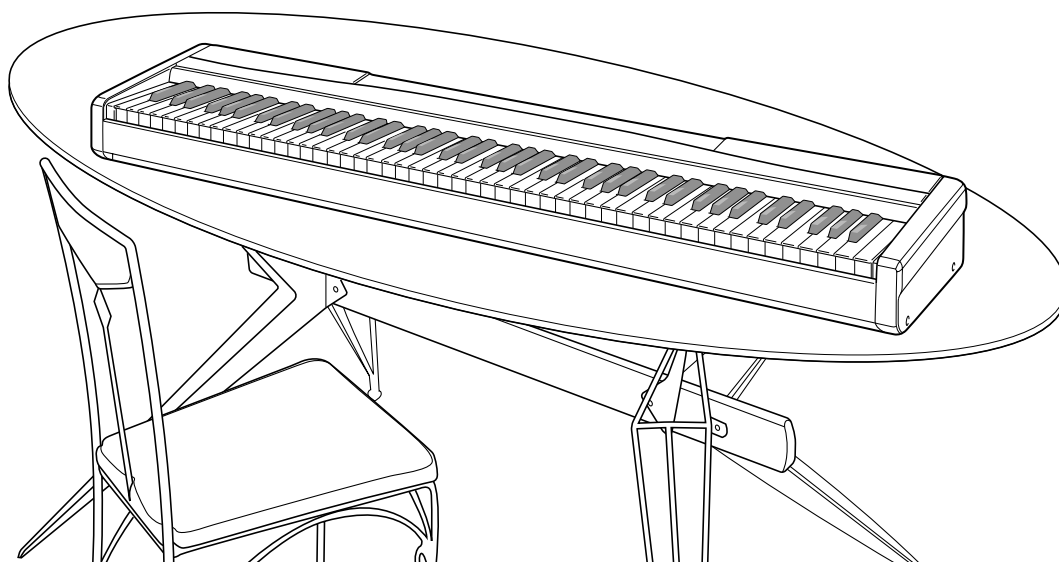# Privia

PX-100

USER'S GUIDE
GUÍA DEL USUARIO

Please keep all information for future reference.
Guarde toda información para tener como referencia futura.

Safety Precautions
Before trying to use the piano, be sure to read the separate "Safety Precautions".

Precauciones de seguridad
Antes de intentar usar el piano, asegúrese de leer las "Precauciones de seguridad" separadas.

PX100-ES-1

CASIO®

NOTICE

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.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Important!

Please note the following important information before using this product.

- Before using the optional AD-12 Adaptor to power the unit, be sure to check the AC Adaptor for any damage first. Carefully check the power cord for breakage, cuts, exposed wire and other serious damage. Never let children use an AC adaptor that is seriously damaged.
- The product is not intended for children under 3 years.
- Use only CASIO AD-12 adaptor.
- The AC adaptor is not a toy.
- Be sure to disconnect the AC adaptor before cleaning the product.

CASIO ELECTRONICS CO., LTD.
Unit 6, 1000
North Circular Road
London NW2 7JD, U.K.

This mark is valid in the EU countries only.
Please keep all information for future reference.

412A-E-002A

Contents

General Guide

Back Panel

① ②

Attachment of the Score Stand

Insert the score stand into the slot at the top of the digital piano as shown in the illustration.

Left Side Panel
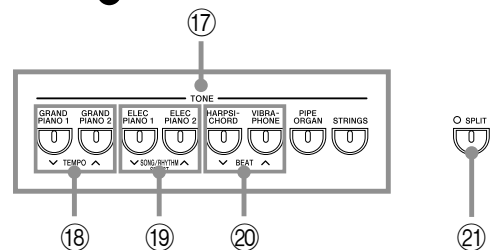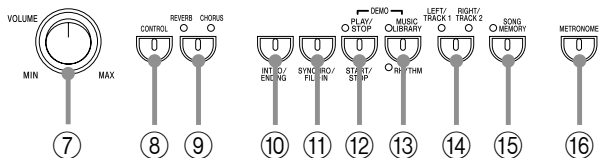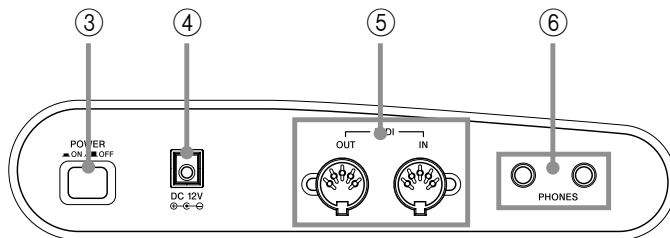
③ ④ ⑤ ⑥

⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑

①   PEDAL DAMPER jack

②   PEDAL SOFT/SOSTENUTO jack

③   POWER button

④   DC 12V jack

⑤   MIDI OUT/IN terminals

⑥   PHONES jacks

⑦   VOLUME knob

⑧   CONTROL button

⑨   REVERB CHORUS button

⑩   INTRO/ENDING button

⑪   SYNCHRO/FILL-IN button

⑫   PLAY/STOP, START/STOP button

⑬   MUSIC LIBRARY, RHYTHM button
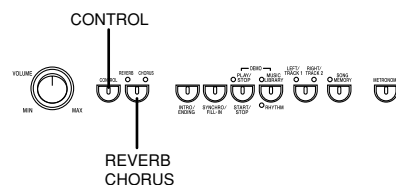
⑭   LEFT/TRACK 1 RIGHT/TRACK 2 button

⑮   SONG MEMORY button

⑯   METRONOME button

⑰   TONE buttons

⑱   TEMPO buttons

⑲   SONG/RHYTHM SELECT buttons

⑳   BEAT buttons

㉑   SPLIT button

NOTE
* Key, button, and other names are indicated in the text of this manual using bold type.

Playing Back All the Music Library Tunes
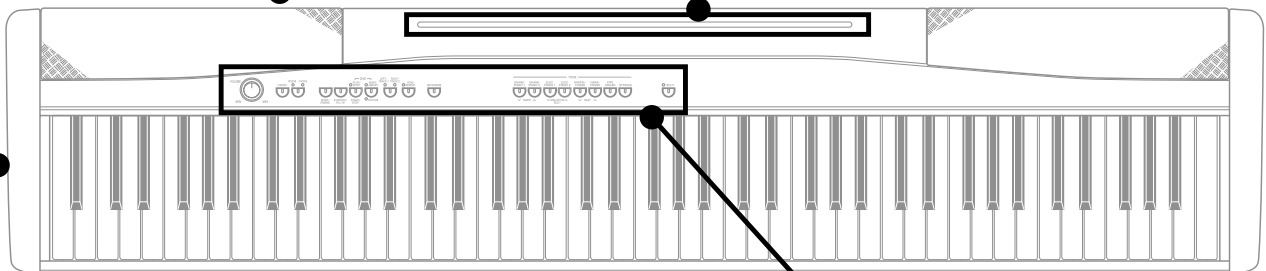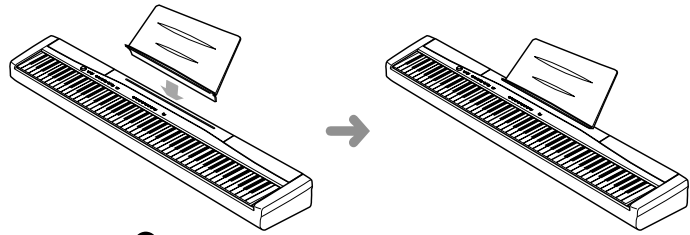
The following procedure plays back the Music Library tunes in sequence.

1 While holding down the **MUSIC LIBRARY** button, press the **START/STOP** button at the same time.
  * This causes the MUSIC LIBRARY indicator lamp to flash, and starts sequential playback of the Music Library tunes.
  * You can play along with the Music Library tunes on the keyboard, if you want. Tone assigned to the keyboard is the one that is preset for the Music Library tune that is playing.

2 Press the **START/STOP** button again to stop Music Library tune play.

Power Supply

You can power this digital piano by plugging it into a standard household power outlet.
Be sure you turn off power and unplug the power cord from the electrical outlet whenever the digital piano is not in use.

Using the AC Adaptor

Make sure that you use only the AC adaptor specified for this digital piano.

Specified AC Adaptor: AD-12

[Left Side Panel]

DC 12V jack

AC adaptor AD-12

AC outlet
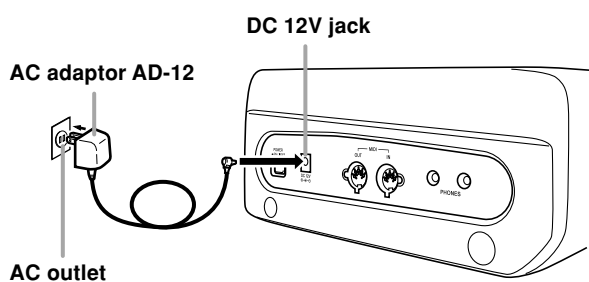
IMPORTANT!

• Make sure that the product is turned off before connecting or disconnecting the AC adaptor.
• Using the AC adaptor for a long time can cause it to become warm to touch. This is normal and does not indicate malfunction.

Connections

• Whenever connecting external equipment, first set the VOLUME knob of the digital piano and the volume controller of the external equipment to relatively low volume settings. You can later adjust volume to the level you want after connections are complete.
• Be sure also to refer to the documentation that comes with the external equipment for its proper connection procedures.

Connecting Headphones

Connect commercially available headphones to the digital piano's PHONES jacks. This cuts off the built-in speakers, which means you can practice even late at night without disturbing others. To protect your hearing, make sure that you do not set the volume level too high when using headphones.

[Left Side Panel]
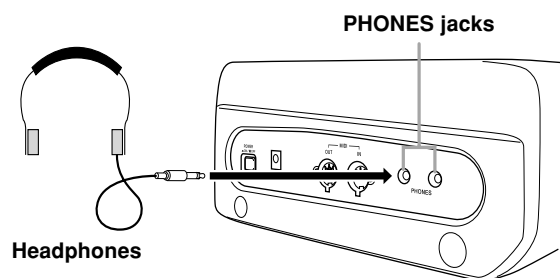
Connecting to a PEDAL Jack

Depending on the type of operation you want the pedal (SP-3) to perform, connect the pedal's cable to the digital piano's PEDAL DAMPER jack or PEDAL SOFT/SOSTENUTO jack. If you want to use both jacks at the same time, you need to purchase another optionally available pedal.
See "Using the Piano's Pedals" on page E-8 for information about using a pedal.

[Back Panel]
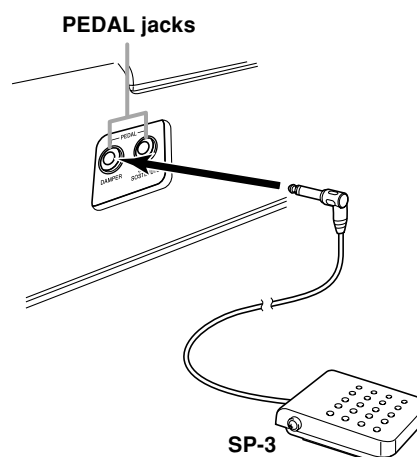
Accessories and Options

Use only the accessories and options specified for this digital piano. Use of non-authorized items creates the danger of fire, electric shock, and personal injury.

Playing with Different Tones

Selecting and Playing a Tone

The piano comes with eight built-in tones.

1 Press the **POWER** button.

POWER button
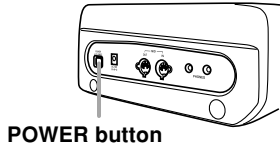
2 Use the **VOLUME** knob to adjust the volume level.

- Before playing, it is a good idea to set the volume to a relatively low level.

3 Press the **TONE** button of the tone you want to select.

4 Now try playing something on the keyboard.

Using Tone Effects

Reverb: Makes your notes resonate
Chorus: Adds more breadth to your notes

1 Press the **REVERB CHORUS** button to cycle through the effect settings as shown below.

- You can find out the current reverb/chorus configuration by looking at the REVERB and CHORUS indicator lamps.

REVERB CHORUS On → Both on
REVERB CHORUS Off → Both off
REVERB CHORUS On → Reverb on
REVERB CHORUS On → Chorus on

Other Effect Settings

You can select from among four reverb effects and four chorus effects by pressing the keyboard keys shown below.

❶ Reverb Effect Keys
Room 2 — Hall 2
Room 1 — Hall 1

C1 C2 C3 C4 C5 C6 C7 C8

❷ Chorus Effect Keys
Chorus 2 — Chorus 4
Chorus 1 — Chorus 3

1 While holding down the **CONTROL** button, press one of the keyboard keys shown above.

CONTROL

TONE

VOLUME
MIN   MAX

CONTROL   REVERB   CHORUS

INTRO/ENDING   SYNCHRO/FILL-IN   START/STOP   RHYTHM

DEMO
PLAY/STOP   MUSIC LIBRARY   LEFT/TRACK 1   RIGHT/TRACK 2   SONG MEMORY   METRONOME

TONE
GRAND PIANO 1   GRAND PIANO 2   ELEC PIANO 1   ELEC PIANO 2   HARPSI-CHORD   VIBRA-PHONE   PIPE ORGAN   STRINGS   SPLIT

TEMPO   SONG/RHYTHM SELECT   BEAT

REVERB CHORUS   METRONOME   TEMPO   BEAT   SPLIT

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Layering Two Tones

Use the following procedure to layer to two tones, so they sound at the same time.

1 Simultaneously press the **TONE** buttons of the two tones that you want to layer.

Example: Press GRAND PIANO 2 button and STRINGS button at the same time.
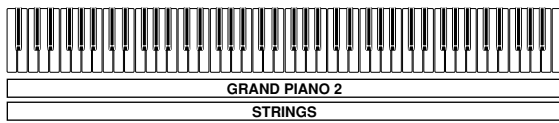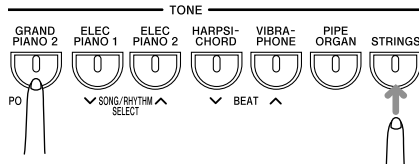
• The tones are now layered.

2 After you are finished using the layered tones, press the one of the **TONE** buttons again to unlayer them.

Adjusting the Volume of Layered Tones

1 While holding down the **CONTROL** button, use the keyboard keys shown below to adjust the volume of the layered tones.
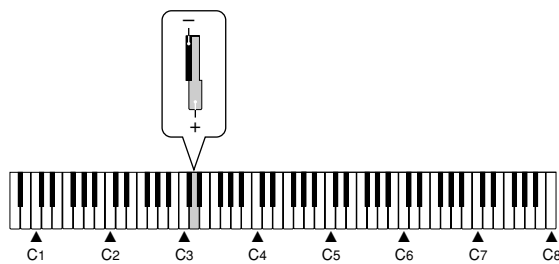
+ : Raises the volume
− : Lowers the volume

Assigning Different Tones to the Left and Right Sides of the Keyboard

You can assign different tones to keys on the left side and the right side of the keyboard.
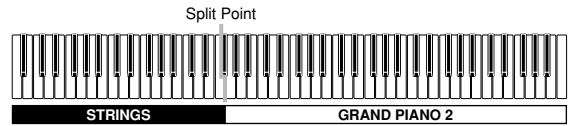
1 Press the **TONE** button of the tone you want to select for the high (right) range.
Example: GRAND PIANO 2

2 Press the **SPLIT** button.
• This causes the SPLIT indicator lamp to light.

3 Press the **TONE** button of the tone you want to select for the low (left) range.
• The keyboard is now split between the two tones.
Example: STRINGS

4 After you are finished using the split keyboard, press the **SPLIT** button again to unsplit it.
• This causes the SPLIT indicator lamp to go out.

NOTE

You can also perform a kind of "quick split" operation using the following key operations.
• Press the SPLIT button.
  ➟ Acoustic Bass (built-in tone)
• Hold down the CONTROL button and press the SPLIT button.
  ➟ Ride Aco Bass (built-in tone)

E-7

Specifying the Keyboard Tone Split Point

1 While holding down the **SPLIT** button, press the keyboard key where you want the left limit of the high range (right) tone to be.

Left limit of the high range

Low range | High range
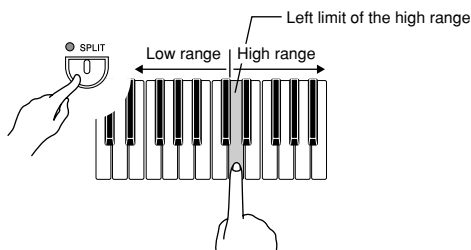
SPLIT

• A note does not sound when you press a keyboard key at this time.

NOTE

• The split point setting also controls the point where the keyboard splits between the accompaniment keyboard (pages E-12, 13) and the melody keyboard. Moving the split point also affects the sizes of the accompaniment keyboard and the melody keyboard.

Using the Piano's Pedals

The digital piano is equipped with two pedal jacks, one for a damper pedal and one for a soft/sostenuto pedal.

SP-3
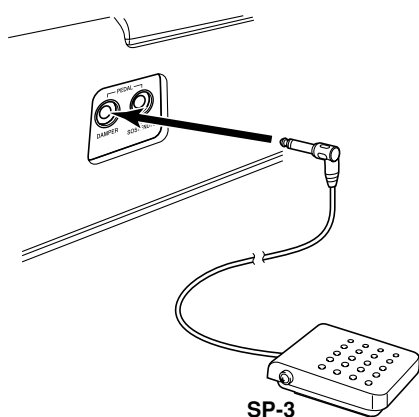
Pedal functions
• Damper pedal
Pressing this pedal causes notes to reverberate and to sustain longer.

• Soft pedal
Pressing this pedal dampens notes and slightly reduces their volume. Only notes played after the pedal is depressed are affected, and any notes played before the pedal is pressed sound at their normal volume.

• Sostenuto pedal
Like the damper pedal, this pedal causes notes to reverberate and to sustain longer. The difference between the two pedals is the timing when they are pressed.
With the sostenuto pedal, you press the pedal after depressing the notes you want to sustain. Only the notes whose keyboard keys are depressed when the sostenuto pedal is pressed are affected.

Selecting the Pedal Function

A pedal connected to the piano's PEDAL jack can operate as either a soft pedal or a sostenuto pedal. When you turn on the keyboard, the pedal is initially configured for soft pedal operation. You can perform the following operation to select either soft or sostenuto for the pedal operation.

1 While holding down the **CONTROL** button, use the keyboard keys shown below to select either soft or sostenuto.

Soft

Sostenuto

C1　　C2　　C3　　C4　　C5　　C6　　C7　　C8
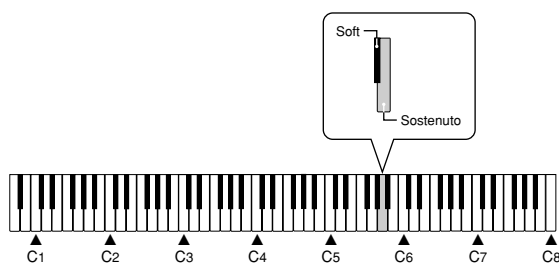
Using the Built-in Metronome

You can use the metronome to sound a count that helps keep you in proper time.

1 Press the **METRONOME** button.

• This starts the metronome.

2 While holding down the **CONTROL** button, press the **BEAT [∨]** or **[∧]** button to specify how many beats there are per measure.

• The first value of the beat can be set to a value of 2 through 6. The bell (indicating the first beat of a measure) does not sound while a value of 0 is specified. All beats are indicated by a click sound. This setting lets you practice with a steady beat, without worrying about how many beats there are in each measure.

3 While holding down the **CONTROL** button, use the **TEMPO [∨]** and **[∧]** buttons to change the tempo (speed) of the metronome.

• You can also use keyboard keys to change the tempo setting (see page E-11).

4 Press the **METRONOME** button again to stop the metronome.

Playing Rhythms

You can select from among 20 built-in rhythms. Rhythms 0 through 9 include percussion instrument sounds, but rhythms 10 through 19 do not. See the next page for information about how to use rhythms 10 through 19.

1 Press the **RHYTHM** button so the RHYTHM indicator lamp (below the button) is lit.

- Each press of the button toggles between the upper indicator lamp and lower indicator lamp.
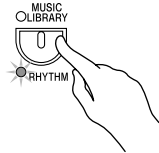
2 While holding down the **CONTROL** button, use the keyboard keys shown below to input a two-digit rhythm number.

- If you want your accompaniment rhythm to include percussion instrument sounds, select a rhythm in the range of 0 through 9.
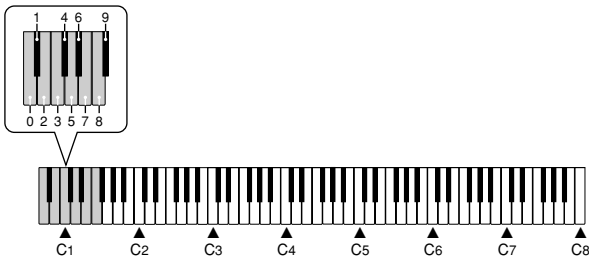
- To select rhythm number 5, for example, press the 0 key and then the 5 key.

3 Press the **START/STOP** button.

- This starts the rhythm.

4 Press the **START/STOP** button again to stop the rhythm.

412A-E-012B
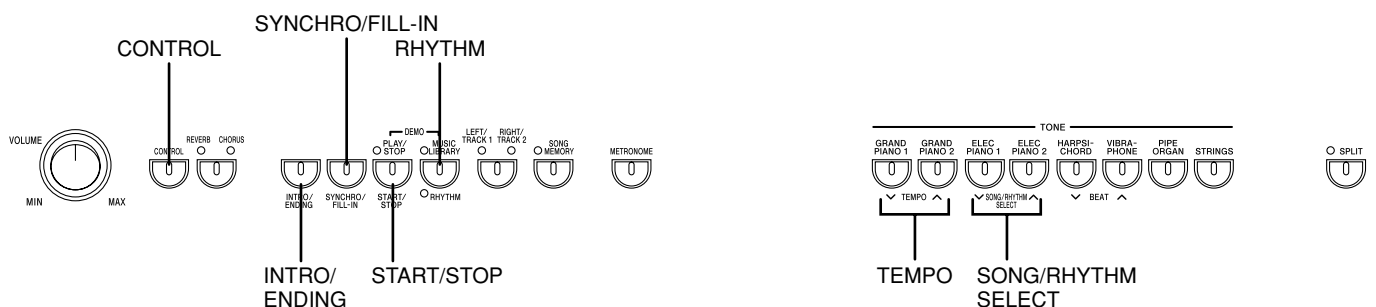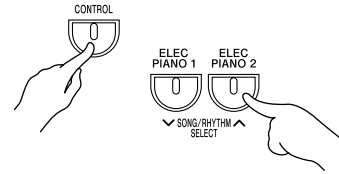
To adjust the tempo of the rhythm

1 Press the **RHYTHM** button so the RHYTHM indicator lamp is lit.

   • Each press of the button toggles between the upper indicator lamp and lower indicator lamp.

2 While holding down the **CONTROL** button, use the **TEMPO** [∨] and [∧] buttons to change the tempo (speed) of the rhythm.

   • To return the rhythm to its standard tempo setting, press the TEMPO [∨] and [∧] buttons at the same time.

NOTE

• You can also use keyboard keys to change the tempo setting.
   (1) While holding down the CONTROL button, press the METRONOME button.
   (2) While keeping the CONTROL button depressed, use the keyboard keys shown below to input a three-digit number.

* Tempo Range: 030 to 255
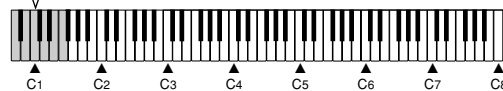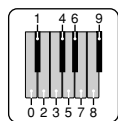
```
   1  4 6  9
   0 2 3 5 7 8
```

C1 C2 C3 C4 C5 C6 C7 C8

Using Auto Accompaniment

With auto accompaniment, the keyboard automatically plays rhythm, bass, and chord parts in accordance with chords you select using simplified keyboard fingerings, or chords you play. Auto accompaniment makes it feel like you have your own private backup group with you all the time.

NOTE

• Rhythms 10 through 19 consist of chord accompaniments only, without any drums or other percussion instruments. These rhythms do not sound unless CASIO CHORD, FINGERED, or FULL RANGE CHORD is selected as the accompaniment mode. With such rhythms, make sure that CASIO CHORD, FINGERED, or FULL RANGE CHORD is selected before you try playing chords.

To play with auto accompaniment

• Select the rhythm you want to use and adjust the tempo.

1 While holding down the **CONTROL** button, press one of the keyboard keys shown below to select a chord mode.

CASIO CHORD ─┐ ┌─ Full-Range Chord

Normal ─┘ └─ Fingered

C1 C2 C3 C4 C5 C6 C7 C8
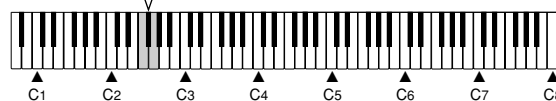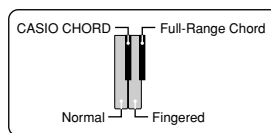
   • Here we will select the CASIO CHORD mode.
   • See page E-12 for information about how to use the chord modes.

2 Press the **SYNCHRO/FILL-IN** button.

   • This configures the piano so rhythm and chord accompaniment will start automatically when you press any keys within the accompaniment keyboard range.

3 Press the **INTRO/ENDING** button.

   • This configures the piano so accompaniment starts with an intro pattern.

4 Use a CASIO CHORD fingering to play the first chord within the accompaniment keyboard range.
   • This will cause the intro pattern for the selected rhythm to play, followed by the auto accompaniment rhythm and chord pattern.

5 Use CASIO CHORD fingerings to play other chords.
   • See "How to Play Chords" on this page for information about how to finger chords with the various chord modes.
   • You can insert a fill-in pattern while an auto accompaniment is playing by pressing the SYNCHRO/FILL-IN button. A fill-in helps to change the mood of the auto accompaniment pattern.

6 To stop auto accompaniment play, press the **INTRO/ENDING** button.
   • This will play an ending pattern for the selected rhythm before stopping auto accompaniment play.

NOTE
• You can start or stop auto accompaniment play without an intro or ending pattern by pressing the START/STOP button in steps 3 and 6.

How to Play Chords

The way you finger chords depends on the current chord mode.

■ Normal
In this mode there is no auto accompaniment, so you can play all of piano's keys for standard-fingering chords or melody notes.

■ CASIO CHORD
This method of chord play makes it possible for anyone to easily play chords, regardless of previous musical knowledge and experience. The following describes the CASIO CHORD "Accompaniment keyboard" and "Melody keyboard", and tells you how to play CASIO CHORDs.

CASIO CHORD Accompaniment Keyboard and Melody Keyboard

Accompaniment keyboard   Melody keyboard
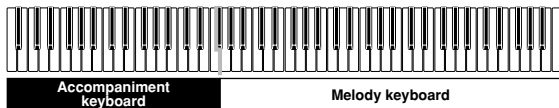
NOTE
• The accompaniment keyboard can be used for playing chords only. No sound will be produced if you try playing single melody notes on the accompaniment keyboard.

Chord Types
CASIO CHORD accompaniment lets you play four types of chords with minimal fingering.

Chord Types	Example
Major chords Press one accompaniment key. Note that the chord produced when you press an accompaniment keyboard key does not change octave, regardless of which key you use to play it.	C Major (C)
Minor chords (m) To play a minor chord, keep the major chord key depressed and press any other accompaniment keyboard key located to the right of the major chord key.	C minor (Cm)
Seventh chords (7) To play a seventh chord, keep the major chord key depressed and press any other two accompaniment keyboard keys located to the right of the major chord key.	C seventh (C7)
Minor seventh chords (m7) To play a minor seventh chord, keep the major chord key depressed and press any other three accompaniment keyboard keys located to the right of the major chord key.	C minor seventh (Cm7)

NOTE
• It makes no difference whether you press black or white keys to the right of a major chord key when playing minor and seventh chords.

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■ FINGERED

In this mode, you specify chords by playing them as you would on a piano, inside the accompaniment keyboard range. To specify a C-chord, you would play C-E-G.

FINGERED Accompaniment Keyboard and Melody Keyboard

| Accompaniment keyboard | Melody keyboard |

C

Cm

Cdim

Caug *1

Csus4

C7 *2

Cm7 *2

Cmaj7 *2

Cm7♭5

C7♭5 *1

C7sus4

Cadd9

Cmadd9

CmM7 *2

Cdim7 *1

NOTE
• See the "Fingered Chord Chart" on page A-2 for details on playing chords with other roots.

*1: Inverted fingerings cannot be used. The lowest note is the root.

*2: The same chord can be played without pressing the 5th G.

NOTE
• Except for the chords specified in note*1 above, inverted fingerings (i.e. playing E-G-C or G-C-E instead of C-E-G) will produce the same chords as the standard fingering.
• Except for the exception specified in note*2 above, all of the keys that make up a chord must be pressed. Failure to press even a single key will not play the desired FINGERED chord.

■ FULL RANGE CHORD

This accompaniment method makes it possible to play a total of 38 chord variations: the 15 available with FINGERED plus 23 additional variations. The keyboard interprets any input of three or more keys that matches a FULL RANGE CHORD pattern to be a chord. Any multi-key input that is not a FULL RANGE CHORD pattern is interpreted as melody play. Because of this, there is no need for a separate accompaniment keyboard, and the entire keyboard from end-to-end can be used for both melody and chords.

FULL RANGE CHORD Accompaniment Keyboard and Melody Keyboard

| Accompaniment keyboard/Melody keyboard |

Chords Recognized by This Piano

The following table identifies patterns that are recognized as chords by FULL RANGE CHORD.

Pattern Type	Number of Chord Variations
FINGERED	The 15 chord patterns shown under "FINGERED" on this page.
Standard Fingerings	23 standard chord fingerings. The following are examples of the 23 chords available with C as the bass note. $C_6 \cdot Cm_6 \cdot C_{69}$ $\frac{D\flat}{C} \cdot \frac{D}{C} \cdot \frac{E}{C} \cdot \frac{F}{C} \cdot \frac{G}{C} \cdot \frac{A\flat}{C} \cdot \frac{B\flat}{C}$ $\frac{B}{C} \cdot \frac{D\flat m}{C} \cdot \frac{Dm}{C} \cdot \frac{Fm}{C} \cdot \frac{Gm}{C} \cdot \frac{Am}{C} \cdot \frac{B\flat m}{C}$ $\frac{Ddim}{C} \cdot \frac{A\flat 7}{C} \cdot \frac{F7}{C} \cdot \frac{Fm7}{C} \cdot \frac{Gm7}{C} \cdot \frac{A\flat add9}{C}$

Example: To play the chord C major and $\frac{C}{E}$.

① ..... Chord C
② ..... Chord $\frac{C}{E}$

NOTE
• If there are more than six semitones between the lowest note and the next note to the right, the lowest note is interpreted as a bass note.

Adjusting Accompaniment Volume

Perform the following operation to change the volume level of the rhythm and chord accompaniment.

1   While holding down the **CONTROL** button, use the keyboard keys shown below to raise (+) or lower (–) the accompaniment volume.
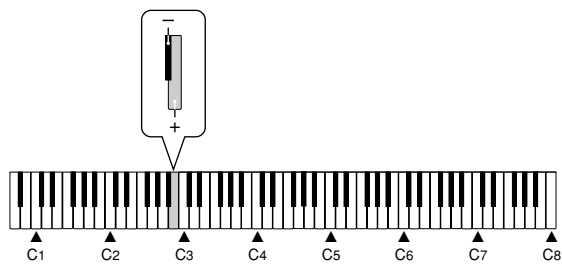
+ : Raises the accompaniment volume
– : Lowers the accompaniment volume

Learning to Play the Music Library Tunes

Playing a Music Library Tune

Your piano comes with 30 Music Library tunes built in. See the Song List on page A-1 of this manual for more information.

1. Press the **MUSIC LIBRARY** button so the MUSIC LIBRARY indicator lamp (above the button) is lit.
   - Each press of the button toggles between the upper indicator lamp and lower indicator lamp.
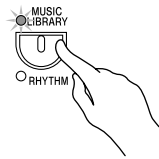
2. While holding down the **CONTROL** button, press the keyboard keys shown below to input a tune number.
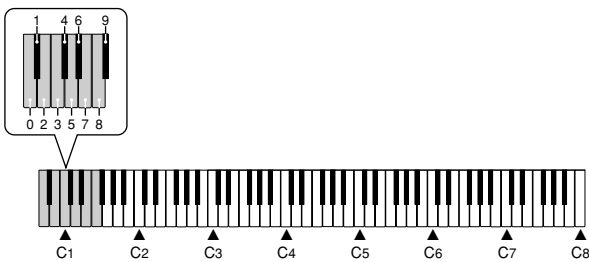
   - To select tune number 5, for example, press the 0 key and then the 5 key. Always input two digits for the tune number.

3. Press the **PLAY/STOP** button.
   - This starts the playback of the tune.

4. Press the **PLAY/STOP** button again to stop tune playback.
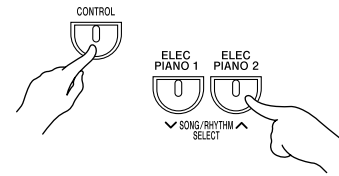
Practicing a Music Library Tune

You can turn off the left hand part or right hand part of a Music Library tune and play along on the piano.

PREPARATION
- Select the tune you want to practice and adjust the tempo. If you are playing a tune for the first time, a slow tempo is probably best.

1. Use the **LEFT/TRACK 1   RIGHT/TRACK 2** button to turn parts on or off.
   - The indicator lamps above the button show the current on/off status of the parts.
     - To turn off the left hand part, the LEFT/TRACK 1 indicator lamp should be unlit.
     - To turn off the right hand part, the RIGHT/TRACK 2 indicator lamp should be unlit.

2. Press the **PLAY/STOP** button.
   - This starts playback of the tune, without the part you selected in step 1.

3. Play the missing part on the piano's keyboard.

4. Press the **PLAY/STOP** button again to stop song playback.
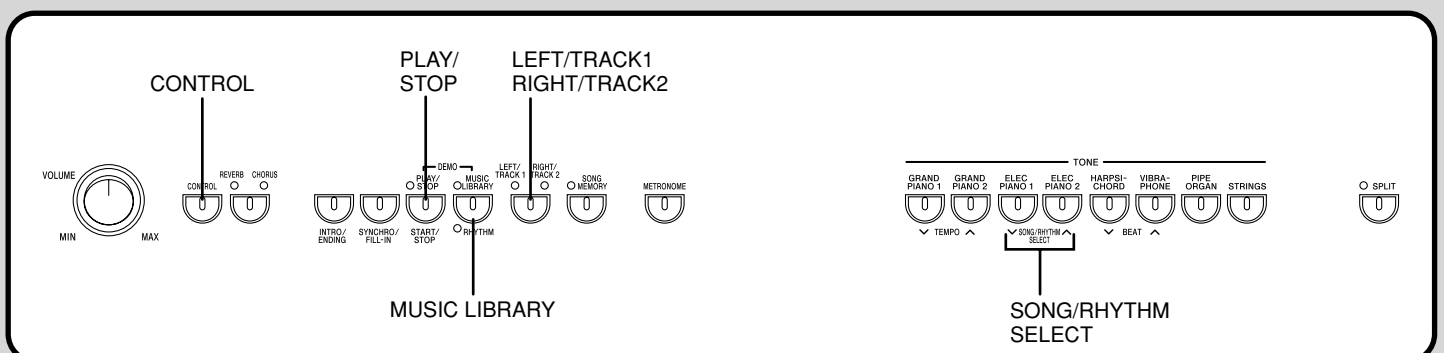
Recording to and Playing Back from Song Memory

You can store the notes you play in Song Memory for later playback.

Tracks

The song memory of this piano records and plays back notes much like a standard tape recorder. There are two tracks, each of which can be recorded separately. Besides notes, each track can be assigned its own tone number. During playback you can adjust the tempo to change the speed of playback.
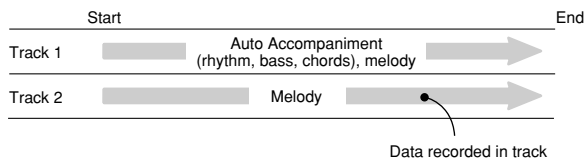
Song Memory Capacity

- You can store a total of up to about 5,200 notes (Track 1 + Track 2) in Song Memory.
- Recording stops automatically if the number of notes in Song Memory exceeds the maximum while you are recording. This is indicated by the SONG MEMORY indicator lamp turning on.

Other Song Memory Data

The following data is included when recording to Song Memory: selected tone, tempo and beat settings, pedal operations, reverb and chorus settings, selected rhythm (Track 1 only).

Recorded Data Storage

This digital piano has a lithium battery to supply power to retain memory contents even while power is off.* The life of the lithium battery is five years after the date of manufacture of the digital piano. Be sure to contact your CASIO service provider about having the lithium battery replaced every five years.

* Never turn off piano power while a record operation is in progress.

IMPORTANT!

- If the data recorded in a single track uses up all the available Song Memory capacity, you will not be able to record anything in the other track.
- Recording new data to a track automatically deletes any data previously stored in that track.
- Turning off power while a record operation is in progress deletes anything recorded up to that point.
- CASIO shall not be held responsible for any losses by you or any third party due to loss of data caused by malfunction or repair of this digital piano, or by battery replacement.

SONG MEMORY Button Operation

Each press of the SONG MEMORY button cycles through the functions shown below.
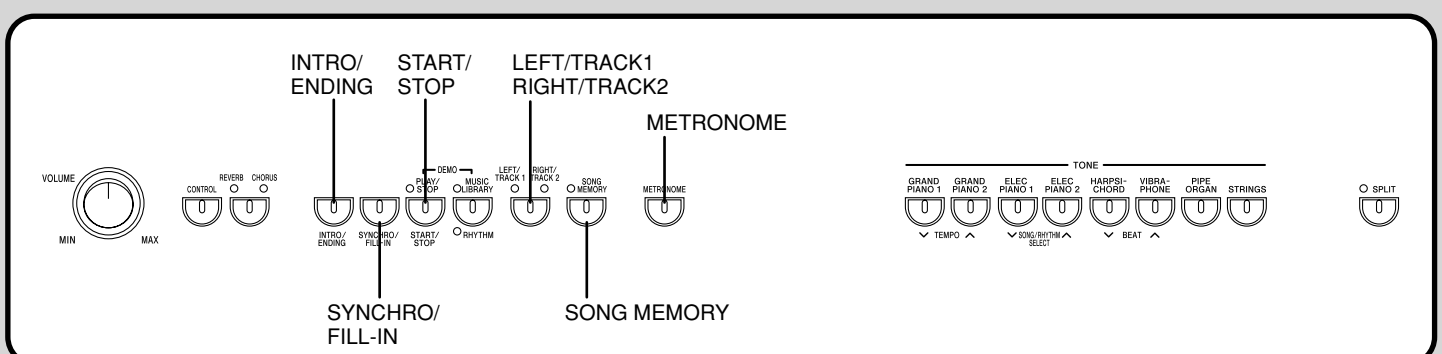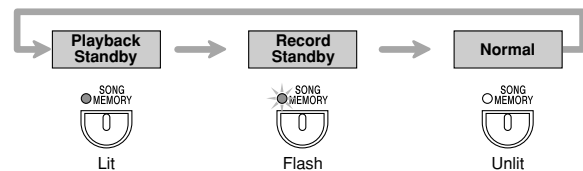
Recording Your Keyboard Play

You can record to either track with or without playback of the other track.

To record to one track without playing back the other

1 Press the **SONG MEMORY** button twice so the SONG MEMORY indicator lamp is flashing.

- At this time the LEFT/TRACK 1 indicator lamp should also be flashing. This indicates that the piano is standing by for recording to Track 1.

NOTE

- If you want to record to Track 2, press the LEFT/ TRACK 1 RIGHT/TRACK 2 button here. This will cause the RIGHT/TRACK 2 indicator lamp to flash, which indicates that the piano is standing by for recording to Track 2.

- Select the tone and effects you want to use in your recording, and configure the tempo and beat settings.
- If you want to use the metronome during recording, press the METRONOME button to start it.
- If you want to use a rhythm and/or auto accompaniment during recording (to Track 1 only), select the rhythm and chord mode.

2 Start playing something on the keyboard.

- This will automatically start recording.
- Actually, there are a variety of different ways to start the record operation. See "Starting the Record Operation" below for more information.

3 When you are finished, press the **START/ STOP** button to stop recording.

- If you are using a rhythm, you can stop recording with an ending pattern by pressing the INTRO/ENDING button.
- Stopping recording causes the SONG MEMORY indicator lamp to go out, and indicator lamp above the button of the track to which you recorded to light.
- To play back the track you just recorded, press the START/STOP button again.

4 After you are finished recording and playing back, press the **SONG MEMORY** button so the SONG MEMORY indicator lamp is off.

Starting the Record Operation

You can use any of the following methods to start a record operation in step 2 of the above procedure.

■ **When recording to Track 1 with rhythm or auto accompaniment**
- Press the START/STOP button to start recording.
- Press the SYNCHRO/FILL-IN button to put the piano into synchro start standby. Recording will start when you finger a chord in the accompaniment range of the keyboard.
- Press the INTRO/ENDING button to put the piano into synchro start standby. Recording will start and an intro pattern will play when you finger a chord in the accompaniment range of the keyboard.

■ **When recording to Track 1 without rhythm or auto accompaniment**
- Recording will start as soon as you play anything on the keyboard.

■ **When recording to Track 2**
- Press the START/STOP button or play something on the keyboard to start recording.

To record to a track while playing back from the other

After you finish recording, you can play back Track 1 and Track 2 at the same time.

Example: To record to Track 2 while playing back the contents of Track 1

1 Press the **SONG MEMORY** button once.
- This causes the SONG MEMORY indicator lamp to light.

2 Press the **LEFT/TRACK 1 RIGHT/TRACK 2** button so LEFT/TRACK 1 indicator is lit.

3 Press the **SONG MEMORY** button again.
- This causes the LEFT/TRACK 1 indicator lamp to flash. Press the LEFT/TRACK 1 RIGHT/TRACK 2 button again, so it causes the RIGHT/TRACK 2 indicator lamp to flash, which indicates that the piano is standing by for recording to Track 2.
- Select the tone and effects you want to use while recording.

4 Press the **START/STOP** button or play something on the keyboard to start simultaneous playback from Track 1 and recording to Track 2.

5 When you are finished, press the **START/STOP** button again to stop recording.

Playing Back from Song Memory

1 Press the **SONG MEMORY** button once.
- This causes the SONG MEMORY indicator lamp to light.

2 Use the **LEFT/TRACK 1 RIGHT/TRACK 2** button to select the track you want to play back.
- ● The indicator lamps above the button show the currently selected track.
  - To play back Track 1, the LEFT/TRACK 1 indicator lamp should be lit.
  - To play back Track 2, the RIGHT/TRACK 2 indicator lamp should be lit.
  - To play back Track 1 and Track 2, both the indicator lamps should be lit.

3 Press the **START/STOP** button.
- This starts playback of the track you selected.
- You can change the tempo setting as a track is playing.
- As a track is playing, you can turn the metronome on or off using the METRONOME button.
- You cannot change the tone setting during playback.
- Press the START/STOP button again to stop playback.

To delete song memory data

IMPORTANT!

- The procedure below deletes all of the data from the selected track. Note that the delete operation cannot be undone. Check to make sure you really do not need the data in Song Memory before you perform the following steps.

1 Press the **SONG MEMORY** button twice.
- This causes the SONG MEMORY indicator lamp to be flashing.

2 Use the **LEFT/TRACK 1 RIGHT/TRACK 2** button to select the track you want to delete.
- The indicator lamps above the button show the currently selected track.
- To delete Track 1, the LEFT/TRACK 1 indicator lamp should be flashing.
- To delete Track 2, the RIGHT/TRACK 2 indicator lamp should be flashing.

3 Hold down the **SONG MEMORY** button until its indicator lamp stops flashing and remains lit.

4 Press the **LEFT/TRACK 1 RIGHT/TRACK 2** button.
- This deletes the contents of the track.

Other Settings

Changing the Keyboard Touch

❶ This setting changes the relative touch of the keyboard keys.

Changing the Piano Key

❷ Use this setting to raise or lower the overall key of the keyboard in semitone steps.

Changing the Pitch of the Piano to Match Another Instrument

❸ Use this setting to raise or lower the overall pitch of the piano. The setting range is plus or minus 50 cents (100 cents = 1 semitone) from the standard pitch of A4 = 440.0Hz.

1   While holding down the **CONTROL** button, use the keyboard keys shown below to select the keyboard setting you want.
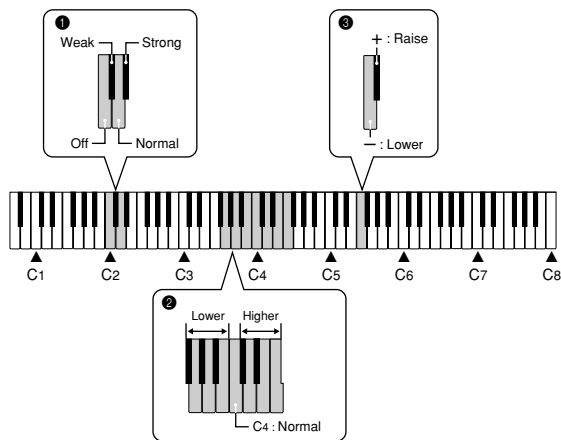
❶ **Changing the Keyboard Touch**
   Off
   Weak (Strong sound is produced even when relatively light pressure is applied.)
   Normal
   Strong (Normal sound is produced even when relatively strong pressure is applied.)

❷ **Changing the Piano Key**
   Higher (C♯ to F)
   Normal (C)
   Lower (F♯ to B)

❸ **Changing the Pitch of the Piano to Match Another Instrument**
   + : Raise
   – : Lower

* Each press of a key changes the current setting by approximately 1 cents (1/100 semitone).

NOTE

• Holding down the CONTROL button and pressing keyboard keys "–" and "+" at the same time returns tuning to the standard A4 = 440.0Hz.
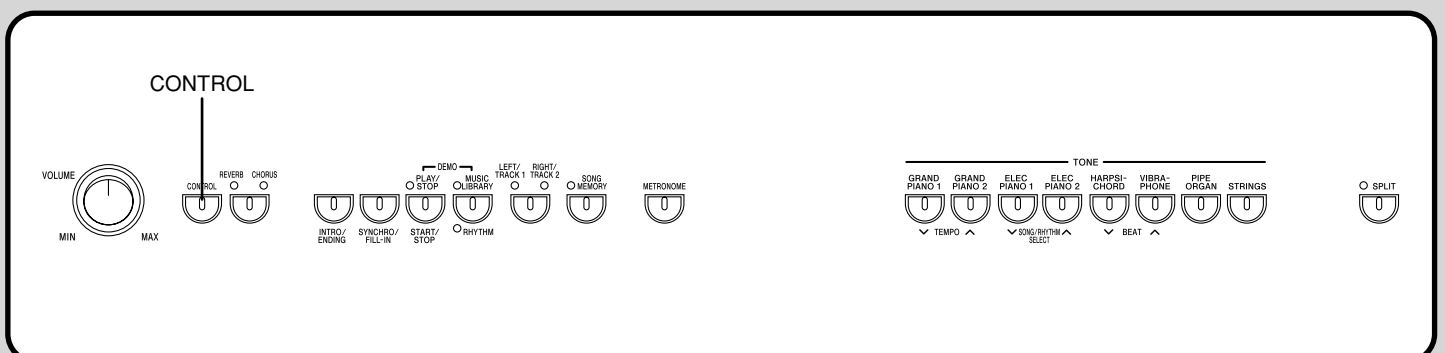
Using MIDI

What is MIDI?

The letters MIDI stand for Musical Instrument Digital Interface, which is the name of a worldwide standard for digital signals and connectors that makes it possible to exchange musical data between musical instruments and computers (machines) produced by different manufacturers.

MIDI Connections

Send
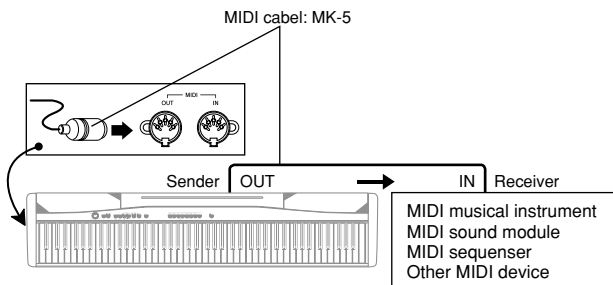
Receive
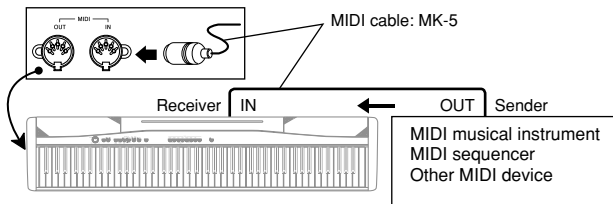
MIDI Settings

❶ **Send Channel**

Use this setting to specify one of the MIDI channels (1 through 16) as the Send Channel for sending MIDI messages to an external device.

❷ **Accomp MIDI Out**

Use this setting to specify whether or not MIDI messages for the piano's auto accompaniment should be sent.

❸ **MIDI IN Chord Judge**

Specifies whether chord judge should be performed on accompaniment range MIDI Note On messages received from an external device.

❹ **Local Control**

This setting controls whether or not power is cut off internally from the piano's keyboard and sound source. Turning off Local Control cuts off power to the keyboard and source, which means that the piano does not produce any sound when played. This comes in handy when you want to turn off the piano's keyboard and use its auto accompaniment feature to accompany an external sequencer or other device.

1 While holding down the **CONTROL** button, press one the keyboard keys shown below to configure the setting you want.
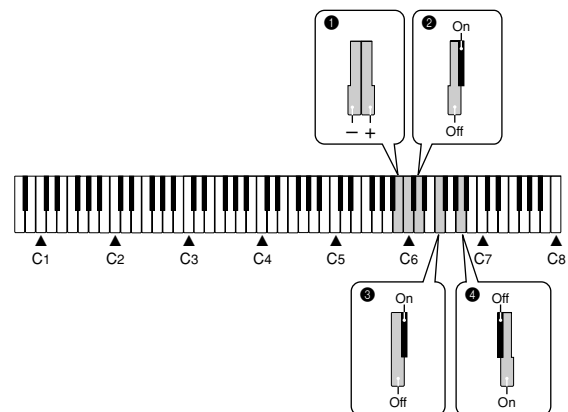
❶ **Send Channel**

− : Decreases value
+ : Increases value

❷ **Accomp MIDI Out**

Off
On

❸ **MIDI IN Chord Judge**

Off
On

❹ **Local Control**

Off
On

E-20

Expanding the Selections in the Music Library

You can transfer song data from your computer to the piano's Music Library. You can store up to 10 tunes (about 7,600 notes, about 47 kilobytes) as Music Library songs 30 through 39. For SMF data you purchase or create, you need to use special CASIO conversion software to convert it to CASIO format before transferring it to the piano.
You can obtain a copy of the special CASIO conversion software by downloading it at the Web page shown below. After downloading, install the software on your computer.

CASIO MUSIC SITE

http://music.casio.com/

• In addition to the software itself, the CASIO MUSIC SITE will also provide you with information about its installation and use. You can also find out about how to connect your computer and piano, the latest news about your piano and other CASIO musical instruments, and much more.

Troubleshooting

Symptom	Possible Cause	Action	Reference
No sound produced when keyboard keys are pressed.	1. VOLUME knob set to MIN. 2. Headphones connected to the digital piano. 3. Local Control turned off. 4. Check the current accompaniment mode setting. Normally, the accompaniment keyboard will not produce any note while CASIO CHORD or FINGERED is selected as the accompaniment mode.	1. Move the VOLUME knob more towards MAX. 2. Disconnect the headphones from the digital piano. 3. Turn on Local control. 4. Change the accompaniment mode to NORMAL.	Page E-6 Page E-5 Page E-20 Page E-12
Keyboard out of tune.	1. The piano key is set to a value other than C. 2. Incorrect pitch setting of the piano.	1. Change the piano key setting to C, or turn the digital piano power off and then back on again. 2. Correct the pitch setting, or turn the digital piano power off and then back on again.	Page E-19 Page E-19
No sound produced by demo tune play.	1. VOLUME knob set to MIN. 2. Headphones connected to the digital piano.	1. Move the VOLUME knob more towards MAX. 2. Disconnect the headphones from the digital piano.	Page E-6 Page E-5
Memory contents deleted.	Lithium battery is dead.	Contact your CASIO Service Provider for replacement of the lithium battery.	Page E-24
No sound produced by connected external MIDI sound source when the digital piano keys are pressed.	1. The digital piano Send Channel does not match the Send Channel of the MIDI sound source. 2. Volume or expression setting of the external sound source is set to 0.	1. Change the Send Channel settings so they are identical. 2. Change the volume or expression setting of the external sound source to an appropriate value.	Page E-20 See the documentation that comes with the external sound source.

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Specifications

Models:	PX-100
Keyboard:	88 piano keys (with touch response)
Polyphony:	32 notes, maximum
Tones:	8; with layer and split
Digital Effects:	Reverb (4 types), Chorus (4 types)
Metronome:	• Time Signatures: 0, 2, 3, 4, 5, 6
	• Tempo Range: 30 to 255
Auto Accompaniment:	• Number of Rhythms: 20
	• Tempo Range: 30 to 255
	• Controllers: START/STOP, INTRO/ENDING, SYNCHRO/FILL-IN
	• Modes: Normal, CASIO CHORD, FINGERED, FULL RANGE CHORD
	• Accompaniment Volume: Adjustable
Music Library:	• Number of Tunes: 30 preset + 10 loaded song data
	• Tempo: 30 to 255
	• Demo: Sequential looping of all 30 preset tunes
Lesson Function:	• Lesson Part: Left hand, right hand
Song Memory:	• Operations: Real-time recording, playback
	• Capacity: Approximately 5,200 notes (2 tracks)
	• Memory Backup: Built-in lithium battery (Battery Life: 5 years)
Pedals:	Damper, Soft/Sostenuto (Selectable)
Other Functions:	• Touch: 3 types, off
	• Transpose: 1 octave (F♯ to C to F)
	• Tuning: A4 = 440.0Hz ±50 cents (adjustable)
MIDI:	16 multi-timbre receive
Input/Output:	• Headphones: Stereo mini jacks × 2 　　　　　　　 Output Impedance: 170Ω 　　　　　　　 Output Voltage: 1.1V (RMS) MAX
	• Pedal: Standard jacks × 2
	• Power: 12V DC
	• MIDI (OUT) (IN)
Speakers:	(12cm × 6cm) × 2 (Output: 8.0W + 8.0W)
Power Supply:	AC Adaptor: AD-12
Power Consumption:	12V ⎓ 18W
Dimensions:	132.3 × 27.8 × 13.2 cm (52 $^1/_{16}$ × 10 $^{15}/_{16}$ × 5 $^3/_{16}$ inch)
Weight:	Approximately 12.5 kg (27.5 lbs)

• Design and specifications are subject to change without notice.

Operational Precautions

Locating the Unit

Avoid the following locations.
• Areas exposed to direct sunlight and high humidity
• Areas subjected to very low temperatures
• Near a radio, TV, video deck, or tuner (unit can cause interference with audio or video signals)

Care of the Unit

• Never use benzene, alcohol, thinner or other such chemicals to clean the exterior of the unit.
• To clean the keyboard, use a soft cloth dampened with a weak solution of a mild neutral detergent and water. Wring out all excess moisture from the cloth before wiping.

Lithium Battery

This unit is equipped with a lithium battery to provide power needed to retain memory contents while unit power is turned off. Should the lithium battery go dead, all memory contents will be lost whenever you turn unit power off. The normal life of the lithium battery is five years from the time that the battery was installed. Be sure to periodically contact your retailer or authorized service provider to have the lithium battery replaced. Note that you will be charged separately for lithium battery replacement.

• Note that CASIO COMPUTER CO., LTD. shall not be held liable for any damages or losses or any claims by third parties arising from corruption or loss of data caused by malfunction or repair of the unit, or from battery replacement.

You may notice lines in the finish of the case of this product. These lines are the result of the molding process used to shape the plastic of the case. They are not cracks or breaks in the plastic, and are no cause for concern.

NOTE
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• The contents of this manual are subject to change without notice.

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Setting Control Key Chart

While the CONTROL button is depressed, the keyboard keys can be used to perform a variety of different setting functions. To help you understand which keyboard keys you need to press, it is a good idea to remember where the various C notes (C1 through C8) are on the keyboard.

* A value next to a note name indicates the relative position of the note on the keyboard as shown below.
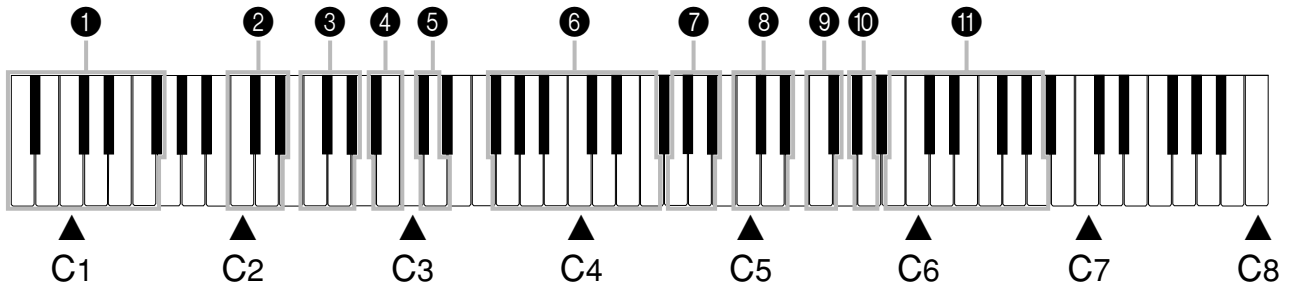
❶ Number Input Keys (0 to 9)

❷ Keyboard Touch (Off, Weak, Normal, Strong)

❸ Chord Mode (Normal, CASIO CHORD, Fingered, Full-Range Chord)

❹ Accompaniment Volume (–, +)

❺ Layered Tones Volume (–, +)

❻ Piano Key (F♯ to C to F)

❼ Reverb Effect (1 to 4)

❽ Chorus Effect (1 to 4)

❾ Pitch Setting (–, +)

❿ Pedal Function (Soft, Sostenuto)

⓫ MIDI (see page E-20)

Appendix/Apéndice

Tone List/Lista de sonidos

Tone Name/ Nombre de sonidos	Maximum Polyphony/ Polifonía máxima	Program Change/ Cambio de programa	Bank Select MSB/ MSB de selección de banco
GRAND PIANO 1	16	0	0
GRAND PIANO 2	32	1	0
ELEC PIANO 1	32	2	0
ELEC PIANO 2	16	3	0
HARPSICHORD	32	4	0
VIBRAPHONE	32	5	0
PIPE ORGAN	32	6	0
STRINGS	32	7	0
ACOUSTIC BASS	32	32	2
RIDE ACO BASS	16	32	32

Rhythm List/Lista de ritmos

No./N°	Rhythm Name/Nombre de ritmo
00	PIANO BALLAD 1
01	PIANO BALLAD 2
02	PIANO BALLAD 3
03	EP BALLAD 1
04	EP BALLAD 2
05	BLUES BALLAD
06	MELLOW JAZZ
07	JAZZ COMBO
08	RAGTIME
09	BOOGIE-WOOGIE
10	ARPEGGIO 1
11	ARPEGGIO 2
12	ARPEGGIO 3
13	PIANO BALLAD 4
14	6/8 MARCH
15	MARCH
16	2 BEAT
17	WALTZ 1
18	WALTZ 2
19	WALTZ 3

NOTE
- Rhythms 10 through 19 consist of chord accompaniments only, without any drums or other percussion instruments. These rhythms do not sound unless CASIO CHORD, FINGERED, or FULL RANGE CHORD is selected as the accompaniment mode. With such rhythms, make sure that CASIO CHORD, FINGERED, or FULL RANGE CHORD is selected before you try playing chords.

NOTA
- Los ritmos 10 al 19 consisten solamente de acompañamientos de acordes, sin ninguna batería ni otros instrumentos de percusión. Estos ritmos no suenan a menos que CASIO CHORD, FINGERED o FULL RANGE CHORD se encuentren seleccionados como el modo de acompañamiento. Con tales ritmos, asegúrese de que se selecciona CASIO CHORD, FINGERED o FULL RANGE CHORD, antes de tratar de ejecutar los acordes.

Song List/Lista de canciones

No./N°	Song Name/Nombre de canciones
0	Nocturne Op.9-2
1	Fantaisie-Impromptu Op.66
2	Etude Op.10-3 "Chanson de l'adieu"
3	Etude Op.25-9
4	Prelude Op.28-7
5	Valse Op.64-1 "Petit Chien"
6	Träumerei
7	La Prière d'une Vierge
8	Blumenlied
9	Csikos Post
10	Arabesque 1
11	Gymnopédies 1
12	Menuet "Klavierbüchlein für Anna Magdalena Bach"
13	Inventio 1
14	Jesus Bleibet Meine Freude
15	Variations on "Ah, Vous Dirai-je, Maman" K.265
16	Sonata K.331 3rd Mov. "Turkish March"
17	Sonata Op.13 "Pathétique" 2nd Mov.
18	Sonata Op.27-2 "Moonlight" 1st Mov.
19	Für Elise
20	Moments Musicaux Op.94-3
21	Impromptu Op.142-3 "Thema"
22	Over the Rainbow
23	Someday My Prince Will Come
24	Let It Be
25	Saving All My Love For You
26	Happy Birthday To You
27	Jingle Bells
28	Amazing Grace
29	Grandfather's Clock

Fingered Chord Chart

Cuadro de acordes digitados (Fingered)

Chord Type / Root	aug	sus4	7sus4	m add9	mM7	7♭5	add9
C							
C♯/(D♭)							
D							
(D♯)/E♭							
E							
F							
F♯/(G♭)							
G							
(G♯)/A♭							
A							
(A♯)/B♭							
B							

Chord Type / Root	M	m	7	m7	dim7	M7	dim	m7♭5
C								
C♯/(D♭)								
D								
(D♯)/E♭								
E								
F								
F♯/(G♭)								
G								
(G♯)/A♭								
A								
(A♯)/B♭								
B								

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MIDI Implementation Chart

Function ...		Transmitted	Recognized	Remarks
Basic	**Default**	1	1-16	
Channel	**Changed**	1-16	1-16	
Mode	**Default**	Mode 3	Mode 3	
	Messages	X	X	
	Altered	✳✳✳✳✳✳✳✳✳✳✳✳✳✳✳		
Note		21-108	0-127	
Number	**True voice**	✳✳✳✳✳✳✳✳✳✳✳✳✳✳✳	0-127	
Velocity	**Note ON**	O 9nH V = 1-127	O 9nH V = 1-127	
	Note OFF	X 8nH V = 64	X 9nH V = 0, 8nH V = ✳✳	✳✳ = no relation
After	**Key's**	X	X	
Touch	**Ch's**	X	X	
Pitch Bender		X	O	
Control	**0, 32**	O	O	Bank select
Change	**1**	X	O	Modulation
	6, 38	O✳1	O✳1	Data entry
	7	O	O	Volume
	10	O	O	Pan
	11	O	O	Expression
	64	O	O	Damper
	66	O✳2	O	Sostenuto
	67	O✳2	O	Soft
	91	O	O	Reverb send
	93	O	O	Chorus send
	100, 101	O	O	RPN LSB, MSB
	120	O	O	All sound off
	121	O	O	Reset all controller
Program		O 0-7, 32	O 0-7, 32	
Change	**:True #**	✳✳✳✳✳✳✳✳✳✳✳✳✳✳✳	✳✳✳✳✳✳✳✳✳✳✳✳✳✳✳	
System Exclusive		O✳3	O✳3	
System	**: Song Pos**	X	X	
Common	**: Song Sel**	X	X	
	: Tune	X	X	
System	**: Clock**	O	X	
Real Time	**: Commands**	O	X	
Aux	**: Local ON/OFF**	X	X	
	: All notes OFF	O	O	
Messages	**: Active Sense**	X	O	
	: Reset	X	X	

Remarks	
✳1	Fine tune and coarse tune send/receive, RPN Null, and pitch bend sense receives
✳1	Afinación fina y envío/recepción de afinación gruesa, RPN nulo y recepción de captación de inflexión de altura tonal.
✳2	In accordance with pedal
✳2	De acuerdo al pedal.

✳3	• Reverb type [F0][7F][7F][04][05][01][01][01][01][01][00][vv][F7]
	    vv=00: Room1, 01: Room2, 02: Hall1, 03: Hall2
	• Chorus type [F0][7F][7F][04][05][01][01][01][01][02][00][vv][F7]
	    vv=00: Chorus1, 01: Chorus2, 02: Chorus3, 03: Chorus4

✳3	• Tipo de reverberación [F0][7F][7F][04][05][01][01][01][01][01][00][vv][F7]
	    vv=00: Room1, 01: Room2, 02: Hall1, 03: Hall2
	• Tipo de chorus [F0][7F][7F][04][05][01][01][01][01][02][00][vv][F7]
	    vv=00: Chorus1, 01: Chorus2, 02: Chorus3, 03: Chorus4

Mode 1 : OMNI ON, POLY	Mode 2 : OMNI ON, MONO	O : Yes
Mode 3 : OMNI OFF, POLY	Mode 4 : OMNI OFF, MONO	X : No

This recycle mark indicates that the packaging conforms to the environmental protection legislation in Germany.

Esta marca de reciclaje indica que el empaquetado se ajusta a la legislación de protección ambiental en Alemania.

CASIO®