands, you risk sustaining injuries as the result of this product dropping down or toppling over due to a lack of stability.

Evaluate safety issues before using stands

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

Grasp the plug when connecting or disconnecting the AC adaptor

Always grasp only the plug on the AC adaptor cord when plugging into, or unplugging from, an outlet or this unit.

Periodically clean the AC adaptor's plug

At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.

⚠ CAUTION

Manage cables for safety

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

Avoid climbing on top of the unit, or placing heavy objects on it

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

Do not connect or disconnect the AC adaptor with wet hands

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

Cautions when moving this unit

If you need to move the instrument, take note of the precautions listed below. At least two persons are required to safely lift and move the unit. It should be handled carefully, all the while keeping it level. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.

- Check to make sure the knob bolts securing the unit to the stand have not become loose. Fasten them again securely whenever you notice any loosening.
- Disconnect the AC adaptor.
- Disconnect all cords coming from external devices.
- Remove the music rest.

Unplug the AC adaptor from the outlet before cleaning

Before cleaning the unit, turn it off and unplug the AC adaptor from the outlet (p. 11).

If there is a possibility of lightning strike, disconnect the AC adaptor from the outlet

Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.

Take care not to get burned

The area shown in the illustration may become hot, so take care to avoid burns.



IMPORTANT NOTES

Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter or a motor (such as a refrigerator, washing machine, microwave oven, or air conditioner). Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- To prevent malfunction and equipment failure, always make sure to turn off the power on all your equipment before you make any connections.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- 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. You can place a piece of felt or cloth under the rubber feet to prevent this from happening. If you do so, please make sure that the unit will not slip or move accidentally.
- Do not put anything that contains water on this unit. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Repairs and Data

- Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be backed up USB flash drives, or written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data.

Additional Precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of loosing important data, we recommend that you periodically save a backup copy of important data you have stored in the unit's memory on USB flash drives.
- Unfortunately, it may be impossible to restore the contents of data that was stored in the unit's memory or USB flash drives once it has been lost. Roland Corporation assumes no liability concerning such loss of data.
- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- Never strike or apply strong pressure to the display.
- When disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- To avoid disturbing others nearby, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you.
- 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.
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
- Do not apply undue force to the music rest while it is in use.
- Use only the specified expression pedal (EV-5, EV-7; sold separately). By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit.
- Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.
- The explanations in this manual include illustrations that depict what should typically be shown by the display.
  Note, however, that your unit may incorporate a newer, enhanced version of the system (e.g., includes newer sounds), so what you actually see in the display may not always match what appears in the manual.

Using USB flash drives

- Carefully insert the USB flash drives all the way in—until it is firmly in place.



- Never touch the terminals of the USB flash drives. Also, avoid getting the terminals dirty.
- USB flash drives are constructed using precision components; handle the memories carefully, paying particular note to the following.
  - To prevent damage to the USB flash drives from static electricity, be sure to discharge any static electricity from your own body before handling the USB flash drives.
  - Do not touch or allow metal to come into contact with the contact portion of the USB flash drives.
  - Do not bend, drop, or subject USB flash drives to strong shock or vibration.
  - Do not keep USB flash drives in direct sunlight, in closed vehicles, or other such locations.
  - Do not allow USB flash drives to become wet.
  - Do not disassemble or modify the USB flash drives.

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.

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- 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.
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Information

When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below.

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Chaudron - BP79 97 491
Ste Clotilde Cedex,
REUNION ISLAND
TEL: (0262) 218-429

SOUTH AFRICA
Paul Bothner(PTY)Ltd.
Royal Cape Park, Unit 24
Londonderry Road, Ottery 7800
Cape Town, SOUTH AFRICA
TEL: (021) 799 4900

ASIA

CHINA
Roland Shanghai Electronics Co.,Ltd.
5F. No.1500 Pingliang Road,
Yangpu Shanghai 200090, CHINA
TEL: (021) 5580-0800
Toll Free: 4007-888-010

Roland Shanghai Electronics Co.,Ltd. (BEIJING OFFICE)
3F, Soluxe Fortune Building
63 West Dawang Road,
Chaoyang Beijing, CHINA
TEL: (010) 5960-2565/0777
Toll Free: 4007-888-010

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11/F Silvercord Tower 1
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Tsimshatsui, Kowloon,
HONG KONG
TEL: 852-2737-7688

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8th Floor, Railway Plaza, 39
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Kowloon, HONG KONG
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Unit 8 CR, Podomoro City
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TEL: (021) 5698-5519/5520

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141 Abylai-Khan ave, 1st floor,
050000 Almaty, KAZAKHSTAN
TEL: (727) 2725477
FAX: (727) 2720730

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Seoul, KOREA
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Sumpantawong, Bangkok
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VIET THUONG CORPORATION
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DIST.3, HO CHI MINH CITY,
VIET NAM
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West. NSW 2099, AUSTRALIA

For Australia
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TEL: (09) 3098 715

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Parque Industrial San Jose
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OMNI MUSIC
75 Avenida Norte y Final Alameda
Juan Pablo II, Edificio No.4010
San Salvador, EL SALVADOR
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Casa Instrumental
Calzada Roosevelt 34-01,zona
11 Ciudad de Guatemala,
GUATEMALA
TEL: (502) 599-2888

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San Pedro Sula, HONDURAS
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Av.las industrias edf.Guitar
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(Westerlo) BELGIUM
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HR - 40000 CAKOVEC, CROATIA
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George Zeidan St., Chahine Bldg.,
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Malatan House No.1
Al Noor Street, Ruwi
SULTANATE OF OMAN
TEL: 2478 3443

QATAR
AL-EMADI TRADING & CONTRACTING CO.
P.O. Box 62, Doha, QATAR
TEL: 4423-554

SAUDI ARABIA
Adawliah Universal Electronics APL
Behind Pizza Inn
Prince Turkey Street
Adawliah Building,
PO BOX 2154,
Al Khobar 31952,
SAUDI ARABIA
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SYRIA
Technical Light & Sound Center
PO Box 13520 Bldg No.49
Khaled Abn Alwalid St.
Damascus, SYRIA
TEL: (011) 223-5384

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TEL: (905) 362 9707

U. S. A.
Roland Corporation U.S.
5100 S. Eastern Avenue
Los Angeles, CA 90040-2938,
U. S. A.
TEL: (323) 890 3700

As of Nov. 1, 2013 (ROLAND)

For EU Countries



UK This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.

DE Dieses Symbol bedeutet, dass dieses Produkt in EU-Ländern getrennt vom Hausmüll gesammelt werden muss gemäß den regionalen Bestimmungen. Mit diesem Symbol gekennzeichnete Produkte dürfen nicht zusammen mit den Hausmüll entsorgt werden.

FR Ce symbole indique que dans les pays de l'Union européenne, ce produit doit être collecté séparément des ordures ménagères selon les directives en vigueur dans chacun de ces pays. Les produits portant ce symbole ne doivent pas être mis au rebut avec les ordures ménagères.

IT Questo simbolo indica che nei paesi della Comunità europea questo prodotto deve essere smaltito separatamente dai normali rifiuti domestici, secondo la legislazione in vigore in ciascun paese. I prodotti che riportano questo simbolo non devono essere smaltiti insieme ai rifiuti domestici. Ai sensi dell'art. 13 del D.Lgs. 25 luglio 2005 n. 151.

ES Este símbolo indica que en los países de la Unión Europea este producto debe recogerse aparte de los residuos domésticos, tal como esté regulado en cada zona. Los productos con este símbolo no se deben depositar con los residuos domésticos.

PT Este símbolo indica que nos países da UE, a recolha deste produto deverá ser feita separadamente do lixo doméstico, de acordo com os regulamentos de cada região. Os produtos que apresentem este símbolo não deverão ser eliminados juntamente com o lixo doméstico.

NL Dit symbool geeft aan dat in landen van de EU dit product gescheiden van huishoudelijk afval moet worden aangeboden, zoals bepaald per gemeente of regio. Producten die van dit symbool zijn voorzien, mogen niet samen met huishoudelijk afval worden verwijderd.

DK Dette symbol angiver, at i EU-lande skal dette produkt opsamles adskilt fra husholdningsaffald, som defineret i hver enkelt region. Produkter med dette symbol må ikke smides ud sammen med husholdningsaffald.

NO Dette symbolet indikerer at produktet må behandles som spesialavfall i EU-land, iht. til retningslinjer for den enkelte regionen, og ikke kastes sammen med vanlig husholdningsavfall. Produkter som er merket med dette symbolet, må ikke kastes sammen med vanlig husholdningsavfall.

SE Symbolen anger att i EU-länder måste den här produkten kasseras separat från hushållsavfall, i enlighet med varje regions bestämmelser. Produkter med den här symbolen får inte kasseras tillsammans med hushållsavfall.

FI Tämä merkintä ilmaisee, että tuote on EU-maissa kerättävä erillään kotitalousjätteistä kunkin alueen voimassa olevien määräysten mukaisesti. Tällä merkinnällä varustettuja tuotteita ei saa hävittää kotitalousjätteiden mukana.

HU Ez a szimbólum azt jelenti, hogy az Európai Unióban ezt a terméket a háztartási hulladéktól elkülönítve, az adott régióban érvényes szabályozás szerint kell gyűjteni. Az ezzel a szimbólummal ellátott termékeket nem szabad a háztartási hulladék közé dobni.

PL Symbol oznacza, że zgodnie z regulacjami w odpowiednim regionie, w krajach UE produktu nie należy wyrzucać z odpadami domowymi. Produktów opatrzonych tym symbolem nie można utylizować razem z odpadami domowymi.

CZ Tento symbol udává, že v zemích EU musí být tento výrobek sbírán odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesoucí tento symbol se nesmí vyhazovat spolu s domácím odpadem.

SK Tento symbol vyjadruje, že v krajinách EÚ sa musí zber tohto produktu vykonávať oddelene od domového odpadu, podľa nariadení platných v konkrétnej krajine. Produkty s týmto symbolom sa nesmú vyhadzovať spolu s domovým odpadom.

EE See sümbol näitab, et EL-i maades tuleb see toode olemprügist eraldi koguda, nii nagu on igas piirkonnas määratletud. Selle sümboliga märgitud tooteid ei tohi ära visata koos olmeprügiga.

LT Šis simbolis rodo, kad ES šalyse šis produktas turi būti surenkamas atskirai nuo buitinių atliekų, kaip nustatyta kiekviename regione. Šiuo simboliu paženklinti produktai neturi būti išmetami kartu su buitinėmis atliekomis.

LV Šis simbols norāda, ka ES valstīs šo produktu jāievāc atsevišķi no mājsaimniecības atkritumiem, kā noteikts katrā reģionā. Produktus ar šo simbolu nedrīkst izmest kopā ar mājsaimniecības atkritumiem.

SI Ta simbol označuje, da je treba proizvod v državah EU zbirati ločeno od gospodinjskih odpadkov, tako kot je določeno v vsaki regiji. Proizvoda s tem znakom ni dovoljeno odlagati skupaj z gospodinjskimi odpadki.

GR Το σύμβολο αυτό υποδηλώνει ότι στις χώρες της Ε.Ε. το συγκεκριμένο προϊόν πρέπει να συλλέγεται χωριστά από τα υπόλοιπα οικιακά απορρίμματα, σύμφωνα με όσα προβλέπονται σε κάθε περιοχή. Τα προϊόντα που φέρουν το συγκεκριμένο σύμβολο δεν πρέπει να απορρίπτονται μαζί με τα οικιακά απορρίμματα.

For China

有关产品中所含有害物质的说明

本资料就本公司产品中所含的特定有害物质及其安全性予以说明。

本资料适用于 2007 年 3 月 1 日以后本公司所制造的产品。

环保使用期限



此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年数。所谓环保使用期限是指在自制造日起的规定期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。

环保使用期限仅在遵照产品使用说明书，正确使用产品的条件下才有效。

不当的使用，将会导致有害物质泄漏的危险。

产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
外壳（壳体）	×	○	○	○	○	○
电子部件（印刷电路板等）	×	○	×	○	○	○
附件（电源线、交流适配器等）	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

因根据现有的技术水平，还没有什么物质能够代替它。

For the U.K.

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

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

For EU Countries

CE

This product complies with the requirements of EMC Directive 2004/108/EC.

For the USA

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment requires shielded interface cables in order to meet FCC class B limit.
Any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Canada

NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

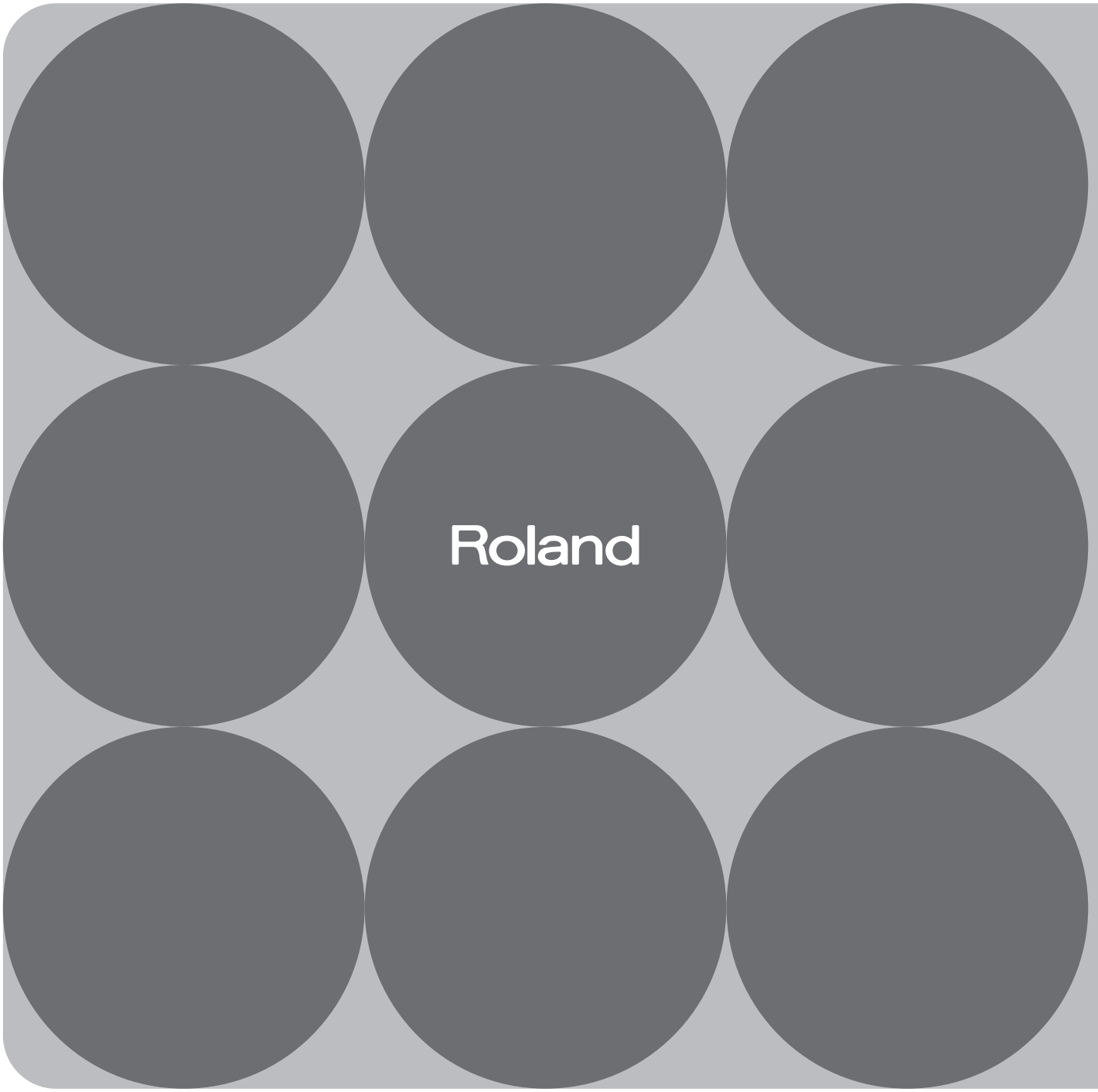
AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For C.A. US (Proposition 65)

WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead.



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