CDP-S360

EN

USER'S GUIDE

Preparing a Power Supply

Turning Power On or Off

Using a Pedal

Using Headphones

Playing on the Keyboard

Splitting the Keyboard for Duet Play

Changing the Pitch in Semitone Steps (Transpose)

Fine Tuning a Pitch (Tuning)

Changing the Pitch in Octave Units (Octave Shift)

Using Auto Accompaniment

Selecting a Built-in Song for Playback

Using Chorus

Using Reverb

Linking with a Smart Device (APP Function)

- When the Digital Piano is being operated on battery power only, notes may sound distorted when performing or playing back a song at maximum volume. This is due to the difference between AC adaptor power and battery power, and does not indicate Digital Piano malfunction. If you notice distortion, switch to AC adaptor power or lower the volume level.

CDPS360-E-2A

CASIO®

Included and Optional Accessories

Use only accessories that are specified for use with this Digital Piano.
Use of unauthorized accessories creates the risk of fire, electric shock, and personal injury.

NOTE

- You can get information about accessories that are sold separately for this product from the CASIO catalog available from your retailer, and from the CASIO website at the URL below.
  https://support.casio.com/global/en/emi/manual/CDP-S360/

About Music Score data

You can download music score data as a PDF file from the CASIO website, which you can access using the URL below. You will then be able to view music scores on your smart device. You can jump from the PDF file table of contents directly to the music score you want, and you can print out scores as needed.
https://support.casio.com/global/en/emi/manual/CDP-S360/

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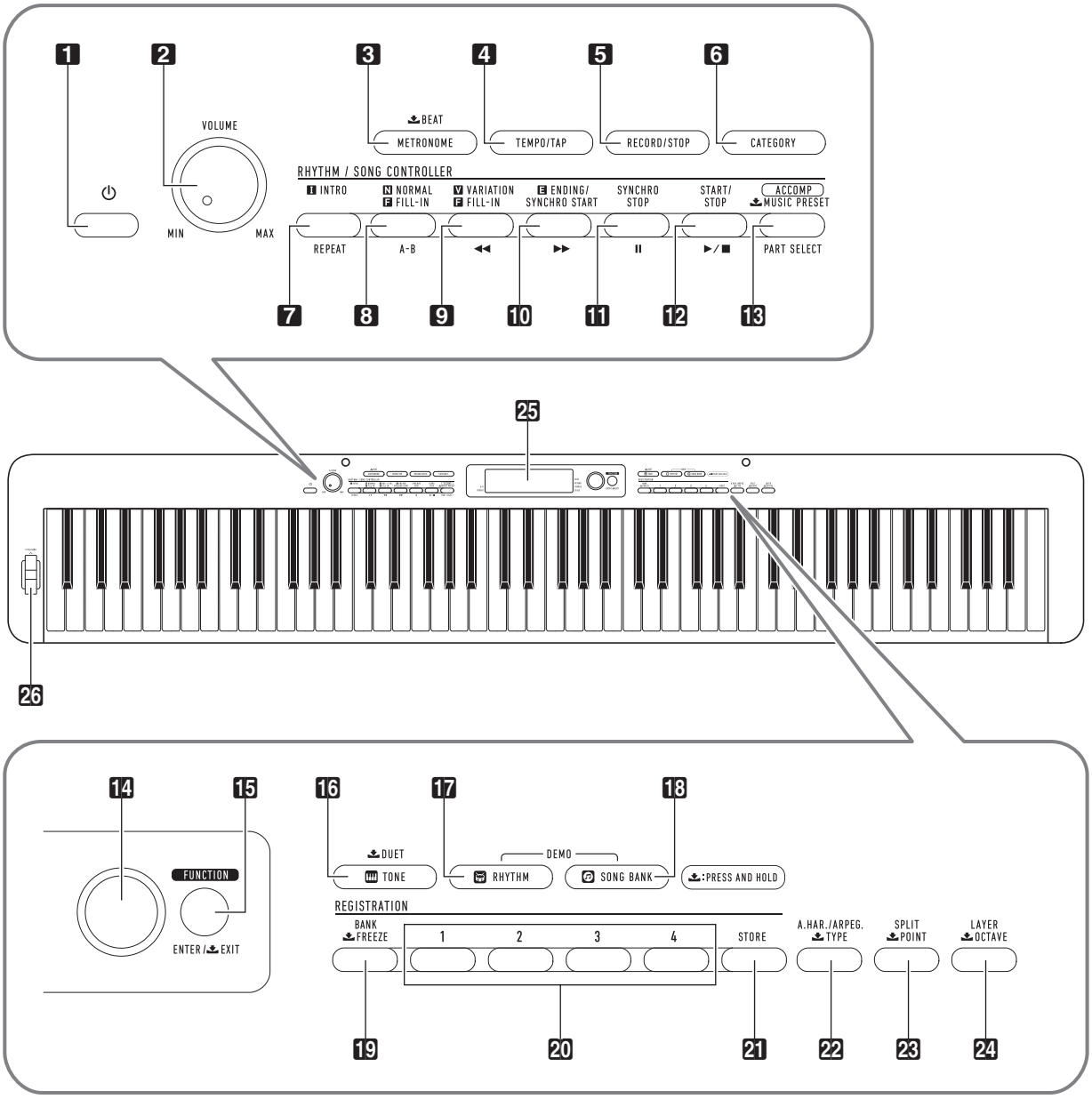
MIDI Implementation Chart

Overview and Setup

General Guide

■ Front Panel



- Some of the button names shown here include a ⬇ mark. This indicates that you need to long-press the button to perform its operation.

1 ⏻ (Power) button

2 **VOLUME** knob

3 **METRONOME**, **BEAT** button

4 **TEMPO/TAP** button

5 **RECORD/STOP** button

6 **CATEGORY** button

7 **INTRO**, **REPEAT** button

8 **NORMAL FILL-IN**, **A-B** button

9 **VARIATION FILL-IN**, ◀◀ button

10 **ENDING/SYNCHRO START**, ▶▶ button

11 **SYNCHRO STOP**, ❚❚ button

12 **START/STOP**, ▶/■ button

13 **[ACCOMP]**, **PART SELECT**, **MUSIC PRESET** button

14 dial

15 **FUNCTION**, **ENTER/ EXIT** button

16 **TONE**, **DUET** button

17 **RHYTHM** button

18 **SONG BANK** button

19 **BANK**, **FREEZE** button

20 Area **1** - Area **4** button

21 **STORE** button

22 **A.HAR./ARPEG.**, **TYPE** button

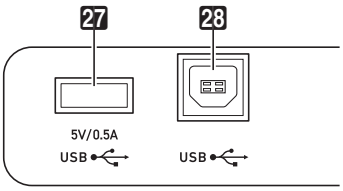
23 **SPLIT**, **POINT** button

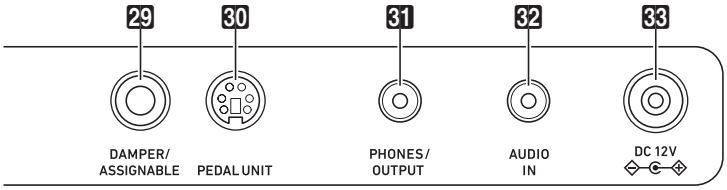
24 **LAYER**, **OCTAVE** button

25 Display

26 **PITCH BEND** wheel

■ **Back**





27 **USB** Type A port

28 **USB** Type B port

29 **DAMPER/ASSIGNABLE** jack

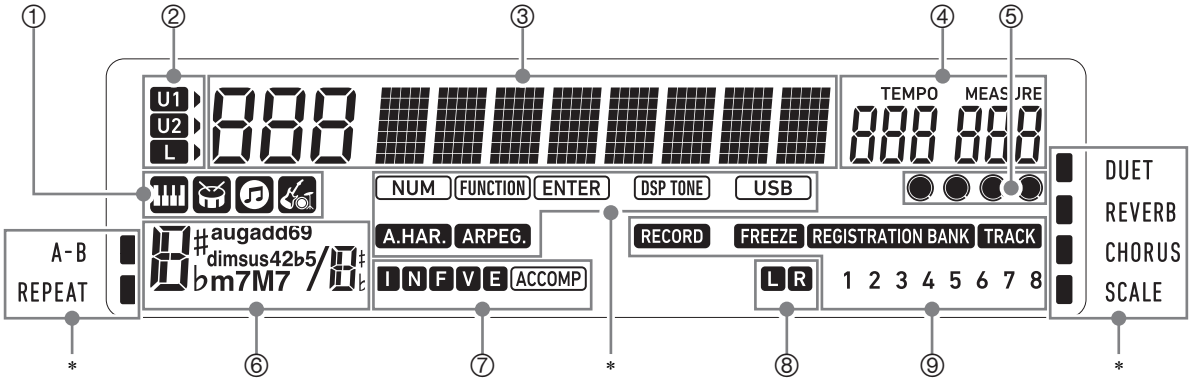
30 **PEDAL UNIT** jack

31 **PHONES/OUTPUT** jack

32 **AUDIO IN** jack

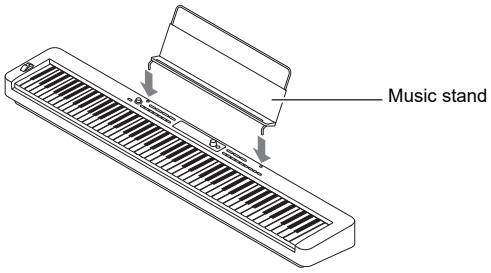
33 **DC 12V** terminal

Display



① Tone indicator
Rhythm indicator
Song Bank indicator
Music Preset indicator
② Keyboard part indicators
③ Number/setting value display (left), name display (right)
④ Tempo, measure
⑤ Beat
⑥ Chord name
⑦ Auto Accompaniment indicators
⑧ Playback part indicators
⑨ Registration indicators, record indicators
* Other indicators

Preparing the Music Stand



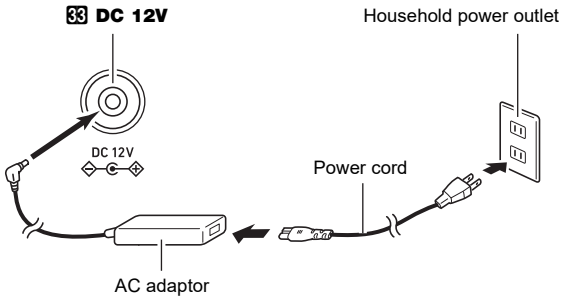
Preparing a Power Supply

Your Digital Piano uses an AC adaptor for power.
Though the Digital Piano supports battery operation, use of an AC adaptor is generally recommended.

Using the AC Adaptor

Make sure that you use only the AC adaptor specified for this Digital Piano. Use of a different type AC adaptor can cause smoking or malfunction.

Specified AC Adaptor: AD-A12150LW (JEITA Standard plug)



IMPORTANT!

- **Never connect the AC adaptor (JEITA Standard, with unified polarity plug) that comes with this Digital Piano to any other device besides this Digital Piano. Doing so creates the risk of malfunction.**
- **Be sure to turn off Digital Piano power before connecting or disconnecting the AC adaptor.**
- **The AC adaptor will become warm to the touch after very long use. This is normal and does not indicate malfunction.**
- **Note the important precautions below to avoid damage to the power cord.**

  During Use
  - Never pull on the cord with excessive force.
  - Never repeatedly pull on the cord.
  - Never twist the cord at the base of the plug or connector.

  During Movement
  - Before moving the Digital Piano, be sure to unplug the AC adaptor from the power outlet.

  During Storage
  - Loop and bundle the power cord, but never wind it around the AC adaptor.

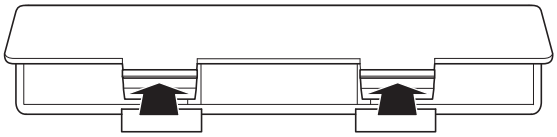
- **Never insert metal, pencils, or any other objects into the product's DC12V terminal. Doing so creates the risk of accident.**
- **Do not try to use the power cord that comes with the product with another device.**
- **Plug the AC adaptor into a power outlet that is close to the Digital Piano. This lets you immediately unplug from the power outlet should any problem occur.**
- **The AC adaptor is intended for indoor use only. Do not leave it in a location where it can become wet. Also, do not place a vase or any other container of liquid on the AC adaptor.**
- **Make sure that the AC adaptor does not become covered with a newspaper, table cloth, curtain, or any other type of fabric.**
- **If you do not plan to use the Digital Piano for a long time, unplug the AC adaptor from the power outlet.**
- **The AC adaptor cannot be repaired. If your AC adaptor malfunctions or becomes damaged, you need to purchase a new one.**
- **AC Adaptor Usage Environment**
  Temperature: 0 to 40°C
  Humidity: 10% to 90%RH
- **Output Polarity:**

Using Batteries

IMPORTANT!

- **Be sure to turn off power before loading batteries.**
- **It is up to you to prepare six commercially available alkaline batteries.**
- **Note the precautions below while the Digital Piano is turned upside down to load batteries.**
  - **Take care to avoid injury due to pinching your fingers under the Digital Piano.**
  - **Do not allow the Digital Piano to tip over or otherwise be subjected to strong impact. Impact can damage the volume knob and keyboard keys.**

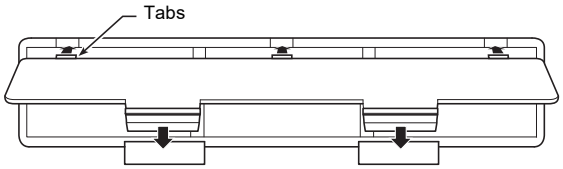
1. Open the battery cover on the bottom of the Digital Piano.



2. Load six AA-size batteries into the battery compartment.

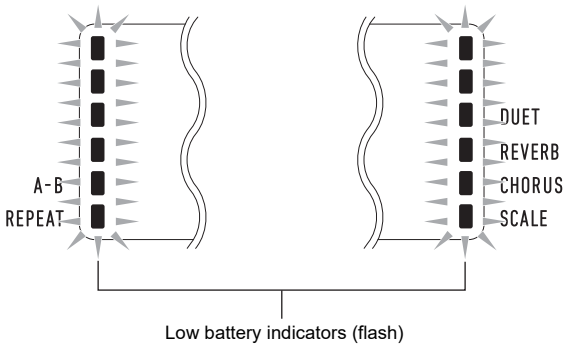
Make sure the positive ⊕ and negative ⊖ ends of the batteries are facing as marked on the Digital Piano.

3. Insert the tabs of the battery cover into the holes along the side of the battery compartment, and close the cover.



■ Low Battery Indication

The indicators shown below start to flash to let you know when battery power is low. Replace the batteries with new ones.

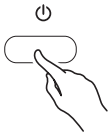


IMPORTANT!

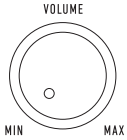
- **Using the Digital Piano while batteries are very low can cause it to turn off suddenly. This can cause data stored in Digital Piano memory to be corrupted or lost.**

Turning Power On or Off

1. Press the 1 ⏻ (Power) button to turn on Digital Piano power.



- Use **2 VOLUME** to adjust volume.



2. To turn off the Digital Piano, long-press the 1 ⏻ (Power) button.

The message "Bye" will appear on the display and then power will turn off.

IMPORTANT!

- **If you press 1 ⏻ (Power) only lightly, the display will light up momentarily but power will not turn on. This does not indicate malfunction. Press 1 ⏻ (Power) firmly and completely to turn on power.**
- **Turning off the Digital Piano causes most current settings to be cleared. The Digital Piano will revert to initial settings the next time you turn it on.**
- **Never try to perform any operation while the "Wait..." or "Bye" message is on the display. These messages indicate that an internal data save operation is being performed. Turning off the Digital Piano while either of these messages is displayed can cause its data to be deleted or become corrupted.**

NOTE

- Pressing 1 ⏻ (Power) to turn off power actually puts the Digital Piano into a standby state. Minute amounts of current continue to flow within the Digital Piano in the standby state. If you do not plan to use the Digital Piano for a long time or if there is a lightning storm in your area, be sure to unplug the AC adaptor from the power outlet.

Auto Power Off

If you do not perform any operation on the Digital Piano for about four hours under AC adaptor power or about six minutes under battery power, power will turn off automatically.

■ Disabling Auto Power Off

You can disable Auto Power Off to ensure that power is not turned off automatically during a concert, etc.
See function number 64 (AutoOff) in the "Function Setting Item List" (page EN-46).

Returning the Digital Piano to Its Factory Default Settings

Perform the procedure below when you want to return the Digital Piano's stored data and settings to their initial factory defaults.
See function number 67 (Factory) in the "Function Setting Item List" (page EN-46).

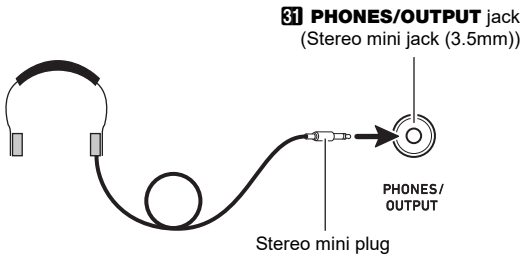
Operation Lock

Operation lock can be used to prevent operational errors during performances by disabling button operations. For details, see "Using Operation Lock" (page EN-48).

Using Headphones

Using headphones cuts off output from the built-in speakers, which means you can practice playing even late at night without disturbing others.

- Be sure to turn down the volume level before connecting headphones.



NOTE

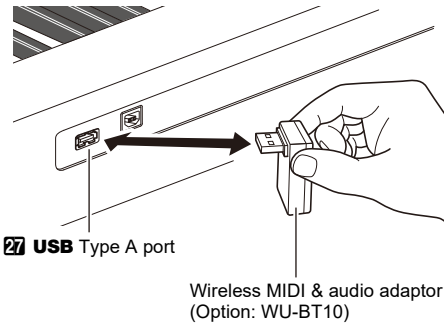
- Headphones do not come with the Digital Piano.
- Use commercially available headphones. See page EN-1 for information about options.

IMPORTANT!

- **Do not listen to very high volume output over headphones for long period. Doing so creates the risk of hearing damage.**
- **If you are using headphones that require an adaptor plug, make sure you do not leave the adaptor plugged in when you unplug the headphones. If you do, nothing will sound from the speakers when you play.**

Connecting the Wireless MIDI & audio adaptor (Option)

To pair this product with a Bluetooth® wireless technology-capable external device, you need to plug the Wireless MIDI & audio adaptor into the Digital Piano's 27 **USB** Type A port.



IMPORTANT!

- **Turn off the Digital Piano before disconnecting the Wireless MIDI & audio adaptor.**

NOTE

- The Wireless MIDI & audio adaptor does not come with this Digital Piano.
- When connecting with a Bluetooth capable external device, refer to "Sounding a Bluetooth Audio Capable Device (Bluetooth Audio Pairing)" (page EN-58).
- The Wireless MIDI & audio adaptor may not be sold in certain countries or geographic areas.

Adjusting Display Contrast

1. Press 15 FUNCTION and then use the 14 dial to display "Other".

Other

2. Press 15 ENTER.

3. Use the 14 dial to display "Contrast".

Contrast

4. Press 15 ENTER.

This displays the NUM indicator.

5. Use the 14 dial to adjust display contrast.

- The contrast setting range is 01 to 17.

6. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

7. To exit the setting screen, press 16 TONE.

Listening to Demo Play

1. Press 17 RHYTHM and 18 SONG BANK at the same time.

This causes (song bank indicator) and (rhythm indicator) to flash on the display and starts playing of the demo song. After demo song playback is complete, demo play will continue with Song Bank songs.

- During demo play, you can use the 14 dial to jump to the beginning of the previous or next song. See the separate "Built-in Music Data Lists" for a list of Song Bank titles.
- Demo play will repeat until you perform the operation in step 2 below.

2. To stop demo play, press 12 ▶/■ or 17 RHYTHM and 18 SONG BANK at the same time.

NOTE

- If Auto Power Off (page EN-9) is enabled, power will turn off automatically at the applicable trigger time after a period of non-use, even if demo play is being performed. You can disable Auto Power Off, if you want. Use the operation under "Configuring Function Settings" (page EN-45) to disable function number 64 (AutoOff) in the "Function Setting Item List" (page EN-46).

Operations Common to All Modes

IMPORTANT!

- **Unless otherwise specifically noted, all of the procedures in this manual assume that the Digital Piano is in its initial power on state (immediately after you turn on power). If you run into problems with a procedure, turn Digital Piano power off and back on, and then try performing the procedure again.**
- **Note that turning off Digital Piano power during a procedure causes any pending unsaved data to be deleted.**

Categories

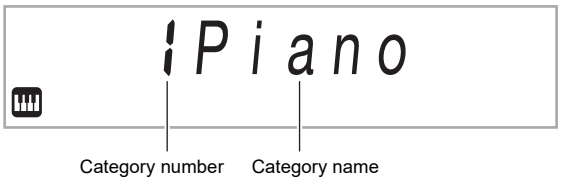
The tones, rhythms, song bank songs, and music presets of this Digital Piano are grouped into categories to make setting option selection easier. When configuring settings, you can first select a category and then select a setting option in that category.

■ To navigate between categories

1. Press 6 CATEGORY.

This causes one of the following mode indicators to flash on the display: (tone), (rhythm), (song bank), (music preset).

- Each press of **6 CATEGORY** selects the next sequential category.



- After pressing **6 CATEGORY**, you can also scroll forward and back between category names using the 14 dial.
- If you do not perform any operation for a while after displaying a category, the display will automatically exit the category screen.

2. To exit the category screen, press 15 FUNCTION.

NOTE

- For categories available in each mode, refer to the Category column in the lists below.
  - Tone list, rhythm list, song bank list, and music preset list in the separate "Built-in Music Data Lists"
- To scroll forward or back from the current category to the first item of previous or following categories (without displaying the category names), hold down **6 CATEGORY** as you rotate the 14 dial.

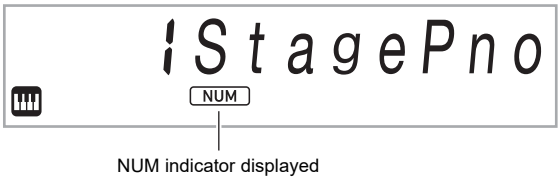
Dial Operations

Use the 14 dial to change a number (tone number, etc.) or value (tempo value, etc.), and to select menu items. You can determine what operation you can perform with the 14 dial by checking the NUM indicator on the display.

■ To change a value or number (NUM indicator displayed)

While the NUM indicator is displayed, the 14 dial can be used to change a number or value.

Example: Tone number selection screen



Example Operations

"To select an instrument for playing" (page EN-14)
"To adjust the tempo (beats per minute) value" (page EN-19)

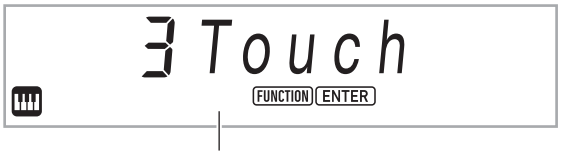
NOTE

- If a dial operation causes the value being changed to reach its initial default (or recommended) value, the NUM indicator will blink once to let you know.

■ To select a menu item (NUM indicator not displayed)

If a menu appears while you are configuring a setting and the NUM indicator is not displayed, you can use the 14 dial to select the menu item you want.

Example: Function setting screen



NUM indicator not displayed

Example Operations

"To configure function settings" (page EN-45)
"To configure precount and metronome settings" (page EN-43)

Text Character Input

Use the procedure below when you need to change the name of data saved on a USB flash drive or to input other text.

■ To insert a character

1. Use the 14 dial to move the cursor to the position where you want to insert a character.

2. Press 20 Area 2.

This inserts "A" at the cursor position and displays the NUM indicator.

- At this time you can change the "A" to a different character if you want. To do so, perform the procedure under "To change a character" from step 2.

■ To change a character

1. Use the 14 dial to move the cursor to the position of the character you want to change, and then press 15 ENTER.

This displays the NUM indicator.

2. Use the 14 dial to change the currently selected character.

3. After the character is the way you want, press (or long-press) 15 ENTER to apply the change.

This causes the NUM indicator to disappear.

- Input of the characters shown in the table below is supported when saving a file to a USB flash drive.

	!	#	$	%	&	'	(	)	+	,	–	.
0	1	2	3	4	5	6	7	8	9	;	=	@
A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
[	]	^	_	`	a	b	c	d	e	f	g	h
i	j	k	l	m	n	o	p	q	r	s	t	u
v	w	x	y	z	{	}	~					

- If you input a similarity symbol (~), it will be displayed as a right arrow (→).
- If you use this procedure to edit the file name of a file on a FAT32 formatted USB flash drive, you will not be able to input some of the characters shown above.

■ To delete a character

1. Use the 14 dial to move the cursor to the position of the character you want to delete.

2. Press 20 Area 1.

■ To save edited text

1. Press 21 STORE.

FUNCTION Indicator

The FUNCTION indicator is either flashing or not flashing when you perform a Digital Piano function setting (page EN-45) or other special setting operation. The meanings of the text that appears along with a non-flashing or flashing FUNCTION indicator are described below.

Indicator	Indicates this:
Not flashing	Item name*
Flashing	Setting of the displayed setting item

* Only while a setting that is a function setting is displayed.

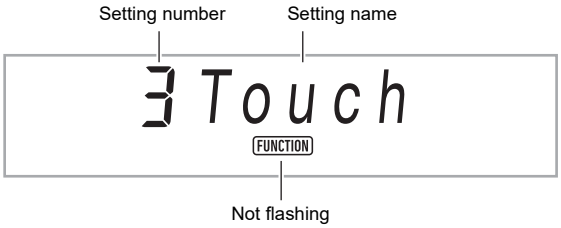
An example of what the FUNCTION indicator indicates is shown below.

Example: To configure the Touch Response setting

1. Press 15 FUNCTION.

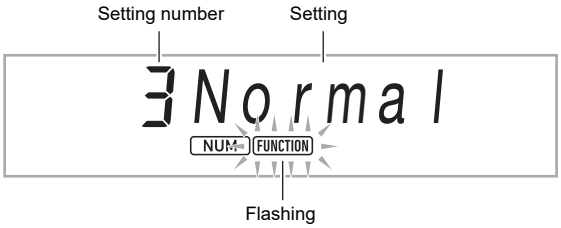
This displays "Touch".

- "Touch" is a setting name, so the FUNCTION indicator is not flashing.



2. Press 15 ENTER.

This causes "Touch" to change to "Normal" (the initial default Touch Response setting). Since "Normal" is a setting option, the FUNCTION indicator flashes.



3. To return to the setting name display, press 15 FUNCTION.

This causes the FUNCTION indicator to stop flashing.

4. To exit the setting screen, press 16 TONE.

This causes the FUNCTION indicator to disappear.

Playing on the Keyboard

Your Digital Piano lets you select tones for a wide variety of musical instrument sounds, including violin, flute, orchestra, and more. Even the same song sound takes on a different feel by changing the instrument type.

■ To select an instrument for playing

1. Press 16 TONE.

This displays (tone indicator).

2. Use the 14 dial to select the tone number you want.

- For information about how to jump between tone categories, see "To navigate between categories" (page EN-12).

NOTE

- See the separate "Built-in Music Data Lists" for a complete list of available tones.
- When one of the drum sets is selected, each keyboard key is assigned a different percussion sound.

3. Try playing something on the keyboard.

The tone of the instrument you selected will sound.

■ DSP Tones

The Digital Piano has a number of "DSP tones", which are tones with special effects. The DSP TONE indicator is displayed while a DSP tone is selected.

■ Guitar Tones

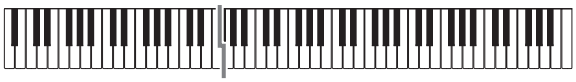
The built-in guitar tones of this Digital Piano include strum noise and other sound effects that are applied in accordance with the pitch (note number) and/or intensity (velocity) of the notes being played.

■ Versatile Tones

The Digital Piano's built-in tones include "versatile tones" (three guitar tones, two bass tones, and two brass tones) that can be used for creating computer music. Versatile tones assign performance sounds that are characteristic of a particular musical instrument (such as a guitar glissando, fret noise, etc.) to each keyboard key (note) and velocity. For information about the sounds assigned for each versatile tone and velocity, see "Versatile Tone Map" (page EN-66).

Layering and Splitting Tones

You can configure the keyboard to play two different tones at the same time (Layer) or to play different tones in the left and right ranges (Split). You can even use Layer and Split in combination with each other and play three different tones at the same time.
The Upper1 part is used alone when playing an individual tone on the keyboard. When layering two tones, the Upper1 part and Upper2 part are used. When splitting the keyboard between two tones, the low range of the keyboard plays the Lower part.



Lower	Upper1
	Upper2

■ Keyboard part indicators

Keyboard part indicators show the current split and layer status of the keyboard. The displayed indicator shows which keyboard part will sound.

U1 ▶ — U1 (Upper1) indicator
U2 — U2 (Upper2) indicator
L — L (Lower) indicator

While (tone indicator) is displayed, an arrow mark (▶) will appear to the right of one of the part indicators. Performing a tone change operation will change the tone of the part where the arrow mark (▶) is located.

NOTE

- Changing the tone setting affects the Upper2 part when Layer is turned on, and the Lower part when Split is turned on.
- If you have split and/or layer enabled, assigning DSP tones to multiple parts (page EN-14) can affect the sound quality of the Upper2 part and/or Lower part. For example if layer is enabled and you assign DSP tones to the Upper1 part and the Upper2 part, the Upper2 part effect is eliminated, which affects tone quality.

■ To layer two tones

NOTE

- Check to make sure that the U2 (Upper2) and L (Lower) indicators are not shown on the display before starting this procedure. If either indicator is displayed, press 24 **LAYER** and/or 23 **SPLIT** so they are not displayed.

1. Press 16 TONE.

- Confirm that the arrow mark (▶) is to the right of the U1 (Upper1) indicator.

2. Use the 14 dial to select a tone for the Upper1 part.

Example: 32 ELEC.PIANO 1

3. Press 24 LAYER.

This displays the U2 (Upper2) indicator, with the arrow mark (▶) to the right.

4. Use the 14 dial to select a tone for the Upper2 part.

Example: 226 STRINGS

5. Play something on the keyboard.

Both tones sound at the same time.

- Pressing 24 **LAYER** again will turn layer off.

■ To split the keyboard between two different tones

1. Select the tone for the Upper1 part (page EN-14).

- Press 16 **TONE** and then use the 14 dial to select the tone you want.

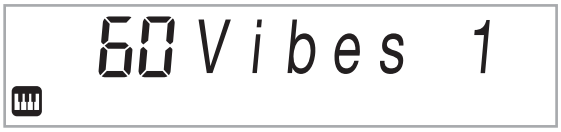
Example: 312 FLUTE 1

2. Press 23 SPLIT.

This displays the L (Lower) indicator, with the arrow mark (▶) to the right.

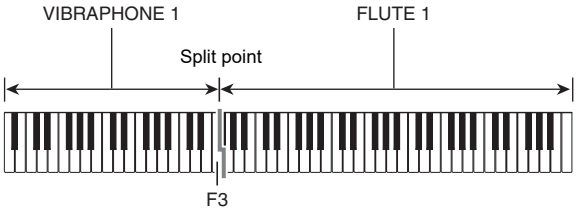
3. Use the 14 dial to select the Lower part tone you want.

Example: 60 VIBRAPHONE 1



4. Play something on the keyboard.

This will sound the tones assigned to the left and right side ranges of the keyboard.



- Pressing 23 **SPLIT** again will turn split off.

NOTE

- If you turn on both layer and split, layering will be applied to the right side range of the keyboard only.

■ To change the split point

1. Keep 23 SPLIT depressed until you finish step 2 of this procedure.

This will cause the key name at the currently set split point to appear on the display.

2. Press the keyboard key where you want the split point to be.

The key you press will become the lowest note of the Upper1 part of the split keyboard.

Example: Setting middle C (C4) as the split point.

3. Release 23 SPLIT.

NOTE

- You can also use 15 **FUNCTION** to specify the split point. See function number 20 (Split Pt) in the "Function Setting Item List" (page EN-46).

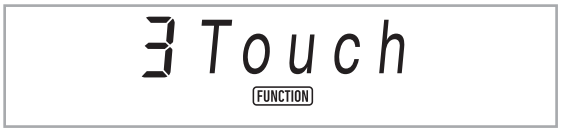
Changing Keyboard Response to Touch Pressure (Touch Response)

Touch Response alters tone volume in accordance with keyboard pressure (speed). This provides you some of the same expressivity you get on an acoustic piano.

■ To change touch response sensitivity

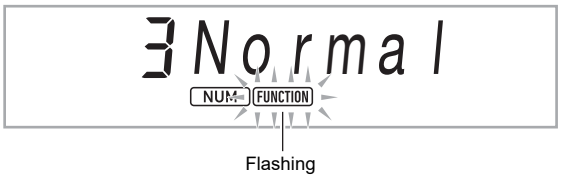
1. Press 15 FUNCTION.

This displays the “Touch” setting name along with the FUNCTION indicator.



2. Press 15 ENTER.

This displays the current touch response setting (Off, Light, Normal, or Heavy), and causes the FUNCTION indicator to flash.
The NUM indicator is also displayed.



Setting Number	Parameter (Display)	Description
1	Off (Off)	Touch Response is turned off. Sound volume is fixed, regardless of key press speed.
2	Light (Light)	Strong sound, even with light pressure
3	Normal (Normal)	Normal Touch Response
4	Heavy (Heavy)	Normal sound, even with strong pressure

3. Use the 14 dial to change the setting.

4. Press 15 ENTER to apply the displayed setting.

This causes the NUM indicator to disappear.

5. To exit the setting screen, press 16 TONE.

Using Reverb

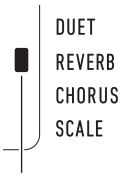
1. Press 15 FUNCTION and then use the 14 dial to display “Reverb”.

2. Press 15 ENTER.

This displays the NUM indicator.

3. Use the 14 dial to select the reverb setting you want.

Setting Number	Parameter
1	Off
2 - 4	Room 1 - 3
5 - 6	LargeRm1 - 2
7 - 9	Hall 1 - 3
10 - 11	Stadium1 - 2



Displayed when the reverb type setting is anything other than “Off”.

4. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

5. To exit the setting screen, press 16 TONE.

Using Chorus

Chorus is a function that adds depth and breadth to notes.

1. Press 15 FUNCTION and then use the 14 dial to display "Chorus".

Chorus

2. Press 15 ENTER.

This displays the NUM indicator.

3. Use the 14 dial to select the chorus type you want.

Setting Number	Parameter
1	Tone
2	LightCho
3	Chorus
4	Deep Cho
5	Flanger

Displayed when the chorus type setting is anything other than "Tone".

- If you select Setting Number 1 (Tone), appropriate chorus settings are assigned to each tone.
- The actual effect produced by chorus depends on the tone you are using.

4. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

5. To exit the setting screen, press 16 TONE.

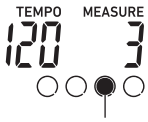
Using the Metronome

The metronome lets you play and practice along with a steady beat to help keep you on tempo.

■ To start or stop the metronome

1. Press 3 METRONOME.

This starts the metronome.



This indicator moves with each beat.

2. Press 3 METRONOME again to stop the metronome.

■ To change the beats per measure

1. Hold down 3 METRONOME until the message "Beat" appears on the display.

2. Use the 14 dial to select a beat setting.

- You can configure the metronome to use a bell sound for the first beat of each measure of the song you are playing.
- You can specify a value from 0 to 9 as the number of beats per measure.
- The bell will not sound if you specify 0 for this setting. This setting lets you practice with a steady beat, without worrying how many beats there are in each measure.

3. To exit the setting screen, press 15 ENTER.

NOTE

- You can also use the 15 **FUNCTION** button to configure settings. See function number 43 (Beat) in the "Function Setting Item List" (page EN-46).

■ To change the metronome sound volume

See function number 44 (Volume) in the "Function Setting Item List" (page EN-46).

Changing the Tempo Setting

There are two ways to change the tempo (beats per minute) setting: using buttons to change the tempo value and tapping a beat on a button.

■ To adjust the tempo (beats per minute) value

1. Press 4 TEMPO/TAP to make "TEMPO" appear on the display.

2. Use the 14 dial to change the tempo value.

- You can specify a tempo value in the range of 20 to 255.
- You can set the currently selected song, or rhythm and music preset to the recommended tempo by long pressing **4 TEMPO/TAP**.

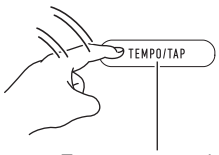
3. To exit the setting screen, press 15 ENTER.

- If you do not perform any operation for a while after changing the tempo value, the display will automatically exit the setting screen.

■ To adjust the tempo by tapping a beat (tap input)

1. Tap the 4 TEMPO/TAP button a number of times at the tempo you want to set.

- The tempo setting will change in accordance with your tapping.



Tap two or more times.

- After you use this method to specify the approximate tempo, you can then use the procedure under "To adjust the tempo (beats per minute) value" to adjust the setting to a more exact value.

Using the Arpeggiator

With the arpeggiator, you can play various arpeggios and other phrases automatically by simply pressing keys on the keyboard. You can select from a number of different arpeggio options, including playing arpeggios from a chord, playing various phrases automatically, and more.

- A single button is used to control the arpeggiator and auto harmonize (page EN-36). Because of this, auto harmonize cannot be used while the arpeggiator is in use.

■ To turn on the arpeggiator

1. Press 22 A.HAR./ARPEG. and confirm that the ARPEG. indicator is displayed.

ARPEG.

Displayed

- Playing a chord or single note on the keyboard will play back the currently selected arpeggio.

2. To turn the arpeggiator off, press 22 A.HAR./ARPEG..

This causes the ARPEG. indicator to disappear.

IMPORTANT!

- **If the A.HAR. indicator is displayed instead of ARPEG. in step 1 of the above procedure, you will need to change the function assigned to the button.**
  Use the operation under "Configuring Function Settings" (page EN-45) to select "2 Arpeg." for function number 12 (BtnAsign) in the "Function Setting Item List" (page EN-46).

NOTE

- Use the procedure below when you want an arpeggio pattern to keep playing after you release the keyboard keys.
  Use the operation under "Configuring Function Settings" (page EN-45) to enable function number 15 (ArpegHld) in the "Function Setting Item List" (page EN-46).

■ To select an arpeggiator type

1. Perform the procedure under "To turn on the arpeggiator" (page EN-19) and confirm that the ARPEG. indicator is displayed.

2. Long-press 22 A.HAR./ARPEG. until the FUNCTION indicator flashes on the display.

This displays the currently selected arpeggiator type number and name. The NUM indicator is also displayed.

3. Use the 14 dial to display the arpeggiator type you want to select.

- While the arpeggiator type is displayed, long-pressing 22 **A.HAR./ARPEG.** will select the tone that is recommended for the displayed type.
- For details about arpeggiator types, refer to the separate "Built-in Music Data Lists".

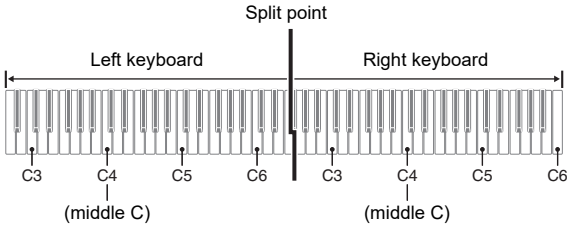
4. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

Splitting the Keyboard for Duet Play

You can split the keyboard in the center for duet play so the left and right sides have the same ranges.
The Duet Mode is the perfect way to conduct lessons, with the teacher playing on the left side as the student plays the same song on the right side.

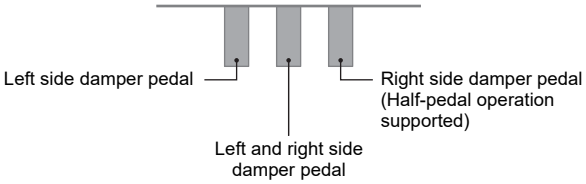
Keyboard



Pedal Operation when Playing a Duet

● Optional SP-34 Pedal Unit

The left pedal operates as the left side damper pedal, while the right pedal is the right side damper pedal.



NOTE

- Only the damper pedal for the right side keyboard supports half-pedal operations.

● Supplied SP-3 Pedal Unit

To use the SP-3 Pedal Unit as the right keyboard damper pedal, connect it to the 29 **DAMPER/ASSIGNABLE** jack. In the Duet Mode, this pedal functions as a damper pedal for the right side keyboard, regardless of the effect type assigned to it with the procedure under "To select the pedal effect" (page EN-22).

- Half-pedal operation is not supported in this case.

To play a duet

1. Long-press 16 TONE until an indicator mark (▮) appears next to "DUET" on the right side of the display.

- This indicates the Duet Mode.

Duet Mode indicator

2. Select a tone and perform the song you want.

- The left-side and right-side keyboard ranges are assigned the same tone (Upper1 part tone).

3. To exit the Duet Mode, long-press 16 TONE until the indicator mark (▮) next to "DUET" disappears.

- Each time you long-press 16 TONE, the Digital Piano will enter or exit the Duet Mode.

NOTE

- Entering the Duet Mode automatically disables layer (page EN-15) and split (page EN-16).
- You can configure the piano to output the left side keyboard tone from the left speaker and the right side keyboard tone from the right speaker while duet is turned on. Use the operation under "Configuring Function Settings" (page EN-45) to enable function number 6 (Duet Pan) in the "Function Setting Item List" (page EN-46).

Changing the Octaves of the Duet Keyboards

You can change the ranges of the left and right keyboards in octave units from their initial default settings. This comes in handy, for example, if the initial default range is not enough when one person is playing the left hand part and another person is playing the right hand part.

1. Press 15 FUNCTION.

2. Use the 14 dial to display the "Duet" setting name, and then press 15 ENTER.

3. Use the 14 dial to display "U Oct." (right-side keyboard) or "L Oct." (left-side keyboard) and then press 15 ENTER.

This displays the NUM indicator.

4. Use the 14 dial to change the setting.

- You can specify the right-side keyboard octave while "U Oct." is displayed, and the left-side keyboard octave while "L Oct." is displayed.
- Increasing the setting value by one raises by one octave, while lowering the value by one lowers by one octave. The initial default for both settings is 0.

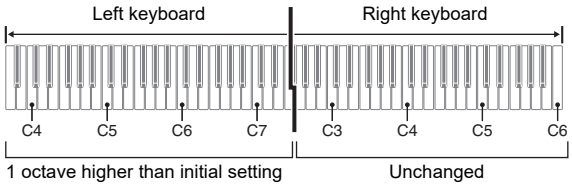
5. Press 15 ENTER to apply the displayed setting.

This causes the NUM indicator to disappear.

6. Repeat steps 3 through 5 of this procedure as required to specify settings for both keyboards.

Example

Specifying 0 for "U Oct." and 1 for "L Oct." results in the keyboard octaves shown below.



7. To exit the setting screen, press 16 TONE.

NOTE

- The octave settings you configure with the procedure above are retained even when you exit the Duet Mode.

Adjusting the volume of the keyboard

Adjusts the volume of keyboard play relative to the overall volume level within the range of 0 (muted) to 127 (maximum).

1. Press 15 FUNCTION and then use the 14 dial to display "KeybdVol".

KeybdVol

2. Press 15 ENTER.

This displays the NUM indicator.

3. Use the 14 dial to change the setting.

- You can set the volume within the range of 0 to 127.

4. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

5. To exit the setting screen, press 16 TONE.

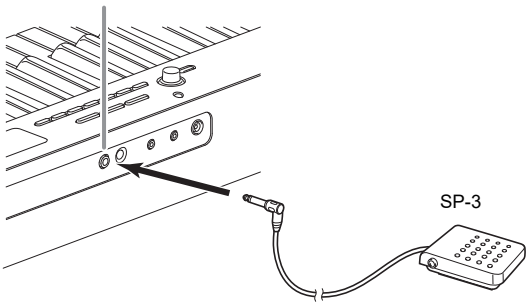
Controlling Sounds

Using a Pedal

Connect the supplied pedal (SP-3) to the 29 **DAMPER/ ASSIGNABLE** jack.

Back

29 **DAMPER/ASSIGNABLE** jack (Standard jack (6.3mm))



■ To select the pedal effect

1. Press 15 FUNCTION and then use the 14 dial to display "Cntrller".

Cntrller

2. Press 15 ENTER.

Pedal

3. Press 15 ENTER again.

This displays the NUM indicator.

4. Use the 14 dial to select a pedal effect type.

- Available pedal effects are shown in the table below.

Setting Number	Parameter (Display)	Description
1	Sustain (Sustain)	Sustains notes played while the pedal is depressed, even if the keyboard key is subsequently released. Organ and other tones that are sustained as long as keyboard key are depressed continue to sound as long as the pedal is depressed.
2	Sostenuto (Sostenut)	Only the notes of the keys that are depressed when the pedal is pressed are sustained, even if the keyboard keys are released, until the pedal is released.
3	Soft (Soft)	Slightly lowers and softens notes played while the pedal is depressed.
4	Rhythm/Song (Rhy/Song)	Pressing the pedal starts and stops Auto Accompaniment or song playback.

PEDAL UNIT Jack

You can connect the optionally available 3-Pedal Unit (SP-34) to the 30 **PEDAL UNIT** jack on the back of the Digital Piano. You can then use the pedals for expression that is similar to that available on an acoustic piano.

SP-34 Pedal Functions

● Damper Pedal

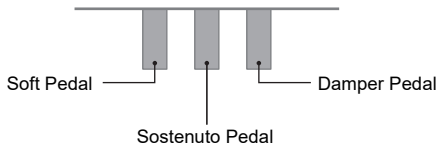
Pressing the damper pedal while playing will cause the notes you play to reverberate. The SP-34 pedal also supports half-pedal operation, so pressing the pedal part way applies only a partial damper effect.

● Soft Pedal

Pressing this pedal suppresses notes played on the keyboard after the pedal was pressed, and makes them sound softer.

● Sostenuto Pedal

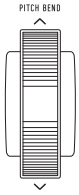
Only the notes of the keys that are depressed when this pedal is pressed are sustained, even if the keyboard keys are released, until the pedal is released.



Using the Pitch Bend Wheel

You can use the pitch bend wheel to slide the pitch of notes smoothly upwards and downwards. This capability makes it possible to reproduce saxophone and electric guitar choking effects.

1. While playing a note on the keyboard, rotate the 26 PITCH BEND wheel on the left of the keyboard upwards or downwards.



The amount the note bends depends on how much you rotate the pitch bend wheel.

- Do not touch the wheel as you turn on the keyboard.

NOTE

- You also can configure pitch bend wheel operation by specifying the amount of pitch change at maximum rotation in either direction. See function number 10 (Bend Rng) in the "Function Setting Item List" (page EN-46).

Changing the Pitch in Semitone Steps (Transpose)

The transpose feature lets you raise or lower the overall pitch of the Digital Piano in semitone steps.
You can use this feature to raise or lower the keyboard key and to play a piece in a key that is more comfortable for you, or to adjust to a key that better matches a vocalist, etc.

1. Press 15 FUNCTION, and then use the 14 dial to display the "Trans." setting name.

Trans.

2. Press 15 ENTER.

This displays the NUM indicator.

3. Use the 14 dial to change the setting.

- You can change the pitch of the keyboard within the range of –12 to 0 to +12 semitones.

4. Press 15 ENTER to apply the displayed setting.

This causes the NUM indicator to disappear.

5. To exit the setting screen, press 16 TONE.

Fine Tuning a Pitch (Tuning)

Use the tuning feature when you need to adjust the pitch slightly to play along with another musical instrument. Also, some artists perform their music with slightly altered tuning.

- The tuning feature specifies the frequency of the A4 note. You can set a frequency within the range of 415.5 to 465.9 Hz. The initial default setting is 440.0 Hz.
- You can change the frequency in 0.1 Hz steps.

1. Press 15 FUNCTION and then use the 14 dial to display "Tune".

Tune

2. Press 15 ENTER.

This displays the NUM indicator.

3. Use the 14 dial to adjust tuning.

440.0Hz

4. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

5. To exit the setting screen, press 16 TONE.

Changing the Pitch in Octave Units (Octave Shift)

Octave Shift lets you raise or lower the pitch of the keyboard notes of each part (page EN-15) in octave units.

- The octave shift setting range is –2 to +2 octaves.

1. Keep pressing 24 LAYER until the screen shown below appears on the display.

0 U1 Oct.

2. Use the 14 dial to select the part whose pitch you want to change.

To select this tone part:	Displays this indicator:
Upper1 part	U1 Oct.
Upper2 part	U2 Oct.
Lower part	L Oct.

3. Press 15 ENTER.

This displays the NUM indicator.

4. Use the 14 dial to shift the octave.

2 U2 Oct.

5. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

6. To exit the setting screen, press 16 TONE.

NOTE

- This Octave Shift setting changes automatically when some tones are selected. For details, see the "Key Octave Shift" column of the tone list in the separate "Built-in Music Data Lists".

Changing the Scale Tuning (Temperament) of the Keyboard

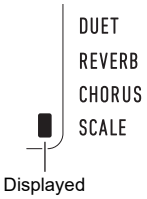
You can use the procedure below to select from among 17 preset scales, including the standard Equal Temperament.

■ Scale List

No.	Scale name	Display
1	Equal Temperament	Equal
2	Pure Major	PureMajr
3	Pure Minor	PureMinr
4	Pythagorean	Pythagor
5	Kirnberger 3	Kirnbrg3
6	Werckmeister	Wercmeis
7	Mean-Tone	MeanTone
8	Rast	Rast
9	Bayati	Bayati
10	Hijaz	Hijaz
11	Saba	Saba
12	Dashti	Dashti
13	Chahargah	Chaharga
14	Segah	Segah
15	Gurjari Todi	GujrTodi
16	Chandrakauns	Cndrkuns
17	Charukeshi	Carukesi

NOTE

- Changing to a scale other than equal temperament causes a mark (▮) to appear next to "SCALE" on the right side of the display.



■ To change the scale

1. Press 15 FUNCTION and then use the 14 dial to display "Scale".

Scale

2. Press 15 ENTER.

Type

3. Press 15 ENTER again.

This displays the NUM indicator.

4. Use the 14 dial to select a scale setting.

- For information about the scale names that correspond to the names that appear on the display, see "Scale List" (page EN-25).

5. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

6. Use the 14 dial to display "BaseNote".

BaseNote

7. Press 15 ENTER.

This displays the NUM indicator.

8. Use the 14 dial to select a root setting.

9. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

10. To exit the setting screen, press 16 TONE.

■ **To use the current scale notes for Auto Accompaniments**

1. Press 15 FUNCTION and then use the 14 dial to display "Scale".

Scale

2. Press 15 ENTER.

3. Use the 14 dial to display "AcompScl".

AcompScl

4. Press 15 ENTER to enable the accompaniment scale.

- Each press of 15 **ENTER** toggles the setting between enabled and disabled.

5. To exit the setting screen, press 16 TONE.

Playing a Built-in Song or a Song on a USB Flash Drive

Selecting a Built-in Song for Playback

Your Digital Piano comes with 152 built-in songs. You can use built-in songs for listening enjoyment, or you can mute the part of one hand of the piano part and play along for practice. You can also connect a USB flash drive to the Digital Piano and use the same operations as those for built-in songs to play MIDI files (SMF or CMF).

NOTE

- In addition to built-in songs, you can also use the procedure below to play back songs recorded on the Digital Piano. For information about the how to record, see "Recording Your Keyboard Play" (page EN-40).

■ **To select a single built-in song for playback**

1. Press 18 SONG BANK.

This displays ♫ (song bank indicator) and enters the Song Bank Mode.

1 Twinkle

Song number Song name

2. Use the 14 dial to select a song number (from 1 to 152).

This will automatically configure Digital Piano settings to match the song you select.

- For information about how to jump between song categories, see "To navigate between categories" (page EN-12).
- See the separate "Built-in Music Data Lists" for a list of Song Bank titles.

■ **Built-in Song EXERCISE**

Songs 103 through 152 are for finger training. You can use these songs to help stimulate brain activity.

NOTE

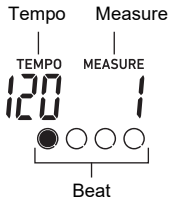
- Note that the level of brain stimulation differs from person to person.
- This product is not a medical device.

NOTE

- This operation automatically changes the beat setting of the metronome (page EN-18) to the beat of the selected song. Even if the beat of a song is outside the allowable setting range of the metronome, it is still applied as the metronome setting.
- Selecting some songs will initially cause "Lod" to be displayed for TEMPO (see the illustration under step 3). This indicates that data is being loaded.

3. Press 12 ▶/■.

- This starts song playback. The playback tempo, current measure, and current beat are shown in the upper right corner of the display.



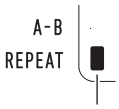
- The operations below are supported during song playback.

To perform this operation:	Do this:
Stop a song part way through.	Press 12 ▶/■.
Pause or unpause a song.	Press 11 ❚❚.
Change the song playback speed.	See "Changing the Tempo Setting" (page EN-19)
Jump to the beginning of the next measure.	Press 10 ▶▶.
Fast forward the song	Hold down 10 ▶▶.
Jump to the beginning of the previous measure.	Press 9 ◀◀.
Fast reverse the song	Hold down 9 ◀◀.

- While a song is playing back, you can play along on the keyboard using the tone (including split and layer tones) that was selected before song playback was started.

4. To stop song playback, press 12 ▶/■.

- The song plays in a continuous loop (repeat on) until you press 12 ▶/■. To turn off repeat, press 7 **REPEAT** and confirm that there is no indicator mark next to REPEAT.



Indicator disappears when repeat is turned off.

■ To select a tone for keyboard play along with song playback

1. While ♫ (song bank indicator) is displayed, press 16 TONE.

This displays 🎹 (tone indicator).

2. Use the 14 dial to select the number of the tone you want to assign to keyboard play.

- While 🎹 is displayed, you can perform the split and/or layer tone selection operation. For more information, see "Playing on the Keyboard" (page EN-14).

NOTE

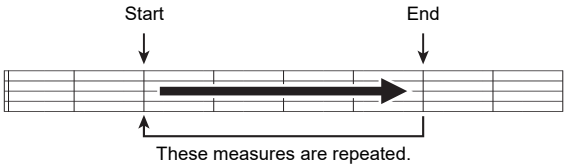
- To change a tone number you selected using the procedure above, press 18 **SONG BANK**. This causes 🎹 to disappear, leaving only ♫ displayed.

■ To adjust the balance between song and keyboard volume

See function number 23 (Song Vol) in the "Function Setting Item List" (page EN-46).

Looping Playback of Specific Song Measures (A-B Repeat)

To loop a range of measures in a song, you need to specify the start measure and end measure of the section you want to repeat.



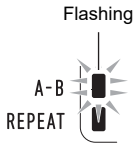
■ To loop a specific phrase

1. If there is no indicator mark next to REPEAT, press 7 REPEAT to display it.

2. Perform steps 1, 2, and 3 under "To select a single built-in song for playback" (page EN-26) to start song playback.

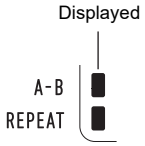
3. When playback reaches the beginning of the section you want to loop, press 8 A-B.

This will make the beginning of the measure that is playing when you press **8 A-B** the beginning of the loop, and cause the indicator mark next to A-B to start to flash.



4. When playback reaches the end of the section you want to repeat, press 8 A-B again.

This will make the end of the measure that is playing when you press **8 A-B** the end of the loop, and cause the indicator mark next to A-B to stop flashing.



5. To return to normal playback, press 8 A-B.

This causes the indicator mark next to A-B to disappear.

Playing Back with One Hand's Part Muted

You can mute one of the hand parts of a song for playback. Then you can practice by playing the muted part on the keyboard. The following types of songs can be used for such practice: built-in songs,* or CMF format (one type of CASIO MIDI file) songs* stored on a USB flash drive.

* These songs have part channel information (page EN-29).

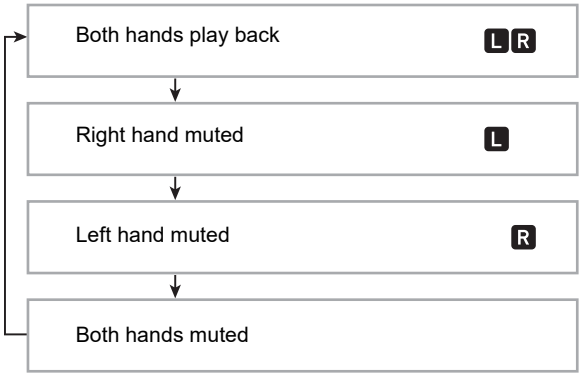
■ To play back with one hand's part muted

1. Press 18 SONG BANK.

2. Use the 14 dial to select a song number.

3. Use 13 PART SELECT to select a part to practice.

- Each press of **13 PART SELECT** cycles through part settings as shown below. On-screen indicators show the current part selection.



4. Press 12 ▶/■ to start song playback.

5. To stop song playback, press 12 ▶/■.

■ Part Channel Information

In built-in songs and CMF format songs, parts where left-hand play is recorded and parts where right-hand play is recorded are separate. These songs have “part channel information”, which is information that controls to which Digital Piano parts left-hand and right-hand play should be assigned.
The part channel information contained in built-in songs and general CMF format songs is described below.

Song Type	Left Hand Part:	Right Hand Part:
Normal piano song with one tone for both hands	Song left-hand part	Song right-hand part
Song with Auto Accompaniment for the left-hand part and melody for the right-hand part	All Auto Accompaniment parts	Song right-hand part

Though standard MIDI files (SMF format) stored on a USB flash drive can also be played back by the Digital Piano, such files do not have part channel information. Use the procedure below to specify whether the right-hand part or left-hand part should be muted when **13 PART SELECT** is pressed for playback of such a file.

● To specify a part channel

See function number 59 (PartR Ch), 60 (PartL Ch) in the “Function Setting Item List” (page EN-46).

NOTE

- The above setting is applied only for playback of a song that does not have part channel information. When a song has part channel information, this setting is ignored and the part channel information is given priority.

Increasing the Selection of Songs

You can add up to 10 songs to Digital Piano memory as user songs (Song Number 153 through 162). To add user song data (up to 320 KB per song of data that is playable by this Digital Piano), save it to a USB drive or smart device and then transfer the saved song data to Digital Piano memory. For details, see “USB Flash Drive Operations” (page EN-51) and “Linking with a Smart Device (APP Function)” (page EN-56).

■ To delete user song data from Digital Piano memory

1. Select the song you want to delete.

2. Hold down 5 RECORD/STOP.

This displays “Sure?”.

3. Press 15 ENTER.

This deletes the user song.

- To cancel the delete operation without deleting, long-press **15 ENTER**.

Playing Back a Song from a USB Flash Drive

You can use the same operations as those for built-in songs to play back MIDI files* stored in the MUSICDAT folder on a USB flash drive. For information about the procedure for saving a MIDI file to a USB flash drive, see “Using a Computer to Copy General Song Data to a USB Flash Drive” (page EN-53).

* Standard MIDI files (SMF format 0/1) and CASIO MIDI files (CMF format)

■ To play back a song from a USB flash drive

1. Insert the USB flash drive into the Digital Piano’s 27 USB Type A port.

- When you perform a USB flash drive operation or turn on the Digital Piano while a USB flash drive is plugged in, the Digital Piano initially needs to perform a “mounting” sequence to prepare for data exchange with the USB flash drive. Digital Piano operations may be momentarily disabled while a mounting sequence is being performed. The USB indicator will flash on the display while the USB flash drive is being mounted. It may take up to 10 or 20 seconds or even longer for a USB flash drive to be mounted. The message “Listing” may be displayed while the mounting operation is in progress. Do not attempt to perform any operation on the Digital Piano while a mounting sequence is in progress. A USB flash drive needs to be mounted each time it is connected to the Digital Piano.

2. Perform the procedure under “To select a single built-in song for playback” (page EN-26).

- Song numbers are assigned automatically in sequence to MIDI files on the USB flash drive. The files are sorted on their file names, and the first MIDI file is assigned song number 169.

Using Auto Accompaniment

With Auto Accompaniment, simply select an accompaniment pattern. Each time you play a chord with your left hand the appropriate accompaniment will play automatically. It's like having a personal backup group along with you wherever you go.

NOTE

- Auto Accompaniments are made up of the three parts below.
  - Rhythm
  - Bass
  - Harmony

You can have only the rhythm part play, or you can have all three parts play at the same time.

Playing the Rhythm Part Only

The rhythm part is the foundation of each Auto Accompaniment. Your Digital Piano comes with a variety of built-in rhythms, including 8-beat and waltz. Use the procedure below to play the basic rhythm part.

1. Press 17 RHYTHM.

This displays (rhythm indicator) and enters the Rhythm Mode.

2. Use the 14 dial to select the rhythm number you want.

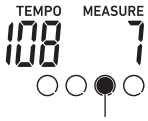
- See the separate "Built-in Music Data Lists" for information about individual rhythms.
- For information about how to jump between rhythm categories, see "To navigate between categories" (page EN-12).

NOTE

- This operation automatically changes the beat setting of the metronome (page EN-18) to the beat of the selected rhythm. Even if the beat of a rhythm is outside the allowable setting range of the metronome, it is still applied as the metronome setting.

3. Press 12 START/STOP.

This starts the rhythm.



This indicator moves with each beat.

4. Play along with the rhythm.

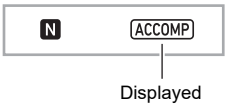
5. To stop the rhythm, press 12 START/STOP again.

Playing Auto Accompaniment with Chords

Playing a chord with your left hand automatically adds bass and harmony accompaniment parts to the currently selected rhythm. It is just like having your own personal back up group on call.

1. Press 13 [ACCOMP].

This enables chord input on the accompaniment keyboard.

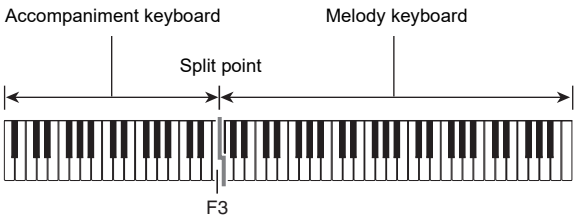


2. Start play of the rhythm part.

- For information about how to select a rhythm and start playing it, see "Playing the Rhythm Part Only" (page EN-30).

3. Use the accompaniment keyboard to play chords.

This will cause bass and harmony Auto Accompaniment parts to be added to the rhythm part.



Example:

Pressing D-F#-A-C on the accompaniment keyboard

↓

Accompaniment for the D-F#-A-C chord (D7) sounds.

NOTE

- You can use the split point to change the size of the accompaniment keyboard range (page EN-16).

4. Play other chords with left hand as you play the melody with your right hand.

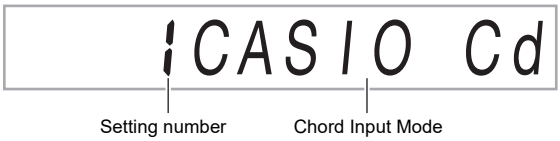
5. Pressing 13 [ACCOMP] again returns to rhythm only accompaniment.

■ To select a chord input mode

1. Press 15 FUNCTION, and then use the 14 dial to display the "ChordMod" setting name.

2. Press 15 ENTER.

This displays the NUM indicator.



3. Use the 14 dial to select the chord input mode.

- You can select from among the six chord input modes below.

Chord Input Mode	Setting Number	Display
CASIO CHORD (page EN-32)	1	CASIO Cd
FINGERED 1 (page EN-32)	2	Fingerd1
FINGERED 2 (page EN-32)	3	Fingerd2
FINGERED ON BASS (page EN-32)	4	FgOnBass
FINGERED ASSIST (page EN-32)	5	FgAssist
FULL RANGE CHORD (page EN-33)	6	FulRange

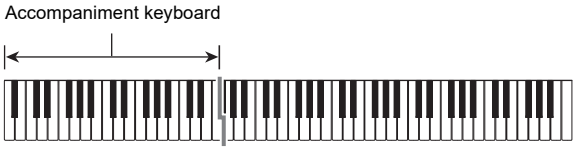
4. Press 15 ENTER to apply the displayed setting.

This causes the NUM indicator to disappear.

5. To exit the setting screen, press 16 TONE.

CASIO CHORD

With CASIO CHORD, you can use simplified fingerings to play the four types of chords described below.



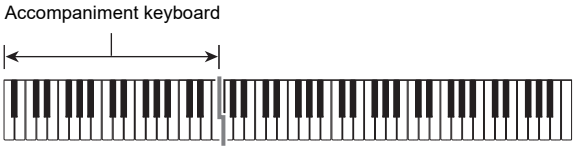
Chord Type
Major Chords Pressing a single accompaniment area key in the CASIO CHORD mode will play the major chord whose name is marked above the key. All of the accompaniment area keys that are marked with the same chord name play exactly the same chord. *Example:* C (C Major)
Minor Chords To play a minor chord, press the accompaniment area key that corresponds to the major chord, while also pressing one other accompaniment area key to the right. *Example:* Cm (C Minor)
Seventh Chords To play a seventh chord, press the accompaniment area key that corresponds to the major chord, while also pressing two other accompaniment area keys to the right. *Example:* C7 (C Seventh)
Minor Seventh Chords To play a minor seventh chord, press the accompaniment area key that corresponds to the major chord, while also pressing three other accompaniment area keys to the right. *Example:* Cm7 (C Minor Seventh)

NOTE

- When playing a minor, seventh, or minor seventh chord, it makes no different whether the additional keys you press are black or white.

FINGERED

With these input modes, you play chords on the accompaniment keyboard using their normal chord fingerings. Some chord forms are abbreviated, and can be fingered with one or two keys.
See page EN-67 for information about chords that are supported and how they are fingered on the keyboard.



● FINGERED 1

Play the component notes of the chord on the keyboard.

● FINGERED 2

Unlike FINGERED 1, 6th input is not possible. m7 or m7♭5 is input.

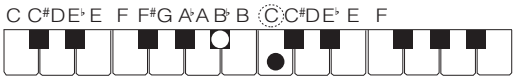
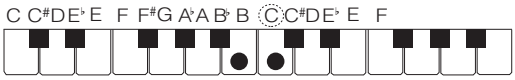
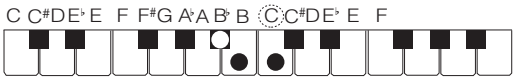
● FINGERED ON BASS

Unlike FINGERED 1, allows input of fraction chords with the lowest keyboard note as the bass note.

● **FINGERED ASSIST**

Produces an effect that is different from FINGERED 1 when two or three keys are pressed. Pressing a root key and any key to the left of the root key plays a seventh chord, while a black key plays a minor chord. Pressing both a white and black key together plays a minor seventh chord.

- In addition to FINGERED 1, you can also use the methods below to play the three types of chords described below.

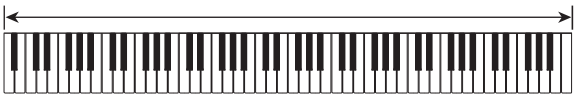
Chord Type
Minor Chords To play a minor chord, press the accompaniment keyboard key that specifies the major chord, while also adding the closest black key to the left of the major chord key. *Example:* Cm (C Minor) 
Seventh Chords To play a seventh chord, press the accompaniment keyboard key that specifies the major chord, while also adding the closest white key to the left of the major chord key. *Example:* C7 (C Seventh) 
Minor Seventh Chords To play a minor seventh chord, press the accompaniment keyboard key that specifies the major chord, while also adding the closest white and black keys to the left of the major chord key. *Example:* Cm7 (C Minor Seventh) 

FULL RANGE CHORD

With this mode, you can use the full range of the keyboard to play chords and the melody.

See page EN-67 for information about chords that are supported.

Accompaniment keyboard / Melody keyboard



Auto Accompaniment Pattern Variations

Use the procedure below to play intro and ending patterns, to play fill-in patterns, and to play variations of basic Auto Accompaniment patterns.

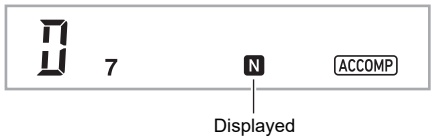
■ Auto Accompaniment Variation

Each Auto Accompaniment pattern has a basic “normal pattern” as well as a “variation pattern”.

1. Press 9 VARIATION FILL-IN.

This starts the variation pattern.

2. Pressing 8 NORMAL FILL-IN returns to normal pattern.



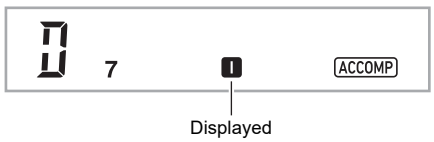
■ Auto Accompaniment Intro

Use the procedure below to play an intro of a few measures.

1. Press 7 INTRO.

This starts the intro pattern. Normal pattern play will start when the intro pattern is finished.

- If you press **9 VARIATION FILL-IN** while an intro pattern is being played, the variation pattern will start when the intro pattern is finished.



■ Auto Accompaniment Fill-in

Use the procedures below to play a fill-in pattern during a performance.

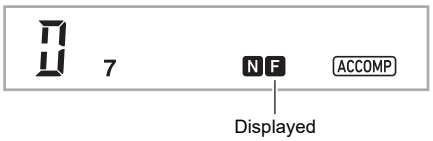
- A “fill-in” is a short phrase played where you want to change the mood of a piece. A fill-in pattern can be used to create a link between two melodies or an accent.
- Normal and variation patterns have their own unique fill-in patterns.

● Normal Pattern Fill-in

1. While a normal pattern is playing, press 8 NORMAL FILL-IN.

This plays the fill-in for the normal pattern.

- Normal pattern play will resume after the fill in pattern is complete.

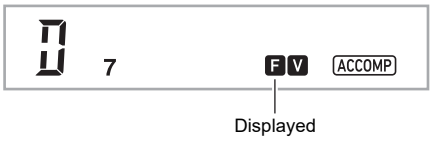


● Variation Pattern Fill-in

1. While a variation pattern is playing, press 9 VARIATION FILL-IN.

This plays the fill-in for the variation pattern.

- Variation pattern play will resume after the fill in pattern is complete.

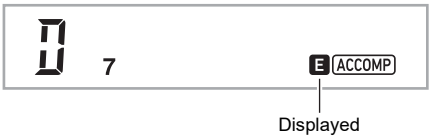


■ Auto Accompaniment Ending

Use the procedure below to play an ending of a few measures.

1. While an Auto Accompaniment is playing, press 10 ENDING/SYNCHRO START.

This will play the ending pattern and then stop Auto Accompaniment play automatically.

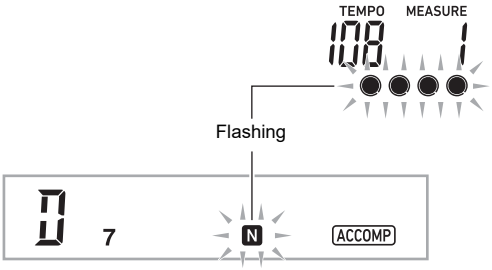


■ Using Synchro Start

Use the procedure below to configure the Digital Piano to start Auto Accompaniment play as soon as you press a keyboard key.

1. Press 10 ENDING/SYNCHRO START.

This enters Auto Accompaniment synchro start standby.



2. Play a chord on the accompaniment keyboard.

This will start full part accompaniment (normal).

Any of the operations below can be performed while in synchro start standby to start a non-normal pattern.

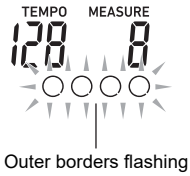
- To start with intro pattern, press **7 INTRO**.
- To start with variation pattern play, press **9 VARIATION FILL-IN**.

■ Synchro Stop

With synchro stop, Auto Accompaniment stops as soon as you release all of the keys on the accompaniment keyboard. The Digital Piano automatically enters synchro start standby at this time.

1. Press 11 SYNCHRO STOP.

This enters synchro stop standby.



2. While Auto Accompaniment is sounding, release all of the accompaniment keyboard keys at the point where you want it to stop.

This stops Auto Accompaniment, and the Digital Piano automatically enters synchro start standby.

NOTE

- To exit synchro stop standby, press **11 SYNCHRO STOP**.

■ Changing Auto Accompaniment Speed (Tempo)

See "Changing the Tempo Setting" (page EN-19).

■ Adjusting the Accompaniment Volume

Use the procedure below to adjust the balance between what you are playing on the keyboard and the volume of the Auto Accompaniment.

See function number 22 (AcompVol) in the "Function Setting Item List" (page EN-46).

Using Auto Harmonize

Auto Harmonize lets you add harmony to melody notes you play with your right hand for more melodic depth. You can select any one of 12 Auto Harmonize types.

- A single button is used to control auto harmonize and the arpeggiator (page EN-19). Because of this, the arpeggiator cannot be used while auto harmonize is in use.

■ To turn on Auto Harmonize

1. Press 17 RHYTHM.

2. If there is no ACCOMP indicator displayed, press 13 [ACCOMP] to display it.

3. Press 22 A.HAR./ARPEG. and confirm that the A.HAR. indicator is displayed.

A.HAR.
Displayed

- Fingering a chord on the accompaniment keyboard as you play the melody on the Upper part keyboard will add chords to your melody play.

4. To turn Auto Harmonize off, press 22 A.HAR./ARPEG..

This causes the A.HAR. indicator to disappear.

IMPORTANT!

- **If the ARPEG. indicator is displayed instead of the A.HAR. indicator in step 3 of the above procedure, you will need to change the function assigned to the button.**
  Use the operation under "Configuring Function Settings" (page EN-45) to select "1 A.Har." for function number 12 (BtnAsign) in the "Function Setting Item List" (page EN-46).

■ To select the Auto Harmonize type

1. Perform the procedure under "To turn on Auto Harmonize" (page EN-36) and confirm that the A.HAR. indicator is displayed.

2. Long-press 22 A.HAR./ARPEG. until the FUNCTION indicator flashes on the display.

This displays the currently selected auto harmonize number and name.

3. Use the 14 dial to specify the auto harmonize type.

- For details about types, see "Auto Harmonize Type List" (page EN-36).

4. Press 15 ENTER to apply your setting.

This causes the NUM indicator to disappear.

■ Auto Harmonize Type List

Type number	Type Name	Description
1	Duet 1	Adds close (separated by 2 to 4 degrees) 1-note harmony below the melody note.
2	Duet 2	Adds open (separated by more than 4 to 6 degrees) 1-note harmony below the melody note.
3	Country	Adds country style harmony.
4	Octave	Adds the note from the next lower octave.
5	5th	Adds the fifth degree note.
6	3-Way Open	Adds 2-note open harmony, for a total of three notes.
7	3-Way Close	Adds 2-note close harmony, for a total of three notes.
8	Strings	Adds harmony that is optimal for strings.
9	4-Way Open	Adds 3-note open harmony, for a total of four notes.
10	4-Way Close	Adds 3-note close harmony, for a total of four notes.
11	Block	Adds block chord notes.
12	Big Band	Adds big band style harmony.

Using One-Touch Preset

With One-Touch Preset, the Digital Piano automatically configures optimal tone, tempo, and other settings in accordance with the rhythm pattern you select.

1. Hold down 17 RHYTHM until the current tone screen appears on the display.

This will automatically apply the One-Touch Preset settings in accordance with the rhythm pattern that is currently selected. At this time, the Digital Piano will go into Auto Accompaniment synchro start standby (page EN-35).

Increasing the Number of Rhythms (User Rhythms)

You can import rhythms you want from a USB flash drive to Digital Piano rhythm numbers 201 through 210 (user rhythms), and play them. See "USB Flash Drive Operations" (page EN-51).

■ To delete user rhythm data from Digital Piano memory

1. Select the rhythm you want to delete.

2. Long-press 5 RECORD/STOP.

This causes "Sure?" to appear on the display.

3. Press 15 ENTER.

This deletes the rhythm.

- To cancel the delete operation without deleting, long-press 15 ENTER.

Using Music Preset

Selecting a Music Preset instantly changes the Digital Piano to a preset setup (tone, rhythm, chord progression, etc.) for play of songs of various genres/categories. The press of a button sets up the Digital Piano so those songs sound exactly the way you thought they should.

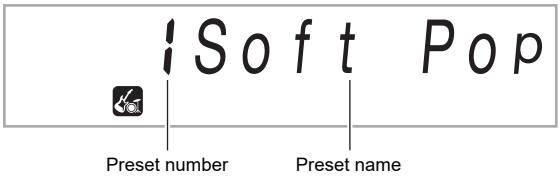
- See the separate "Built-in Music Data Lists" for a complete list of the 310 Music Presets that are available.

■ To perform using a music preset

1. Press 17 RHYTHM.

2. Long-press 13 [ACCOMP].

This displays (music preset indicator) and enters the Music Preset Mode.



- The ACCOMP indicator will flash on the display to indicate that chord progression play is enabled.

3. Use the 14 dial to select the preset number you want.

This will change the setup (tone, rhythm, etc.) of the Digital Piano.

- At this time the Digital Piano will go into Auto Accompaniment synchro start standby (page EN-35).
- For information about how to jump between music preset categories, see "To navigate between categories" (page EN-12).

4. Press 12 START/STOP or play a chord on the accompaniment keyboard.

This starts Auto Accompaniment play in accordance with the preset chord progression.

5. Play along on the keyboard with the accompaniment.

- To stop Auto Accompaniment, press 12 START/STOP or 10 ENDING/SYNCHRO START.

6. To exit Music Preset, press 13 [ACCOMP].

- At this time the tone and rhythm settings configured by the Music Preset Mode remain in effect.

■ To change the chord progression key (Key Shift)

See function number 61 (MP Key) in the "Function Setting Item List" (page EN-46).

Registering and Restoring a Setup (Registration)

You can use the registration function to register the setup of the Digital Piano (tone, rhythm, and other settings). You can recall a registered setup as required to perform a particular song, etc.

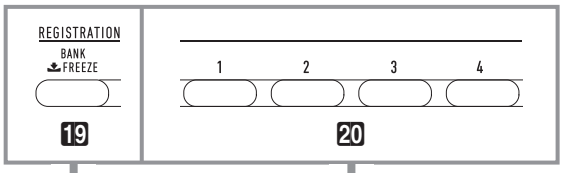
NOTE

- Registration can be used in the Rhythm Mode (page EN-30).
- The registration function cannot be used while in the Song Bank Mode (page EN-26), during demo play (page EN-11), while in the Music Preset Mode (page EN-37), or while configuring function settings (page EN-45).

■ Setup Storage Locations

Setup registrations are stored in memory locations that are divided into eight banks. Each bank has four storage areas, which means you can register up to 32 setups (8 banks × 4 areas).

- Use the 19 **BANK** button to specify a bank.
- Specify an area using the 20 Area **1** to Area **4** buttons.



	Area 1	···	Area 4
Bank 1	Setup 1-1	···	Setup 1-4
Bank 2	Setup 2-1	···	Setup 2-4
.	.		.
.	.		.
Bank 8	Setup 8-1	···	Setup 8-4

■ Registration Memory Data

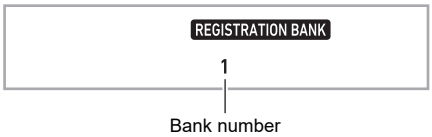
- Rhythm number
- Synchro start
- Accomp (on, off)
- Keyboard volume
- Accompaniment volume
- Chord input mode
- Split point
- Tone numbers (Upper1, Upper2, Lower)
- Layer (on, off)
- Split (on, off)
- Octave shift
- Duet setting (on, off, octave shift, pan)
- Tempo
- Auto Harmonize (on, off, type)
- Arpeggiator setting (on, off, type)
- Arpeggiator hold (on, off)
- Transpose
- Scale
- Touch Response
- Reverb (on, off, type)
- Chorus (on, off, type)
- Pitch bend range
- Pedal effect

■ Saving to an External Device

Setups saved using registration can be saved to a USB flash drive in bank units. See "USB Flash Drive Operations" (page EN-51).

Saving a Setup to Registration Memory

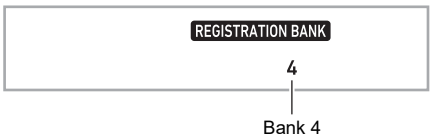
1. Press 17 RHYTHM.



2. Configure the tone, rhythm, and other settings you can to include in the setup.

3. Press 19 BANK to select the bank you want.

Each press of 19 **BANK** cycles through the bank numbers.



- You also can select a bank using the 14 dial within three seconds after pressing the 19 **BANK** button.

4. While holding down 21 STORE, press the button of the area (20 Area 1 to Area 4) where you want to save the registration.

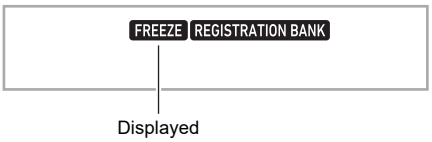
This will save the settings you configured in step 2 into the applicable setup.

- If there is anything already stored in the setup, it will be replaced (deleted) by the new setup.

Recalling a Setup from Registration Memory

1. If required, use 19 BANK to toggle the freeze function between enabled and disabled.

- Each long-press 19 **BANK** toggles freeze between enabled and disabled. The FREEZE indicator is displayed while freeze is enabled.



- For details about the freeze function, see "Freeze Function" (page EN-39).

2. Press 19 BANK to select the bank that contains the setup you want to recall.

3. Press the button of the area (20 Area 1 to Area 4) whose registration you want to recall.

This will recall the registration memory setup and automatically configure the Digital Piano settings accordingly.

NOTE

- Notes currently being sounded by the keyboard may stop if you recall a setup that causes a change in octave shift (page EN-24). To keep this from happening, either select a setup that does not cause a change in the octave shift setting, or hold down the pedal (which will cause notes currently being played to be sustained).

■ Freeze Function

Recalling a registered setup normally overwrites all of the settings shown under "Registration Memory Data" (page EN-38).
You can also use the freeze function (Registration Memory Freeze Target) to specify particular settings that should not be overwritten when a setup registration is recalled.

Use the procedure under "Configuring Function Settings" (page EN-45) to specify "On" (setting frozen) or "Off" (setting not frozen) for the items of each submenu under function number 31 (RMFrzTgt) in the "Function Setting Item List" (page EN-46).
Setting items that can be specified are listed below.

- Rhythm (Rhythm number, Synchro start status, ACCOMP on/off, Accompaniment volume, Chord input mode)
- Tempo
- Tone (Tone number, Layer (on/off), Split (on/off), Octave Shift, Duet settings, Keyboard volume)
- Split Point
- Auto Harmonize/Arpeggiator (on/off, type, Arpeggiator hold on/off)
- Transpose
- Scale
- Touch Response
- Effect type (Reverb, Chorus)
- Controller (Pitch bend range, pedal effect)

NOTE

- Under initial default settings, Rhythm and Tempo are on while all other settings are off.

Recording Your Keyboard Play

A simple operation records your keyboard play, Auto Accompaniment, and other Digital Piano operations you perform while playing.

NOTE

- You can have up to six recorded songs in memory (five multi-track songs and one Part Practice Recording).
- Recording memory capacity is approximately 12,000 notes per song.

■ Saving to an External Device

After you create a recording with the Digital Piano, you can save the resulting data to a USB flash drive. See "USB Flash Drive Operations" (page EN-51).

IMPORTANT!

- **CASIO COMPUTER CO., LTD. takes no responsibility for any damages, lost profits, or claims by third parties arising from the deletion of recorded data due to malfunction, repair, or for any other reason.**

Recording and Playing Back Keyboard Play

■ Recording Keyboard Play

1. Press 17 RHYTHM.

2. Press 5 RECORD/STOP.

This will enter record standby.

Flashing

- To exit record standby, press **5 RECORD/STOP** as many times as necessary until the RECORD indicator is no longer displayed.

3. Configure the tone, rhythm, and other settings you want to use.

4. Start playing.

Recording starts as soon as you play something on the keyboard.

Displayed

- You can use Auto Accompaniment while playing. If you do, Auto Accompaniment also will be recorded.
- The RECORD indicator will start to flash during recording when the number of remaining note count is 100 or lower. When there are no more remaining notes, recording stops automatically and the RECORD indicator disappears.

5. To stop recording, press 5 RECORD/STOP.

Displayed

6. To play back what you have recorded, press 12 ▶/■.

- Each press of **12 ▶/■** starts and stops playback.

NOTE

- Recording using the above operation automatically selects as the recording destination the lowest numbered song bank (from 164 to 168) that does not have anything recorded to it yet. If you want to specify a song number as the recording destination, perform the procedure under "To change the recording destination song number during recording standby" (page EN-41).

IMPORTANT!

- **Turning off the Digital Piano while recording is in progress will cause any data in recorder memory to be deleted.**
- **Due to the way the Digital Piano's system is designed, certain tone, Auto Accompaniment, reverb, and chorus settings can result in the sound produced during playback to be different from the sound that you heard when you recorded.**

■ To play back a recorded performance

Use the procedure under "Selecting a Built-in Song for Playback" (page EN-26), selecting one of the songs in the range of 163 to 168.

■ To change the recording destination song number during recording standby

1. While in record standby, long-press 5 RECORD/STOP.

This causes "Rec Trk" to appear on the display.

2. Use the 14 dial to select "MltRec X" (X is a value from 1 to 5), and then press 15 ENTER.

3. Use the 14 dial to display the number of song to which you want to record.

4. Press 15 ENTER.

5. To exit the setting screen, press 5 RECORD/STOP.

■ To change the target track during recording standby

1. While in record standby, long-press 5 RECORD/STOP.

This causes "Rec Trk" to appear on the display.

2. Press 15 ENTER.

3. Use the 14 dial to select the track you want to record.

4. Press 15 ENTER.

5. To exit the setting screen, press 5 RECORD/STOP.

NOTE

- For details about the recording track, see "About tracks" (page EN-41).

Overdubbing a Recorded Track

In addition to the keyboard play and Auto Accompaniment you record to Track 1, you can overdub up to five keyboard play tracks.

■ About tracks

Tracks are numbered from 1 to 6.

- If you do not specify a track number when recording, recording is performed to Track 1 automatically.

In addition to what you play on the keyboard, the information below also is recorded.

- **Track 1**
  Tone number (Upper1, Upper2, Lower), rhythm number, rhythm controller, Keyboard Volume, Auto Accompaniment volume level, tempo, beat, reverb setting, chorus setting, chord play, layer play, split play, scale setting, octave shift setting, pedal operations, pitch bend wheel operations, pitch bend range setting
- **Tracks 2 through 6**
  Tone number (Upper1), pedal operations, pitch bend wheel operations, pitch bend range setting

■ To record to Tracks 1 through 6

1. Press 18 SONG BANK.

2. Use the 14 dial to display the number of song to which you want to record.

3. Press 5 RECORD/STOP.

This causes "Rec Trk" to appear on the display.

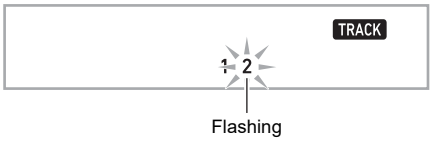
Rec Trk

- To exit record standby, press 5 **RECORD/STOP** as many times as necessary until the RECORD indicator is no longer displayed.

4. Press 15 ENTER.

5. Use the 14 dial to select the track number of the next track to which you want to record.

This will enter record standby for the track you selected.
Example: Track 2



- To change the tone to be used at the start of recording, press 16 **TONE** and then use the 14 dial to select the tone.

6. Press 15 ENTER.

7. Press 12 ▶/■.

This will start playback of what you recorded up to this point in other tracks and record what you play on the keyboard to the currently selected track. Play the notes you want on the keyboard.

- If you want to record from the beginning of a track, press **5 RECORD/STOP** and then start playing.

8. To stop recording, press 5 RECORD/STOP.

- To play back what you have recorded, press 12 ▶/■. Each press of 12 ▶/■ starts and stops playback.

9. Repeat steps 3 through 8 to record the other tracks.

Recording Keyboard Play Along with a Song (Part Practice Recording)

This section explains how to play along and record along with one of the Digital Piano's built-in (or user) songs. Recorded content is saved in Song Bank location 163.

● **The operations below also are recorded along with your keyboard play.**

Tone number (Upper1, Upper2, Lower), layer play, split play, auto harmonize/arpeggiator play, tempo, reverb setting, scale setting, octave shift setting, pedal operations

NOTE

- There can be only one recording of keyboard play with a song in recorder memory. Making a new recording replaces (deletes) previously recorded data.

■ To record keyboard play along with song playback

1. Press 18 SONG BANK.

2. Use the 14 dial to select a built-in (or user) song number.

- The song you select here is the one you will play back while recording.

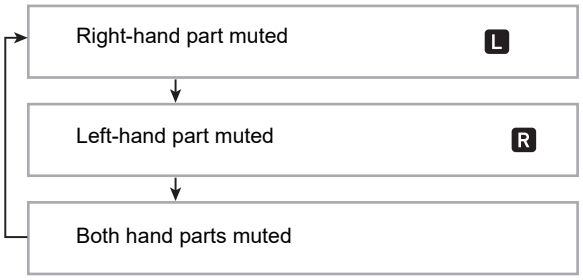
3. Press 5 RECORD/STOP.

This will enter record standby.

- To exit record standby, press **5 RECORD/STOP** as many times as necessary until the RECORD indicator is no longer displayed.

4. Use 13 PART SELECT to select the part whose playback you want to mute during recording.

- Each press of 13 **PART SELECT** cycles between the mute settings as shown below. On-screen indicators show the currently muted part(s).



- Configure tone and tempo settings at this time as well.

5. Press 12 ▶/■ to start song playback and recorder recording.

Play along with the playback.

- To stop recording part way through, press 12 ▶/■.

6. Recording will stop automatically when the end of the song is reached.

This will enter playback standby.

7. Press 12 ▶/■.

This will start playback of what you recorded.

- Each press of 12 ▶/■ starts and stops playback.

Configuring Precount and Metronome Settings

The precount and metronome settings shown below are available for recording.

Precount (Precount)	Specifies whether or not to sound a pre-count before recording starts after you press 12 **START/STOP** while in recording standby. On: Sounds a one-measure pre-count. Off: Recording starts without sounding a pre-count as soon as you press 12 **START/STOP** or play something on the keyboard.
Metronome (Metronom)	On: Sounds the metronome while recording. Off: Disables the metronome.

■ To configure precount and metronome settings

1. While in record standby, long-press 5 RECORD/STOP.

This displays “Rec Trk”.

2. Use the 14 dial to display the item whose setting you want to configure.

- To configure the precount setting, display “Precount”. To configure the metronome setting, display “Metronom”.

3. Press 15 ENTER to enable or disable the displayed setting.

- Each press of 15 **ENTER** toggles the setting between enabled and disabled.

4. To exit the setting screen, press 5 RECORD/STOP.

Muting a Track

You can use the procedure below to mute a recorded track and then record to or play back the other track.

1. **Press 18 SONG BANK.**
2. **Use the 14 dial to select a song you recorded.**
3. **Press 13 PART SELECT.**
   This causes “Tr 1Mute” to appear on the display.
4. **Use the 14 dial to select the track you want to mute.**
5. **Press 15 ENTER.**
   - Each press of 15 ENTER toggles the selected track between mute and unmute.
   - Muting a recorded track causes its track number to disappear from the display.
   - Note that the number of a track that is not recorded also is not shown on the display.
6. **Press 13 PART SELECT.**

Deleting a Recorded Song or Track

You can use the procedures in this section to delete an entire recorded song, or to delete a specific track of a recorded song.

■ To delete a song

1. **Press 18 SONG BANK.**
2. **Use the 14 dial to select the song number of the song you want to delete.**
3. **Hold down 5 RECORD/STOP.**
4. **Use the 14 dial to select “Song Clr”.**
5. **Press 15 ENTER.**
   This causes “Sure?” to appear on the display.
6. **Press 15 ENTER again.**
   This deletes the song.
   - To cancel, long-press 15 ENTER.

■ To delete a specific track

1. **Press 18 SONG BANK.**
2. **Use the 14 dial to select the song that contains the track you want to delete.**
3. **Hold down 5 RECORD/STOP.**
4. **Use the 14 dial to select “Trk Clr”, and then press 15 ENTER.**
5. **Use the 14 dial to select the track you want to delete.**
6. **Press 15 ENTER.**
   This causes “Sure?” to appear on the display.
7. **Press 15 ENTER again.**
   This deletes the track.
   - To cancel, long-press 15 ENTER.

Copying a Recorded Song

You can use the procedure below to copy recorded song data to a different song number.

■ To copy a recorded song

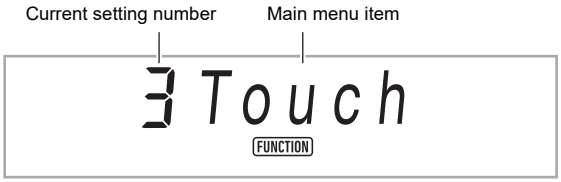
1. **Press 18 SONG BANK.**
2. **Use the 14 dial to select the song you want to copy.**
3. **Long press 5 RECORD/STOP.**
4. **Use the 14 dial to select “SongCopy” and then press 15 ENTER.**
5. **Use the 14 dial to select the number of the song you want to specify as the copy destination, and then press 15 ENTER.**
   This displays “Sure?”
   - If there is already song data recorded for the song number you selected as the copy destination, the message “Replace?” will appear.
6. **To execute the copy operation, press 15 ENTER.**
   - To cancel the copy operation, long press 15 ENTER.

Configuring Function Settings

To configure function settings

1. Press 15 FUNCTION.

This displays the FUNCTION indicator and the main menu item.



- For information about main menu and submenu items for each function, see "Function Setting Item List" (page EN-46).

2. Use the 14 dial to select the menu item whose setting you want to change.

- If the setting item you are configuring has a submenu, perform steps (1) and (2) below. See the "Function Setting Item List" (page EN-46) for information about which setting items have submenus. If the ENTER indicator is on the display, it means that the currently displayed setting item has a submenu. If the setting item you are configuring does not have a submenu, advance to step 3, below.

(1) Press 15 **ENTER**. This displays the submenu.

(2) Use the 14 dial to display the submenu item you want to change.
- After the submenu item appears, advance to step 3.
- If the submenu shows another submenu, repeat steps (1) and (2), above.
- To return to the main menu from a submenu display, long-press 15 **ENTER**.

3. Perform the operation required to configure the displayed menu item.

■ To change an on (enabled)/off (disabled) setting

Press 15 **ENTER**. Each press toggles the setting between on and off.

- If a button operation causes the value being changed to reach its initial default or recommended value, the NUM indicator will momentarily flash and then turn off.

■ To change a numeric value setting

(1) Press 15 **ENTER**.
This displays the NUM indicator.
- If the FUNCTION indicator is flashing on the display at this time, the function name (main menu or submenu) is displayed and then the display changes to the setting option. Each press of 15 **FUNCTION** toggles between the setting option and function name display. The FUNCTION indicator flashes while a setting option is displayed, and does not flash while a function name is displayed.

(2) Use the 14 dial to change the setting.
- If a dial operation causes the value being changed to reach its initial default (or recommended) value, the NUM indicator will blink once to let you know.

(3) Press 15 **ENTER**.
This causes the NUM indicator to disappear.

4. To exit the setting screen, press 16 TONE.

This causes the FUNCTION indicator to disappear.

Function Setting Item List

- For information about changing the settings in the list below, see "To configure function settings" (page EN-45).
- If "(ENTER)" is shown at the end of a function name, it means that pressing 15 **ENTER** will display a submenu.

No.	Function	Display	Setting Range
1	Touch Response	Touch	1 - 4
2	Transpose	Trans.	–12 - 12
3	Duet (ENTER)	Duet	
4	Upper Octave Shift	U Oct.	–2 - +2
5	Lower Octave Shift	L Oct.	–2 - +2
6	Duet Pan	Duet Pan	On/Off
7	Chord Mode	ChordMod	1 - 6
8	Controller (ENTER)	Cntrller	
9	Pedal Effect	Pedal	1 - 4
10	Pitch Bend Range	Bend Rng	0 - 24
11	Auto Harmonize/Arpeggiator (ENTER)	AHar/Arp	
12	Auto Harmonize/Arpeggiator Button Assignment	BtnAsign	1 - 2
13	Auto Harmonize Type	AHarType	1 - 12
14	Arpeggiator Type	Arp Type	1 - 100
15	Arpeggiator Hold	ArpegHld	On/Off
16	Octave Shift (ENTER)	Octave	
17	Upper1 Part Octave Shift	U1 Oct.	–2 - +2
18	Upper2 Part Octave Shift	U2 Oct.	–2 - +2
19	Lower Part Octave Shift	L Oct.	–2 - +2
20	Split Point	Split Pt	21 - 108
21	Keyboard Volume	KeybdVol	0 - 127
22	Auto Accompaniment Volume	AcompVol	0 - 127
23	Song Volume	Song Vol	0 - 127
24	Tuning	Tune	415.5 - 465.9
25	Preset Scale (ENTER)	Scale	
26	Preset Scale Type	Type	1 - 17
27	Preset Scale Root	BaseNote	1 - 12
28	Auto Accompaniment Scale	AcompScl	On/Off
29	Reverb	Reverb	1 - 11
30	Chorus	Chorus	1 - 5
31	Registration Memory Freeze Target (ENTER)	RMFrzTgt	
32	Rhythm	Rhythm	On/Off
33	Tempo	Tempo	On/Off
34	Tone	Tone	On/Off
35	Split Point	Split Pt	On/Off
36	Auto Harmonize/Arpeggiator	AHar/Arp	On/Off
37	Transpose	Trans.	On/Off
38	Scales	Scale	On/Off
39	Touch Response	Touch	On/Off
40	Effects	Effect	On/Off
41	Controllers	Cntrller	On/Off

No.	Function	Display	Setting Range
42	Metronome (ENTER)	Metronom	
43	Metronome Beat	Beat	0 - 9
44	Metronome Volume	Volume	0 - 127
45	MIDI (ENTER)	MIDI	
46	Keyboard Channel	Keybd Ch	1 - 16
47	Local Control	Local	On/Off
48	Accomp Out	AcompOut	On/Off
49	Media (page EN-50) (ENTER)	Media	
50	Wireless MIDI & audio adaptor (ENTER)	Wireless	
51	Wireless Function	WirlesFn	On/Off
52	MIDI Connection Status	Con MIDI	–
53	Audio Connection Status	ConAudio	–
54	Notification Volume Level	NotifVol	0 - 127
55	Bluetooth Audio Pairing (ENTER)	APairing	
56	Pairing	Pairing	–
57	Pairing Clear	PairgClr	–
58	Other (ENTER)	Other	
59	Right-hand (Melody) Part Channel	PartR Ch	1 - 16
60	Left-hand Part Channel	PartL Ch	1 - 16
61	Music Preset Key Change	MP Key	–5 - 6
62	Operation Lock	Op Lock	On/Off
63	Display Contrast	Contrast	1 - 17
64	Auto Power Off	AutoOff	On/Off
65	Reset (ENTER)	Reset	
66	Function Settings (page EN-48)	Setting	–
67	Factory Reset (page EN-48)	Factory	–
68	Firmware Version	Version	–

IMPORTANT!

- **The tone and other parameters revert to their initial defaults whenever you turn on power (page EN-9).**
- **The following settings are retained even when power is turned off.**
  Tuning, Registration Memory Freeze Target, Wireless MIDI & audio adaptor notification volume level, Bluetooth connection history, Display Contrast

Using Operation Lock

Operation Lock disables button operations, except for the 1 ⏻ (Power) button and the button operations required to unlock operations.

■ To lock operations

1. Press 15 FUNCTION, and then use the 14 dial to display the "Other" setting name.

2. Press 15 ENTER.

3. Use the 14 dial to display the "Op Lock" setting name, and then press 15 ENTER.

This displays "Sure?"

4. To lock operations, press 15 ENTER.

- If you want to leave operations unlocked, long-press 15 ENTER here.

■ To unlock operations

1. Press 15 FUNCTION.

on Op Lock

2. Press 15 ENTER.

oFF Op Lock

3. To exit the setting screen, press 16 TONE.

Deleting All Data in Digital Piano Memory

You can use the procedure below to delete all data, and reset settings and other system contents to return them to their initial factory defaults.

■ To return all Digital Piano settings and data to their initial factory defaults (Factory Reset)

IMPORTANT!

- **This procedure also deletes user songs, user rhythms, registration data, and recorded song data. Saving important data to a USB flash drive (page EN-51) is recommended before performing this procedure.**

1. Press 15 FUNCTION and then use the 14 dial to display "Other".

2. Press 15 ENTER.

3. Use the 14 dial to display "Reset", and then press 15 ENTER.

4. Use the 14 dial to display "Factory", and then press 15 ENTER.

This displays a delete confirmation message.

Sure?

5. Press 15 ENTER.

After performing the above step, "Wait" will appear on the display. The Digital Piano will restart automatically after data deletion is complete.

- To cancel the delete operation, long-press 15 ENTER.

■ To return all Digital Piano settings to their initial factory defaults (Setting Reset)

You can use 15 FUNCTION to return all Digital Piano settings to their initial factory defaults.

In step 4 of the procedure under "To return all Digital Piano settings and data to their initial factory defaults (Factory Reset)" (page EN-48), select "Setting" in place of "Factory" and then press 15 ENTER.

USB Flash Drive

Your Digital Piano supports the use of a commercially available USB flash drive to perform the operations below.

- Formatting the USB flash drive
- You can use a USB flash drive to store songs that were recorded with the Digital Piano and registration setups.
- Data saved to a USB flash drive by this Digital Piano, as well as compatible data (user rhythms, user songs, etc.) copied to a USB flash drive from a computer can be imported to Digital Piano memory.
- Playing back, on the Digital Piano, general song data (MIDI file) copied to USB flash drive using a computer
  - For information about the procedure for copying song data to a USB flash drive, see "Using a Computer to Copy General Song Data to a USB Flash Drive" (page EN-53).
  - For information about playback procedures, see "Playing Back a Song from a USB Flash Drive" (page EN-29).

USB Flash Drive and USB Type A Port Handling Precautions

IMPORTANT!

- **Be sure to observe the precautions provided in the documentation that comes with the USB flash drive.**
- **Avoid using a USB flash drive under the conditions below. Such conditions can corrupt data stored on the USB flash drive.**
  - **Areas subjected to high temperature, high humidity, or corrosive gas**
  - **Areas subjected to strong electrostatic charge and digital noise**
- **Never remove the USB flash drive while data is being written to or loaded from it. Doing so can corrupt the data on the USB flash drive and damage the 27 USB Type A port.**
- **A USB flash drive can become warm after very long use. This is normal and does not indicate malfunction.**
- **Static electricity conducted to the 27 USB Type A port from your hand or from a USB flash drive can cause malfunction of the Digital Piano. If this happens, turn the Digital Piano off and then back on again.**

Copyrights

You are allowed to use recordings for your own personal use. Any reproduction of an audio or music format file, without the permission of its copyright holder, is strictly prohibited under copyright laws and international treaties. Also, making such files available on the Internet or distributing them to third parties, regardless of whether such activities are conducted with or without compensation, is strictly prohibited under copyright laws and international treaties. CASIO COMPUTER CO., LTD. shall not be held in any way liable for any use of this Digital Piano that is illegal under copyright laws.

Connecting a USB Flash Drive to and Detaching It from the Digital Piano

IMPORTANT!

- **When you perform a USB flash drive operation or turn on the Digital Piano while a USB flash drive is plugged in, the Digital Piano initially needs to perform a "mounting" sequence to prepare for data exchange with the USB flash drive. Digital Piano operations may be momentarily disabled while a mounting sequence is being performed. The USB indicator will flash on the display while the USB flash drive is being mounted. It may take up to 10 or 20 seconds or even longer for a USB flash drive to be mounted. Do not attempt to perform any operation on the Digital Piano while a mounting sequence is in progress. A USB flash drive needs to be mounted each time it is connected to the Digital Piano.**

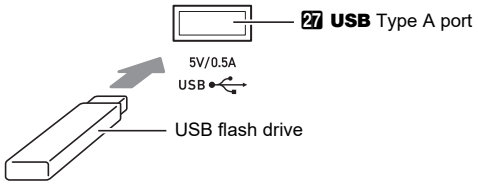
NOTE

- Mounting a USB flash drive on the Digital Piano will create a folder named MUSICDAT in the drive's root directory if a MUSICDAT folder does not already exist there. Use this folder when exchanging data between the Digital Piano and USB flash drive.

■ To connect a USB flash drive to the Digital Piano

1. As shown in the illustration below, insert the USB flash drive into the Digital Piano's 27 USB Type A port.

- Carefully push the USB flash drive in as far as it will go. Do not use undue force when inserting the USB flash drive.



■ To remove a USB flash drive from the Digital Piano

1. Check to confirm that there is no data exchange operation being performed, and then pull the USB flash drive straight out.

Formatting a USB Flash Drive

IMPORTANT!

- **Be sure to format a USB flash drive on the Digital Piano before using it for the first time.**
- **Formatting a USB flash drive deletes all data currently stored on it. Before formatting a USB flash drive, make sure it does not have any valuable data stored on it.**
- **The format operation performed by this Digital Piano is a "quick format". If you want to completely delete all of the data in USB flash drive, format it on your computer or some other device.**

■ Supported USB Flash Drives

This Digital Piano supports USB flash drives formatted to FAT32 or exFAT. If your USB flash drive is formatted to a different file system, use the Windows format function to reformat it to FAT32 or exFAT. Do not use quick format.

IMPORTANT!

- **In the case of an exFAT format USB flash drive, the number of importable files may be limited if long file names are used.**

■ To format a USB flash drive

1. Insert the USB flash drive to be formatted into the Digital Piano's 27 USB Type A port.

2. Press 15 FUNCTION.

3. Use the 14 dial to display "Media", and then press 15 ENTER.

This causes the USB indicator to flash.

4. Use the 14 dial to display "Format", and then press 15 ENTER.

This displays "Sure?"

5. Press 15 ENTER to execute the format.

- To cancel the operation, long-press 15 **ENTER**.
- Pressing 15 **ENTER** starts formatting and displays the message "Wait..." (operation in progress). Do not perform any operation while this message is displayed. "Complete" is displayed after the operation is complete.

6. To exit the operation, press 16 TONE.

This cause the USB indicator to disappear.

USB Flash Drive Operations

This section provides information about the operations below.

- Saving Digital Piano Data to a USB Flash Drive
- Importing Data (Files) from a USB Flash Drive to Digital Piano Memory
- Renaming Digital Piano Importable Data (Files) on a USB Flash Drive
- Deleting Digital Piano Importable Data (Files) on a USB Flash Drive

■ Sub Menu Item/File Name Extension List

The table below shows the sub-menu items that are used for the operations described in this section, and the file name extensions for data types.

● Digital Piano → USB flash drive

The data below can be stored to a USB flash drive from Digital Piano memory.

Data Type	Sub Menu Item	File Name Extension
Part Practice Recording	Part Rec	LRF
User Recording	MltRec MltR SMF	MRF MID
Registration (Bank unit)	RegMemBk	RBK
All user data in Digital Piano memory*	All Data	DAL

* User Recording, Part Practice Recording, Registration, User Rhythm, User Song

● USB Flash Drive → Digital Piano

The data below can be imported to Digital Piano memory from a USB flash drive. This data can also be renamed and deleted using Digital Piano operations.

Data Type	Sub Menu Item	File Name Extension
User Song	UsrSng	CMF, MID (SMF format 0/1)
Part Practice Recording	Part Rec	LRF
User Recording	MltRec	MRF
User Rhythm	Rhythm	AC7, CKF, Z00
Registration (Bank unit)	RegMemBk	RBK
All the above data	All Data	DAL

IMPORTANT!

- **Even if a file name has one of the extensions shown in the table above, you may not be able to import it into Digital Piano memory if the data was created with a non-compatible device, etc.**

■ To save Digital Piano data to a USB flash drive

1. Insert the USB flash drive into the Digital Piano's 27 USB Type A port.

2. Press 15 FUNCTION.

3. Use the 14 dial to display "Media", and then press 15 ENTER.

4. Use the 14 dial to display "Save", and then press 15 ENTER.

5. Use the 14 dial to display a sub-menu item of options that correspond to the type of data being saved.

- See "Sub Menu Item/File Name Extension List" (page EN-51).

6. Press 15 ENTER.

- If "All Data" is selected in step 5, step 7 is not required. Proceed to step 8.

7. Use the 14 dial to select the data to be saved, and then press 15 ENTER.

8. Input the file name you want to use.

- See "Text Character Input" (page EN-13) for information about how to enter text.
- To cancel character input and return to the unedited file name, long-press 15 ENTER.

9. To apply the new file name, press 21 STORE.

This displays "Sure?"

- The message "Replace?" will appear if there is already data with the same name on the USB flash drive. If this happens, pressing 15 ENTER in step 10 below will overwrite the existing data with the new data.

10. Press 15 ENTER to save.

- To cancel the operation, long-press 15 ENTER.
- Pressing 15 ENTER displays "Wait..." (operation in progress). Do not perform any operation while this message is displayed. "Complete" is displayed after the operation is complete.

11. To exit the operation, press 16 TONE.

■ To load data from a USB flash drive to Digital Piano memory

1. Perform steps 1, 2, and 3 under "To save Digital Piano data to a USB flash drive" (page EN-51).

2. Use the 14 dial to display "Load", and then press 15 ENTER.

3. Use the 14 dial to display a sub-menu item of options that correspond to the type of data being imported.

- See "Sub Menu Item/File Name Extension List" (page EN-51).

4. Press 15 ENTER.

This displays a file name of data that can be imported.

5. Use the 14 dial to select the data you want to import into Digital Piano memory.

- If "All Data" is selected in step 3, steps 6 and 7 below are not required. Proceed to step 8.
- Pressing 6 **CATEGORY** at this time displays the data file name extension. Pressing 6 **CATEGORY** again returns to the file name display. The FUNCTION indicator flashes while the file name is displayed.

6. Press 15 ENTER.

7. Use the 14 dial to specify the number of the user area where imported data should be stored.

8. Press 15 ENTER.

This displays "Sure?"

- If you displayed "All Data" in step 3 of this procedure or if the user area you specified in step 7 already contains data, the message "Replace?" will appear. If this happens, pressing 15 **ENTER** in step 9 below will overwrite the existing data in the user area with the imported data.

9. Press 15 ENTER to import.

- To cancel the operation, long-press 15 **ENTER**.
- Pressing 15 **ENTER** displays "Wait..." (operation in progress). Do not perform any operation while this message is displayed. "Complete" is displayed after the operation is complete.

10. To exit the operation, press 16 TONE.

■ To delete USB flash drive data

1. Perform steps 1, 2, and 3 under "To save Digital Piano data to a USB flash drive" (page EN-51).

2. Use the 14 dial to display "Delete", and then press 15 ENTER.

3. Use the 14 dial to display a sub-menu item of options that correspond to the type of data being deleted.

- See "Sub Menu Item/File Name Extension List" (page EN-51).

4. Press 15 ENTER.

5. Use the 14 dial to select the data to be deleted, and then press 15 ENTER.

- Pressing 6 **CATEGORY** at this time displays the data file name extension. Pressing 6 **CATEGORY** again returns to the file name display. The FUNCTION indicator flashes while the file name is displayed.

6. Press 15 ENTER.

This displays "Sure?"

7. To delete the data, press 15 ENTER.

- To cancel the operation, long-press 15 **ENTER**.
- Pressing 15 **ENTER** displays "Wait..." (operation in progress). Do not perform any operation while this message is displayed. "Complete" is displayed after the operation is complete.

8. To exit the operation, press 16 TONE.

■ **To rename USB flash drive data**

1. Perform steps 1, 2, and 3 under "To save Digital Piano data to a USB flash drive" (page EN-51).

2. Use the 14 dial to display "Rename", and then press 15 ENTER.

3. Use the 14 dial to display a sub-menu item of options that correspond to the type of data being renamed.
- See "Sub Menu Item/File Name Extension List" (page EN-51).

4. Press 15 ENTER.

5. Use the 14 dial to select the data to be renamed.
- Pressing 6 CATEGORY at this time displays the data file name extension. Pressing 6 CATEGORY again returns to the file name display. The FUNCTION indicator flashes while the file name is displayed.

6. Press 15 ENTER.

7. Rename the file.
- See "Text Character Input" (page EN-13) for information about how to enter text.
- To cancel character input and return to the unedited file name, long-press 15 ENTER.

8. To apply the new file name, press 21 STORE.

This displays "Sure?"
- The message "Replace?" will appear if there is already data with the same name on the USB flash drive. If this happens, pressing 15 ENTER in step 9 below will overwrite the existing data with the new data.

9. To change the name, press 15 ENTER.
- To cancel the operation, long-press 15 ENTER.
- Pressing 15 ENTER displays "Wait..." (operation in progress). Do not perform any operation while this message is displayed. "Complete" is displayed after the operation is complete.

10. To exit the operation, press 16 TONE.

Using a Computer to Copy General Song Data to a USB Flash Drive

You can use the same operations as those for built-in songs to play back files of the formats below, which are stored in the MUSICDAT folder.
- Standard MIDI files (SMF format 0/1) or CASIO MIDI files (CMF format)

1. Connect the USB flash drive to your computer.

2. Create a folder named MUSICDAT in the root directory of the USB flash drive.
- This step is not required if there is already a MUSICDAT folder in the USB flash drive's root directory.

3. Copy song data you want to play back on the Digital Piano to the MUSICDAT folder.
- For information about playback procedures, see "Playing Back a Song from a USB Flash Drive" (page EN-29).

Connecting External Devices

Connecting to a Computer

You can connect the Digital Piano to a computer and exchange MIDI data between them. You can send play data from the Digital Piano to music software running on your computer, or you can send MIDI data from your computer to the Digital Piano for playback.

■ Minimum Computer System Requirements

The minimum computer system requirements for sending and receiving MIDI data are shown below. Check to make sure that your computer complies with these requirements before connecting the Digital Piano to it.

● Operating System

Windows 8.1 *1
Windows 10 *2
macOS (OS X/Mac OS X) 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15, 11.0

*1 Windows 8.1 (32-bit, 64-bit)
*2 Windows 10 (32-bit, 64-bit)

● USB port

IMPORTANT!

- **Never connect to a computer that does not conform to the above requirements. Doing so can cause problems with your computer.**

NOTE

- For the latest news about supported operating systems, visit the website at the URL below.
https://support.casio.com/global/en/emi/manual/CDP-S360/

■ Connecting the Digital Piano to Your Computer

IMPORTANT!

- **Make sure you follow the steps of the procedure below exactly. Connecting incorrectly can make data send and receive impossible.**

1. Turn off the Digital Piano and then start up your computer.
- Do not start up the music software on your computer yet!

2. After starting up your computer, use a commercially available USB cable to connect it to the Digital Piano.
- Use a USB 2.0 or 1.1 A-B connector type USB cable.

3. Turn on the Digital Piano.
- If this is the first time you are connecting the Digital Piano to your computer, the driver software required to send and receive data will be installed on your computer automatically.

4. Start up commercially available music software on your computer.

5. Configure the music software settings to select "CASIO USB-MIDI" as the MIDI device.
- For information about how to select the MIDI device, see the user documentation that comes with the music software you are using.

IMPORTANT!

- **Be sure to turn on the Digital Piano first before starting up your computer's music software.**
- **USB send and receive is disabled during playback of a Song Bank song (page EN-26).**

NOTE

- Once you are able to connect successfully, there is no problem with leaving the USB cable connected when you turn off or turn on your computer and/or Digital Piano.
- For detailed specifications and connections that apply to MIDI data send and receive by this Digital Piano, see the latest support information provided by the website at the URL below.
  https://support.casio.com/global/en/emi/manual/CDP-S360/

- For information about the MIDI settings below, see function numbers 46 through 48 in the "Function Setting Item List" (page EN-46).

Setting Item	Function number	Description
Keyboard Channel	46	This parameter specifies the channel to be used when keyboard performance information is sent from this Digital Piano to a computer.
Local Control	47	This parameter can be used when using an external sound source to play Digital Piano notes to specify that the notes should not be sounded by the Digital Piano.
Accomp Out	48	This parameter specifies whether or not Auto Accompaniment data should be sent.

Connecting to Audio Equipment

This Digital Piano can be connected to commercially available stereo, amplifier, or recording equipment, to a portable audio player or other equipment.

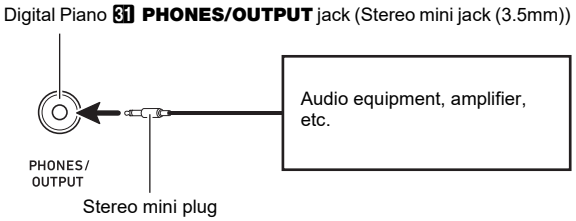
■ Outputting Keyboard Notes to Audio Equipment

Connection requires commercially available connecting cords, supplied by you.

- The connecting cords should have a stereo mini plug on one end and a plug that matches the configuration of the external device on the other end.

IMPORTANT!

- **Turn off the external device when making connections. After connecting, turn down the Digital Piano and external device volume levels whenever turning power on or off.**
- **After connecting, turn on the Digital Piano and then the external device.**
- **If keyboard notes are distorted when they are sounded from external audio equipment, lower the Digital Piano's volume setting.**



■ Playing an External Device from the Digital Piano

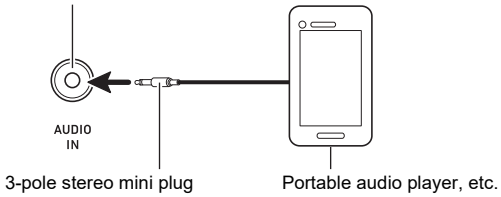
Connection requires commercially available connecting cords, supplied by you.

- The connecting cords should have a 3-pole stereo mini plug on one end and a plug that matches the configuration of the external device on the other end.
- When sounding audio on the Digital Piano that is input from an external device, use the external device to adjust the volume level. You cannot adjust the volume level on the Digital Piano.

IMPORTANT!

- **Turn off the Digital Piano when making connections. After connecting, turn down the Digital Piano and external device volume levels whenever turning power on or off.**
- **After connecting, turn on the external device and then the Digital Piano.**
- **If external device notes that sound through the Digital Piano speakers are distorted, lower the external device's volume level setting.**

Digital Piano 32 **AUDIO IN** jack (Stereo mini jack (3.5mm))



Linking with a Smart Device (APP Function)

You can use the APP Function to connect the Digital Piano with a phone, tablet or other smart device and perform the operations described below.

- Control the Digital Piano from a smart device (Piano Remote Controller)
- Transfer music data from a smart device

■ To download the smart device app

Download the smart device app from the CASIO website and install it on the smart device you want to use.
https://support.casio.com/global/en/emi/manual/CDP-S360/

Connecting with a Smart Device

There are two ways to connect with a smart device: connect via the Bluetooth function and/or use a commercially available USB cable.

IMPORTANT!

- **If you are using a CASIO smart device app, do not have the Digital Piano connected with the smart device using the Bluetooth function and a USB cable at the same time.**

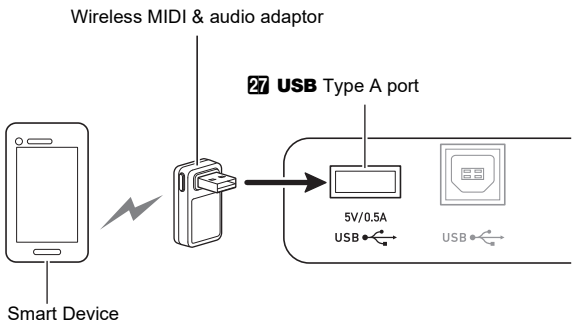
■ Using the Bluetooth Function to Link the Digital Piano with a Smart Device

You can use the Wireless MIDI & audio adaptor for the Bluetooth function linking.

1. Referring to "To download the smart device app" (page EN-56), install the app on the smart device.

2. Plug the Wireless MIDI & audio adaptor into the Digital Piano's 27 USB Type A port (page EN-10).

- After connecting the smart device to the Digital Piano, use the smart device app to perform operations. For details about operations, refer to the user documentation of the app.



IMPORTANT!

- **Do not perform any Digital Piano operation while it is in the process of connecting with the smart device app.**
- **With a Bluetooth connection, some communication environments and use of smart device functions may cause a noticeable sound distortion. If this happens, try the countermeasures below.**
  - **Refer to the app's user documentation for information about MIDI playback quality.**
  - **If your smart device is connected by Wi-Fi to another device, turn off the smart device Wi-Fi.**
  - **Use a cable connection instead of Bluetooth.**

■ Using a Cable to Connect the Digital Piano with a Smart Device

1. Referring to "To download the smart device app" (page EN-56), install the app on the smart device.

2. Use a commercially available USB cable to connect the smart device port to the Digital Piano 28 USB Type B port.

- After connecting the smart device to the Digital Piano, use the smart device app to perform operations. For details about operations, refer to the user documentation of the app.

IMPORTANT!

- **Put the mobile device you will connect with into its Airplane Mode or otherwise disable device communications.**
- **When connecting a smart device to the Digital Piano, do not connect both a USB cable and an audio cable at the same time.**
- **Connect using a USB cable that is no more than two meters long.**

Sounding a Bluetooth Audio Capable Device (Bluetooth Audio Pairing)

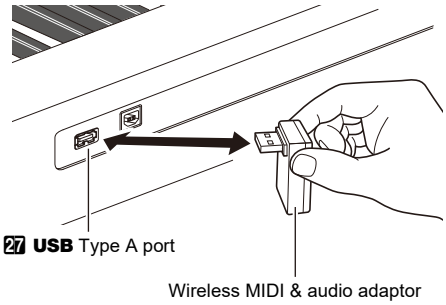
You can use the Wireless MIDI & audio adaptor (Option: WU-BT10) to pair the Digital Piano with a Bluetooth audio device and sound the playback of the external device from the Digital Piano's speakers.

IMPORTANT!

- **Before performing the pairing operation, turn down the volume levels of the Digital Piano and the external device.**
- **If external device notes sounded by this Digital Piano are distorted, lower the external device's volume level.**
- **Due to Bluetooth characteristics, you may notice some lag in notes. If that happens, connect using a USB cable.**

■ To pair the Digital Piano with a Bluetooth Audio Capable Device

1. Connect the Wireless MIDI & audio adaptor to the 27 USB Type A port.



2. On the Bluetooth setting screen that appears on the external device, turn on the Bluetooth function if it is off.

3. Press 15 FUNCTION.

4. Use the 14 dial to display "APairing" and then press 15 ENTER.

5. Use the 14 dial to display "Pairing" and then press 15 ENTER.

This causes "Pairing" to flash, which indicates pairing standby.

- To cancel pairing, press 15 **ENTER** again.
- If the Digital Piano's wireless function is turned off, it will turn on automatically.

6. Use the setting screen of the Bluetooth audio capable device to select "WU-BT10 AUDIO" to pair with this Digital Piano.

- When pairing is complete, a piano tone sounds as a notification tone.
- Now output from the external device will sound from the Digital Piano's speakers.

NOTE

- You need to turn on both the Digital Piano's wireless function and the Bluetooth audio capable device's Bluetooth function.
- To change the Digital Piano's wireless settings, see "Enabling and Disabling the Digital Piano's Wireless Function" (page EN-60).
- Information about the last Bluetooth audio capable devices connected to this Digital Piano is registered by the Wireless MIDI & audio adaptor. Because of this, it can automatically perform Bluetooth audio pairing with the same device, so you will not need to perform the Bluetooth audio pairing operation again.

■ Deleting Bluetooth Audio Capable Device Pairing Registration

NOTE

- Performing the procedure below will delete the pairing registration between this Digital Piano and its currently paired Bluetooth audio capable device. If you are experiencing connectivity problems with a Bluetooth audio capable device, perform the procedure below and then perform the procedure under "Sounding a Bluetooth Audio Capable Device (Bluetooth Audio Pairing)" (page EN-58).
- After performing the procedure below, you should also clear the Digital Piano connection logs from all of the Bluetooth audio devices that have been paired with the Digital Piano. For information about how to do this, refer to the user documentation of each Bluetooth audio device.

1. Connect the Wireless MIDI & audio adaptor to the 27 USB Type A port.

- You will not be able to delete a Bluetooth audio paring registration unless a Wireless MIDI & audio adaptor is connected to the Digital Piano.

2. Press 15 FUNCTION.

3. Use the 14 dial to display "APairing" and then press 15 ENTER.

4. Use the 14 dial to display "PairgClr" and then press 15 ENTER.

This causes "Sure?" to appear on the display.

- The next step below executes the delete operation. To cancel the delete operation, long-press 15 ENTER.

5. To execute the delete operation 15 ENTER.

This terminates Bluetooth connection.

- If the Digital Piano's wireless function is turned off, it will turn on automatically.

Connect the Digital Piano with a Bluetooth Low Energy MIDI Device

You can use the Wireless MIDI & audio adaptor (Option: WU-BT10) to connect the Digital Piano with a Bluetooth Low Energy MIDI device.

1. Connect the Wireless MIDI & audio adaptor to the 27 USB Type A port.

2. Use the setting screen of app you installed on your Bluetooth Low Energy MIDI device to select "WU-BT10 MIDI" and connect with the Digital Piano.

- When connection is complete, a vibraphone tone sounds as a notification tone.

IMPORTANT!

- **Do not perform any Digital Piano operation while it is in the process of connecting with a Bluetooth Low Energy MIDI device.**

NOTE

- You need to turn on both the Digital Piano's wireless function and the Bluetooth Low Energy MIDI device's Bluetooth function.
- To change the Digital Piano's wireless settings, see "Enabling and Disabling the Digital Piano's Wireless Function" (page EN-60).
- You need to perform the above connection operation each time you connect with a Bluetooth Low Energy MIDI device.
- Depending on the device you are using and its operating system version, connecting with Bluetooth audio and Bluetooth Low Energy MIDI at the same time may cause unstable MIDI operation. If this happens, disconnect the Bluetooth audio.

Enabling and Disabling the Digital Piano's Wireless Function

1. Connect the Wireless MIDI & audio adaptor to the 27 USB Type A port.

2. Press 15 FUNCTION.

3. Use the 14 dial to display "Wireless" and then press 15 ENTER.

4. Use the 14 dial to display "WirlesFn" and then press 15 ENTER.

- Each press of 15 **ENTER** toggles the wireless function between enabled and disabled.

■ Notification Tones

A change in the Bluetooth connection causes a notification tone to sound.

This type of connection:	Sounds this notification tone:
Connection with a Bluetooth audio device	Rising piano tone melody
Disconnection from a Bluetooth audio device	Falling piano tone melody
Connection with a Bluetooth Low Energy MIDI device	Rising vibraphone tone melody
Disconnection from a Bluetooth Low Energy MIDI device	Falling vibraphone tone melody

Adjusting the Notification Tone Volume Level

1. Press 15 FUNCTION.

2. Use the 14 dial to display "Wireless" and then press 15 ENTER.

3. Use the 14 dial to display "NotifVol" and then press 15 ENTER.

This causes "NUM" to appear.

4. Use the 14 dial to adjust the volume level.

- You can specify a volume level value from 0 to 127.

Checking the Bluetooth Connection Status

1. Press 15 FUNCTION.

2. Use the 14 dial to display "Wireless" and then press 15 ENTER.

3. Use the 14 dial to display "Con MIDI" or "ConAudio".

- Display "Con MIDI" for a Bluetooth Low Energy MIDI-capable device, and "ConAudio" for a Bluetooth Audio-capable device.
- The current connection status is shown on the display.

Indicator	Description
con	Connected with supported device
---	Not connected with supported device

Troubleshooting

Symptom	Action
Included Accessories	
I can't find something that should be here.	Carefully check inside all of the packing materials.
Power Requirements	
Power will not turned on.	• Check the AC adaptor or make sure that the batteries are facing correctly (page EN-7). • Replace the batteries with new ones or switch over to AC adaptor power (page EN-7).
The display lights up momentarily but power does not turn on when I press the 1 ⏻ (Power) button.	Press 1 ⏻ (Power) firmly and completely to turn on power.
The Digital Piano outputs a loud sound and then suddenly powers down.	Replace the batteries with new ones or switch over to AC adaptor power (page EN-7).
The Digital Piano suddenly turns off after some time when power is left on.	Auto Power off (page EN-9) may have been triggered. Press the 1 ⏻ (Power) button to turn power back on.
Display	
The display keeps going out or are flashing.	Replace the batteries with new ones or switch over to AC adaptor power (page EN-7).
Screen contents are visible only from straight ahead.	This is due to production limitations. It does not indicate malfunction.
Sound	
Nothing happens when I press any keyboard key.	• Adjust the volume setting (page EN-9). • Check if something is plugged into 31 **PHONES/OUTPUT** jack on the back of the Digital Piano. • Turn power off and then back on to initialize all Digital Piano settings (page EN-9).
Nothing happens or notes do not play normally when I play notes on the left side of the keyboard.	Press 13 **[ACCOMP]** to disable chord input in the accompaniment keyboard area (page EN-31).
Nothing happens when I start an Auto Accompaniment.	• With rhythms 191 to 200, nothing will sound until you play a chord on the keyboard. Try playing a chord (page EN-31). • Check and adjust the accompaniment volume setting (page EN-35). • If there is no user rhythm stored in memory, Auto Accompaniment will not start when you press 12 **START/STOP** while a rhythm in the range of 201 to 210 is selected (page EN-37). • Turn power off and then back on to initialize all Digital Piano settings (page EN-9).
Nothing happens when I start playback of a built-in song.	• It takes a little time after you press the button until the song starts to play. Wait for a moment for the song to start. • Check and adjust the song volume (page EN-27). • If there is no user song stored in memory, song playback will not start when you press 12 ▶/■ while a song in the range of 153 to 168 is selected (page EN-40). • Turn power off and then back on to initialize all Digital Piano settings (page EN-9).
The metronome does not sound.	• Check and adjust the metronome volume setting (page EN-18). • Turn power off and then back on to initialize all Digital Piano settings (page EN-9).
Notes keep sounding, without stopping.	• Turn power off and then back on to initialize all Digital Piano settings (page EN-9). • Replace the batteries with new ones or switch over to AC adaptor power (page EN-7).

	Symptom	Action
	Some notes are cut off while they are playing.	Notes are cut off whenever the number of notes being sounded exceeds the maximum polyphony value of 64 (32 for some tones). This does not indicate malfunction.
	The volume or tone setting I made has changed.	• Adjust the volume setting (page EN-9). • Turn power off and then back on to initialize all Digital Piano settings (page EN-9). • Replace the batteries with new ones or switch over to AC adaptor power (page EN-7).
	Output volume does not change even though I change my keyboard touch.	• Change the Touch Response setting (page EN-17). • Turn power off and then back on to initialize all Digital Piano settings (page EN-9).
	In certain keyboard ranges, the volume and tone quality sound are slightly different from those in other keyboard ranges.	This is due to system limitations. It does not indicate malfunction.
	With some tones, octaves do not change at the far ends of the keyboard.	This is due to system limitations. It does not indicate malfunction.
	The pitch of the notes does not match other accompanying instruments or sounds strange when played along with other instruments.	• Check and adjust the transpose (page EN-23) and tuning settings (page EN-24). • Turn power off and then back on to initialize all Digital Piano settings (page EN-9).
	The reverb of notes seems to change suddenly.	• Check and adjust the reverb setting (page EN-17). • Turn power off and then back on to initialize all Digital Piano settings (page EN-9).
Operation		
	When I perform a skip forward or skip back operation, the skip operation moves multiple song measures instead of only a single measure.	While song playback is stopped, skip forward and skip back operations are performed in phrase units.
	Tone, rhythm, and other settings revert to their initial defaults whenever you turn on the Digital Piano.	Though Digital Piano settings reset when you turn off the Digital Piano (page EN-9), you can save setups to registration memory for instant recall whenever you need them (page EN-38).
Computer Connection		
	I can’t exchange data between the Digital Piano and a computer.	• Check to make sure that the USB cable is connected to the Digital Piano and computer, and that the device is selected correctly with your computer’s music software settings (page EN-54). • Turn off the Digital Piano and then exit the music software on your computer. Next, turn the Digital Piano back on and then restart the music software on your computer.

Error Messages

Display	Cause	Action
Err Limit	You are attempting to record more than 999 measures.	Make your recordings up to 999 measures long.
Err Mem Full	You are attempting a recording that exceeds the allowable per-song limit.	Keep song recordings with the allowable per-song limit.
Err DataFull	You are attempting to record more than 5 multi-track songs.	Delete some of the songs in memory.
Err No Media	The USB flash drive is not plugged correctly into the 27 **USB** Type A port.	Correctly plug the USB flash drive into the 27 **USB** Type A port.
	The USB flash drive was removed while some operation was in progress.	Do not remove the USB flash drive while any operation is in progress.
	The USB flash drive is write-protected.	Write-enable the USB flash drive.
	The USB flash drive is protected by anti-virus software.	Use a USB flash drive that is not protected by anti-virus software.
Err No File	There is no loadable or playable file in the MUSICDAT folder.	Move the file you want to load into the “MUSICDAT” folder or the file you want to play into the “MUSICDAT” folder (page EN-53).
Err No Data	You are selecting a user data item that does not have any data stored to it.	Select a user data item that has data stored to it.
Err ReadOnly	A read-only file with the same name you are trying to use is already stored on USB flash drive.	• Change the name and then save the new data. • Remove the read-only attribute from the existing USB flash drive file and overwrite it with the new data. • Use a different USB flash drive.
Err MediaFul	There is not enough space available on the USB flash drive.	Delete some of the files on the USB flash drive to make room for new data or use a different USB flash drive.
Err NotSMF01	You are attempting to play back SMF Format 2 song data.	Playback of SMF Format 0 or Format 1 only is supported.
Err Large Sz	The SMF file on the USB flash drive cannot be played because it is too big	Playback of SMF files up to approximately 320 KB in size is supported.
	The data you are trying to import cannot be imported because it is too big.	The maximum data size (per data item) when loading data into Digital Piano memory is shown below. Rhythms: Approximately 64 KB
Err WrongDat	The USB flash drive data is corrupted.	–
	USB flash drive contains data that is not supported by this Digital Piano.	–
Err Format	The USB flash drive format is not compatible with this Digital Piano.	• Use a computer or other device to change the USB flash drive format to something that is compatible with the Digital Piano (page EN-50). • Use a different USB flash drive.
	USB flash drive memory is corrupted.	Use a different USB flash drive.
Err No Adptr	A Wireless MIDI & audio adaptor is not plugged into the 27 **USB** Type A port.	Plug a Wireless MIDI & audio adaptor into the 27 **USB** Type A port.

Specifications

Model	CDP-S360BK
Keyboard	88-key piano keyboard
Touch Response	3 types, Off
Maximum Polyphony	128 notes
Tones	
Built-in Tones	700
Functions	Layer, Split
Reverb	1 to 10, Off
Chorus	1 to 4, Tone
Metronome	
Beat bell	Off, 1 to 9 (beats)
Tempo Range	20 to 255
Song Bank	
Demo Song	1
Built-in Songs	152
User Songs	10*1
User-recorded Songs	6 (See “Recorder” below.)
Auto Accompaniment	
Built-in Rhythms	200
User Rhythms	10*2
Registration	32 (4 setups × 8 banks)
Recorder	Real-time recording, playback
Keyboard Play	5 songs, 6 tracks
Play Along with a Built-in Song	1 song (L, R, LR)
Memory Capacity	Approximately 12,000 notes per song
Other Functions	
Transpose	–12 to 0 to +12 semitones
Octave Shift	Upper1/Upper2/Lower, ±2 octaves
Tuning	A4 = 415.5 to 465.9 Hz (Initial Default: 440.0 Hz), variable in 0.1 Hz steps
Scale Tuning (Temperament)	17
Music Preset	310
One Touch Preset	200
Auto Harmonize	12 types
Arpeggiator	100 types
MIDI	16 multi-timbre received, GM Level 1 standard
Pitch Bend Wheel	Pitch bend range: 0 to 24 semitones

Inputs/Outputs	
USB Port	Type A, Type B
DAMPER/ASSIGNABLE Jack	Standard jack (6.3mm) (sustain, sostenuto, soft, rhythm)
PEDAL UNIT Jack	Proprietary jack (sustain, sostenuto, soft)
PHONES/OUTPUT Jack	Stereo mini jack (3.5mm) Output Impedance: 3Ω, Output Voltage: 1.3V (RMS) MAX
AUDIO IN Jack	Stereo mini jack (3.5mm) Input Impedance: 10kΩ, Input Sensitivity: 200mV
Power Jack	12V DC
Power Supply	2-way
Batteries	6 AA-size alkaline batteries
Battery Life	Approximately four hours continuous operation on alkaline batteries
AC Adaptor	AD-A12150LW
Auto Power Off	Approximately four hours (under AC adaptor power) or six minutes (under battery power) after last operation; Can be disabled.
Speakers	13 cm × 7 cm (oval) × 2 (Output: 8W + 8W)
Power Consumption	12V ⎓ 10W
Dimensions	132.2 × 23.2 × 9.9 cm (52 1/16 × 9 1/8 × 3 7/8 inch)
Weight	Approximately 10.9 kg (24.0 lbs) (without batteries)

*1 Maximum capacity per song: Approximately 320 kilobytes
*2 Maximum capacity per rhythm: Approximately 64 kilobytes
(1 kilobyte = 1,024 bytes)

- Design and specifications are subject to change without notice.

Versatile Tone Map

168 VERSATILE NYLON GUITAR

Key	Velocity	Sound
C-1 - B6	1-30	Normal mp
	31-60	Normal mf
	61-75	Ghost Note
	76-90	Mute
	91-105	Hammering
	106-120	Glissando
	121-127	Open Harmonics
C7	1-127	Strum 1
C♯7	1-127	Strum 2
D7	1-127	Strum 3
E♭7	1-127	Strum 4
E7	1-127	Strum 5
F7	1-127	Strum 6
F♯7	1-127	Strum 7
G7	1-127	Strum 8
A♭7	1-127	Strum 9
A7	1-127	Strum 10
B♭7	1-127	Strum 11
B7	1-127	Strings Slap 1
C8	1-127	Strings Slap 2
C♯8	1-127	Strings Slap 3
D8	1-127	Strings Slap 4
E♭8	1-127	Strings Slap 5
E8	1-127	Body 1
F8	1-127	Body 2
F♯8	1-127	Body 3
G8	1-127	Body 4
A♭8	1-127	Body 5
A8	1-127	Body 6
B♭8	1-127	Body 7
B8	1-127	Body 8
C9	1-127	Fret Noise1
C♯9	1-127	Fret Noise2
D9	1-127	Fret Noise3
E♭9	1-127	Fret Noise4
E9	1-127	Fret Noise5
F9	1-127	Head String1
F♯9	1-127	Head String2
G9	1-127	Head String3

169 VERSATILE STEEL GUITAR

Key	Velocity	Sound
C-1 - B6	1-30	Normal mp
	31-60	Normal mf
	61-75	Ghost Note
	76-90	Mute
	91-105	Hammering
	106-120	Glissando
	121-127	Open Harmonics
C7	1-127	Strum 1
C♯7	1-127	Strum 2
D7	1-127	Strum 3
E♭7	1-127	Strum 4
E7	1-127	Strum 5
F7	1-127	Strum 6
F♯7	1-127	Strum 7
G7	1-127	Strum 8
A♭7	1-127	Strum 9
A7	1-127	Strings Slap 1
B♭7	1-127	Strings Slap 2
B7	1-127	Strings Slap 3
C8	1-127	Strings Slap 4
C♯8	1-127	Strings Slap 5
D8	1-127	Strings Slap 6
E♭8	1-127	Strings Slap 7
E8	1-127	Body 1
F8	1-127	Body 2
F♯8	1-127	Body 3
G8	1-127	Body 4
A♭8	1-127	Body 5
A8	1-127	Body 6
B♭8	1-127	Body 7
B8	1-127	Body 8
C9	1-127	Fret Noise1
C♯9	1-127	Fret Noise2
D9	1-127	Fret Noise3
E♭9	1-127	Fret Noise4
E9	1-127	Fret Noise5
F9	1-127	Head String1
F♯9	1-127	Head String2
G9	1-127	Head String3

170 VERSATILE SINGLE COIL E.GUITAR

Key	Velocity	Sound
C-1 - B6	1-30	Normal mp
	31-60	Normal mf
	61-75	Ghost Note
	76-90	Mute
	91-105	Hammering
	106-120	Glissando
	121-127	Open Harmonics
C7	1-127	Strum 1
C♯7	1-127	Strum 2
D7	1-127	Strum 3
E♭7	1-127	Strum 4
E7	1-127	Strum 5
F7	1-127	Strum 6
F♯7	1-127	Strum 7
G7	1-127	Strum 8
A♭7	1-127	Strum 9
A7	1-127	Strum 10
B♭7	1-127	Strum 11
B7	1-127	Strum 12
C8	1-127	Strum 13
C♯8	1-127	Strum 14
D8	1-127	Low Ghost Note 1
E♭8	1-127	Low Ghost Note 2
E8	1-127	Low Ghost Note 3
F8	1-127	Low Ghost Note 4
F♯8	1-127	Low Ghost Note 5
G8	1-127	Low Ghost Note 6
A♭8	1-127	Low Ghost Note 7
A8	1-127	Low Ghost Note 8
B♭8	1-127	Low Ghost Note 9
B8	1-127	Low Ghost Note 10
C9	1-127	Fret Noise1
C♯9	1-127	Fret Noise2
D9	1-127	Fret Noise3
E♭9	1-127	Fret Noise4
E9	1-127	Fret Noise5
F9	1-127	Fret Noise6
F♯9	1-127	Fret Noise7
G9	1-127	Fret Noise8

219 VERSATILE ELECTRIC BASS 1

Key	Velocity	Sound
C-1 - B6	1-60	Normal mf
	61-80	Normal ff
	81-120	Ghost Note
	121-127	Slap
C7	1-127	Gliss 1
C♯7	1-127	Gliss 2
D7	1-127	Gliss 3
E♭7	1-127	Gliss 4
E7	1-127	Gliss 5
F7	1-127	Gliss 6
F♯7	1-127	Gliss 7
G7	1-127	Fret Noise 1
A♭7	1-127	Fret Noise 2

220 VERSATILE ELECTRIC BASS 2

Key	Velocity	Sound
C-1 - B6	1-60	Normal mf
	61-80	Normal ff
	81-120	Ghost Note
	121-127	Slap
C7	1-127	Gliss 1
C♯7	1-127	Gliss 2
D7	1-127	Gliss 3
E♭7	1-127	Gliss 4
E7	1-127	Gliss 5
F7	1-127	Gliss 6
F♯7	1-127	Gliss 7
G7	1-127	Fret Noise 1
A♭7	1-127	Fret Noise 2

286 VERSATILE BRASS 1

Key	Velocity	Sound
C-1 - G9	1-20	Normal mf
	21-40	Normal f
	41-60	Normal ff
	61-80	Attack
	81-90	Schoop
	91-100	Shake
	101-110	Falls Fast mf
	111-120	Falls Fast f
	121-127	Gliss up

287 VERSATILE BRASS 2

Key	Velocity	Sound
C-1 - G9	1-30	Normal f
	31-60	Normal ff
	61-75	Attack
	76-90	Schoop
	91-105	Shake
	106-120	Falls Fast f
	121-127	Gliss up

Fingering Guide

■ FINGERED 1, FINGERED 2 Chords

C	*4 *4 *4
Cm	*4
Cdim	
Caug *3	
C♭5	
Csus4 *3	
Csus2 *3	
C7	*4
Cm7 *3	
CM7	*4
CmM7	
Cdim7 *3	*4
CdimM7	
C7♭5 *3	
Cm7♭5 *3	
CM7♭5	
Caug7	
CaugM7	
C7sus4	
C6 *1 *3	
Cm6 *2 *3	
Cadd9	
Cmadd9	
C69 *3	
Cm69 *3	

*1 With FINGERED 2, interpreted as Am7.
*2 With FINGERED 2, interpreted as Am7♭5.
*3 Inverted form not supported in some cases.
*4 These fingerings are special fingerings for Digital Piano chord input, and so they are not suitable for normal keyboard play.

■ FINGERED ON BASS, FULL RANGE CHORD

In addition to the chords that can be fingered with FINGERED 1 and FINGERED 2, the chords below also are recognized.

C♯/C • D/C • F/C • F♯/C • G/C • A♭/C • A/C • B♭/C • C♯m/C • Dm/C • Fm/C
F♯m/C • Gm/C • A♭m/C • Am/C • B♭m/C • Bm/C • C♯dim/C • Ddim/C
Fdim/C • F♯dim/C • Gdim/C • A♭dim/C • Adim/C • Bdim/C • F7/C • A♭7/C
Fm7/C • FM7/C • A♭M7/C • F♯m7♭5/C • Gm7/C • G7/C • A♭add9/C

NOTE

- With FINGERED ON BASS, the lowest note fingered is interpreted as the base note. Inverted forms are not supported.
- With FULL RANGE CHORD, when the lowest note fingered is a certain distance from the neighboring note, the chord is interpreted as a fraction chord.
- Unlike FINGERED 1, 2, and FINGERED ON BASS, FULL RANGE CHORD requires pressing of at least three keys to form a chord.

Chord Example List

*2 \ *1	C	C♯/(D♭)	D	(D♯)/E♭	E	F
M						
m						
dim						
aug						
sus4						
sus2						
7						
m7						
M7						
m7♭5						
7♭5						
7sus4						
add9						
madd9						
mM7						
dim7						
69						
6						
m6						

• You can use the split point to change the size of the accompaniment keyboard range (page EN-16). *1 Root *2 Chord Type

*2 \ *1	F♯/(G♭)	G	(G♯)/A♭	A	(A♯)/B♭	B
M						
m						
dim						
aug						
sus4						
sus2						
7						
m7						
M7						
m7♭5						
7♭5						
7sus4						
add9						
madd9						
mM7						
dim7						
69						
6						
m6						

• You can use the split point to change the size of the accompaniment keyboard range (page EN-16). *1 Root *2 Chord Type

Model: CDP-S360 **Version : 1.0**

MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1 1 - 16	1 - 16 1 - 16	
Mode	Default Messages Altered	Mode 3 X ✻ ✻ ✻ ✻ ✻ ✻ ✻	Mode 3 X ✻ ✻ ✻ ✻ ✻ ✻ ✻	
Note Number	 True voice	12 - 120 ✻ ✻ ✻ ✻ ✻ ✻ ✻	0 - 127 0 - 127 *1	
Velocity	Note ON Note OFF	O 9nH v = 1 - 127 O 8nH v = 0 - 127	O 9nH v = 1 - 127 O 8nH v = 0 - 127, 9nH v = 0	
After Touch	Key's Ch's	X X	X O	
Pitch Bender		O	O	
Control Change	0	O	O	Bank select
	1	X *4	O	Modulation
	5	X *4	O	Portamento Time
	6, 38	X *2	O *2	Data entry LSB, MSB
	7	O *4	O	Volume
	10	O *4	O	Pan
	11	X *4	O	Expression
	64	O *3	O	Hold 1
	65	X *4	O	Portamento Switch
	66	O *3	O	Sostenuto
	67	O *3	O	Soft pedal
	71	X *4	O	Filter resonance
	72	X *4	O	Release time
	73	X *4	O	Attack time

74	X *4	O	Filter cutoff
76	X	O	Vibrato rate
77	X	O	Vibrato depth
78	X	O	Vibrato delay
84	X *4	O	Portamento Control
91	X *4	O	Reverb send level
93	X *4	O	Chorus send level
94	X *4	O	Delay send level
100, 101	X *2	O *2	RPN LSB, MSB
Program Change :True #	O 0 - 127 ✻✻✻✻✻✻✻	O 0 - 127	
System Exclusive	O *2	O *2	
System Common : Song Pos : Song Sel : Tune	X X X	X X X	
System Real Time : Clock : Commands	X X	X X	
Aux Messages : All sound off : Reset all controller : Local ON/OFF : All notes OFF : Active Sense : Reset	X *4 X *4 X X *4 O X	O O X O O X	
Remarks	*1: Depends on tone. *2: For details about RPN and system exclusive messages, see MIDI Implementation at https://world.casio.com/. *3: In accordance with pedal effect setting. *4: Output along with certain operations.		

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

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