



FP-80

Roland Digital Piano

Owner's Manual

Roland

Look What You Can Do!

Play the Piano

Play various sounds

Page 14

The FP-80 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 20

The FP-80 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 23

The FP-80 has 30 built-in songs that you can play along with. You can also play songs stored on a USB flash drive (sold separately).

Record Songs

Record your performances

Page 26

You can record your performance, including accompaniment.

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

Page 30

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. 69) and "IMPORTANT NOTES" (p. 71). 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.

Copyright © 2013 ROLAND CORPORATION

All rights reserved. No part of this publication may be reproduced in any form without the written permission of ROLAND CORPORATION.

🎵 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.

🎵 Personalize your piano (Piano Designer)

Page 31

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

🎵 Personalize your organ

Page 32

The FP-80's virtual harmonic bars allow you to recreate and customize the sound of an authentic organ.

🎵 Live Performance Features

🎵 Transpose the pitch of the keyboard or song

Page 19

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

🎵 Recall performance settings

Page 36

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

🎵 Add vocals to your performance

Page 34

You can connect a microphone (sold separately) to the FP-80 and add your voice to your performance.
You can even add reverberation and harmonies to your vocals.

🎵 Convenient Functions

🎵 Adjust the keyboard touch

Page 18

You can adjust the touch sensitivity of the keys.

🎵 Disable the buttons

Page 42

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

🎵 Connect to a Wireless LAN

Page 50

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

Contents

Look What You Can Do!	2
Operation Guide	6
Panel Descriptions	10
Getting Ready	12
Using a Stand.....	12
Turning the Power On and Off.....	13
Turning the Power On.....	13
Turning the Power Off.....	13
Listening to the Demos.....	13
Performing	14
Performing with Various Sounds.....	14
Switching Tones.....	14
Performing with Two Layered Tones (Dual Play).....	14
Playing Different Tones with the Right and Left Hands (Split Play).....	15
Performing with the Metronome.....	16
Changing the Metronome's Tempo.....	16
Changing the Metronome's Time Signature.....	16
Changing the Metronome's Volume.....	16
Adjusting the Sound to Your Taste.....	17
Adding Reverberation (Ambience).....	17
Adjusting the Tone Color (Equalizer).....	17
Adjusting the Keyboard Response (Key Touch).....	18
Shifting the Pitch (Transpose).....	19
Adding Accompaniment to Your Performance	20
Playing Along with a Rhythm.....	20
Selecting and Playing a Rhythm.....	20
Adding an Intro.....	20
Adding an Ending.....	21
Adding Variation to the Rhythm.....	21
Inserting a Fill-In.....	21
Selecting Specified Rhythm Parts.....	22
Starting the Rhythm by Playing a Key (Sync Start).....	22
Holding the Last Chord (Chord Hold).....	22
Playing Along with a Chord Progression (Chord Pattern).....	23
Playing Along with a Song.....	23
Selecting and Playing a Song.....	23
Playing Songs Consecutively (All Song Play).....	24
Adjusting a Song's Tempo.....	24
Lower the Level of an Audio File's Central Sound (Center Cancel).....	25
Transposing an Audio File (Audio Transpose).....	25
Recording Your Performances	26
SMF Recording.....	26
Audio Recording.....	27
Setting the Save Destination and Song Name.....	28
Converting an SMF Recording into an Audio Recording.....	29
Burning an Audio Recording (WAV file) onto a CD.....	30
Designing Sounds	31
Personalizing Your Piano (Piano Designer).....	31
Simulating the Way That Sounds Are Created on an Organ (Tonewheel Organ).....	32
Selecting the Type of Tonewheel Organ.....	32
Creating a Tonewheel Organ Sound (Edit Tone Wheel).....	33
Using a Microphone	34
Connecting a Microphone.....	34
Adding Harmony to the Vocal Input via the Microphone (Mic Harmony).....	34
Adjusting the Volume of the Harmony.....	34
Changing How Harmony Is Applied (Harmony Type).....	35
Adding Reverberation to Your Voice (Mic Ambience).....	35
Saving Performance Settings (Registrations)	36
What Is a Registration?.....	36
Recalling a Registration.....	36
Saving Current Settings into a Registration.....	37
Saving a Registration Set (Save Registration Set).....	37
Loading a Saved Registration Set (Load Registration Set).....	38
Copying a Saved Registration Set (Copy Registration Set).....	38
Deleting a Saved Registration Set (Delete Registration Set).....	39
Convenient Functions	40
Making the Power Automatically Turn Off After a Time (Auto Off).....	40
Adjusting the Brightness of the Display (Display Contrast).....	40
Retaining Settings After Power-off (Memory Backup).....	40
Copying a Saved Song (Copy Song).....	41
Deleting a Saved Song (Delete Song).....	41
Disabling the Buttons (Panel Lock).....	42
Restoring the Factory Settings (Factory Reset).....	42
Reformatting Memory (Format Media).....	43
Detailed Function Settings (Function Mode)	44
How to Use Function Mode.....	44
Matching the Pitch with Other Instruments (Master Tuning).....	44
Changing the Tuning System (Temperament).....	44
Specifying a Song's Tonic (Temperament Key).....	44
Specifying What to Transpose (Transpose Mode).....	44
Adjusting the Dual Play Volume Balance (Dual Balance).....	45
Adjusting the Split Play Volume Balance (Split Balance).....	45
Changing the Pitch of the Tone in Octave Steps (Octave Shift).....	45
Chord Recognition When Split Is On (Split-On Chord Recognition).....	45
Setting the Root for Chord Progression (Chord Pattern Root).....	45
Changing How the Pedal Effects Are Applied (Damper Pedal Part).....	45
Changing the Function of the Center Pedal (Center Pedal Function).....	46
Changing How the Pedal Effects Are Applied (Center Pedal Part).....	46
Changing the Function of the Left Pedal (Left Pedal).....	46
Changing How the Pedal Effects Are Applied (Left Pedal Part).....	46
Using a Pedal to Switch Registrations (Pedal Shift).....	46
Selecting the Recording Format (Recording Mode).....	47
Sending Tone-Change Information (Transmit MIDI Information).....	47
Preventing Doubled Notes When Connected to a Sequencer (Local Control).....	48
MIDI Transmit Channel Settings (MIDI Transmit Channel).....	48
Controlling Video Equipment (Visual Control Mode).....	48
Specifying the Visual Control Channel (Visual Control Channel).....	49
Changing the USB Driver Settings (USB Driver).....	49
Changing the USB Flash Drive Mode (USB Memory Mode).....	49

About the Wireless LAN Function50
What Is Wireless LAN Function?50
Basic Connection Method (Connect by WPS)50
Wireless LAN Function Settings51
Status Indication51
Connecting to a Wireless LAN Access Point That You Select (Select AP)51
Other Settings (Option)52
Connecting in Ad-Hoc Mode52
Troubleshooting53
Error Messages56
Saved Settings57
Tone List58
Internal Song List59
Rhythm List60
Chord Fingering List61
Chord Pattern List63
Registration List66
Main Specifications67
Index68
USING THE UNIT SAFELY69
IMPORTANT NOTES71

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 36

M : Internal memory

Page 40

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

Describing this area

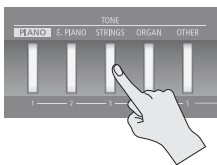


Switching Tones

Switching tones

Page 14

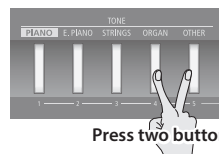
Press one of the TONE buttons, and then press the [-] [+] buttons.



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.

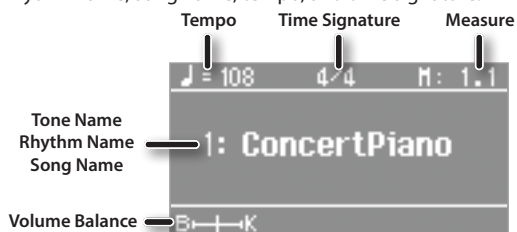
Changing the tones

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.



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.

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

Page 36

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

Recalling a registration

1. Press the [REGISTRATION] button.
2. Press one of the number buttons, from [1] to [5], 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 [REGISTRATION] button, press a button from [1] to [5] to select a registration and then press the [-] [+] buttons to select a registration variation.
3. Use the [-] [+] buttons and the [SLOW/FAST] buttons to give a name to the registration.
4. Press the [METRONOME] button.

REFERENCE For details on the settings that can be stored, refer to "Settings Saved in Registrations" (p. 57).

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.

Changing the Key (Transpose)

Use this feature to shift the pitch of the keyboard and songs. **Page 19**

Turning the transpose feature on

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

Changing the transposition interval

While holding down the [TRANSCOPE] button, press the [-] [+] buttons or play the note.

Disabling the Buttons (Panel Lock)

Locking the panel

Page 42

Hold down the [MIC HARMONY] button until the lower right of the display shows the "🔒" icon.

Unlocking the panel

Hold down the [MIC HARMONY] button, until the "🔒" icon disappears.

Adding Harmony to the Vocal Input from the Microphone (Mic Harmony)

Add harmony to your singing. **Page 34**

Turning mic harmony on

Press the [MIC HARMONY] button so it's lit.

Adjusting the volume of the harmony

Hold down the [MIC HARMONY] button and press the [-] [+] buttons.

Adding Reverberation (Ambience)

Add concert-hall acoustics to your performance. **Page 17**

Turning ambience on

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

Adjusting the ambience

Hold down the [AMBIENCE] button and press the [-] [+] buttons.

Adjusting the Tone Color (Equalizer)

Adjust the tone color. **Page 17**

Turning the equalizer on

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

Selecting the equalizer type

Hold down the [EQUALIZER] button and press [-] [+] buttons.



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

Temperament settings, equalizer settings, and other settings reset to their defaults when power is turned 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 "M" icon indicates settings retained by the Memory Backup function. **Page 40**

1. Press the [SONG] and [RHYTHM] buttons simultaneously.
2. Use the [◀] [▶] (SLOW/FAST) buttons to select "Memory Backup."
3. Press the [METRONOME] button.
4. Press the [▶] (FAST) button to select "Yes."

REFERENCE For details on the settings that can be stored, refer to "Items Stored by Memory Backup" (p. 57).

Operation Guide

Describing this area



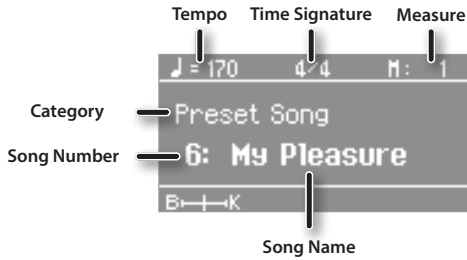
Selecting a Song

Access the song screen, and select a song.

Page 23

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 "USB Memory."
3. Press [-] [+] buttons to select a song.

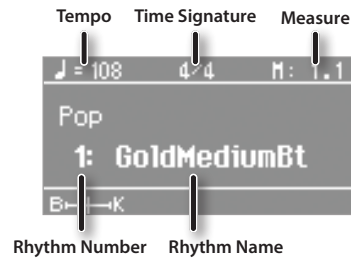


Selecting a Rhythm

Access the rhythm screen, and select a rhythm.

Page 20

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



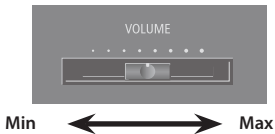
MEMO

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 indicated at the bottom left of the display.



Personalizing Your Piano (Piano Designer)

You can adjust the FP-80's grand piano sound elements to create your own personalized piano tones.

1. Press the [SONG] and [RHYTHM] buttons simultaneously.
2. Use the [◀] [▶] (SLOW/FAST) buttons to select "Piano Designer."
3. Press the [METRONOME] button.
4. Press the [◀] [▶] (SLOW/FAST) buttons to select a parameter.
5. Press the [-] [+] buttons to adjust the value.



Page 31

Playing Along with a Chord Progression (Chord Pattern)

You can add a chord progression to a rhythm and play along with the accompaniment.

Turning on the chord pattern

Press the [CHORD PATTERN] button so it's lit.

Selecting the chord pattern

Hold down the [CHORD PATTERN] button and press the [-] [+] buttons.

MEMO

Shortly before the chord changes, the name of the next chord is displayed.

Page 23



Changing the Tempo and Time Signature

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

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.

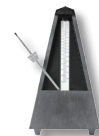
Using the Metronome

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	Press the [◀◀] button.
Play/Stop	Press the [▶/■] button.
Engage recording-standby mode	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 24

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

Making a new recording

Page 26

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 20

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.
Play a specific part	Press the [DRUMS & BASS] button.

Recording a rhythm together with your keyboard play

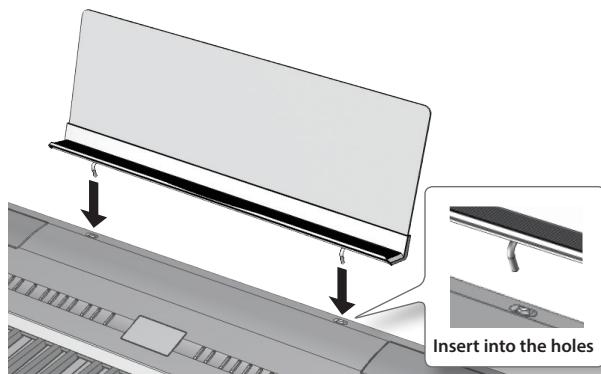
Page 26

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.



[Power] Switch

Turns the power on and off.

Page 13

Rear side

USB MEMORY Port

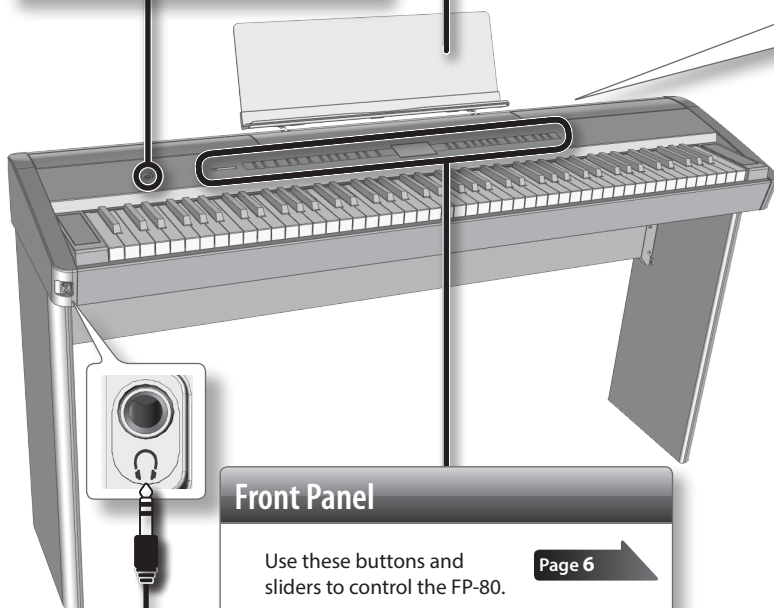
You can use USB flash drives to do all of the following.



- Play WAV files and standard MIDI files (SMF files) copied from your computer. **Page 23**
- Make audio recordings of your FP-80 performances. **Page 27**
- Play these audio recordings at your computer, or burn them to CDs or other media. **Page 30**
- Save/load registration sets. **Page 37**
- By connecting a wireless USB adapter (WNA1100-RL; sold separately), you can use wireless-connectivity applications, such as Air Recorder for iPhone. **Page 50**

* 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.



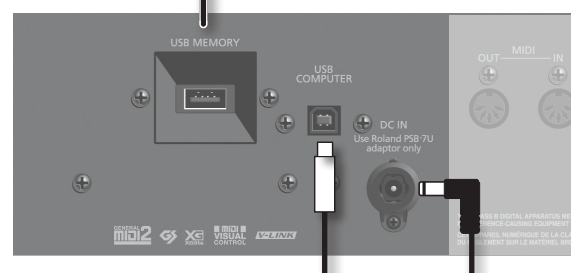
Front Panel

Use these buttons and sliders to control the FP-80.

Page 6

Headphone Jack

Connect your headphones (sold separately) here.



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.

USB COMPUTER Port

You can use commercially available USB cable to connect the FP-80 to your computer. You can then use MIDI-related software to record and play back FP-80 performances.



* 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. 46).
- 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

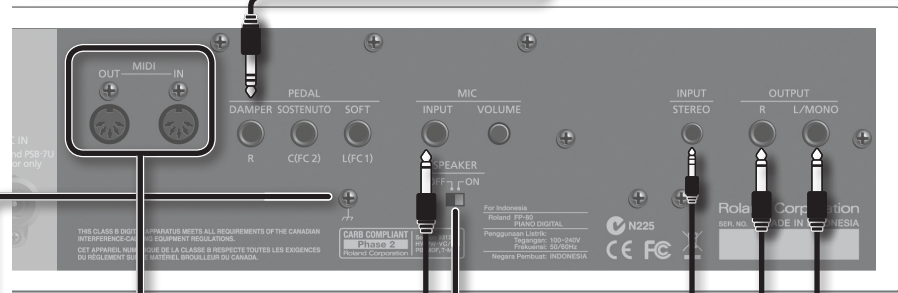
Use this to sustain the sound.
While you hold down the damper pedal, notes will be sustained even if you take your fingers off the keyboard. You can control the amount of sustain applied by the way you press the pedal.
On an acoustic piano, pressing the damper pedal allows other strings to resonate sympathetically with the notes you play, producing a rich and spacious resonance. The FP-80 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.



OUTPUT Jacks

If you connect these jacks to amplified speakers, the sound of FP-80 will be heard through them.



MIDI Connectors

Connect these jacks to external MIDI devices.

MIC Jack and MIC VOLUME Knob

Connect a microphone (sold separately) to this jack.
Use the MIC [VOLUME] knob to adjust the microphone's loudness.

- * If the volume is excessive, you may hear noise from the speakers.
- * Howling could be produced depending on the location of microphones relative to speakers. This can be remedied by:
 1. Changing the orientation of the microphone(s).
 2. Relocating microphone(s) at a greater distance from speakers.
 3. Lowering volume levels.



Page 34

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-80.
Adjust the volume, as necessary, from the source side.

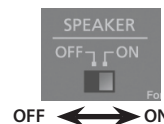


Ground Terminal

Refer to "Ground Terminal" (p. 72).

[SPEAKER] Switch

Turns the FP-80's speakers on or off.



Operation Guide
Getting Ready
Performing
Recording
Designing Sounds
Microphone
Registrations
Settings
Appendix

Getting Ready

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-80: KSC-76, KS-G8, KS-18Z, or KS-12.

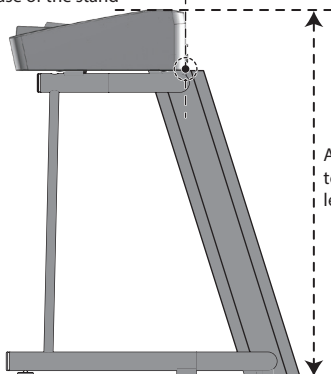
Refer to the following when using a stand.

KSC-76

Refer to the KSC-76 Owner's Manual.

KS-G8

Align the back panel of the FP-80 with the rubber base of the stand



Adjust the stand to the lowest level



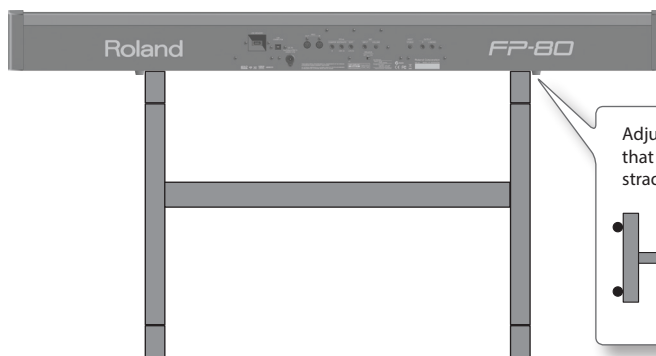
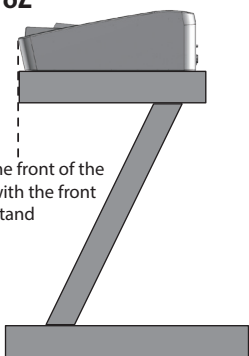
Place the FP-80 so that its rubber feet are on the inner side of the stand



Top view

KS-18Z

Align the front of the FP-80 with the front of the stand



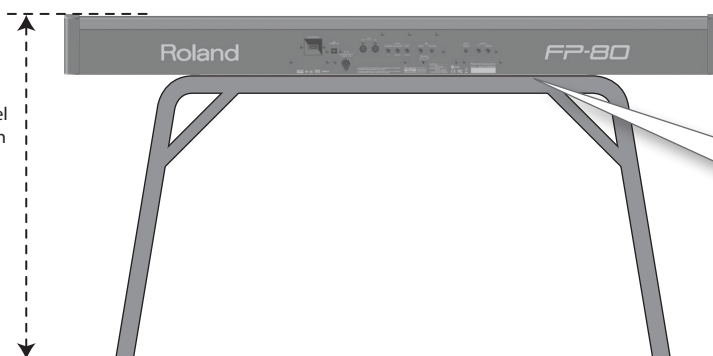
Adjust the width of the stand so that the rubber feet of the FP-80 straddle the stand



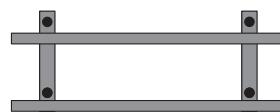
Top view

KS-12

Adjust the stand to a level no higher than the second level from the bottom



Adjust the width of the stand so that the rubber feet of the FP-80 fit into the holes provided for the rubber feet



Top view

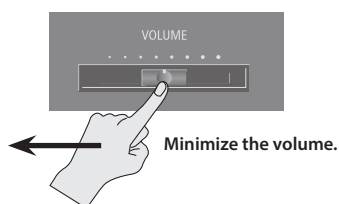
Turning the Power On and Off

Turning the Power On

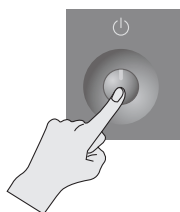
NOTE

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.

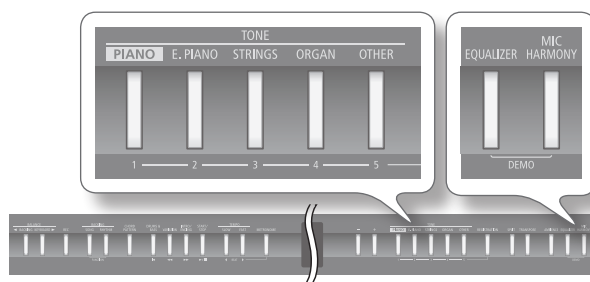
Concerning the Auto Off function

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. 40).

- 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. Hold down the [EQUALIZER] button and press the [MIC HARMONY] button.

The TONE buttons start blinking.

2. Press one of the TONE buttons.

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.

3. To stop playback, press the blinking TONE button.
4. To terminate demo play, press the [EQUALIZER] button or the [MIC HARMONY] 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 and USB COMPUTER port.

Performing

R: Indicates settings saved in registrations (p. 36).

M: Indicates settings retained by the Memory Backup function (p. 40).

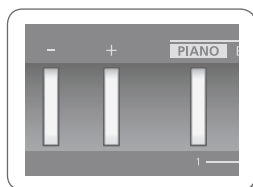
Performing with Various Sounds R

In addition to piano sounds, the FP-80 lets you enjoy performing with many other sounds (372 different tones).

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

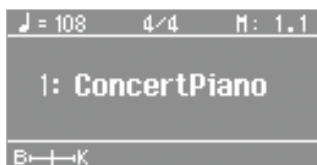
Switching Tones

Let's start by performing with a piano tone.



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

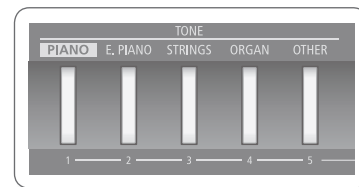
The currently selected tone number and tone name are displayed.



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 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.
[ORGAN] button	Allows you to select organ tones. If you've selected a tone to which the rotary effect is applied, pressing the [ORGAN] button will switch the speed of the rotary effect. If you select one of the "TW-Organ 1-6" tones, you can simulate the way sounds are built on an organ (p. 32).
[OTHER] button	Allows you to select vocal, brass, and GM2 tones.

REFERENCE

For details on the tones, refer to "Tone List" (p. 58).

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.

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.

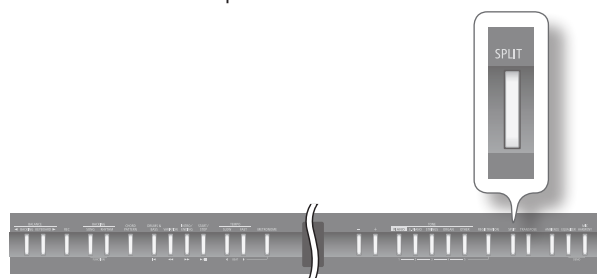
2. To exit Dual Play, press one of the TONE buttons.

MEMO

- You can adjust the volume balance of the two tones (p. 45).
- You can shift the pitch of tone 2 in steps of an octave (p. 45).
- 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. 45).

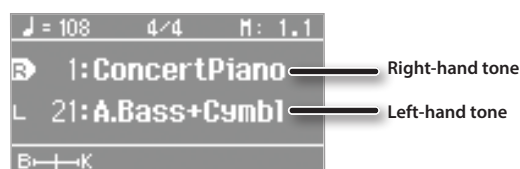
Playing Different Tones with the Right and Left Hands (Split Play)

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."

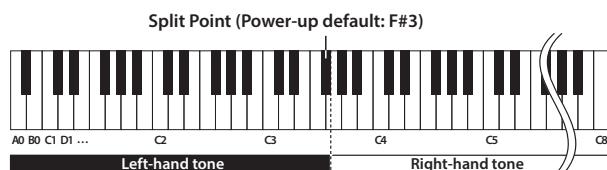


1. Press the [SPLIT] button.

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



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

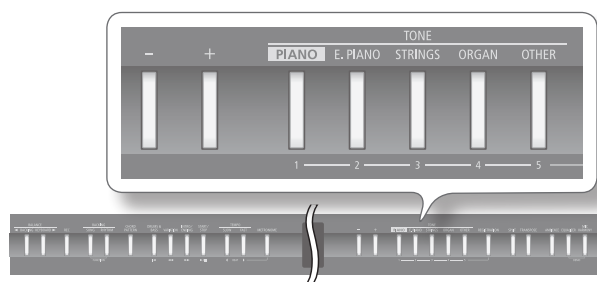


2. To exit Split Play, press the [SPLIT] button once again.

MEMO

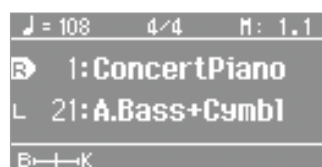
You can adjust the volume balance of the right-hand and left-hand tones (p. 45).

Changing the right-hand tone



1. Press the TONE button.

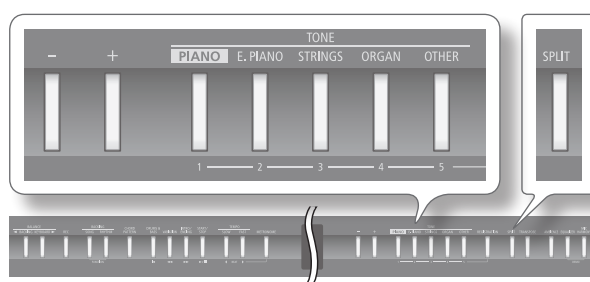
The number and name of tone currently selected for the right-hand zone are shown.



2. Press the [-] [+] buttons.

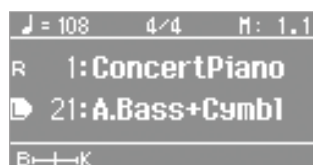
A different tone is selected.

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.



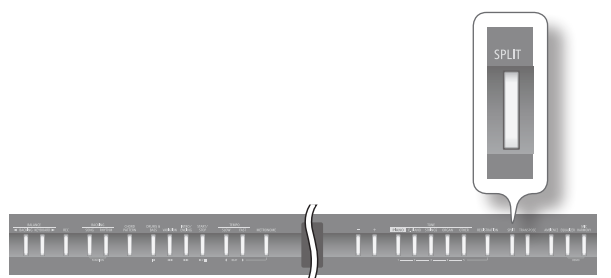
2. Hold down the [SPLIT] button and press the [-] [+] buttons.

A different tone is selected.

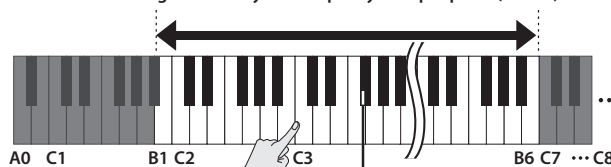
MEMO

You can shift the pitch of the left-hand tone in steps of an octave (p. 45).

Changing the split point



Range in which you can specify the split point (B1-B6)



Split point (Power-up: F#3, included in left-hand zone)

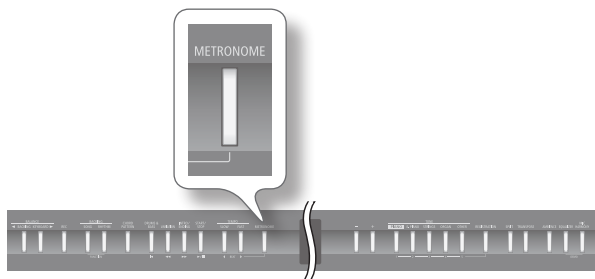
1. Hold down the [SPLIT] button and press the key that you want to be the split point.

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.



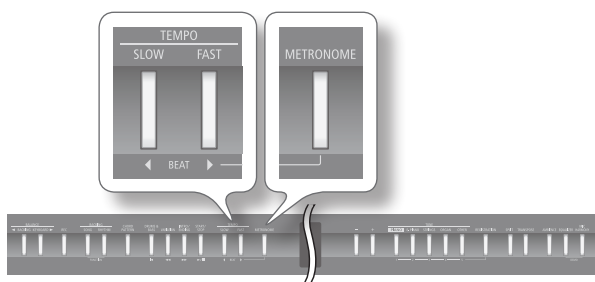
1. Press the [METRONOME] button.

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

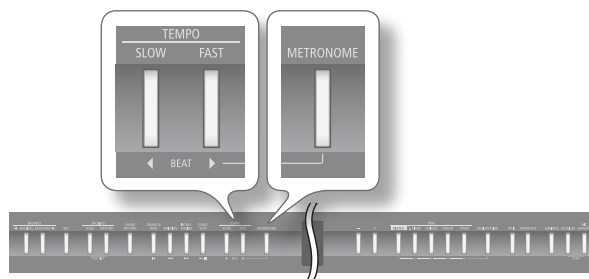


1. Press the [METRONOME] button.

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.

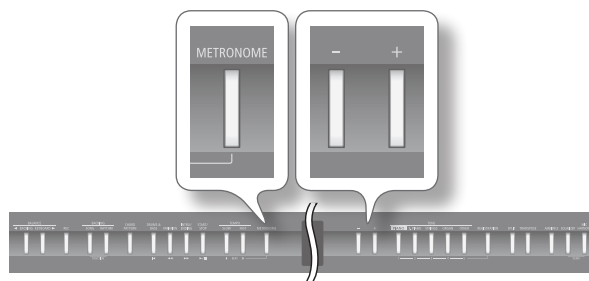
When you record your performance, it will be recorded using the time signature you specify here.

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
-------	---

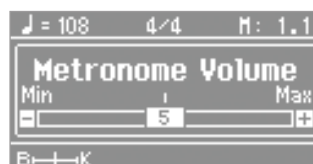
* You can't change the metronome's time signature while a song or rhythm is playing.

Changing the Metronome's Volume



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

The display will indicate the metronome's volume.



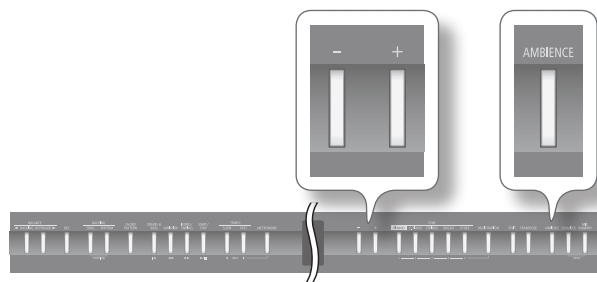
Value	Explanation
0-10	If the metronome's volume is set at "0," you won't hear the metronome.

Adjusting the Sound to Your Taste

The FP-80 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-80, producing the impression that you are performing in a concert hall. This effect is called "Ambience."



1. Press the [AMBIENCE] button.

The [AMBIENCE] button will light.

2. While holding down the [AMBIENCE] button, press the [-] [+] buttons.

The display will indicate the ambience depth setting.



Value	Explanation
1-10	Higher values apply deeper ambience.

3. To turn off the ambience effect, press the [AMBIENCE] button once again.

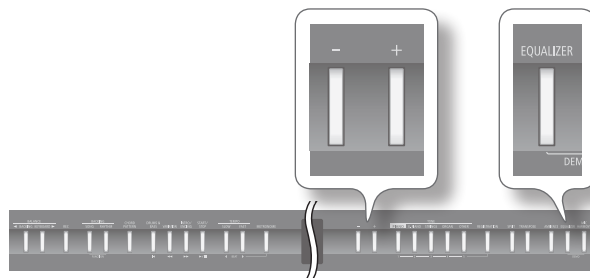
The [AMBIENCE] button will go out.

* 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. There are four equalizer types available.

You can adjust the tone color with each equalizer to suit your tastes.

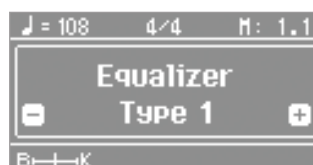


1. Press the [EQUALIZER] button.

The [EQUALIZER] button will light.

2. Hold down the [EQUALIZER] button and use the [-] [+] buttons to select an equalizer type.

The display will indicate the equalizer's type.



Value	1-4
-------	-----

MEMO

You can make detailed adjustments to equalizer settings (p. 18).

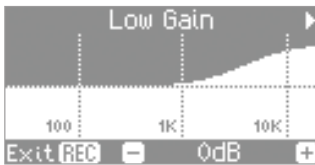
3. To turn equalization off, press the [EQUALIZER] button once again.

The [EQUALIZER] button will go out.

Editing the equalizer settings

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. Press the [◀] [▶] (SLOW/FAST) buttons to select "Equalizer."
3. Use the [-] [+] buttons to select the type of equalizer that you want to edit.
4. Press the [METRONOME] button.
The equalizer screen appears.



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

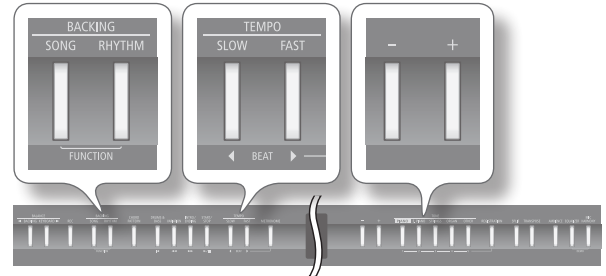
Parameter	Value	Explanation
Low Gain	-12~+12 dB	Adjusts the level of the low-frequency range.
Low Freq	100~1 k (Hz)	Frequency point in the low-frequency range. This changes the level at and under the specified bandwidth.
Low Mid Gain	-12~+12 dB	Adjusts the level of the low- to mid-frequency range.
Low 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.
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.
High Mid Gain	-12~+12 dB	Adjusts the level of the mid- to high-frequency range.
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.
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.
High Gain	-12~+12 dB	Adjusts the level of the high-frequency range.
High Freq	1.25~16 k (Hz)	Frequency point in the high-frequency range. This changes the level at and over the specified bandwidth.

6. Use the [-] [+] buttons to change the setting.
* Sounds may become distorted as the gain level increases.
7. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

Adjusting the Keyboard Response (Key Touch)

R

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

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

Shifting the Pitch (Transpose) (R)

“Transpose” means to shift the pitches of songs and the keyboard. The Transpose function makes it easy to do the following.

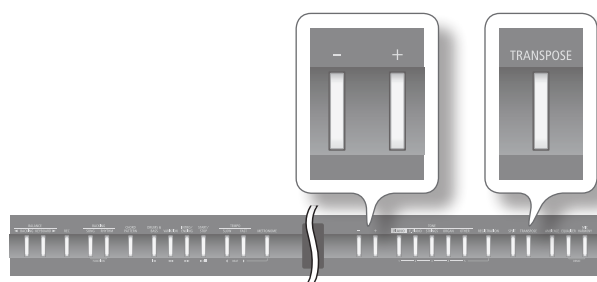
- You can use unchanged fingering to accompany a singer who is singing in a key different than the original music.
- A song written in a difficult key with numerous sharps (#) or flats (b) can be performed in a key that’s easier for you to play.

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. 44).
- You can also transpose audio files and audio input through the INPUT jack (p. 25).

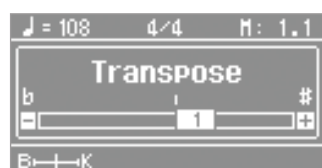


1. Press the [TRANSCOPE] button.

The [TRANSCOPE] button will light.

2. While holding down the [TRANSCOPE] 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 [TRANSCOPE] 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 [TRANSCOPE] button once again.

The [TRANSCOPE] 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-80's rhythm

The FP-80 can automatically match its rhythmic accompaniment to the chords that you play on the keyboard. This feature is called "rhythm."

The FP-80 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 also set chord progressions for your rhythms (p. 23).
- You can limit the rhythm part to drums, or select other parts for the rhythm (p. 22).

4. Press the [START/STOP] button.

The FP-80 starts playing the selected rhythm.

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

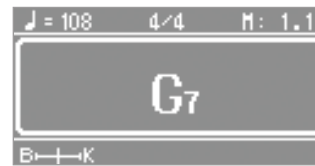
To turn rhythm play off, press the [START/STOP] button once again.

REFERENCE

For details on the available rhythms, refer to "Rhythm List" (p. 60).

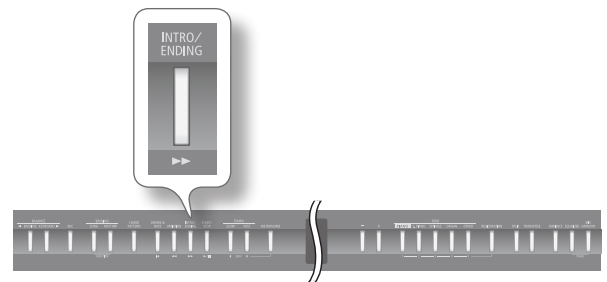
MEMO

- It's not necessary to strike all the notes of each chord. The FP-80 recognizes various alternative chord voicings (p. 45).
- If you'd like to see what chord the FP-80 is currently using for the rhythm, access the rhythm screen and press the [RHYTHM] button.



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.

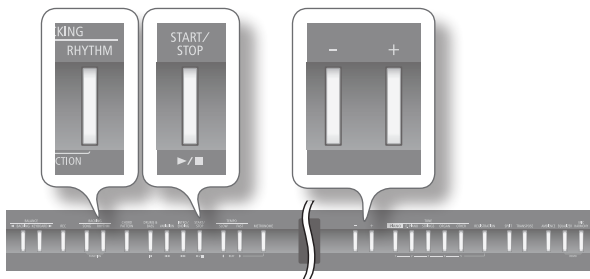
When the intro is completed, the [INTRO/ENDING] button will go out.

MEMO

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

Selecting and Playing a Rhythm

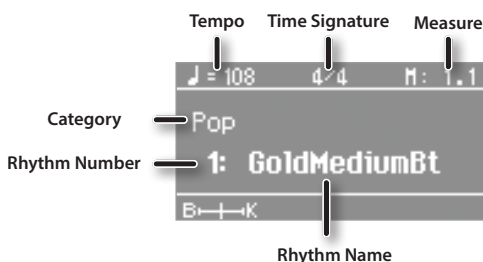
Here's how to select a rhythm, start it, and play along with it.



1. Press the [RHYTHM] button.

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

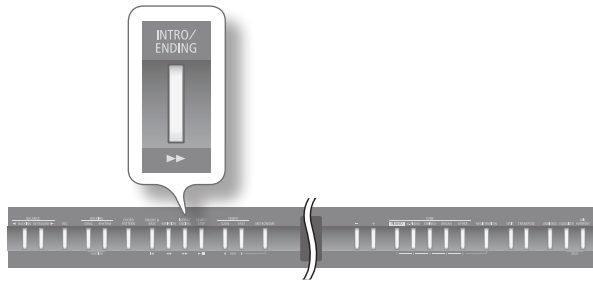
2. Hold down the [RHYTHM] button and press the [-] [+] buttons to select the rhythm category.



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

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.

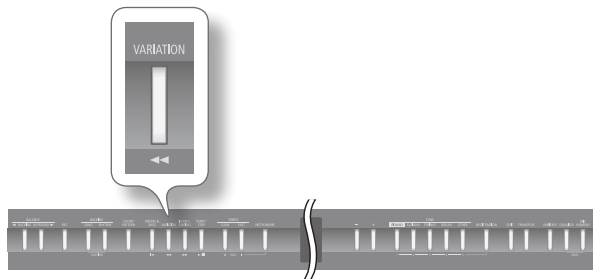
MEMO

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.

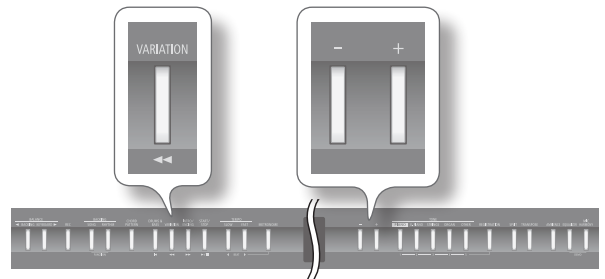


1. Press the [VARIATION] button to switch the accompaniment pattern.

[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.

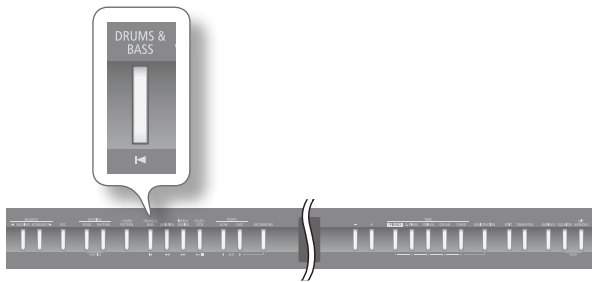
The [VARIATION] button blinks while the fill-in is playing.

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

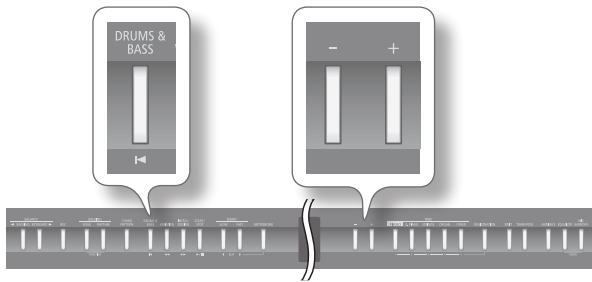
As an example, proceed as follows to select a drum-only rhythm part.



1. Press the [DRUMS & BASS] button.

[DRUMS & BASS] button	Explanation
Unlit	Play all parts.
Lit	Play only the selected Rhythm Part.

Selecting the rhythm parts (Rhythm Part)



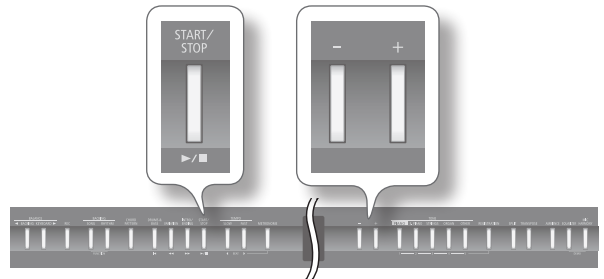
1. Hold down the [DRUMS & BASS] button, and press the [-] [+] buttons.



Value	Explanation
Drums & Bass	Play only the drum and bass parts.
Bass	Play only the bass part.
Drums	Play only the drum part.

Starting the Rhythm by Playing a Key (Sync Start)

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



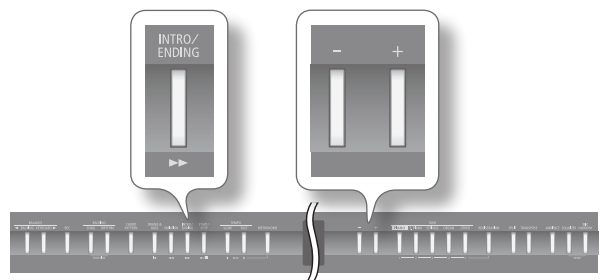
1. Hold down the [START/STOP] button and press the [-] [+] buttons.



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.

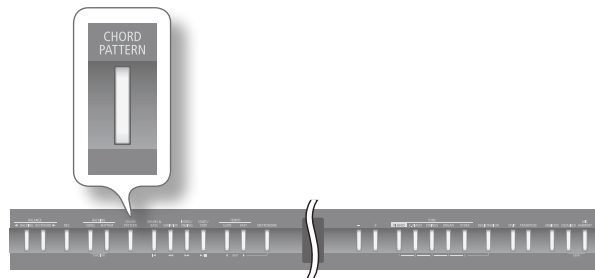


Value	Explanation
On	Continue chord's rhythm until you play another chord.
Off	All parts play while you hold down the chord. When you lift fingers off keys, the drum part continues but all other parts stop. You can create a jazz four verse by having the drums play by themselves, feature the piano accompaniment,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

* The Chord Hold setting is ignored while Chord Pattern is turned on.

Playing Along with a Chord Progression (Chord Pattern)

Set up the chord progression for the accompaniment. The chords will progress automatically; go ahead and play a melody as desired.



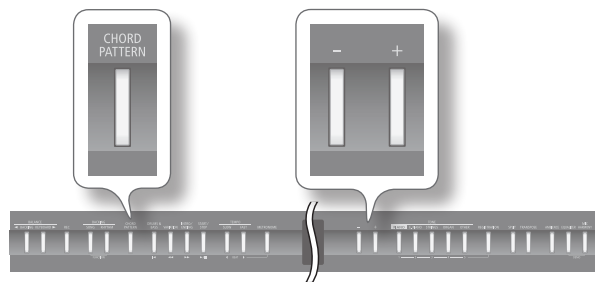
1. Press the [CHORD PATTERN] button.

[CHORD PATTERN] button	Explanation
Unlit	Chord pattern is Off.
Lit	Chord pattern is On.

MEMO

- The Chord screen is displayed when Chord Pattern is turned on and a rhythm starts playing.
- Shortly before the chord changes, the name of the next chord is displayed.

Selecting the chord pattern



1. Hold down the [CHORD PATTERN] button and press the [-] [+] buttons.



Value	1-90
-------	------

REFERENCE

The "Chord Pattern List" (p. 63) shows the available progressions.

Playing Along with a Song

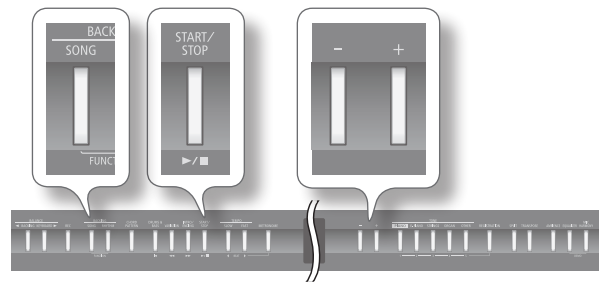
You can play the keyboard along with a song.

Selecting and Playing a Song

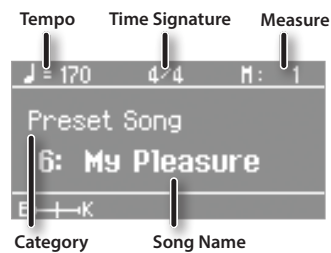
Listen to the available songs. The FP-80 comes with 30 built-in songs.

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 and USB COMPUTER port.



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
USB	Songs saved on a USB flash drive
Favorite	Songs saved in internal memory
Preset	Songs built into the FP-80

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 "(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.

Adding Accompaniment to Your Performance

MEMO

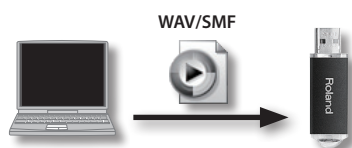
If the metronome is on, a two-bar count-in precedes the song start.

Using the Buttons

[◀] button	Returns you to the start of the song.
[◀◀] button	Rewinds the song.
[▶▶] button	Fast-forwards the song.
[▶/■] button	Starts or stops song play. Starts or stops recording.



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-80's USB MEMORY port.
3. At the song screen, select "USB" as the category.
4. Select the desired song from the list on the display.

Supported song formats

The FP-80 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."

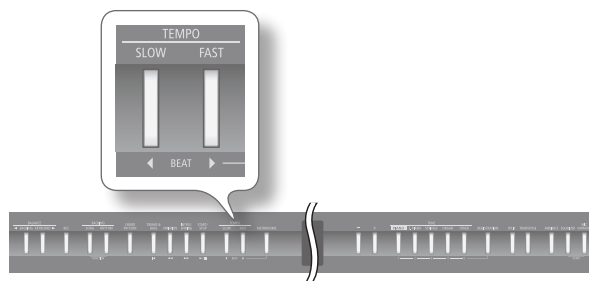
1. Hold down the [SONG] button and press the [-] [+]
buttons to select the category.
2. Hold down the [SONG] button and press the [▶/■]
button.

"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 a 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.

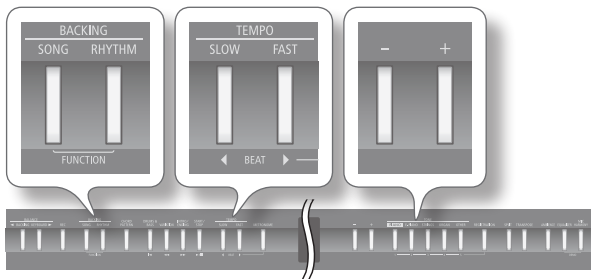
Lower the Level of an Audio File's Central Sound (Center Cancel)

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.

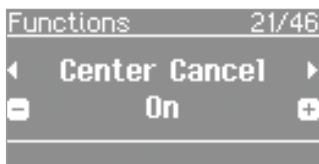
MEMO

This feature operates both on the selected audio files and on audio input (via the INPUT jack) from a digital audio player.

- * 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.
- * Mic Harmony (p. 34) and Damper Resonance (p. 31) are not applied while Center Cancel is on.



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



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

Value	Explanation
On	Lower the central sound when playing.
Off	Play normally.

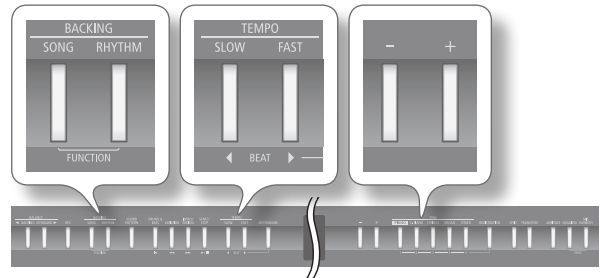
4. Use the [SONG] and [RHYTHM] buttons simultaneously to finish.

Transposing an Audio File (Audio Transpose)

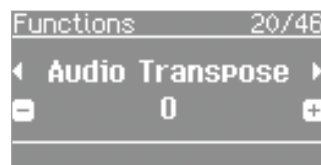
R

An audio file you select and the sound from a digital audio player connected to the INPUT jack can be transposed.

- * 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 "Audio Transpose."



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 [TRANSPPOSE] 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-80 can record performances into both MIDI files (SMF files) and audio files.



SMF and audio recording

File Type	Explanation
SMF recording	<p>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.</p> <p>* In most cases you should use SMF recording.</p>
Audio recording	<p>An audio file stores actual sound data. You can easily play these recordings on your computer.</p> <p>* In order to use audio recording, you must connect a USB flash drive (sold separately) to the USB MEMORY port (p. 10).</p> <p>* Thanks to its multiple number of speakers, each of which can be used to play a different portion of the overall sound, the FP-80 is capable of producing piano sounds that possess great depth and three-dimensional presence (Acoustic Projection). When playing from the keyboard or from SMF data, the FP-80 applies an acoustic projection effect that makes the sound more natural. This effect is not used with audio recordings, as they are already recorded in stereo (using two channels).</p>

* 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.

4. Press the [REC] button.

The display shows the message "New Song."

The [REC] button lights up, the [▶/■] button blinks, and the FP-80 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 upper right of the display shows "-2" and then "-1"), and then recording starts.

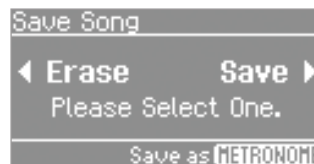
When recording starts, the [REC] and [▶/■] buttons light.

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 Song 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 Song 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 "Executing..." is displayed.

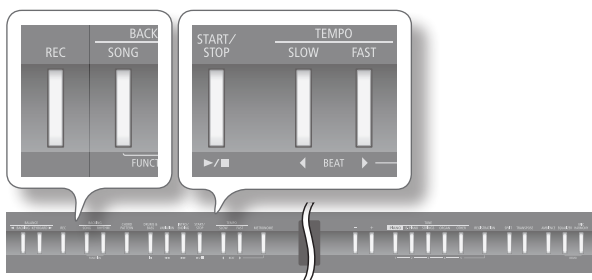
MEMO

You can select the save location and song name for your recording (p. 28).

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. 23) if you want to select a song, or "Selecting and Playing a Rhythm" (p. 20) if you want to select a rhythm.

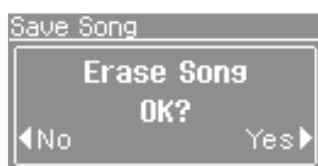
* You cannot record an audio file as an accompaniment.

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

Erasing a recorded performance

1. Press the [◀] (SLOW) button to select "Erase."

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.

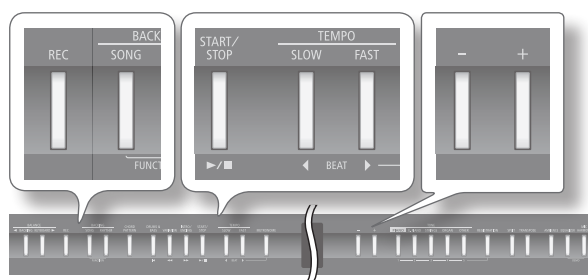
Audio Recording

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

When making the recording, you can also record vocals through the microphone, and external audio via the INPUT jack.

* 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).

MEMO

If also recording through the microphone or from the INPUT jack, adjust the sound level accordingly.

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

MEMO

Refer to "Selecting and Playing a Song" (p. 23) if you want to select a song, or "Selecting and Playing a Rhythm" (p. 20) 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-80 enters recording-standby mode.



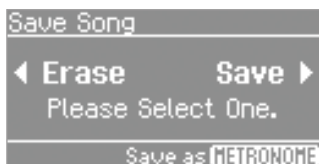
If you decide not to record, press the [REC] button once again.

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 Song 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 Song 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" followed by a free song number.

NOTE

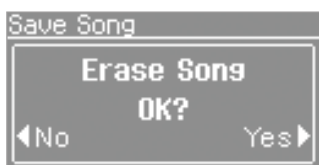
Do NOT turn off the power or disconnect the USB flash drive while "Executing..." is displayed.

MEMO

You can select the save location and song name for your recording (p. 28).

Erasing a recorded performance

1. Press the [◀] (SLOW) button to select "Erase."
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.

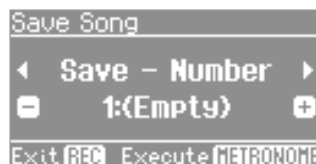
1. Confirm that the Save Song screen is on the display, and press the [METRONOME] button.
2. Press the [-] [+] buttons to select the desired storage location.

Display	Storage location
Favorite	Internal memory
USB Memory	USB flash drive

- * Audio data cannot be saved into internal memory.
- * "USB Memory" 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.

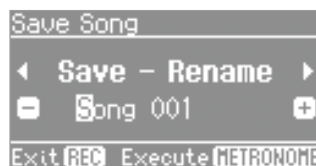


4. Press the [-] [+] buttons to select the song number at the save destination.

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 "Executing..." is displayed.

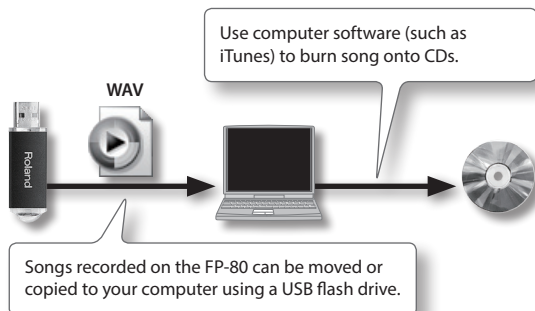
Converting an SMF Recording into an Audio Recording

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 30



To listen to 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-80 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. 23).
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-80 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-80 (using its keyboard or by controlling it with an external MIDI device) or input sound via the INPUT jack, 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-80 converts the section that was just played. A confirmation message asks whether to save or erase the file.

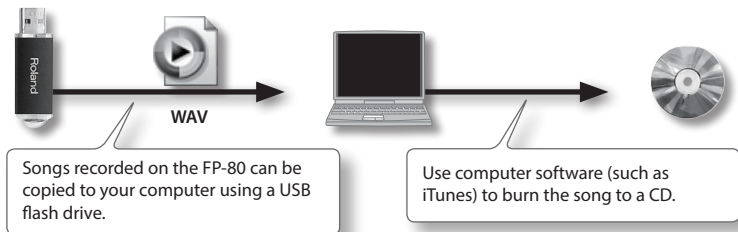
9. Choose whether to save or erase the converted file (p. 28).



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. 29).

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.



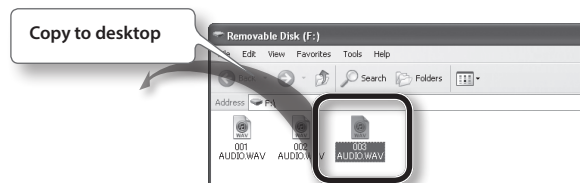
If you're using Windows, a "Removable disk" icon will appear in "Computer." If you're using Mac OS X, a "NO NAME" icon will appear on the desktop.

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).

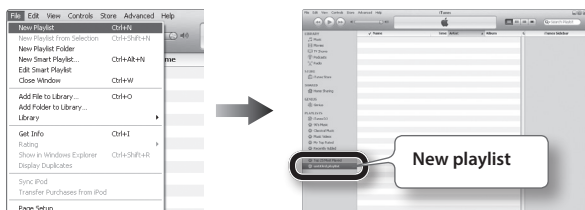
3. Copy the song (WAV file) that you want to burn to your computer's desktop or another location where you can easily find it.



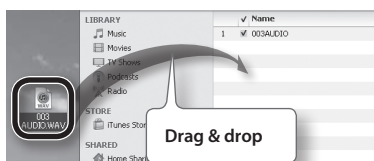
Using iTunes to burn the song to CD

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.

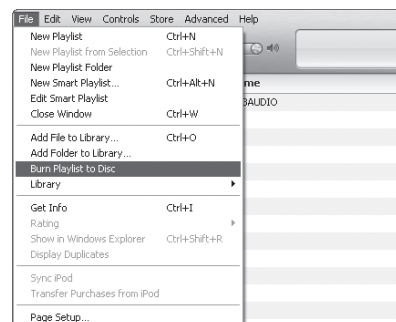


3. From the desktop (or other location) where you copied it, drag and drop the song (WAV file) to add it to the playlist you just created in step 2.

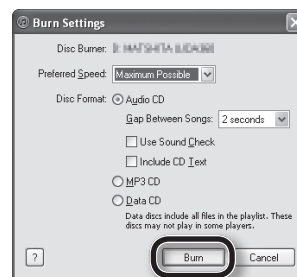


4. Insert a blank CD-R into your computer.

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.



Designing Sounds

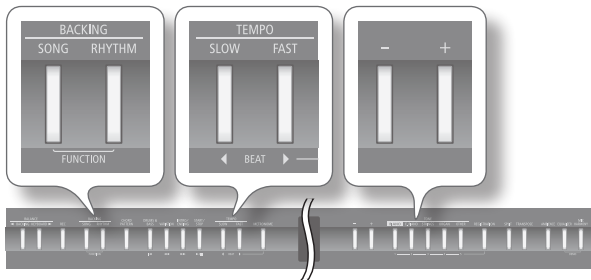
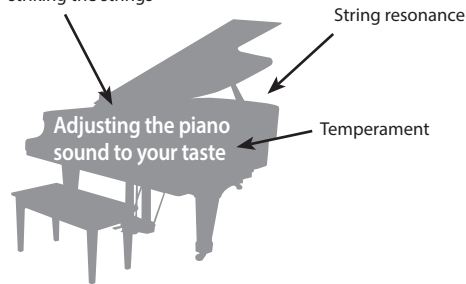
Personalizing Your Piano (Piano Designer) M

What is Piano Designer?

The FP-80 allows you to personalize your piano sound by adjusting various factors that affect the sound, such as the piano's strings, the resonance produced using the pedals, and the sound of the hammers striking the strings.

This function is called "Piano Designer."

The sound of the hammers striking the strings



1. Press the [SONG] and [RHYTHM] buttons simultaneously.
2. Use the [◀] [▶] (SLOW/FAST) buttons to select "Piano Designer."
3. Press the [METRONOME] button.

The Piano Designer screen appears, and the "ConcertPiano" tone will be selected.



* Once you access the Piano Designer screen, Mic Harmony, Center Cancel, and Audio Transpose are turned off.

4. Press the [◀] [▶] (SLOW/FAST) buttons to select a parameter (sound element) that you'd like to adjust.
5. Use the [-] [+] buttons to adjust the value.
6. Repeat steps 4–5 to create your own personalized piano sound.
7. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

Piano designer parameters

Indication	Value	Explanation
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.
Hammer Noise	-2–0–2	This adjusts the sound of the hammer when it strikes the string of an acoustic piano. Higher settings will produce a louder sound of the hammer striking the string.
Hammer Response	Off, 1–10	This adjusts the time from when you play a key until the piano sound is heard. Higher settings will produce slower response.
Duplex Scale	Off, 1–10	This adjusts the sympathetic vibrations of an acoustic piano's Duplex Scale. Higher settings will make the sympathetic vibration louder.
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.
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 Resonance	Off, 1–10	Adjusts the body resonance of the grand piano itself. Higher values will produce a larger body resonance.
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.
Damper Noise	Off, 1–10	This adjusts the damper noise of the acoustic piano sound (the sound of the damper releasing the strings when you press the damper pedal). * If Damper Resonance is turned "Off," damper noise will not be heard.
Stretch Tuning	Off, Preset, User (User: -50–0–+50)	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 "Preset," a standard tuning curve created for the FP-80 will be used. To adjust the stretch tuning, first select "User" and then press the [METRONOME] button. Play the key whose pitch you want to adjust, then use the [-] [+] buttons to adjust its pitch. Pressing the [REC] button will take you back to the previous screen.

Temperaments

Temperament	Qualities
Equal	In this tuning, each octave is divided into twelve equal steps. Every interval produces about the same amount of slight dissonance.
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.
Just Minor	There are two types of Just tunings: major and minor. You can get the same effect with the minor scale as with the major scale.
Pythagorean	This tuning, devised by the philosopher Pythagoras, eliminates dissonance in fourths and fifths. Dissonance is produced by third-interval, but melodies are euphonious.
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).
Meantone	This scale makes some compromises in just intonation, enabling transposition to other keys.
Werckmeister	This temperament combines the Meantone and Pythagorean tunings. Performances are possible in all keys (first technique, III).
Arabic	This tuning is suitable for the music of Arabia.

What is the Duplex Scale?

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

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

Simulating the Way That Sounds Are Created on an Organ (Tonewheel Organ) ®

On the FP-80, you can use the [ORGAN] button to select one of the "TW-Organ 1–6" tones to play tones that simulate the way in which sound is produced by an organ.

On a tonewheel organ, you can create original sounds by sliding nine harmonic bars (drawbars) forward or backward to change their relative balance. Each bar is assigned a different footage, and this footage determines the pitch of the sound. 8' is the footage that forms the basic pitch of the sound; this is the center around which you create the tone.

By assigning the footage to the TONE buttons, you can simulate the way in which these harmonic bars are used to create the sound.

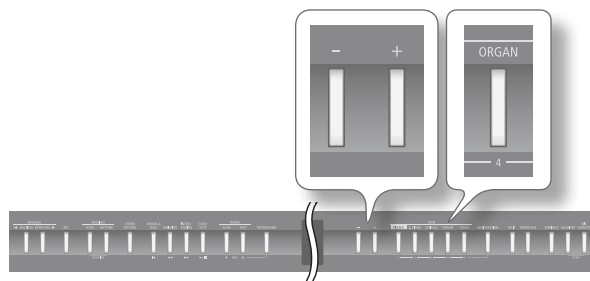
What's the Footage?

"Footage" is a term that began as a measurement of the length of the pipes in a pipe organ.

The pipes that produce the basic pitch (fundamental) for each note are considered to be 8 feet in length.

Therefore, a pipe producing a pitch one octave below that of the reference of 8' (eight feet) would be 16'; for one octave above the reference, the pipe would be 4'; and to take the pitch up yet another octave it would be shortened to 2'.

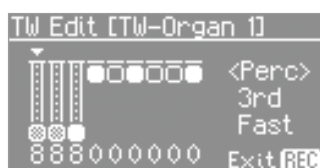
Selecting the Type of Tonewheel Organ



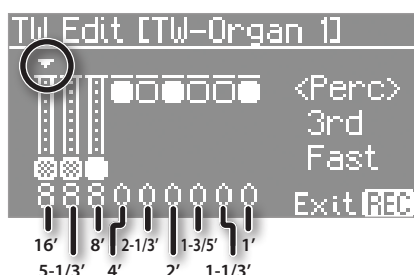
1. Press the [ORGAN] button so it's lit.
2. Use the [-] [+] buttons to select one of the "TW-Organ 1–6" tones.

Creating a Tonewheel Organ Sound (Edit Tone Wheel) R

1. Press the [SONG] and [RHYTHM] buttons simultaneously.
2. Press the [◀] [▶] (SLOW/FAST) buttons to select "Edit Tone Wheel."
3. Use the [-] [+] buttons to select the tonewheel organ tone that you want to edit.
4. Press the [METRONOME] button.
The TW Edit screen appears.



5. Select the desired footage by pressing the corresponding button.



Button	Footage
[PIANO] button	16'
[E. PIANO] button	5-1/3'
[STRINGS] button	8'
[ORGAN] button	4'
[OTHER] button	2-2/3'
[REGISTRATION] button	2'
[SPLIT] button	1-3/5'
[TRANPOSE] button	1-1/3'
[AMBIENCE] button	1'

6. Use the [-] [+] buttons to adjust the volume of the footage.

Value	0-8
-------	-----

7. Repeat steps 5-6 to create your own personalized organ sound.
8. Press the [SONG] and [RHYTHM] buttons simultaneously to finish.

Adding sparkle to the sound (percussion)

1. From the TW Edit screen, press the [EQUALIZER] button.
The cursor moves to the switch that selects the percussion type.



2. Use the [-] or [+] buttons to select the percussion type.

Value	Explanation
OFF	Percussion will not sound.
2ND	Percussion sounds at a pitch one octave above that of the key pressed.
3RD	Percussion sounds at a pitch an octave and a fifth above that of the key pressed.

Pressing the [REC] button will take you back to the previous screen.

* The Percussion is applied only to the Upper Tone.

* When percussion is on, the 1' pitch will not be produced.

Adjusting the rate at which the percussion decays

1. From the TW Edit screen, press the [MIC HARMONY] button.

The cursor moves to the switch that selects the speed at which the percussion sound will decay.



2. Use the [-] [+] buttons to select the speed at which the percussion sound will decay.

Value	Explanation
SLOW	The percussion sound will decay slowly. The percussion will have a more gentle attack.
FAST	The percussion sound will decay quickly. The percussion will have a sharper attack.

Pressing the [REC] button will take you back to the previous screen.

What is Percussion?

Percussion adds an attack-type sound to the beginning of the note to give the sound more sparkle.

When notes were played legato (smoothly and connectedly), percussion was applied only to the first-played note.

When notes were played staccato (articulating each note separately), percussion was applied to all notes. This method is referred to as single trigger algorithm, and is a very important element in organ performance. The FP-80 faithfully simulates this characteristic.

Using a Microphone

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

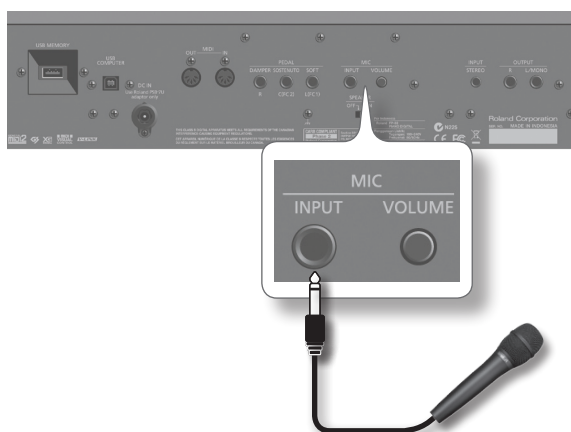
You can also add harmony and reverberation (ambience) to your singing.

MEMO

- You can use the Center Cancel feature (p. 25) to reduce the volume of sounds located in the center of the sound field of audio files. You can use it, for example, to reduce the level of the melody or vocal so that you can perform the part yourself.
- You can use the Audio Transpose feature (p. 25) to transpose the pitch of audio files and audio input through the INPUT jack.

Connecting a Microphone

Here's how to connect a microphone to the MIC jack.



1. Turn the MIC [VOLUME] knob all the way toward the left to minimize the microphone volume.
2. Connect the microphone to the MIC jack.
The microphone input will turn on.
3. Turn the MIC [VOLUME] knob to adjust the microphone volume.



* If the volume is excessive, you may hear noise from the speakers.

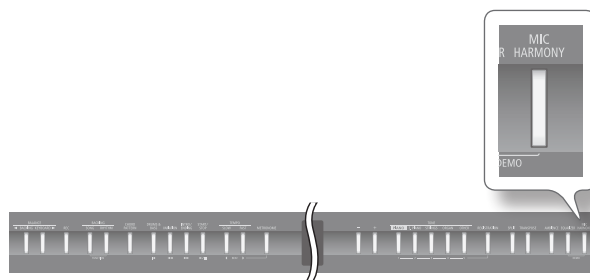
Adding Harmony to the Vocal Input [®] via the Microphone (Mic Harmony)

This feature adds harmony to your singing.

Suitable harmony will be generated according to the chord data of the song or the chords you play on the keyboard.

In the following cases, chord data will be assigned automatically.

- Harmony will be generated according to the chord data detected from your keyboard performance.
- When Chord Pattern (p. 23) is turned on and a rhythm is played, harmony will be generated according to the chord pattern.



1. Press the [MIC HARMONY] button.

The [MIC HARMONY] button will light.

If you press the [MIC HARMONY] button once again, the button will go out and the harmony effect will be canceled.

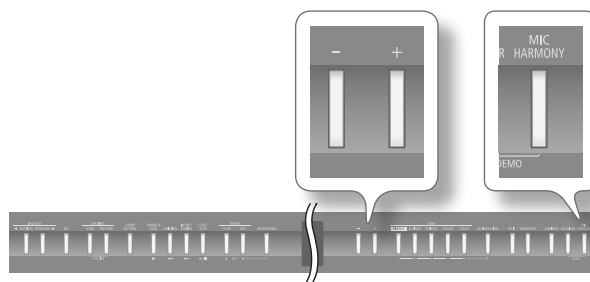
- * Certain effects and Piano Designer parameters will no longer be applied when you add harmony; this may cause the tone to sound differently.
- * The Audio Transpose (p. 25) and Center Cancel (p. 25) features cannot be used at the same time that harmony is used.

MEMO

You can assign a pedal to turn the harmony on/off (p. 46).

Adjusting the Volume of the Harmony

You can adjust the volume of the harmony.



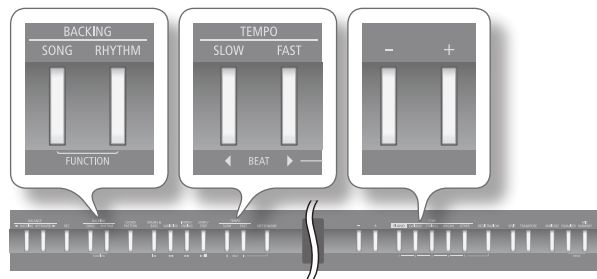
1. Hold down the [MIC HARMONY] button and press the [-] [+] buttons.

The display will indicate the volume of the harmony.

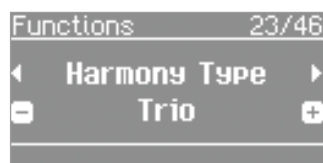


Changing How Harmony Is Applied (Harmony Type)

You can select the type of harmony that is applied.



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



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

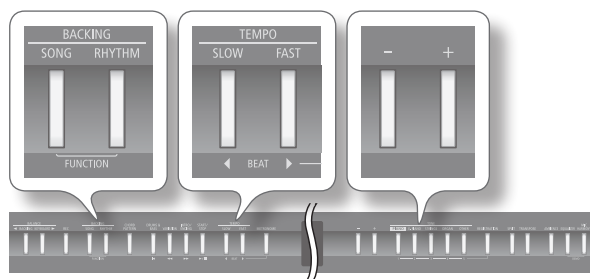
Value	Explanation
Duet	One voice of harmony will be added to your voice.
Trio	Two voices of harmony will be added to your voice.

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

Adding Reverberation to Your Voice (Mic Ambience) ^R

You can add reverberation (ambience) to your voice when using a microphone.

Reverberation can improve the sound of your vocals.



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



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

Value	Explanation
Off, 1–10	Higher values apply more ambience.

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

Saving Performance Settings (Registrations)

What Is a Registration?

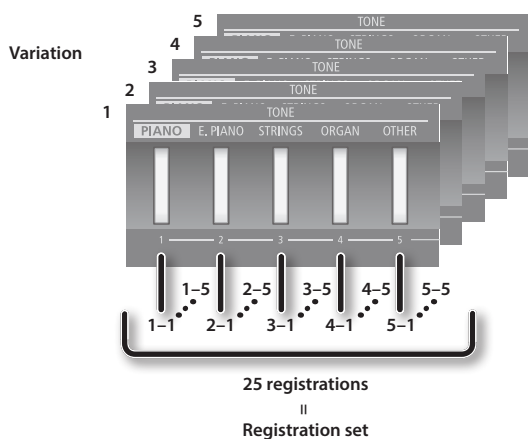
You can use the [REGISTRATION] button to save settings such as those for the tones you've selected, the Dual Play or Split Play setting, and Rhythm settings.

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

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

The FP-80 has five registration buttons ([1]–[5]), and you can save five different registrations under each button. This means that you can save as many as 25 registrations.

An entire group of 25 registrations is called a "Registration Set."

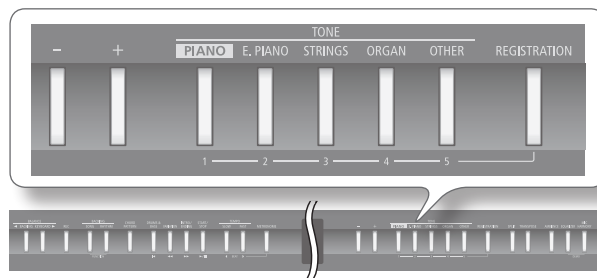


MEMO

- Within this manual, the "R" 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. 57).
- You can save registration sets to the FP-80's internal memory or to a USB flash drive (sold separately; p. 37).

Recalling a Registration

You can easily recall settings you've saved with the [REGISTRATION] button.



1. Press the [REGISTRATION] button.

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



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



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

The settings change accordingly.

MEMO

- You can also use a pedal to recall registrations (p. 46).
- You can reload registration sets that you've saved to internal memory or a USB flash drive (p. 38).

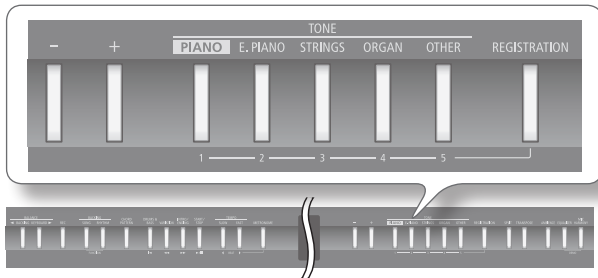
Saving Current Settings into a Registration

Use the [REGISTRATION] button to store your current settings into a registration.

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 5-1 through 5-5.

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 [REGISTRATION] button, press a button from [1] to [5] to select a registration and then press the [-] [+] buttons to select a registration variation.

When you release the [REGISTRATION] button, you will see a screen like the one shown below.



3. Rename the registration.

Button	Operation
[-] [+] buttons	Change the character.
[<] [>] (SLOW/FAST) buttons	Select the character to change.

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

4. Press the [METRONOME] button.

The performance settings are saved. The [REGISTRATION] button stops blinking and lights up solid.

NOTE

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

MEMO

You can reset all registrations to their factory defaults. For details, refer to "Restoring the Factory Settings (Factory Reset)" (p. 42).

Saving a Registration Set (Save Registration Set)

You can save all registrations held in registration memory 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 "Save Regist. Set."

3. Press the [METRONOME] button.

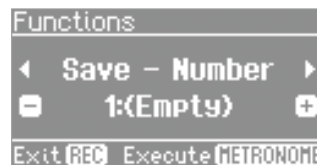
The save registration set screen appears.



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

Display	Explanation
Favorite	Internal memory
USB Memory	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 "Executing..." is displayed.

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

Loading a Saved Registration Set (Load Registration Set)

Use this feature to reload a saved registration set from internal memory or a USB flash drive to the registration memory.

* 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 "Load Regist. Set."
3. Press the [METRONOME] button.
The load registration set screen appears.



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

Display	Explanation
Favorite	Internal memory
USB Memory	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.

NOTE

Do NOT turn off the power while "Executing..." 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 "Copy Regist. Set."
 - * The following steps are not available if there are no registration sets saved in internal memory, or if no USB flash drive is connected.
4. Press the [METRONOME] button.
The Copy Regist. Set screen appears.



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

Display	Explanation
Favorite to USB	Copy from internal memory to a USB flash drive.
USB to Favorites	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 "Copy 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)."

10. Press the [METRONOME] button.

The registration set is copied.

NOTE

Do NOT turn off the power while "Executing..." 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 "Delete Regist. Set."

* 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.

The delete registration set screen appears.



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

Display	Explanation
Favorite	Internal memory
USB Memory	USB flash drive

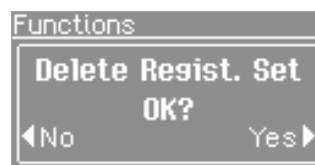
5. Press the [▶] (FAST) button.



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 "Executing..." is displayed.

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

Convenient Functions

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-80.

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.
10min.	The power will automatically turn off if no operation is performed for 10 minutes.
30min. (default)	The power will automatically turn off if no operation is performed for 30 minutes.
240min.	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.

Adjusting the Brightness of the Display (Display Contrast)

Use this setting to adjust the brightness of the screen.

MEMO

This setting is automatically saved in the FP-80.

1. Press the [SONG] and [RHYTHM] buttons simultaneously.
2. Press the [◀] [▶] (SLOW/FAST) buttons to select "Display Contrast"
3. Press the [-] [+] buttons to adjust the value.

Value	1 (dark)–10 (bright)
-------	----------------------

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

MEMO

Another way to access this adjustment is to hold down the [METRONOME] button while turning the power on.

After adjusting the brightness, turn the power off, then on again.

Retaining Settings After Power-off (Memory Backup)

Temperament settings, equalizer settings, and other settings are reset to their default values when the FP-80 is turned on. You can automatically restore the desired settings if you save them in internal memory.

MEMO

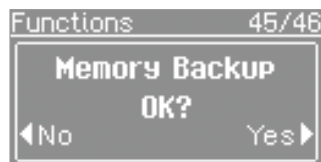
In this manual, the "M" icon indicates settings retained by the Memory Backup function.

REFERENCE

For a list of settings saved by Memory Backup, see "Items Stored by Memory Backup" (p. 57).

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

The Memory Backup screen appears.



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

4. Press the [▶] (FAST) button to select "Yes."
- Memory Backup will be carried out.

NOTE

Do NOT turn off the power while "Executing..." 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 “Copy Song.”



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
Favorite to USB	Copy from internal memory to a USB flash drive.
USB to Favorite	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 “Copy All,” the FP-80 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 “Executing...” 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 “Delete 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
Favorite	Internal memory
USB Memory	USB flash drive

5. Press the [▶] (FAST) button.



Convenient Functions

- Press the [-] [+] buttons to select the song that you want to delete.
- Press the [METRONOME] button.
A confirmation message appears.



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

- Press the [▶] (FAST) button.
The selected song is deleted.

NOTE

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

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

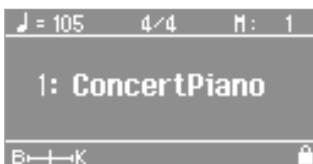
Disabling the Buttons (Panel Lock)

The Panel Lock feature disables all buttons.

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

- Hold down the [MIC HARMONY] button until the "🔒" icon appears at the lower right of the display.

The Panel Lock feature disables all buttons.



- To unlock the panel, hold down the [MIC HARMONY] button until the "🔒" icon disappears.

Panel lock is also canceled when the FP-80 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-80 is in Function mode (p. 44).
 - When the Demo song screen is displayed.
 - When recording a performance

Restoring the Factory Settings (Factory Reset)

Use this feature to return all settings stored in Memory Backup (p. 40) 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.

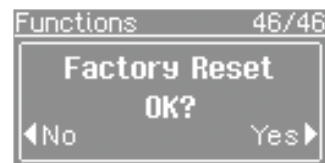
If you want to erase all songs and registration sets from internal memory or from a USB flash drive, refer to "Reformatting Memory (Format Media)" (p. 43).

- Press the [SONG] and [RHYTHM] buttons simultaneously.
- Press the [◀] [▶] (SLOW/FAST) buttons to select "Factory Reset."



- Press the [METRONOME] button.

The Factory Reset screen appears.



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

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

The memory is reset to its factory values.

Once the memory has been reset, "Power off, then on." is displayed.

NOTE

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

- 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-80 for the first time, you'll need to initialize (format) the USB flash drive before using it. The FP-80 can't use USB flash drive that has not been initialized.
- If you see "Error" on the screen, please refer to "Error Messages" (p. 56).
- 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. 42).

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



3. Press the [METRONOME] button. The Format Media screen appears.



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

Display	Explanation
Favorite	Internal memory
USB Memory	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 "Executing..." 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-80 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. 36) and the Memory Backup function (p. 40).

R: Indicates settings saved in registrations (p. 36).

M: Indicates settings retained by the Memory Backup function (p. 40).

Parameter	Value	Explanation
Key Touch	Lets you adjust how the keyboard responds to the performer's playing force. REFERENCE For details, refer to "Adjusting the Keyboard Response (Key Touch)" (p. 18).	R
Master Tuning	Matching the Pitch with Other Instruments (Master Tuning) 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	M
Temperament	Changing the Tuning System (Temperament) 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. REFERENCE For details, refer to "Temperaments" (p. 32).	M
Temperament Key	Specifying a Song's Tonic (Temperament Key) When playing with tuning other than equal temperament, you need to specify the temperament key for tuning the song to be performed (that is, the note that corresponds to "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	M
Piano Designer	Lets you personalize your piano sound by adjusting various elements that affect the sound: the piano's physical strings, the resonances produced by the pedals, the sound of hammers striking the strings, and more. REFERENCE For details, refer to "Personalizing Your Piano (Piano Designer)" (p. 31).	M
Edit Tone Wheel	Lets you build an organ sound by adjusting footage volumes, percussion, and other settings. REFERENCE For details, refer to "Creating a Tonewheel Organ Sound (Edit Tone Wheel)" (p. 33).	R
Transpose Mode	Specifying What to Transpose (Transpose Mode) 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.	R
	Keyboard	Keyboard only
	Song	Song play only
	Keyboard & Song	Both keyboard play and song play



For details about how to make function mode settings, see p. 44.

Parameter	Value	Explanation
Dual Balance	<h3>Adjusting the Dual Play Volume Balance (Dual Balance) R</h3> <p>You can adjust the volume balance between the two tones (tone 1 and tone 2) used for Dual Play (p. 14).</p> <p>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.</p>	
	9-1 (tone 1 is louder)–9-9 (same volume)–1-9 (tone 2 is louder)	
Split Balance	<h3>Adjusting the Split Play Volume Balance (Split Balance) R</h3> <p>You can adjust the volume balance between the two tones (right-hand tone and left-hand tone) used for Split Play (p. 15).</p> <p>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.</p>	
	9-1 (left-hand tone is louder)–9-9 (same volume)–1-9 (right-hand tone is louder)	
Octave Shift	<h3>Changing the Pitch of the Tone in Octave Steps (Octave Shift) R</h3> <p>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."</p> <p>For example, you can raise the pitch of the Left-hand tone to the same pitch of the Right-hand tone in Split Play.</p>	
	-2–0–+2 (octave)	
Split On Recognize (Split On Chord Recognize)	<h3>Chord Recognition When Split Is On (Split-On Chord Recognition) R</h3> <p>Sets how the FP-80 recognizes rhythm chords while Split Play is on.</p> <p>MEMO When Split Play is off, chords are recognized as follows. While the damper pedal is not pressed, the FP-80 recognizes a chord when 3 or more keys are struck. While the damper pedal is pressed, the FP-80 recognizes a chord when 1–5 keys are struck.</p>	
	Standard	Normal chord recognition.
	Intelligent	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. 61).
	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.
Chord Pattern Root	<h3>Setting the Root for Chord Progression (Chord Pattern Root) R</h3> <p>Specify the root of the first chord when you turn on the chord pattern play to start the rhythm.</p>	
	C, C #, D, E b, E, F, F #, G, A b, A, B b, B	
Equalizer	<p>Use equalizers to modify the tone color by boosting or attenuating various frequency ranges. M</p> <p>REFERENCE For details, refer to "Editing the equalizer settings" (p. 18).</p>	
Damper Pedal Part	<h3>Changing How the Pedal Effects Are Applied (Damper Pedal Part) R</h3> <p>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.</p>	
	Right & Left	All enabled
	Right	Applied only to the Tone 1 (in Dual Play mode)/Right-hand Tone (in Split Play mode)
	Left	Applied only to the Tone 2 (in Dual Play mode)/Left-hand Tone (in Split Play mode)



Parameter	Value	Explanation
Center Pedal Func (Center Pedal Function)	<h2>Changing the Function of the Center Pedal (Center Pedal Function) R</h2>	
	Use this feature to change the function of the pedal connected to the SOSTENUTO/C jack.	
	Sostenuto *1	Sets function to sostenuto pedal.
	Soft *2	Sets function to soft pedal.
	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.
	Master Expression	Controls the overall volume of the FP-80.
	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.
	Intro/Ending *4	The pedal will have the same function as the [INTRO/ENDING] button.
	Variation *4	The pedal will have the same function as the [VARIATION] button.
	Reset/Start (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.
	Chord Hold *4	Turns chord holding on and off.
	Fill-In *4	Inserts a fill-in.
	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, or while Chord Pattern is on.
	Bend Up *3	Pitch rises when pedal is depressed.
	Bend Down *3	Pitch is lowered when pedal is depressed.
	Modulation *3	Vibrato is added when pedal is depressed.
	Harmony Sw (Harmony Switch)	The pedal will turn Harmony on/off.
	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 (Center Pedal Part or Left Pedal Part).		
*4 Available when using a rhythm.		
Center Pedal Part	<h2>Changing How the Pedal Effects Are Applied (Center Pedal Part) R</h2>	
	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.	
	Right & Left	All enabled
	Right	Applied only to the Tone 1 (in Dual Play mode)/Right-hand Tone (in Split Play mode)
Left Pedal Func (Left Pedal Function)	<h2>Changing the Function of the Left Pedal (Left Pedal) R</h2>	
	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. 46).	
Left Pedal Part	<h2>Changing How the Pedal Effects Are Applied (Left Pedal Part) R</h2>	
	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.	
	Right & Left	All enabled
	Right	Applied only to the Tone 1 (in Dual Play mode)/Right-hand Tone (in Split Play mode)
Regist. Pedal Shift	<h2>Using a Pedal to Switch Registrations (Pedal Shift)</h2>	
	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. 46).
	Left Pedal	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.
	Center Pedal	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.



For details about how to make function mode settings, see p. 44.

Detailed Function Settings (Function Mode)

Parameter	Value	Explanation
Audio Transpose		The selected audio file and the sound of a digital audio player connected to the Input jack can both be transposed for playback. * 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. 25). R
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 or music from a digital audio player connected to the INPUT jack. * For some songs, sounds located in the center might not disappear completely, or the tone quality of the sound might be affected. REFERENCE For details, refer to "Lower the Level of an Audio File's Central Sound (Center Cancel)" (p. 25).
Mic Ambience		Lets you add reverberation to vocals from the microphone. Reverberation can improve the sound of your vocals. REFERENCE For details, refer to "Adding Reverberation to Your Voice (Mic Ambience)" (p. 35). R
Harmony Type		Lets you adjust the way that harmony is applied. REFERENCE For details, refer to "Changing How Harmony Is Applied (Harmony Type)" (p. 35). R
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.
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. 41).	
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. 41).	
Save Regist. Set	Save all registrations from the [REGISTRATION] button's memory into internal memory or on a USB flash drive. REFERENCE For details, refer to "Saving a Registration Set (Save Registration Set)" (p. 37).	
Load Regist. Set	Load a registration set from internal memory or a USB flash drive into the [REGISTRATION] button's memory. REFERENCE For details, refer to "Loading a Saved Registration Set (Load Registration Set)" (p. 38).	
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. 38).	
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. 39).	
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. 43).	
	Sending Tone-Change Information (Transmit MIDI Information) R	
	When you switch registrations, the FP-80 simultaneously transmits the following: Program Change, Bank Select MSB, and Bank Select LSB. You can also set the transmit channel.	
Regist. Tx Ch.	Off, 1–16	Sets the Program Change transmit channel.
Regist. Bank MSB	0 (00)–127 (7F)	Sets the Bank Select MSB/LSB.
Regist. Bank LSB	0 (00)–127 (7F)	Sets the Bank Select MSB/LSB.
Regist. PC	1 (00)–128 (7F)	Sets the Program Change number.



For details about how to make function mode settings, see p. 44.

Parameter	Value	Explanation
Local Control	<h2>Preventing Doubled Notes When Connected to a Sequencer (Local Control)</h2> <p>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.</p>	
	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 Transmit Channel	<h2>MIDI Transmit Channel Settings (MIDI Transmit Channel) R</h2> <p>This setting specifies the MIDI channel on which the FP-80 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-80 will receive all sixteen channels (1–16).</p>	
	1–16	

Visual Control Mode	<h2>Controlling Video Equipment (Visual Control Mode)</h2> <p>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-80 will control the images produced by the Visual Control device connected to the FP-80 using a MIDI cable.</p>	
	Off	Visual Control is off.
	MVC	MIDI Visual Control mode is selected.
	V-LINK	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 this unit'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 this unit to a device that supports Visual Control.

Visual control function chart

Playing the lowest 12 keys of this unit (A0–G#1) will transmit the following MIDI messages.

Visual Control Function	Transmitted MIDI Message	Operation on FP-80
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. 44.

Parameter	Value	Explanation
Visual Control Channel	Specifying the Visual Control Channel (Visual Control Channel) M	
	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 Driver	Changing the USB Driver Settings (USB Driver)	
	Normally, you don't need to install a driver in order to connect the FP-80 to your computer. However, if some problem occurs, or if the performance is poor, using the Roland original driver may solve the problem. In this case, after setting "USB Driver" to "Original" on the FP-80, install the driver on your personal computer. After changing this setting, you need to turn off the FP-80, then turn it back on again.	
	MEMO This setting is automatically saved in the FP-80.	
	For details on downloading and installing the Roland original driver, refer to the Roland website. Roland website: http://www.roland.com/	
	Generic	Choose this if you want to use the standard USB driver that was included with your computer. Normally, you should use this mode.
	Original	Choose this if you want to use a USB driver downloaded from the Roland website.
USB Memory Mode	Changing the USB Flash Drive Mode (USB Memory Mode)	
	In some cases, when a 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-80.	
Display Contrast	Adjusts the brightness of the FP-80 display.	
	REFERENCE For details, refer to "Adjusting the Brightness of the Display (Display Contrast)" (p. 40). MEMO This setting is automatically saved in the FP-80.	
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. 40). MEMO This setting is automatically saved in the FP-80.	
Wireless	You can easily use popular wireless applications, such as the iPhone app "Air Recorder," with the FP-80. 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. 50). MEMO This setting is automatically saved in the FP-80.	
Memory Backup	The FP-80 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. 40).	
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. 42).	

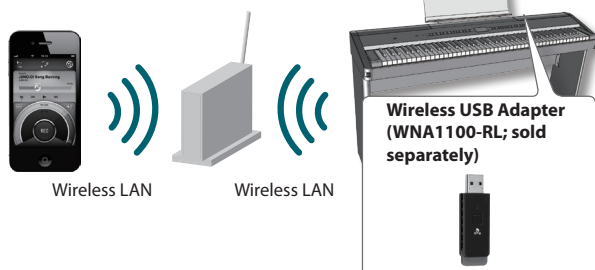


What Is Wireless LAN Function?

By connecting a wireless USB adapter (WNA1100-RL; sold separately) to the FP-80, you can use wireless-connectivity applications, such as Air Recorder for iPhone.

iPhone, etc. **Wireless LAN access point**
(e.g., wireless LAN router)

FP-80



Wireless USB Adapter
(WNA1100-RL; sold
separately)



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. 51).

*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. 52).

*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.

Icons in the display

The wireless LAN status is shown in the lower right part of the display.



Icon	Explanation
	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 wireless USB adapter is inserted, but not connected with a wireless LAN access point.
	The wireless USB adapter is not inserted (nothing is displayed).
	Ad-Hoc mode (p. 52).

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 "Connect OK?"



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-80.

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

If not successful, please refer to "Problems when connecting to a wireless LAN" (p. 55).

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 "Air Recorder."

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. 52).

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
Not Connected	The wireless USB adapter is inserted, but not connected to a wireless LAN access point.
Not Available	The wireless USB adapter is not inserted.
	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.
ID (Ad-Hoc SSID)	Ad-Hoc mode (p. 52) 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. 52).

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 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, "Completed" appears.

Passphrase screen

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, "Completed" appears on the screen.

If not successful, please refer to "Problems when connecting to a wireless LAN" (p. 55).

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
Wireless ID	<p>Specifies the final digits of the FP-80's device name and Ad-Hoc SSID (FP-80) that will be shown as the instrument in the wirelessly connected app.</p> <p>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.</p> <p>If wireless ID = 0, then "FP-80" (default).</p> <p>If wireless ID = 1, then "FP-80_1."</p> <p>:</p> <p>If wireless ID = 99, then "FP-80_99."</p>
Ad-Hoc	<p>Specifies the channel (Ch. 1–11) for Ad-Hoc mode.</p> <p>Normally, you won't need to change the channel. Try changing the channel only if you have problems connecting.</p>

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.

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-80 directly to an iPhone or other wireless device without using a wireless LAN access point. This is a convenient way to use the FP-80 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.

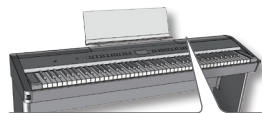
iPhone, etc.



Wireless LAN



FP-80



Wireless USB Adapter (WNA1100-RL; sold separately)



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.

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-80). 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. 40
Buttons don't work	Could Panel Lock be activated? Deactivate Panel Lock.	p. 42
Screen display is irregular when power is turned on/off	Since the FP-80 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.	-
Vertical stripes appear in the display/Color is faded at the edge of the display	These occur due to the nature of a liquid crystal display, and do not indicate a malfunction. By adjusting the screen contrast you can make these artifacts less noticeable.	p. 40
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's cord while the power is on. Switch off the FP-80'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. 46
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. 49
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-80's volume or the volume of a connected device be minimized? 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. 8 p. 10
	Is the Volume Balance setting set so that the backing is louder than the keyboard?	p. 8
	Could the [SPEAKER] switch be "OFF"? If the [SPEAKER] switch is "OFF," sound will not be heard from the built-in speakers.	p. 11
	Could the Local Control setting be "Off"? The Local Control is turned off, no sound will be heard when you play the keyboard. Set Local Control to "ON."	p. 48
	Could the Local Control setting be "Off"? The Local Control is turned off, no sound will be heard when you play back a song. Set Local Control to "ON."	p. 48
No sound from the left-hand zone of the keyboard	Could the Visual Control mode setting be "MVC" or "V-LINK"? If the mode is set to "MVC" or "V-LINK," the lowest twelve keys are used to control images, and do not produce sound.	p. 49
	When a rhythm is playing, Chord Pattern is on, and Split Play is on, the left side of the keyboard does not produce any sound because chord entry is given priority. You can play sounds on the left side of the keyboard when the rhythm part is set to "Drums."	p. 22
No sound (when a MIDI device is connected)	Are all devices powered up? Are the MIDI cables connected correctly?	p. 10
	Does the MIDI Transmit Channel match the setting of the connected device?	p. 48
No sound from the microphone	Could the MIC [VOLUME] knob be set to the minimum? Is the microphone connected correctly?	p. 34
	Could the switch on the microphone turned off?	-

Sound does not play correctly

Problem	Cause/Action	Page
Not all of 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. 19
	Is the Master Tuning setting appropriate?	p. 44
	Is the Temperament setting appropriate?	p. 32, p. 44
	Is the Stretch Tuning setting appropriate?	p. 31
Two sounds are heard when you play the keyboard	Could the FP-80 be set to Dual Play?	p. 14
	When the FP-80 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. 48
Pressing the [STRINGS], [ORGAN], or [OTHER] button causes other tones to be heard	The [STRINGS], [ORGAN], 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 [STRINGS], [ORGAN], 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-80'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-80 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. • Duplex Scale setting (p. 31) • String Resonance setting (p. 31) • 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-80 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-80 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-80? 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 a 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.	-
Can't play back a song saved on a USB flash drive	Song names that contain characters other than letters, numbers, and certain symbols will not be displayed properly.	-
	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. 10

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-80 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. 40)
- Copy song (p. 41)
- 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	<ul style="list-style-type: none"> • 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. 51). • The FP-80 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-80 cannot connect to a wireless LAN access point that it previously could connect to, make sure the "Connecting in Ad-Hoc Mode" (p. 52) 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. 51) and try selecting and connecting to the wireless LAN access point again. • The FP-80 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. 50
"Error : 46" appears on the display and the FP-80 cannot connect to the wireless LAN access point	The access point is not supported. Please use WPA or WPA2 authentication.	p. 50
Connection is unstable	<p>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.</p> <p>The following may solve the trouble.</p> <ul style="list-style-type: none"> • Move the FP-80 and the wireless LAN access point closer to each other. • Change the channel setting on the wireless LAN access point. 	p. 50
The FP-80 does not appear among the instruments connected to your application (such as Air Recorder for iPhone)	<ul style="list-style-type: none"> • Is the FP-80 turned on? • Is a wireless USB adapter (WNA1100-RL) connected to the FP-80's USB MEMORY port? • Is the FP-80 connected to the wireless LAN? • Are the FP-80 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. 50
The iPhone cannot connect to the Internet	<ul style="list-style-type: none"> • Is the wireless LAN access point connected to the Internet? • Could you be connected in Ad-Hoc mode? <p>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>	p. 50

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. 43).
Error: 15	The file could not be read. The data format is not compatible with the FP-80.
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-80's internal memory is full.
Error: 40	The FP-80 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 a 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

R 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. 19
-	Ambience on/off and depth	p. 17
-	The Volume balance between the keyboard performance and the accompaniment	p. 8
-	Rotary effect's pulse speed	p. 14
Modulation Speed	Speed of sound modulation	p. 14
Key Touch	Key touch	p. 18
Rhythm	Rhythm settings	p. 20
Edit Tone Wheel	Settings for each tone wheel organ	p. 32
Dual Balance	Dual balance	p. 45
Split Balance	Split balance	p. 45
Audio Transpose	Audio transpose	p. 25
Transpose Mode	Transpose mode	p. 44
Octave Shift	Octave shift	p. 45
Damper Pedal Part	Setting for the damper pedal part	p. 45
Center Pedal Part	Setting for the center pedal part	p. 46
Center Pedal Func	Function of the center pedal	p. 46
Left Pedal Part	Setting for the left pedal	p. 46
Left Pedal Func	Function of the left pedal	p. 46
MIDI Transmit Ch.	MIDI transmit channel	p. 48
Regist. Tx Ch.	Program change data	p. 47
Regist. PC		
Regist. Bank MSB		
Regist. Bank LSB		
Split On Chord Recognize	Split on chord recognize	p. 45
Chord Prog. Root	Chord progression root	p. 45
Mic Ambience	Mic ambience	p. 35
-	Harmony on/off setting	p. 34
Harmony Type	Harmony type	p. 35
Harmony Level	Harmony volume	p. 34

M Items Stored by Memory Backup

Setting	Explanation	Page
Piano Designer	Piano designer	p. 31
Master Tuning	Master tuning	p. 44
Temperament	Temperament	p. 44
Temperament Key	Temperament key	p. 44
Equalizer	Equalizer on/off and equalizer settings	p. 17
Visual Control Channel	Visual Control channel	p. 49

Settings Stored Immediately When Edited

Setting	Explanation	Page
USB Driver	USB driver settings	p. 49
USB Memory Mode	USB flash drive settings	p. 49
Display Contrast	Display contrast	p. 40
Auto Off	Auto off	p. 40
Wireless	Wireless LAN settings	p. 50

Tone List

PIANO

No.	Tone name
1	ConcertPiano
2	BalladePiano
3	Bright Piano
4	Dreamy Piano
5	Piano + EP
6	Piano + Str.
7	Piano + Pad
8	Piano+Choir
9	MagicalPiano
10	Comp Piano
11	Rock Piano
12	RagtimePiano
13	Harpsichord
14	Coupled Hps.

E. PIANO

No.	Tone name
1	Trem. TineEP
2	ChorusTineEP
3	PhaserTineEP
4	Tine EP
5	Vib. ReedEP
6	DrivenReedEP
7	RotaryReedEP
8	Reed EP
9	Twinkling EP
10	Bright FM EP
11	Woody FM EP
12	FM E.Piano
13	Pop E.Piano
14	E.Grand
15	Clav.
16	Wah Clav.
17	Phaser Clav.
18	Vibraphone
19	Marimba
20	Celesta
21	Mallet Isle
22	Morning Lite
23	Fantasia
24	EP Belle
25	Ballad Bells

STRINGS

No.	Tone name
1	SymphonicStr
2	Rich Strings
3	OrchestraStr
4	Velo Strings
5	DecayStrings
6	Syn.Strings1
7	Syn.Strings2
8	Soft Pad
9	Glass Pad
10	Silky Way
11	Lunar Strngs
12	Dcy ChoirPad
13	Orchestra
14	OrchestraBrs
15	Harp
16	Violin
17	Cello
18	PizzicatoStr

ORGAN

No.	Tone name
1	TW-Organ 1
2	TW-Organ 2
3	TW-Organ 3
4	TW-Organ 4
5	TW-Organ 5
6	TW-Organ 6
7	Combo Jz.Org
8	Ballad Organ
9	Gospel Spin
10	Full Stops
11	Mellow Bars
12	Light Organ
13	Lower Organ
14	Purple Spin
15	'60s Organ
16	ChurchOrgan1
17	ChurchOrgan2
18	Nason flt 8'
19	Accordion

OTHER

No.	Tone name
1	SymphonicCho
2	Aerial Choir
3	Jazz Scat
4	Female Aahs
5	Angels Choir
6	Beauty Vox
7	Male Aahs
8	Harpvox
9	Decay Choir
10	Trance Synth
11	Jump Brass
12	Africa Brass
13	SynthPhrase1
14	SynthPhrase2
15	Nylon-str.Gt
16	Steel-str.Gt
17	Clean Guitar
18	Jazz Guitar
19	Overdrive Gt
20	AcousticBass
21	A.Bass+Cymb
22	FingeredBass
23	FretlessBass
24	Slap Bass
25	Synth Bass
26	Thum Voice
27	Alto Sax
28	Tenor Sax
29	BrassSection
30	Flute
31	ChamberWinds
32-296	GM2

Internal Song List

No.	Song name	Composer
1	Midsummer	* Masashi Hirashita
2	The Nutcracker "Waltz of the Flowers" (Jazz Arrangement)	* Peter Ilyich Tchaikovsky, Arranged by Masashi Hirashita
3	The Marriage of Figaro "Overture"	Wolfgang Amadeus Mozart
4	Floral Pursuits	* Léo Delibes, Arranged by John Maul
5	Swan-derful Samba	* Peter Ilyich Tchaikovsky, Arranged by John Maul
6	My Pleasure	* Masashi Hirashita
7	Barcarolle	Fryderyk Franciszek Chopin
8	Zhavoronok	Mikhail Ivanovich Glinka, Arranged by Mily Alexeyevich Balakirev
9	Valse, op.34-1	Fryderyk Franciszek Chopin
10	Polonaise op.53	Fryderyk Franciszek Chopin
11	Nocturne No.20	Fryderyk Franciszek Chopin
12	Die Forelle	Franz Peter Schubert, Arranged by Franz Liszt
13	Reflets dans l'Eau	Claude Achille Debussy
14	La Fille aux Cheveux de Lin	Claude Achille Debussy
15	La Campanella	Franz Liszt
16	Scherzo No.2	Fryderyk Franciszek Chopin
17	Liebesträume 3	Franz Liszt
18	Étude, op.10-3	Fryderyk Franciszek Chopin
19	Je te veux	Erik Satie
20	Fantaisie-Impromptu	Fryderyk Franciszek Chopin
21	Clair de Lune	Claude Achille Debussy
22	Nocturne No.2	Fryderyk Franciszek Chopin
23	Für Elise	Ludwig van Beethoven
24	Late Night Chopin	* Fryderyk Franciszek Chopin, Arranged by John Maul
25	Fly Free	* John Maul
26	L'éveil de l'amour	* Masashi Hirashita
27	Wedding Song	* John Maul
28	Yesterday's Dream	* John Maul
29	Windy Afternoon	* Masashi Hirashita
30	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 and USB COMPUTER port.

* 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
1	GoldMediumBeat
2	Frank's Way
3	Easy Ballad
4	Sky Beat
5	Home Beat
6	AcousticBallad
7	Gold Slow Beat
8	Blue Pop
9	Jessie Beat
10	Gold Beat
11	US Shuffle
12	Strummin'Pop
13	Amazing Gospel
14	6_8 Ballad
15	Love Sl Rock
16	Unplugged Pop
17	Unplugged Bld
18	Cool Live Band
19	Acoustic Pop
20	Spring Rock
21	Joe's Rock
22	Breaky Rock
23	Electro Rock

Disco Dance

No.	Rhythm name
24	Seventies
25	Edge Disco
26	Volare Gipsy
27	Jamiro Dance
28	Gold Disco
29	Survive Disco
30	Dancin'
31	Hitmix
32	Club House
33	Hard Techno
34	Baby Beat
35	Breath Rap
36	Now Hip Hop

Jazz Blues

No.	Rhythm name
37	OrganJazzFast
38	BlueEyesBand
39	OrganSwingMed
40	Gold Swing
41	MidngtSlSwing
42	Big Band Slow
43	Big Band Med
44	Swing Medium
45	JzGuitarSwing
46	Slow Jz Waltz
47	Cool Soul
48	Soul
49	Cool Blues
50	Go! Rock'N
51	Blue Boogie
52	Rock'N Slow

Ball Room

No.	Rhythm name
53	It Valzer
54	Gold Wien Waltz
55	Gold Slow Waltz
56	Moon Waltz
57	Polca Disco
58	Gold Tango
59	Gold Foxtrot
60	Quick Step
61	Gold Rhumba
62	Beguine
63	Gold Cha Cha
64	Go! Twist
65	Gold Samba
66	Gold Bossa

Latin World1

No.	Rhythm name
67	That's Mambo
68	OrchstChaCha
69	Go!Salsa
70	Cuba Salsa
71	Acoustic Samba
72	Jazz Bossa
73	Fast Bossa
74	Pop Reggae Br
75	Samba

Tradit World2

No.	Rhythm name
76	Country Rock
77	Love Reggae
78	Country Flyer
79	Gospel Shuffle
80	Ska
81	Southern Twang
82	StmtrnCountr
83	Posaunenpolka
84	Posaunenwalzer
85	Country Ballad
86	Country Beat
87	Country Pop
88	6_8 March
89	US March
90	OrchstralWaltz

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 ^b	E	F
CM7	C#M7	DM7	E ^b M7	EM7	FM7
C7	C#7	D7	E ^b 7	E7	F7
Cm	C#m	Dm	E ^b m	Em	Fm
Cm7	C#m7	Dm7	E ^b m7	Em7	Fm7
CmM7	C#mM7	DmM7	E ^b mM7	EmM7	FmM7
Cdim	C#dim	Ddim	E ^b dim	Edim	Fdim
Cm7 (b5)	C#m7 (b5)	Dm7 (b5)	E ^b m7 (b5)	Em7 (b5)	Fm7 (b5)
Caug	C#aug	Daug	E ^b aug	Eaug	Faug
Csus4	C#sus4	Dsus4	E ^b sus4	Esus4	Fsus4
C7sus4	C#7sus4	D7sus4	E ^b 7sus4	E7sus4	F7sus4
C7/13	C#7/13	D7/13	E ^b 7/13	E7/13	F7/13

Chord Fingering List

F#	G	A \flat	A	B \flat	B
					
F#M7	GM7	A \flat M7	AM7	B \flat M7	BM7
					
F#7	G7	A \flat 7	A7	B \flat 7	B7
					
F#m	Gm	A \flat m	Am	B \flat m	Bm
					
F#m7	Gm7	A \flat m7	Am7	B \flat m7	Bm7
					
F#mM7	GmM7	A \flat mM7	AmM7	B \flat mM7	BmM7
					
F#dim	Gdim	A \flat dim	Adim	B \flat dim	Bdim
					
F#m7 (b5)	Gm7 (b5)	A \flat m7 (b5)	Am7 (b5)	B \flat m7 (b5)	Bm7 (b5)
					
F#aug	Gaug	A \flat aug	Aaug	B \flat aug	Baug
					
F#sus4	Gsus4	A \flat sus4	Asus4	B \flat sus4	Bsus4
					
F#7sus4	G7sus4	A \flat 7sus4	A7sus4	B \flat 7sus4	B7sus4
					
F#7/13	G7/13	A \flat 7/13	A7/13	B \flat 7/13	B7/13
					

Chord Pattern List

It is the Chord Pattern List by each measure. These are basic chord progression pattern from No. 1 to No. 10, and these are suitable chord progression for the internal rhythm from No. 11 to No. 90.

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

No.	Accompaniment pattern	Chord progression															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Original/Variation	C	Am	Dm7	G7	C	Am	Dm7	G7								
2	Original/Variation	Am	G	F	E7	Am	G	F	E7								
3	Original/Variation	CM7	Am7	Dm7	G7	CM7	Am7	Dm7	G7								
4	Original/Variation	Dm7	G7	CM7	Am7	Dm7	G7	CM7	A7								
5	Original/Variation	C	Bm7	Em7	Am	F	G	Csus4	C								
6	Original/Variation	Dm7	G7	CM7	FM7	Bm7b5	E7	Am7	A7								
7	Original/Variation	C7	F7	C7	→	F7	→	C7	→	G7	F7	C7	G7				
8	Original/Variation	CM7	→	Cdim	→	Dm9	G7	CM7	Dm9	CM7	→	Cdim	→	Dm9	G7	CM7	→
9	Original/Variation	C	→	Am7	→	Dm7	→	G7sus4	→								
10	Original/Variation	C	C/B	Am	Am/G	F	G	C	→								
11	Original	C	C7sus4	F	Bb7sus4	C	C7sus4	F	Fm6								
	Variation	Am	E7	C7	F	Fm6	Em7	F	G								
12	Original	Dm	G7	C	A7	Dm	G7	Am	D7								
	Variation	F	G	C	C7sus4	F	G	Am	A7								
13	Original	Am	→	G	Am	→	→	F	D								
	Variation	D	→	C	D	→	→	F	G								
14	Original	C	→	Eb7	F7	C	→	Eb7	Bb								
	Variation	C7sus4	C7	Bb7sus4	Bb7	C7sus4	C7	Ab7sus4	Bb7sus4								
15	Original	Am	→	D	→	Am	→	G	→								
	Variation	C	→	Bb	→	C	→	Eb	G								
16	Original	F	→	Bb	→	F	→	Bb	→								
	Variation	Dm	C	Dm	C	Bb	→	Gm	C								
17	Original	C	Gm7	FM7	Bb7	C	Gm7	F	F/G								
	Variation	FM9	F/G	C	Am7	FM9	F/G	Bb7	F/G								
18	Original	C	Bb	C	Gm7	C	Bb	C	Gm7								
	Variation	C	G7	C	G7	C	G7	C	Bb								
19	Original	C	Am7	Dm7	G7	C	Am7	Dm7	G7								
	Variation	FM7	→	CM7	Am7	FM7	Fm7	F/G	→								
20	Original	Am7	D7	Am7	D7	Am7	D7	Am7	F/G								
	Variation	C	→	Am7	→	C	→	F/G	→								
21	Original	CM9	AbM7	CM9	AbM7	CM9	AbM7	FM9	F/G								
	Variation	AbM9	→	Bb9	→	AbM9	→	Bb9	→								
22	Original	CM9	→	Am9	→	CM9	→	Am9	→	FM9	→	G6	→				
	Variation	FM9	G6	FM9	G6	FM9	G6	FM9	G6	CM9	→	F/G	→				
23	Original	C	→	FM7	→	C	→	F/G	→								
	Variation	Dm7	G7	C	Am7	Dm7	G7	C	→								
24	Original	C	→	G	→	G7	→	C	C7	F	→	C	Am7	Dm7	G	C	C7
	Variation	FM7	→	G	→	FM7	→	G	→	FM7	→	G	G7	C	→	→	F/G
25	Original	Am7	D7	Am7	D7	Gm7	C7	Gm7	E7#9								
	Variation	Am7	D7sus4	Am7	D7	FM7	E7#9	Am7	BbM7								
26	Original	CM7	→	Am7	→	Dm7	→	G7	→								
	Variation	C	→	F	→	Dm	→	G	→	C	→	F	→	G	→	C	→
27	Original	C	Am	C	Am	C	Am	F	G								
	Variation	C	G	F	G	C	G	F	G7								
28	Original	C	→	→	→	F7sus4	F7	G7sus4	G7								
	Variation	FM7	G7	C	→	FM7	G7	C	→								
29	Original	C	→	G	→	C	→	G	→								
	Variation	F	Am	G7	Dm7	F	Am7	G7	→								
30	Original	C	→	Fm7	→	C	C#dim	Dm7	G7								
	Variation	F	F#dim	C/G	A7	D7	→	G7	→								
31	Original	C	→	→	→	→	→	→	→	F	C	F	C	F	C	G7	→
	Variation	C	→	→	→	→	→	→	→	G	→	F7	→	G7	→	F7	G7
32	Original	C	→	→	→	F	→	G	→								
	Variation	F	→	C	→	F	→	G	→								
33	Original	A7	D7	A7	→	D7	→	A7	→	E7	D7	A7	E7				
	Variation	C	F	C	C7	F7	→	C	A7	D7	G7	C	G7				

Operation Guide

Getting Ready

Performing

Recording

Designing Sounds

Microphone

Registrations

Settings

Appendix

Chord Pattern List

No.	Accompaniment pattern	Chord progression															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
34	Original	F	C7	Am7	C7	F7	Bb7	F/C	C7								
	Variation	A7	→	D7	→	G7	→	C7	→								
35	Original	C6	→	Dm7	G7	Dm7	G7	C6	→	Am	Am9	Dm7	→	G(11)	→	C6	F/G
	Variation	C6	→	Dm7	G7	Dm7	G7	C6	→	Am	A ^b aug	Dm7	→	G(11)	→	C6	C6
36	Original	C	→	→	C7	F	→	C	→	G7	F7	C	G7				
	Variation	C	F	C	C7	F7	→	C	A7	D7	G7	C	G7				
37	Original	C	→	F	→	C	→	F	→								
	Variation	Em7	A7 ^b 9	Dm7	G7	Em7	C [#] dim	Dm7	G7								
38	Original	CM9	→	F/G	→	CM9	C9	FM9	F/G								
	Variation	FM9	F/G	CM9	Am9	Dm7 ^b 5	G7 ^b 9	CM7	F/G								
39	Original	C	→	Gm7	→	C	→	Gm7	→								
	Variation	F	G7	C	C7	F	G7	Am	F/G								
40	Original	CM7	C [#] dim	Dm7	G7	CM7	C [#] dim	Dm7	G7								
	Variation	FM7	G7	CM7	→	FM7	G7	C	C7								
41	Original	Cm7	Fm7	Cm7	Fm7	Cm7	Fm7	Cm7	Fm7								
	Variation	Ddim	G7 ^b 9	Ddim	G7 ^b 9	Ddim	G7 ^b 9	Ddim	G7 ^b 9								
42	Original	Gm	→	Am7 ^b 5	D7	Gm	→	Am7 ^b 5	D7								
	Variation	E ^b 6	D7	Gm7	C7	E ^b M7	D7	Gm	Gm								
43	Original	C	Dm	Dm7/G	C	F	Em7	E ^b	D								
	Variation	C	Bm7	Em9	A7	Am	D7	Dm9	G7sus4								
44	Original	C	Am	F	G	C	Am	F	G								
	Variation	F	→	Em	→	Dm	→	C	→	Em	→	Am	→	F	→	F/G	G7
45	Original	C	G7	→	C	→	G7	→	C								
	Variation	F	C	G7	C7	F	C	G7	C								
46	Original	Am	E7	Am	E7	Am	E7	Dm7	E7								
	Variation	Am	E7	Am	E7	Dm7	G7	Bm7	E7								
47	Original	DM7	→	CM7	→	F [#] m9	F9	Em9	E ^b 9								
	Variation	DM7	C [#] m7 ^b 5	Bm7	Am7	GM7	Fm7 ^b 5	Em9	A7								
48	Original	C	→	D6	→	Dm7	G7	C	→								
	Variation	F	Fm	C	→	F	Fm	G7sus4	G7								
49	Original	C	→	→	→	→	→	G	→	G7	→	G	→	G7	→	C	→
	Variation	C	→	G7	→	→	→	C	→	→	→	G7	→	Dm7	G7	C	→
50	Original	C	→	CM7	→	C7	→	F	→	→	→	CM7	C [#] dim	Dm7	Fm	C	→
	Variation	Dm	E ^b dim (D [#] dim)	Em7	A7	Dm7	G7	C	→								
51	Original	C	G7	A ^b	F	C	G7	A ^b	F								
	Variation	C	G7	E ^b	D7	C	G7	E ^b	G7								
52	Original	C	→	Am	→	C	→	Am	→								
	Variation	FM7	C	FM7	C	E ^b	C	G7	→								
53	Original	Cm	CmM7	Cm7	F7	Cm	A ^b 7	G7	→								
	Variation	Cm	CmM7	Cm7	F7	A ^b 7	G7	Cm	F7								
54	Original	D	C/D	G/D	B ^b /D	D	C/D	G/D	B ^b /D								
	Variation	F [#] m7	Bm	D	C [#] 7	F [#] m7	Bm	G	A7								
55	Original	C	Cmaj7	C6	Cmaj7	C	→	Dm	DmM7	Dm	DmM7	Dm7	DmM7	Dm	G	C	→
	Variation	Dm	G	C	→	Dm	G	Am	→	Dm	G	Am	→	Dm	G	C	→
56	Original	Fm7	B ^b 7	Fm7	B ^b 7	Fm7	B ^b 7	C [#] 7 (D ^b 7)	C7	Fm7	B ^b 7	Fm7	B ^b 7	Fm7	B ^b 7	C7	Fm
	Variation	B ^b m7	E ^b 7	A ^b	C [#] (D ^b)	F [#]	B	Gm7 ^b 5	C7								
57	Original/Variation	F	C	Dm	B ^b	F	C	Dm	B ^b	F	C	Dm	B ^b	F	C	Dm	B ^b
58	Original/Variation	D	A	A7	D	G	D	A	D								
59	Original/Variation	D	→	Bm	→	G	A	Bm	→								
60	Original/Variation	Am	E	G	D	F	C	Dm	E	F	C	E7	Am	F	C	Dm	E7
61	Original/Variation	Am	C	D	F	Am	C	E	→	Am	C	D	F	Am	E	Am	→
62	Original/Variation	F7	→	→	→	B ^b 7	→	F7	→	C7	B ^b 7	F7	C7				
63	Original/Variation	G7	C7	G7	→	C7	→	G7	E7	A7	D7	G7	Daug				
64	Original/Variation	C	F	C	F	G	C	D7	G7								
65	Original/Variation	Am	G	F	C/E	Dm	C	B	E7								
66	Original/Variation	F	Gm7	C7	Fmaj7												
67	Original/Variation	F7	B ^b 7	F7	→	B ^b 7	→	F7	→	C7	B ^b 7	F7	C7				

No.	Accompaniment pattern	Chord progression															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
68	Original/Variation	Fm7	Bb7	Ebmaj7	Abmaj7	Dm7	G7	Cm	C7								
69	Original/Variation	Cmaj7	→	D7	→	Dm7	G7	Cmaj7	G7								
70	Original/Variation	Fmaj7	Bbmaj7	Am7	D7	Gm7	Am7	Bbm7	Eb7								
71	Original/Variation	Cm	→	→	Fm	→	Cm	Gm	Cm								
72	Original/Variation	Fmaj7	→	G7	→	Gm7	C7	Fmaj7	C7								
73	Original/Variation	D	A	A7	D7	G	D	E7	A7								
74	Original/Variation	Cm7	Gm7														
75	Original/Variation	A	D	E7	A												
76	Original/Variation	G	Gmaj7	G7	C	Cm	G	A7	D7								
77	Original/Variation	F7	→	→	→	Bb7	→	F7	→	C7	Bb7	F7	C7				
78	Original/Variation	F	Bb	Am	Dm	Bb	Am	Gm	C7	F	Bb	Am	Dm	Gm	C7	F	C7
79	Original/Variation	D	Dmaj7	D7	G	Gm	D	E7	A7								
80	Original/Variation	Am	Dm7	Gm7	C7	A7/G	D7/F#	G7/F	C7/E	Am7b5/Eb	Dm7	Gm7b5/Db	C7	Am7	D7	Gm7	C7
81	Original	Cm7	F7	Bbmaj7	Ebmaj7	Am7b5	D7	Gm	→								
	Variation	Am7b5	D7	Gm	→	Cm7	F7	Bbmaj7	Ebmaj7	Am7b5	D7	Gm	→	Am7b5	D7	Gm	→
82	Original/Variation	F7	Bb7	F7	→	Bb7	Bdim	F7	D7	Gm7	C7	F7	C7				
83	Original	Fmaj7	→	G7	G7	Gm7	Gb7	F	Gb7	Fmaj7	→	G7	→	Gm7	Gb7	F	→
	Variation	Gbmaj7	→	B7	→	F#m7	→	D7	→	Gm7	→	Eb7	→	Am7	D7	Gm7	C7
84	Original	C	→	Bm7	E7	A7	→	Dm7	Dm6	Bm7b5	E7	Am	→	D7	→	Dm7	G7
	Variation	C	→	Bm7	E7	A7	→	Dm7	Dm6	F	Fm7	Cmaj7	A7	Dm7b5	G7	C	G7
85	Original/Variation	C	G	Am	Em	F	C	F	G								
86	Original/Variation	C	G/B	Am	Em/G	F	C/E	Dm	G								
87	Original/Variation	Fmaj7	G7	Em7	Am												
88	Original	Dm7	G7	Cmaj7	Fmaj7	Bm7b5	E7	Am7	Eb7	Dm7	G7	Em7	Am7	Dm7	G7	Em7	A7
	Variation	Dm7	G7	Em7	Am7	Dm7	G7	Cmaj7	Fmaj7	F#m7b5	B7	Em7	A7	Dm7	A7	Dm7	G7
89	Original/Variation	Cm7	→	Fm7	→	Dm7b5	G7	Cm7	→	Ebm7	Ab7	Db	→	Dm7b5	G7	Cm7	G7
90	Original	Bbm7b5	Eb7	Abm	→	Bbm7b5	Eb7	Abm	→								
	Variation	Eb7	→	Abm	→	Eb7	→	Abm	→								

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	LatinSession
3-5	Dance Sess 2
4-1	JazzOrg Ses
4-2	JazzPno Ses
4-3	RockPno Ses
4-4	BossaEP Ses
4-5	'70sEP Ses
5-1	FP REGIST.
5-2	FP REGIST.
5-3	FP REGIST.
5-4	FP REGIST.
5-5	FP REGIST.

MEMO

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

Main Specifications

Roland FP-80: Digital Piano

Keyboard	
Keyboard	88 keys (Ivory Feel-S Keyboard with Escapement)
Touch Sensitivity	Key Touch: 100 levels, Fixed Touch Hammer Response: Off, 1–10
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 Organ: 19 tones Other: 296 tones (including 8 drum sets, 1 SFX set)
Temperaments	8 types, selectable temperament key
Stretched Tuning (Only for piano tones)	Preset User tuning (adjustable in individual notes: -50.0–+50.0 cent) 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 (Piano Designer): Soundboard Behavior (Off, 1–10) Cabinet Resonance (Off, 1–10) Hammer Noise (-2–+2) Damper Noise (Off, 1–10) Duplex Scale (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) Only for MIC INPUT: Harmony (Off, 2 types) Ambience (Off, 1–10)
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
Chord Progression	Input with keyboard or automatic
Controls	Start/Stop, Sync Start, Intro/Ending, Fill In, Variation, Chord Hold, Leading Bass, Rhythm Part, Chord Pattern (90 types, 2 variations)
Audio	
Playable format	Audio files (WAV format, 44.1 kHz, 16-bit linear)
Recording (when using sold separately USB Flash Memory)	Keyboard SMF data Audio from MIC INPUT and INPUT jacks
Recording format (when using sold separately USB Flash Memory)	Audio files (WAV format, 44.1 kHz, 16-bit linear)
Transpose	Playback Transpose (with audio from INPUT jack): -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 (with audio from INPUT jack)
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	25 Registrations (capable of pedal shift)
Rated Power Output	7 W x 2 6 W x 2
Volume Level (SPL)	101 dB * This figure was measured according to the method that is based on Roland's technical standard.
Speakers	(8 x 12 cm) x 2 (with speaker box) (5 x 12 cm) x 2
Display	Graphic LCD 128 x 64 dots
Controls	Volume (slider), MIC VOLUME, [SPEAKER] switch
Other Functions	Panel Lock V-LINK MIDI Visual Control Tone Demo Edit Tone Wheel 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 MIC INPUT jack: 1/4-inch phone type USB COMPUTER port: USB Type B USB MEMORY port: USB Type A MIDI (IN, OUT) connectors PHONES jack: Stereo 1/4-inch phone type
Power Supply	AC adaptor
Power Consumption	10 W (7–33 W) 10 W: Average power consumption while piano is played with volume at center position 7 W: Power consumption immediately after power-up; nothing being played 33 W: Rated power consumption
Dimensions	1,396 (W) x 371 (D) x 134 (H) mm 55 (W) x 14-5/8 (D) x 5-5/16 (H) inches 1,396 (W) x 458 (D) x 935 (H) mm 55 (W) x 18-1/16 (D) x 36-13/16 (H) inches (FP-80 with dedicated stand KSC-76 and music rest)
Weight	23.8 kg 52 lbs 8 oz 36.3 kg 80 lbs 1 oz (FP-80 with dedicated stand KSC-76 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-76 Keyboard Stand: KS-18Z, KS-G8, KS-12 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.

Index

Symbols

[⏻] switch.....	13
[+] buttons.....	6
[◀▶] button.....	9, 24
[▶/■] button.....	9, 24
[◀] button.....	9, 24
[◀] [▶] (SLOW/FAST) buttons.....	9, 16
[Play/Stop] button.....	9, 24

A

AC adaptor.....	10
Ad-Hoc Mode.....	52
All Song Play.....	24
Ambience.....	7, 17
[AMBIENCE] button.....	7, 17
Audio Recording.....	26
Audio Transpose.....	25
Auto Off.....	40

B

[◀BACKING] button.....	8
BALANCE.....	8
BEAT.....	16

C

Center Cancel.....	25
Center Pedal.....	46
Center Pedal Func.....	46
Center Pedal Part.....	46
Chord	
Fingering.....	61
Chord Hold.....	22
Chord Pattern.....	9, 23
[CHORD PATTERN] button.....	9, 23
Chord Pattern Root.....	45
Chord Progression.....	23
Chord Prog. Root.....	45
Computer.....	30
Connect.....	10
Contrast.....	40
Copy	
Registration set.....	38
Songs.....	41
Copy Regist. Set.....	38
Copy Regist. Set screen.....	38
Copy Song.....	41
Copy Song screen.....	41

D

Damper Pedal.....	11
Damper Pedal Part.....	45
DAMPER/R jack.....	11
DC IN jack.....	10
Delete	
Registration set.....	39
Songs.....	41
Delete Regist. Set.....	39
Delete Song.....	41
DEMO.....	13
Demo song.....	13
Display.....	6
Contrast.....	40
Display Contrast.....	40
[DRUMS & BASS] button.....	9, 22
Dual Balance.....	45
Dual Play.....	6, 14
Duplex Scale.....	32

E

Edit Tone Wheel.....	33
Ending.....	21
[E. PIANO] button.....	14
Equalizer.....	7, 17
[EQUALIZER] button.....	7, 17

F

Factory Reset.....	42
Factory Reset screen.....	42
Factory Settings.....	42
Fill-In.....	21
Footage.....	32
Format Media.....	43
Format Media screen.....	43
FUNCTION.....	44
Function Mode.....	44

H

Harmony.....	34
Volume.....	34
Harmony Type.....	35
Headphone Jack.....	10

I

INPUT jack.....	11
Intro.....	20
[INTRO/ENDING] button.....	9, 20

K

[KEYBOARD] button.....	8
Key Touch.....	18

L

Left Pedal Func.....	46
Left Pedal Part.....	46
Load	
Registration set.....	38
Load Regist. Set.....	38
Local Control.....	48

M

MAC address.....	52
Master Tuning.....	44
Memory Backup.....	7, 40
Memory Backup screen.....	40
Metronome.....	9, 16
Volume.....	16
[METRONOME] button.....	9, 16
Mic Ambience.....	35
Mic Harmony.....	7, 34
[MIC HARMONY] button.....	7, 34
MIC jack.....	11, 34
Microphone.....	11, 34
Volume.....	34
MIC [VOLUME] knob.....	11, 34
MIDI Transmit Channel.....	48
MIDI Visual Control.....	48
Music rest.....	10

N

Name	
Registration.....	37
Registration Set.....	37
Song.....	28

O

Octave Shift.....	45
Options screen.....	52
[ORGAN] button.....	14, 32
[OTHER] button.....	14
OUTPUT jacks.....	11

P

Panel Lock.....	7, 42
Part.....	22
Pedal.....	11
PEDAL jacks.....	11
Pedal Shift.....	46
Percussion.....	33
[PIANO] button.....	14
Piano Designer.....	8, 31

R

[REC] button.....	9, 26, 29
Recording.....	9, 26
Audio.....	27
SMF.....	26
Recording Mode.....	47
Reformatting Memory.....	43
Regist. Bank LSB.....	47
Regist. Bank MSB.....	47
Regist. PC.....	47
Regist. Pedal Shift.....	46
Registration.....	36
Call Up.....	36
Name.....	37
Save.....	37
[REGISTRATION] button.....	6, 36
Registrations.....	6
Registration set.....	36
Copy.....	38
Delete.....	39
Load.....	38
Name.....	37
Save.....	37
Regist. Tx Ch.....	47
Rhythm.....	20
Play.....	9, 20
Select.....	8, 20
[RHYTHM] button.....	8, 20

S

Save	
Registrations.....	37
Registration set.....	37
Settings.....	40
Save Regist. Set.....	37
Save Song screen.....	26, 28
SMF Recording.....	26
Converting.....	29
SOFT/L jack.....	11
Soft pedal.....	11
Song.....	23, 24
Copy.....	41
Delete.....	41
Name.....	28
Play All.....	9, 24
Playback.....	9, 23
Select.....	8, 23
Tempo.....	24
Transpose.....	19
[SONG] button.....	8, 23
SOSTENUTO/C jack.....	11
Sostenuto pedal.....	11
[SPEAKER] switch.....	11
Split Balance.....	45
[SPLIT] button.....	7, 15
Split On Recognize.....	45
Split Play.....	7, 15
Split Point.....	15
Stand.....	12
[START/STOP] button.....	9, 20
[STRINGS] button.....	14
Sync Start.....	22

T

Temperament.....	32, 44
Temperament Key.....	44
Tempo.....	9, 16
Songs.....	24
TEMPO.....	16
Time Signature.....	9, 16
Tone.....	6, 14
Designing.....	31
Select.....	14
TONE buttons.....	6, 14
Tone Color.....	7
Tone Quality.....	17
Tonewheel organ.....	32
Transmit MIDI Information.....	47
Transpose.....	7, 19
Audio file.....	25
[TRANPOSE] button.....	7, 19
Transpose Mode.....	44
TW Edit screen.....	33

U

USB COMPUTER Port.....	10
USB Driver.....	49
USB flash drive.....	10
USB Memory Mode.....	49
USB MEMORY port.....	10

V

Variation.....	21
[VARIATION] button.....	9, 21
Visual Control Channel.....	49
Visual Control Mode.....	48
V-LINK.....	48
Volume.....	8
Balance.....	8
Harmony.....	34
Metronome.....	16
Microphone.....	34

W

Wireless Communication.....	50
Wireless LAN.....	50
WPS.....	50

USING THE UNIT SAFELY

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. 40).



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!



USING THE UNIT SAFELY

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-76, 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. 10).



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.



Handle the ground terminal carefully

If you remove the screw from the ground terminal, be sure to replace it; don't leave it lying around where it could accidentally be swallowed by small children. When refastening the screw, make that it is firmly fastened, so it won't come loose.



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 losing 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 internal 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.

IMPORTANT NOTES

Ground Terminal

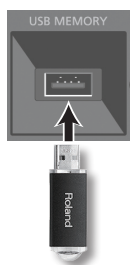
- Depending on the circumstances of a particular setup, you may experience a disconcerting sensation, or perceive that the surface feels gritty to the touch when you touch this device, microphones connected to it, or the metal portions of other objects. This is due to an infinitesimal electrical charge, which is absolutely harmless. However, if you are concerned about this, connect the ground terminal (see figure) with an external ground. When the unit is grounded, a slight hum may occur, depending on the particulars of your installation. If you are unsure of the connection method, contact the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Unsuitable places for connection

- Water pipes (may result in shock or electrocution)
- Gas pipes (may result in fire or explosion)
- Telephone-line ground or lightning rod (may be dangerous in the event of lightning)

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.

Copyrights/Licence/Trademark

- It is forbidden by law to make an audio recording, video recording, copy or revision of a third party's copyrighted work (musical work, video work, broadcast, live performance, or other work), whether in whole or in part, and distribute, sell, lease, perform, or broadcast it without the permission of the copyright owner.
- Do not use this product for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this product.
- The copyright of content in this product (the sound waveform data, style data, accompaniment patterns, phrase data, audio loops and image data) is reserved by Roland Corporation.
- Purchasers of this product are permitted to utilize said content for the creating, performing, recording and distributing original musical works.
- Purchasers of this product are NOT permitted to extract said content in original or modified form, for the purpose of distributing recorded medium of said content or making them available on a computer network.
- MMP (Moore Microprocessor Portfolio) refers to a patent portfolio concerned with microprocessor architecture, which was developed by Technology Properties Limited (TPL). Roland has licensed this technology from the TPL Group.
- XGlite (X_{GLITE}) is a registered trademark or a trademark of Yamaha Corporation.
- Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation.
- Roland, GS, SuperNATURAL, and Air Recorder are either registered trademarks or trademarks of Roland Corporation in the United States and/or other countries.
- Company names and product names appearing in this document are registered trademarks or trademarks of their respective owners.
- Microsoft, Windows, Windows Vista, and DirectX are either registered trademarks or trademarks of Microsoft Corporation.
- iPhone and iTunes are either registered trademarks or trademarks of Apple Inc.

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 dem 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 está 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 vyhazovať 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 paženklinū produktai neturi būti išmetami kartu su buitiniemis atliekomis.
- LV** Šis simbols norāda, ka ES valstīs šo produktu jāievāc atsevišķi no mājstaimniecības atkritumiem, kā noteikts katrā reģionā. Produktus ar šo simbolu nedrīkst izmest kopā ar mājstaimniecības atkritumiem.
- SI** Ta simbol označuje, da je treba proizvod v državi EU zbirati ločeno od gospodinskih odpadkov, tako kot je določeno v vsaki regiji. Proizvoda s tem znakom ni dovoljeno odlagati skupaj z gospodinskimi 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的期限内，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



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.

For the USA

DECLARATION OF CONFORMITY Compliance Information Statement

Model Name : FP-80
Type of Equipment : Digital Piano
Responsible Party : Roland Corporation U.S.
Address : 5100 S. Eastern Avenue Los Angeles, CA 90040-2938
Telephone : (323) 890-3700

Roland



* 5 1 0 0 0 3 1 9 5 9 - 0 3 *