CT-S100 Casiotone

EN

USER'S GUIDE

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CTS100-E-2A

CASIO

Included and Optional Accessories

Use only accessories that are specified for use with this Digital Keyboard.
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 or QR code below.
  https://support.casio.com/global/en/emi/manual/CT-S100/

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 or QR code 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/CT-S100/

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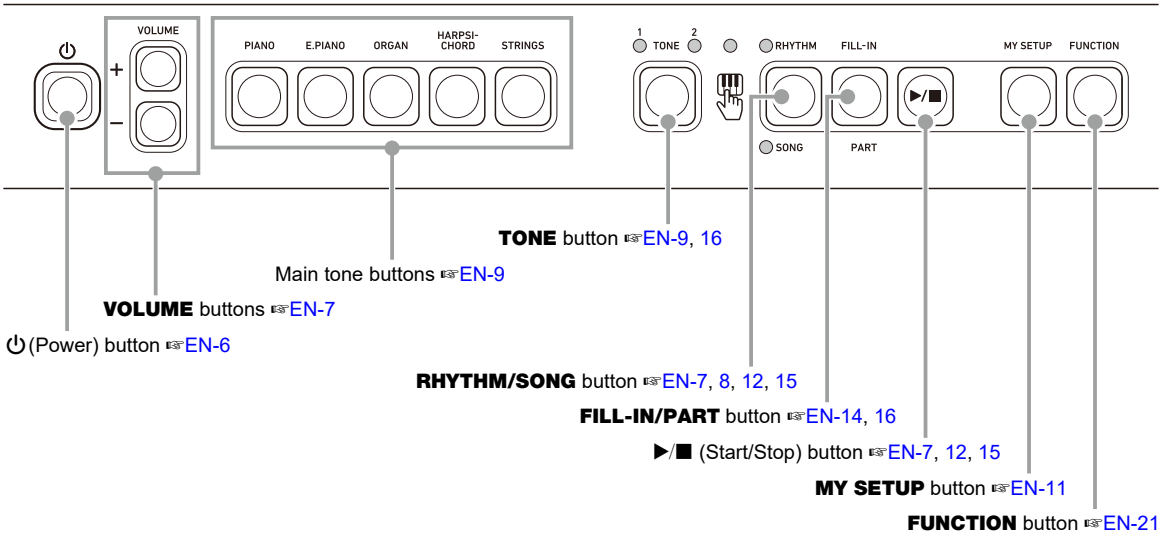
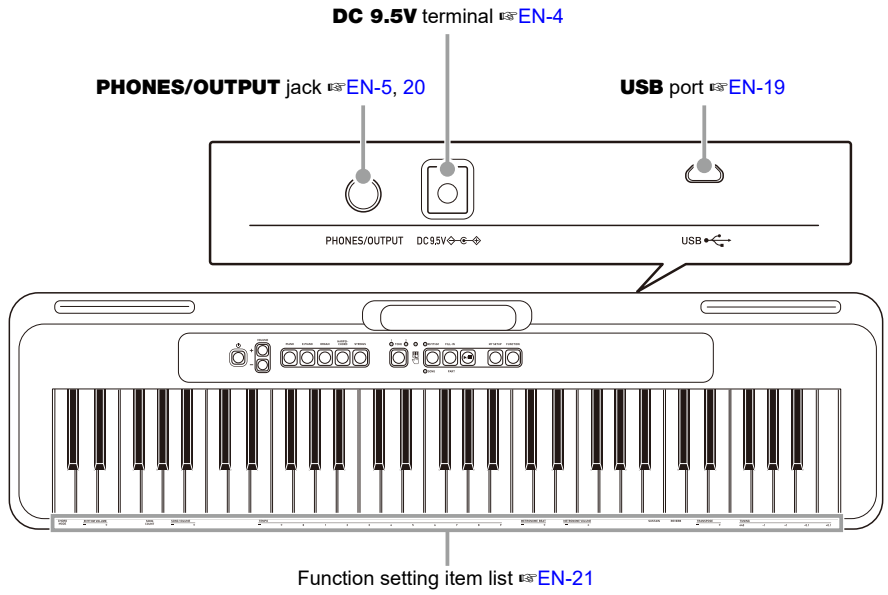
■ Front Panel



■ Back



- **The numbers to the right of the ☞ symbol are reference page numbers.**

Getting Ready to Play

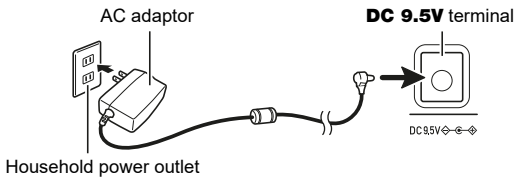
Preparing a Power Supply

Though either an AC adaptor or batteries can be used for power, use of AC adaptor power is normally recommended.

Using the AC Adaptor

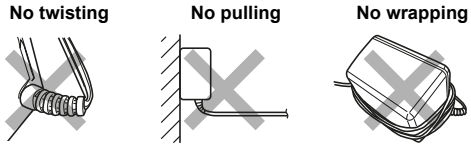
Use only the AC adaptor (JEITA Standard with unified polarity plug) specified for this Digital Keyboard. Use of a different type of AC adaptor can cause malfunction.

AC Adaptor Type: AD-E95100L
(JEITA Standard plug)



IMPORTANT!

- **Be sure to turn off Digital Keyboard power before connecting or disconnecting the AC adaptor.**
- **The AC adaptor becomes warm to the touch after very long use. This is normal and does not indicate malfunction.**
- **To prevent breaking of the wire, take care to avoid putting any type of load on the power cord.**



- **Never insert metal, pencils, or any other objects into the DC 9.5V terminal. Doing so creates the risk of accident.**

Using Batteries for Power

IMPORTANT!

- **Be sure to turn off power before loading batteries.**
- **Use commercially available AA-size alkaline batteries or AA-size rechargeable nickel metal hydride batteries.**
- **Low battery power can cause abnormal operation. If this happens, replace batteries with new ones. If you are using rechargeable batteries, charge them.**

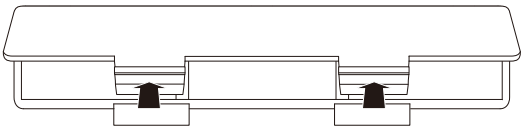
■ Batteries

Note the precautions below when using rechargeable batteries.

- Use Panasonic Group AA-size eneloop rechargeable batteries. Do not use any other type of batteries.
- Use only the specified charger to charge batteries.
- Rechargeable batteries must be removed from the product for charging.
- For information about using eneloop batteries or their specified charger, be sure to read the user documentation and precautions that come with each item, and use them only as directed.

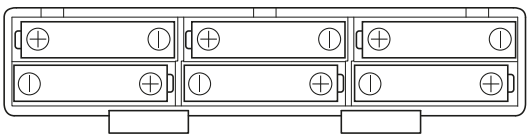
Be sure to replace batteries at least once a year, even if there is no indication of low battery power. Dead rechargeable batteries (eneloop) in particular may deteriorate if they are left in the product. Remove rechargeable batteries from the product as soon as possible after they go dead.

1. Open the battery cover on the back of the Digital Keyboard.



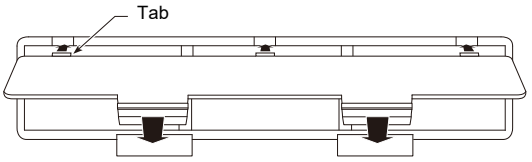
2. Load six AA-size batteries into the battery compartment.

Load batteries with their positive (+) and negative (–) ends facing correctly.



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

- Configure the setting below to specify the type of batteries you loaded.



■ Configuring the Battery Type Setting

1. While holding down FUNCTION, press the C♯2 keyboard key.

- Each press of the C♯2 keyboard key sounds a tone that lets you know what setting (alkaline batteries or nickel metal hydride batteries) was selected.
  One tone: Alkaline batteries
  Two tones: Rechargeable nickel metal hydride batteries

- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION to exit the setting operation.

■ Low Battery Indication

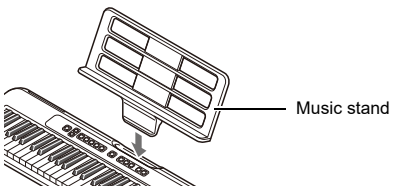
Flashing TONE LEDs indicate low battery power. When this happens, replace the batteries with new ones.

IMPORTANT!

- **Continued use with low batteries may cause power to turn off suddenly. This can cause stored data to be corrupted or lost.**

Preparing the Music Stand

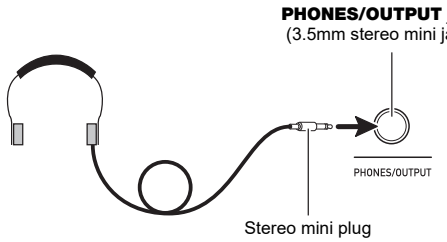
Insert the music stand into the handle of the Digital Keyboard.



Connecting Headphones (Sold Separately)

Plugging in 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 Digital Keyboard volume level before connecting headphones.



NOTE

- Headphones do not come with the Digital Keyboard.
- Use separately sold or commercially available headphones.

IMPORTANT!

- **Do not listen to output over headphones at very high volume levels for long periods. Doing so creates the risk of hearing damage.**
- **If the plug of the headphones does not match the PHONES/OUTPUT jack, use a commercially available adapter plug.**
- **If you are using headphones that require an adapter plug, make sure you do not leave the adapter plugged in when removing the headphones.**

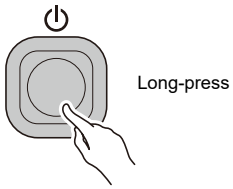
Playing on the Keyboard

Turning Power On or Off

1. Press ⏻ (Power).

This turns on power.

- To turn off power, long-press ⏻ (Power) until the LED goes out.



2. Play something on the keyboard.

IMPORTANT!

- **Turning off power normally causes the tone and rhythm number and other settings to return to their initial defaults. However, the settings below are remembered.**
  - **MIDI Out Channel**
  - **MIDI Out Octave Shift**
  - **MIDI Out Velocity**
  - **Startup volume level**
  - **MY SETUP Startup**
  - **Auto Power Off**
  - **Battery type**

Auto Power Off

While Auto Power Off is enabled, Digital Keyboard power will turn off automatically after about 30 minutes of non-operation.

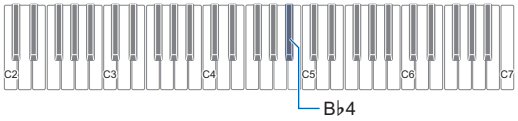
NOTE

- Auto Power Off is disabled while a song is playing.

■ Disabling Auto Power Off

You can disable Auto Power Off to ensure that power does not turn off automatically during a concert, etc.

1. While holding down FUNCTION, press the B♭4 keyboard key.

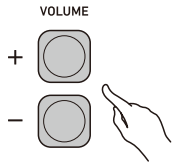


- Each press of the B♭4 keyboard key sounds a tone that lets you know what setting (on or off) was selected.
  High tone: On (enabled)
  Low tone: Off (disabled)
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. After disabling Auto Power Off, release FUNCTION.

Adjusting the Volume Level

1. Use the VOLUME + and – buttons to adjust the volume level.

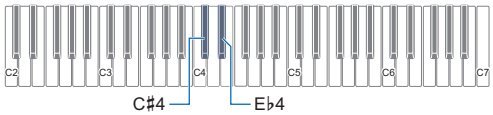


- The setting range is 0 to 10.
- Holding down either button scrolls the setting value.

Specifying the Power On Volume Level

You can use the procedure below to specify the volume level that is applied when the Digital Keyboard is turned on.

1. While holding down FUNCTION, press the C♯4 or E♭4 keyboard key to adjust the volume level setting.



- You can change the volume value within a range of 1 to 10.
- Pressing the C♯4 keyboard key lowers the volume level, while pressing E♭4 raises it.
- To return the setting to its initial default, press the C♯4 and E♭4 keyboard keys at the same time.
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION to exit the setting operation.

Using the Metronome

The metronome lets you play and practice along with a steady beat to help keep you on tempo. You can also set a tempo that is suitable for your practice.

Start/Stop

1. Press RHYTHM/SONG a number of times until the LED goes out.

2. Press ▶/■.
This starts the metronome.

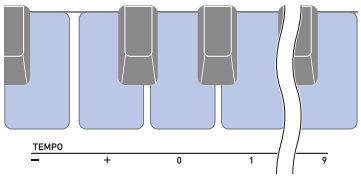
3. Press ▶/■ again to stop the metronome.

Changing the Metronome Tempo

Use the procedure below to change the tempo of the metronome.

1. Start the metronome.

2. While holding down FUNCTION, use the TEMPO keyboard keys to specify a tempo value.



- You can specify a tempo value in the range of 20 to 255.
- Each press of the – or + keyboard key raises or lowers the tempo by 1. Holding down either button scrolls the setting value.
- You can also use the TEMPO value input keys (0 to 9) to enter a specific tempo value.
- Input three digits as the tempo value.
  Example: To set a tempo of 20, input “0→2→0”.
- To return the setting to its initial default, press the – and + keyboard keys at the same time.
- The keyboard input LED is lit while **FUNCTION** is depressed.

3. Release FUNCTION to exit the setting operation.

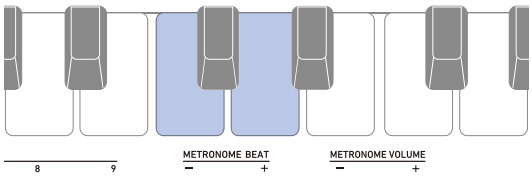
Specifying the Metronome Sound and Beats Per Measure

You can use the procedure below to configure a setting that sounds a chime on the first beat of each measure, and a click for the remaining beats.

- Available settings are Off, or a value of 1 to 16 beats.

1. Start the metronome.

2. While holding down FUNCTION, use the METRONOME BEAT – and + keyboard keys to change the beat.



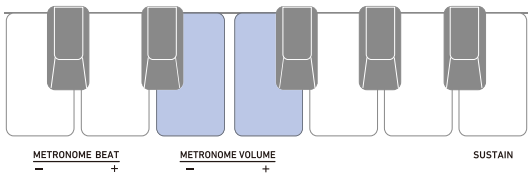
- Selecting Off (0) disables the chime. Use this setting when you want to practice without worrying about the first beat of each measure.
- To return the setting to its initial default, press the – and + keyboard keys at the same time.
- The keyboard input LED is lit while **FUNCTION** is depressed.

3. Release FUNCTION to exit the setting operation.

Changing the Metronome Sound Volume Level

1. Start the metronome.

2. While holding down FUNCTION, use the METRONOME VOLUME – and + keyboard keys to change the volume level.



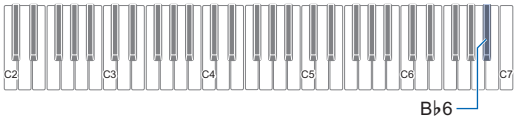
- You can specify a volume value from 0 to 10.
- To return the setting to its initial default, press the – and + keyboard keys at the same time.
- The keyboard input LED is lit while **FUNCTION** is depressed.

3. Release FUNCTION to exit the setting operation.

Listening to Demo Play

You can use Demo Play to play built-in songs in sequence.

1. While holding down FUNCTION, press the B♭6 keyboard key.



This starts song number “1”.

- This causes the SONG LED to light.
- For information about how to change the demo song, see the “Selecting a Demo Song” (page EN-8).
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION.

3. To exit Demo Play, hold down FUNCTION as you press the B♭6 keyboard key again, or press ▶/■.

Selecting a Demo Song

You can use the procedure below to change the song played by Demo Play.

1. While holding down RHYTHM/SONG, press one of the keyboard keys.

This starts Demo Play of the song you selected.

- Each of the keyboard keys has a song assigned to it. For a list of song titles, see the “Song List” (page EN-33).
- The keyboard input LED is lit while **RHYTHM/SONG** is depressed.

2. Release RHYTHM/SONG to exit the setting operation.

Controlling the Sound of a Performance

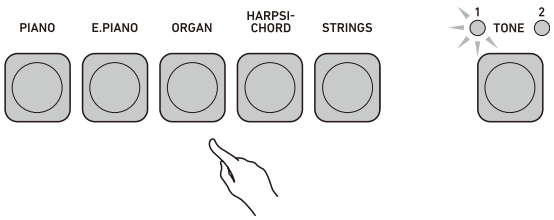
Selecting a Musical Instrument Tone

Your Digital Keyboard lets you select tones for a wide variety of musical instrument sounds, including violin, flute, orchestra, and more. Dedicated buttons give you instant access to the main tones (piano, organ, etc.) Even the same song sounds different when the instrument type is changed.

Selecting One of the Main Tones

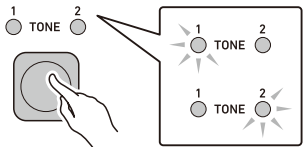
1. Press one of the main tone buttons: PIANO, E.PIANO, ORGAN, HARPSICHORD, STRINGS.

- This causes the TONE 1 LED to light.



2. To toggle between tone variations, press TONE.

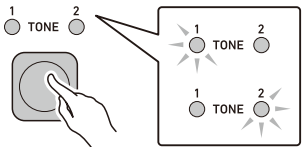
- Each press of **TONE** toggles between TONE 1 (TONE 1 LED lit, TONE 2 LED unlit) and TONE 2 (TONE 2 LED lit, TONE 1 LED unlit).



Selecting a Tone

1. Press TONE to select the tone group you want.

- Each press of **TONE** toggles between Group 1 (TONE 1 LED lit, TONE 2 LED unlit) and Group 2 (TONE 2 LED lit, TONE 1 LED unlit).



- When you select a group, keep **TONE** depressed as you continue with step 2, below.

2. While holding down TONE, press one of the keyboard keys.

This sounds the selected tone.

- Each of the keyboard keys has a tone assigned to it. For tone information, see the “Tone List” (page EN-30).

3. Release TONE to exit the setting operation.

NOTE

- Selecting a drum set tone causes various percussion instruments to be assigned to keyboard keys.

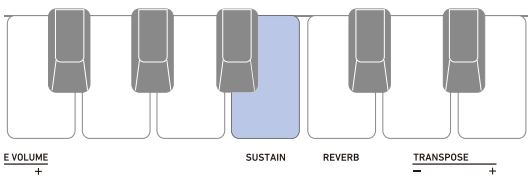
■ Tone Groups

Tones are divided into two groups: Group 1 and Group 2. After selecting the group that includes the tone you want to use, use the keyboard keys to select the tone.

Enabling and Disabling Sustain (SUSTAIN)

While sustain is enabled, notes are sustained longer when keyboard keys are released.

1. While holding down FUNCTION, press the SUSTAIN keyboard key.



This turns on sustain.

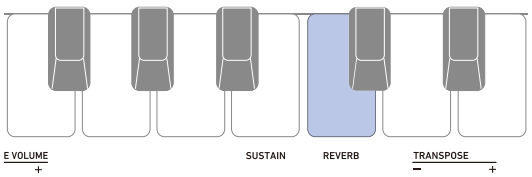
- Each press of the SUSTAIN keyboard key sounds a tone that lets you know what setting (on or off) was selected.
  High tone: On (enabled)
  Low tone: Off (disabled)
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION to exit the setting operation.

Adding Reverb to Notes (REVERB)

You can use the procedure below to add reverb to the notes you play.

1. While holding down FUNCTION, press the REVERB keyboard key to select a reverb type.



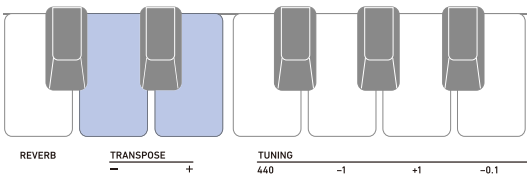
- You can specify a reverb value in the range of 1 to 4.
- Each press of the REVERB keyboard key sounds a tone that lets you know what setting was selected.
  One low tone: Off (disabled)
  One high tone: 1
  Two high tones: 2
  Three high tones: 3
  Four high tones: 4
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION to exit the setting operation.

Changing the Pitch in Semitone Steps (TRANSPOSE)

Transpose lets you raise or lower the overall pitch in semitone steps. You can use this feature to raise or lower the key to make it easier to play a piece written in a difficult key, or to adjust to a key that better matches a vocalist, another musical instrument, etc.

1. While holding down FUNCTION, use the TRANSPOSE keyboard keys to change the transpose setting.



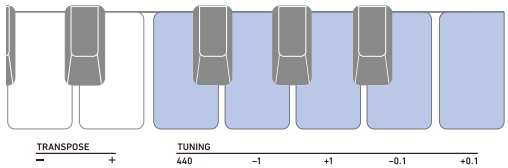
- The setting range is one octave up (+12 semitones) and down (–12 semitones).
- Pressing the – keyboard key lowers the pitch in semitone units, while pressing the + key raises the pitch in semitone units.
- To return the setting to its initial default, press the – and + keyboard keys at the same time.
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION to exit the setting operation.

Fine Tuning (Tuning)

You can use the procedure below to adjust the overall pitch by changing the frequency of A4. (0.1Hz units)

1. While holding down FUNCTION, use the TUNING keyboard keys below to adjust tuning.



440: Sets the A4 frequency to 440.0 Hz.
–1: Lowers the A4 frequency 1.0Hz.
+1: Raises the A4 frequency 1.0Hz.
–0.1: Lowers the A4 frequency 0.1Hz.
+0.1: Raises the A4 frequency 0.1Hz.

- You can specify a frequency in the range of 415.5 to 465.9 Hz.
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION to exit the setting operation.

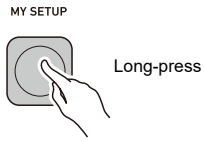
Saving and Loading Instrument Settings (MY SETUP)

You can use MY SETUP to save the setup (tone, rhythm, and other settings) of the Digital Keyboard. You can recall a saved setup when you need it to perform a particular song, etc.

Saving to MY SETUP

1. Long-press MY SETUP.

Your setup is saved when you hear an operation complete tone.



Savable Settings

You can use MY SETUP to save the items below.

- The function you are using (Tone, Rhythm, Song)
- Tempo
- Tone number
- Metronome beat
- Metronome volume level
- Sustain
- Rhythm number
- Song number
- Practice part
- Count
- Transpose
- Reverb
- Pedal
- Chord fingering mode
- Rhythm volume level
- Song volume level
- Tuning

Recalling From MY SETUP

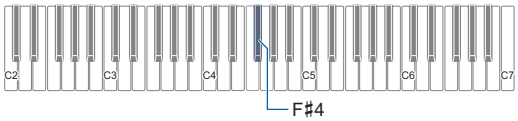
1. Press MY SETUP.

Your setup is saved when you hear an input tone.

Enabling MY SETUP Power On

Use the procedure below to enable MY SETUP power on, which causes the MY SETUP settings to be applied whenever power is turned on.

1. While holding down FUNCTION, press the F♯4 keyboard key to enable MY SETUP power on.



- Each press of the F♯4 keyboard key sounds a tone that lets you know what setting (on or off) was selected.
  High tone: On (enabled)
  Low tone: Off (disabled)
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION to exit the setting operation.

Playing a Built-in Song

Songs

With this Digital Keyboard, the term “song” is used to refer to a musical piece. You can listen to the built-in songs for your own enjoyment, or you can play along with them for practice.

Selecting a Song to Play

Starting or Stopping Song Play

1. Press RHYTHM/SONG a number of times until the SONG LED is lit.

2. While holding down RHYTHM/SONG, press one of the keyboard keys.

This starts playback of the song you selected.

- Each keyboard key has a song assigned to it. For a list of songs, see the “Song List” (page EN-33).
- The keyboard input LED is lit while **RHYTHM/SONG** is depressed.

3. Release RHYTHM/SONG.

4. Press ▶/■ to stop the song.

5. To resume the previously playing song, press ▶/■ again.

NOTE

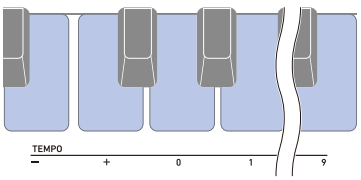
- Starting to use the Song Function while the metronome is sounding or a rhythm is playing will cause the ongoing operation to stop.

Changing a Song's Tempo (Speed)

You can use the procedure below to change the tempo (speed) and slow down playback to practice difficult passages, etc.

1. Select the song whose tempo you want to change with the Song Function.

2. While holding down FUNCTION, use the TEMPO keyboard keys to specify a tempo value.



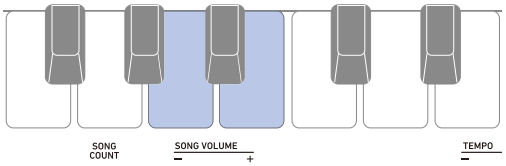
- You can specify a tempo value in the range of 20 to 255.
- Each press of the – or + keyboard key raises or lowers the tempo by 1. Holding down either button scrolls the setting value.
- You can also use the TEMPO value input keys (0 to 9) to enter a specific tempo value.
- Input three digits as the tempo value.
  Example: To set a tempo of 20, input "0→2→0".
- To return to the recommended setting for the current song, press the – and + keyboard keys at the same time.
- Changing the song number returns the song to its recommended tempo.
- The keyboard input LED is lit while **FUNCTION** is depressed.

3. Release FUNCTION to exit the setting operation.

Adjusting the Song Volume Level

Use the procedure below to adjust the balance between the volume levels of song play and what you play on the keyboard.

1. While holding down FUNCTION, use the SONG VOLUME – and + keyboard keys to adjust the volume level.



- You can change the volume value within a range of 1 to 10.
- To return the setting to its initial default, press the – and + keyboard keys at the same time.
- The keyboard input LED is lit while **FUNCTION** is depressed.

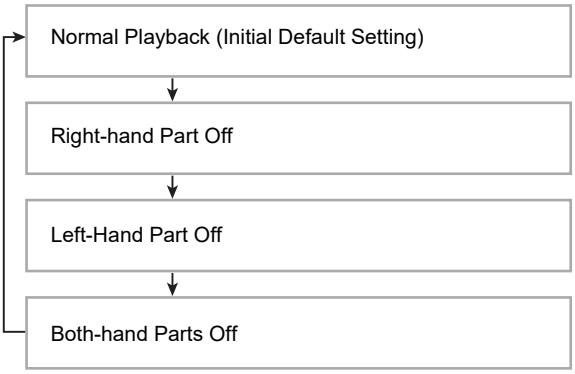
2. Release FUNCTION to exit the setting operation.

Practicing a Song Part

You can turn off the right-hand part or the left-hand part of a song you are playing and practice along with the remaining part. Use this when you feel that a song is initially too difficult for you to play with both hands at the same time.

1. While a song is playing or stopped, press FILL-IN/PART.

Each press of **FILL-IN/PART** cycles through the settings shown below.



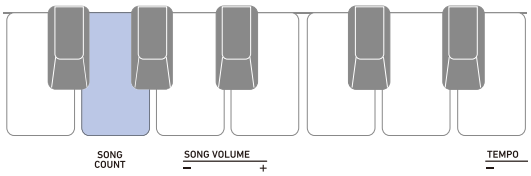
- A tone sounds to let you know which playback part is selected.
  One low tone: Off (all parts sound)
  One high tone: Right-hand part off
  Two high tones: Left-hand part off
  Three high tones: Both-hand parts off

Sounding a Count in Time with a Song

You can configure count settings to sound a count in time with a song and to sound a pre-count before a song starts.

Configuring Count Settings

1. While song play is stopped, hold down FUNCTION as you press the SONG COUNT keyboard key to specify a count setting.



- Each press of the SONG COUNT keyboard key sounds a tone that lets you know what setting was selected.
  One low tone: Off (disabled)
  One high tone: Count
  Two high tones: Pre-count
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION.

3. Press ▶/■ to start playback.

- Playback starts in accordance with the count type you selected.
  Count: A count sounds throughout song playback.
  Pre-count: A count sound at the beginning of the song, before actual playback starts.
- To turn off a count, stop the song and repeat step 1 of this procedure until you hear one low tone.

Playing with a Rhythm Backing

You can use the procedures in this section to select the rhythm you want, and then automatically play accompaniments to suit it simply by playing chords with your left hand. It's like having a personal backup group along with you wherever you go.

NOTE

- Auto Accompaniments are made up of the parts (instruments) below.
  - Rhythm (percussion)
  - Bass (bass instruments)
  - Harmony (other instruments)

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

Rhythm

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

Playing a Rhythm

1. Press RHYTHM/SONG a number of times until the RHYTHM LED is lit.

2. While holding down RHYTHM/SONG, press one of the keyboard keys.

This starts playback of the rhythm you selected.

- Each of the keyboard keys has a rhythm assigned to it. For information about rhythms, see the "Rhythm List" (page EN-34).
- The keyboard input LED is lit while **RHYTHM/SONG** is depressed.

3. Release RHYTHM/SONG.

4. To stop playback, press ▶/■.

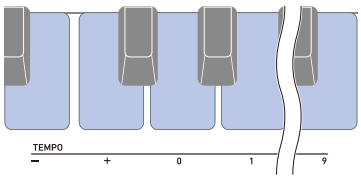
5. To resume the previously playing rhythm, press ▶/■ again.

Changing the Tempo of a Rhythm

Use the procedure below to change tempo to a speed that suits you.

1. Select the rhythm whose tempo you want to change with the Rhythm Function.

2. While holding down FUNCTION, use the TEMPO keyboard keys to specify a tempo value.



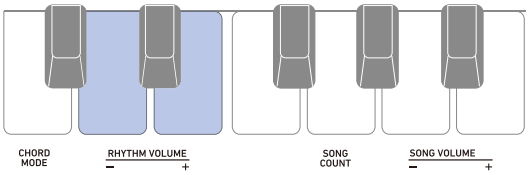
- You can specify a tempo value in the range of 20 to 255.
- Each press of the – or + keyboard key raises or lowers the tempo by 1. Holding down either button scrolls the setting value.
- You can also use the TEMPO value input keys (0 to 9) to enter a specific tempo value.
- Input three digits as the tempo value.
  Example: To set a tempo of 20, input "0→2→0".
- To return to the recommended value, press the – and + keyboard keys at the same time.
- The keyboard input LED is lit while **FUNCTION** is depressed.

3. Release FUNCTION to exit the setting operation.

Changing the Volume Level of a Rhythm

Use the procedure below to adjust the balance between the volume levels of keyboard play and the rhythm.

1. While holding down FUNCTION, use the RHYTHM VOLUME – and + keyboard keys to adjust the volume level.



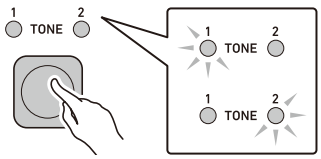
- You can change the volume value within a range of 1 to 10.
- To return the setting to its initial default, press the RHYTHM VOLUME – and + keyboard keys at the same time.
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION to exit the setting operation.

Changing the Keyboard Tone While a Rhythm is Playing

1. While a rhythm is playing, use TONE to select the tone group you want.

- Each press of **TONE** toggles between Group 1 (TONE 1 LED lit, TONE 2 LED unlit) and Group 2 (TONE 2 LED lit, TONE 1 LED unlit).



- When you select a group, keep **TONE** depressed as you continue with step 2, below.

2. While holding down TONE, press one of the keyboard keys.

This sounds the selected tone.

- Each of the keyboard keys has a tone assigned to it. For tone information, see the “Tone List” (page EN-30).

3. Release TONE to exit the setting operation.

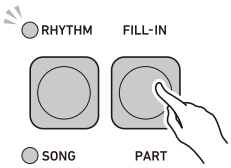
Inserting a Fill-in Phrase

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 as an accent.

1. While a rhythm is playing, press FILL-IN/PART.

This inserts a fill-in phrase that plays to the end of the measure. The RHYTHM LED flashes while the fill-in phrase is sounding.

- To continue play of the fill-in phrase through the following measure, keep **FILL-IN/PART** depressed.
- If you press **FILL-IN/PART** while a rhythm is stopped, the fill-in phrase will be put into standby and played when the rhythm is started.
  In this case, you can cancel fill-in phrase standby by pressing the **FILL-IN/PART** button again before starting the rhythm.



Fingering a Chord to Play a Rhythm Accompaniment

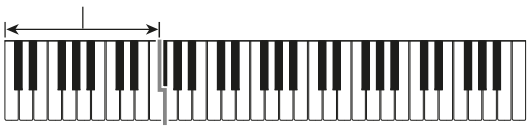
Playing a chord with your left hand automatically adds bass and harmony accompaniment parts to the currently selected rhythm. It is just like having your own personal back up group on call.

1. Start the rhythm.

2. Play something on the accompaniment keyboard.

This starts the accompaniment, sounding the bass, harmony, and other non-rhythm instruments.

Accompaniment keyboard



NOTE

- Playing a chord while rhythm play is stopped will cause rhythm and accompaniment to start at the same time.

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

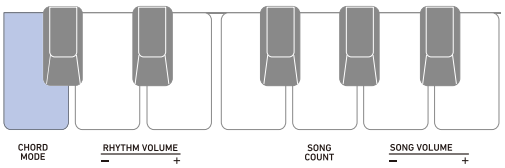
4. To stop the rhythm, press ▶/■.

Selecting a Chord Fingering Mode

You can select from among the six chord fingering modes below.

- CASIO CHORD
- FINGERED 1
- FINGERED 2
- FINGERED ON BASS
- FINGERED ASSIST
- FULL RANGE CHORD

1. While holding down FUNCTION, use the CHORD MODE keyboard keys to specify a chord fingering mode.



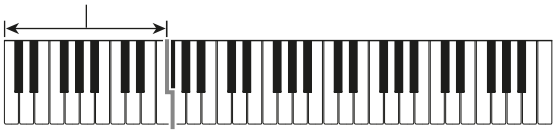
- Each press of the CHORD MODE keyboard key sounds a tone that lets you know what setting was selected.
  One low tone: Off
  One high tone: CASIO CHORD
  Two high tones: FINGERED 1
  Three high tones: FINGERED 2
  Four high tones: FINGERED ON BASS
  Five high tones: FINGERED ASSIST
  Six high tones: FULL RANGE CHORD
- The keyboard input LED is lit while **FUNCTION** is depressed.

2. Release FUNCTION to exit the setting operation.

■ CASIO CHORD

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

Accompaniment keyboard



Chord Type	Example
Major Chords Letters above the accompaniment keyboard indicate the name of the chord assigned to each key. Accompaniment keyboard keys marked with the same chord name play exactly the same chord.	C (C Major) 
Minor Chords Press the key that corresponds to the major chord, while also pressing one other accompaniment area key to the right.	Cm (C Minor) 
Seventh Chords Press the key that corresponds to the major chord, while also pressing two other accompaniment area keys to the right.	C7 (C Seventh) 
Minor Seventh Chords Press the key that corresponds to the major chord, while also pressing three other accompaniment area keys to the right.	Cm7 (C Minor Seventh) 

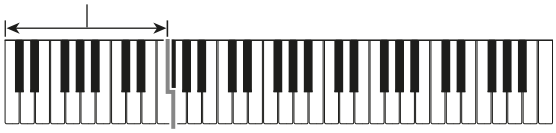
NOTE

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

■ FINGERED

With this chord fingering mode, you play chords on the accompaniment keyboard using their normal chord fingerings. Note that some chords can also be formed using abbreviated fingerings of one or two keys. For information about the types of chords you can finger and their fingerings, see the "Fingering Guide" (page EN-35).

Accompaniment keyboard



● FINGERED 1

Play the component notes of the chord on the keyboard.

● FINGERED 2

Unlike FINGERED 1, 6th input is not possible with this mode.

● FINGERED ON BASS

Play the component notes of the chord on the keyboard. This mode allows input of fraction chords with the lowest keyboard note as the base note.

● FINGERED ASSIST

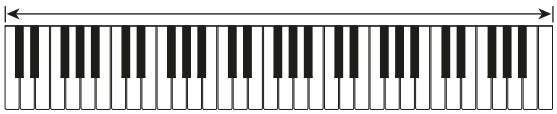
In addition to FINGERED 1 input, you can also use the fingerings below to play the three chord types.

Minor Chords (Cm)	One keyboard key for the base note and the nearest black key to the left.
Seventh Chords (C7)	One keyboard key for the base note and the nearest white key to the left.
Minor Seventh Chords (Cm7)	One keyboard key for the base note and the nearest black key and white key to the left.

■ FULL RANGE CHORD

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

Accompaniment Keyboard/Melody Keyboard



Connecting with External Devices

Connecting to a computer and Using MIDI

You can connect the Digital Keyboard to a computer and exchange MIDI data between them. You can record Digital Keyboard play using computer music software, and use the Digital Keyboard to play data sent to it from the computer.

■ Minimum Computer System Requirements

The following shows the minimum computer system requirements for sending and receiving MIDI data. Be sure to check your computer system setup before trying to install the driver.

● Supported Operating Systems

Windows 7*1
Windows 8.1*2
Windows 10*3
macOS (OS X/Mac OS X) 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, 10.13, 10.14

*1 Windows 7 (32-bit, 64-bit)
*2 Windows 8.1 (32-bit, 64-bit)
*3 Windows 10 (32-bit, 64-bit)

● USB Port

IMPORTANT!

- **Never connect the Digital Keyboard to a computer running an operating system that is not one of those above. Doing so can cause malfunction of the computer.**

NOTE

- For the latest news about supported operating systems, visit the website at the URL or QR code below.
https://support.casio.com/global/en/emi/manual/CT-S100/

■ Connecting to a Computer

IMPORTANT!

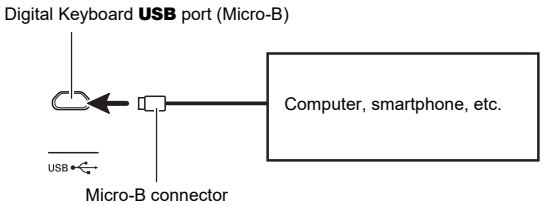
- **Incorrect connections can make data exchange impossible. Be sure to follow the steps of the procedure below.**

1. Turn off the Digital Keyboard and then start up your computer.

- Do not start up the music software on your computer yet!

2. Use a commercially available USB cable to connect the Digital Keyboard to your computer.

- Use a USB 2.0 or 1.1 A-MicroB connector type USB cable that supports data communication.



3. Turn on the Digital Keyboard.

- If this is the first time you are connecting, the driver required to transfer data will automatically be installed on your computer.

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

5. Use the settings of your computer's commercially available music software to select "CASIO USB-MIDI" as the MIDI device.

- For information about how to select the MIDI device, refer to the user documentation that comes with the music software you are using.

IMPORTANT!

- **Be sure to turn on the Digital Keyboard before starting up your computer's music software.**
- **Data send/receive cannot be performed while a song is playing (page EN-12).**

NOTE

- Once you are able to connect successfully, you can leave the USB cable connected when you turn off your computer and/or Digital Keyboard.
- For detailed specifications and connections that apply to MIDI data communication by this Digital Keyboard, see the latest support information provided on the website at the URL or QR code below.
  https://support.casio.com/global/en/emi/manual/CT-S100/

■ Configuring MIDI Settings

For information about the MIDI settings below, refer to the “Setting Item List” (page EN-23).

- MIDI Out Channel
- MIDI Out Octave Shift
- MIDI Out Velocity
- Local Control

Connecting with Audio Equipment

You can connect the Digital Keyboard to a commercially available stereo system or amplifier, or to a recording device. You can also use the Digital Keyboard to sound output from a portable audio player or another device, and use that as backing for your keyboard play.

■ Sounding Digital Keyboard Output on an External Device

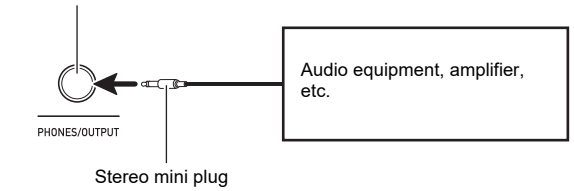
Connection requires commercially available connecting cords, supplied by you.

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

IMPORTANT!

- **Turn off the external device and the Digital Keyboard before connecting them. Before turning power on or off, turn down the volume level of the Digital Keyboard and external devices.**
- **After connecting, turn on the Digital Keyboard first and then the external device.**
- **If Digital Keyboard notes are distorted when they are sounded on an external audio device, lower the Digital Keyboard’s volume level.**

Digital Keyboard **PHONES/OUTPUT** jack (3.5mm stereo mini jack)



Configuring Function Settings

You can use **FUNCTION** in combination with keyboard keys to configure various settings.

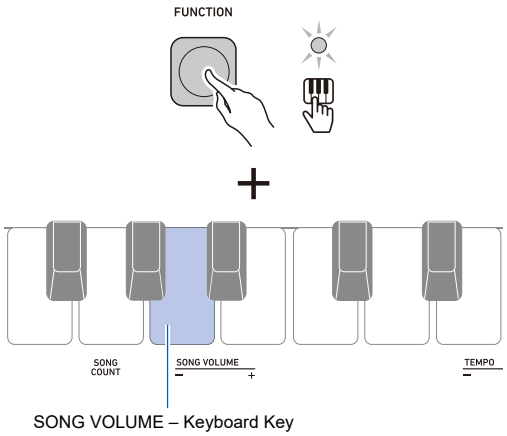
Configuring Settings

1. Find the item whose setting you want to change in the table under "Setting Item List" (pages EN-23 and 24) and note its details.

2. Use the information under "Keyboard Keys Used for Configuring Settings" on page EN-22 to find the location of the keyboard keys for configuring the setting you want.

3. While holding down FUNCTION, use the keyboard key or keys you looked up in step 2 of this procedure to configure the setting you want.

- The keyboard input LED is lit while **FUNCTION** is depressed.
- A tone will sound after the setting is configured.
  Example: To lower the song volume by pressing the SONG VOLUME – keyboard key



SONG VOLUME – Keyboard Key

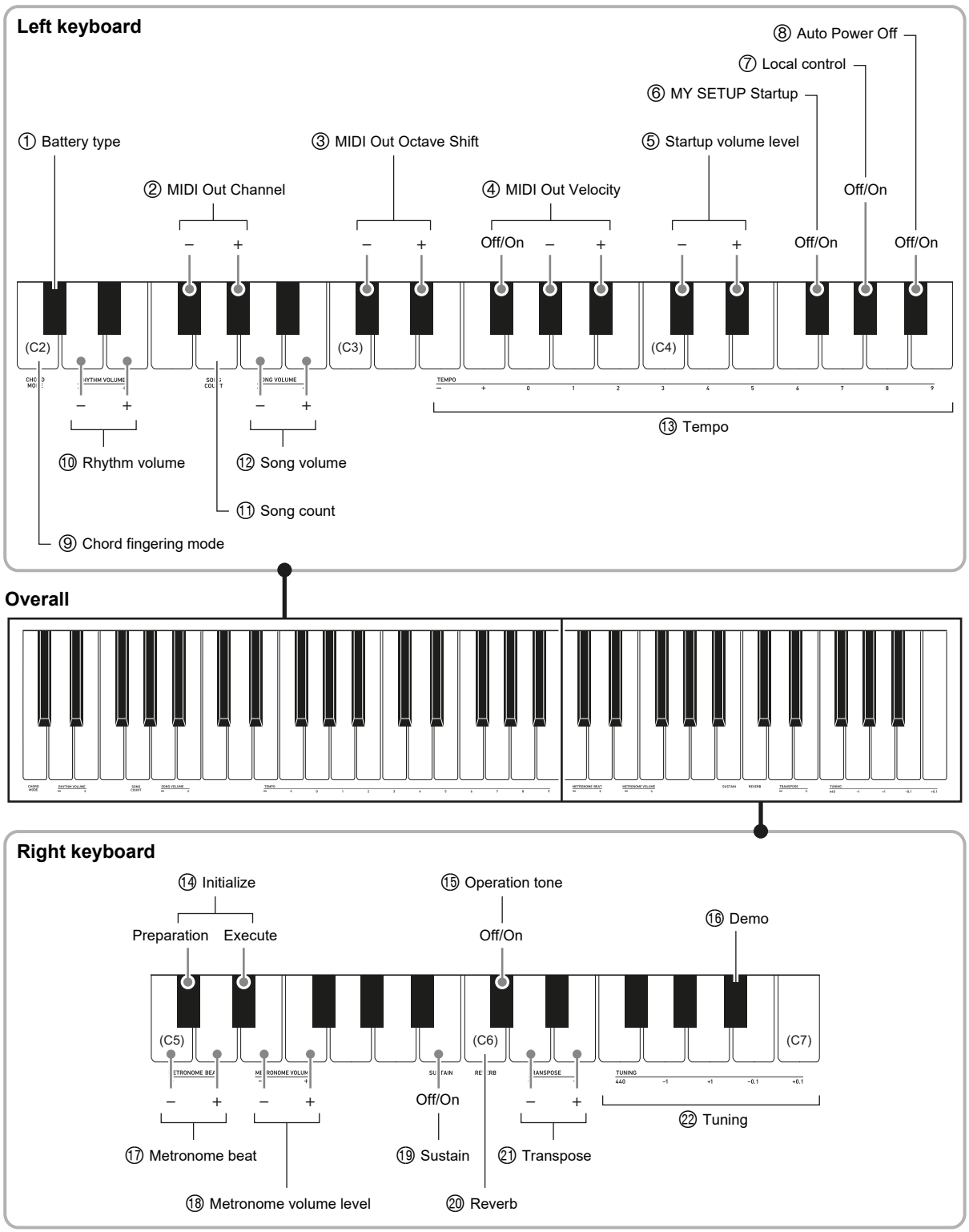
4. Release FUNCTION to exit the setting operation.

NOTE

- You can configure a setting to disable the tone that sounds in step 3 of this procedure.
  For more information, see "⑮ Operation Tone" in the table under "Setting Item List" (pages EN-23 and 24).

Keyboard Keys Used for Configuring Settings

- The circled numbers (① through ㉒) correspond to the numbers in the table under "Setting Item List" (pages EN-23 and 24).



Setting Item List

Item	Setting Options	Description	Remarks
① Battery type	Alkaline, Nickel metal hydride	Specifies the type of batteries being used.	• Each press of the keyboard key sounds a tone that lets you know what setting was selected. One tone: Alkaline Two tones: Nickel metal hydride
② MIDI Out Channel	1 to 16	Specifies the channel to output MIDI messages.	• To return the setting to its initial default, press – and + at the same time.
③ MIDI Out Octave shift	–3 to 0 to +3	Specifies, in octave units, the note message key number for MIDI Out.	• To return the setting to its initial default, press – and + at the same time.
④ MIDI Out Velocity	Off, 1 to 127	Specifies the velocity of the note on message for MIDI Out.	
⑤ Startup volume level	1 to 10	Specifies the power on volume level.	• To return the setting to its initial default, press – and + at the same time.
⑥ MY SETUP Startup	Off, On	Enables/disables configuration of MY SETUP settings when power is turned on.	
⑦ Local control	Off, On	Mutes (Off)/unmutes (On) the Digital Keyboard sound output of your keyboard play.	
⑧ Auto Power Off	Off, On	Enables/disables Auto Power Off.	• Each press of the keyboard key sounds a tone that lets you know what setting was selected. High tone: On (enabled) Low tone: Off (disabled)
⑨ Chord fingering mode	Off, CASIO CHORD, FINGERED 1, FINGERED 2, FINGERED ON BASS, FINGERED ASSIST, FULL RANGE CHORD	Specifies the chord fingering mode.	• Each press of the keyboard key sounds a tone that lets you know what setting was selected. One low tone: Off One high tone: CASIO CHORD Two high tones: FINGERED 1 Three high tones: FINGERED 2 Four high tones: FINGERED ON BASS Five high tones: FINGERED ASSIST Six high tones: FULL RANGE CHORD
⑩ Rhythm volume	0 to 10	Adjusts the rhythm volume level.	• To return the setting to its initial default, press – and + at the same time.
⑪ Song count	Off, Count, Pre-count	Can be used to sound a count in time with song playback.	• Each press of the keyboard key sounds a tone that lets you know what setting was selected. One low tone: Off (disabled) One high tone: Count Two high tones: Pre-count
⑫ Song volume	0 to 10	Adjusts the song volume level.	• To return the setting to its initial default, press – and + at the same time.
⑬ Tempo	20 to 255	Changes the tempo.	• To return the setting to its initial default or recommended setting, press – and + at the same time.
⑭ Initialize		Returns all settings to their factory defaults.	

Item	Setting Options	Description	Remarks
⑮ Operation tone	Off, On	When this setting is disabled (Off), a tone does not sound when a keyboard key is pressed while **FUNCTION** is depressed.	
⑯ Demo		Plays the Demo Song.	
⑰ Metronome beat	Off, 1 to 16	Changes the metronome beat.	• To return the setting to its initial default, press – and + at the same time.
⑱ Metronome volume level	0 to 10	Changes the metronome volume level.	• To return the setting to its initial default, press – and + at the same time.
⑲ Sustain	Off, On	When enabled, sustains notes to produce rich resonance.	• Each press of the keyboard key sounds a tone that lets you know what setting was selected. High tone: On (enabled) Low tone: Off (disabled)
⑳ Reverb	Off, 1 to 4	Specifies the type of reverb to be applied.	• Each press of the keyboard key sounds a tone that lets you know what setting was selected. One low tone: Off (disabled) One high tone: 1 Two high tones: 2 Three high tones: 3 Four high tones: 4
㉑ Transpose	–12 to 0 to +12	The transpose feature raises or lowers the overall pitch in semitone steps. You can use this feature to raise or lower the key to make it easier to play a piece written in a difficult key, or to adjust to a key that better matches a vocalist, another musical instrument, etc.	• To return the setting to its initial default, press – and + at the same time.
㉒ Tuning	415.5Hz to 440.0Hz to 465.9Hz	Fine tunes the overall pitch by changing the frequency of A4 in 0.1Hz units.	

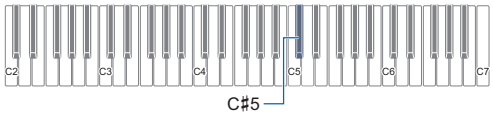
IMPORTANT!

- **Turning power off and back on again returns tone and other settings to their initial defaults (page EN-6).**
- **The settings below are retained even when power is turned off.**
  - **MIDI Out Channel**
  - **MIDI Out Octave Shift**
  - **MIDI Out Velocity**
  - **Startup volume level**
  - **MY SETUP Startup**
  - **Auto Power Off**
  - **Battery type**

Returning Settings to Their Initial Factory Defaults

1. While holding down FUNCTION, press the C♯5 keyboard key.

A tone will sound to indicate that initialization is about to be performed. Keep **FUNCTION** depressed at this time.



2. Keeping FUNCTION depressed, press the E♭5 keyboard key to start initialization.

A tone will sound when initialization is complete. The Digital Keyboard will be turned off and then back on again.

- The keyboard input LED is lit while **FUNCTION** is depressed.

3. Release FUNCTION to exit the operation.

Troubleshooting

Symptom	Required Action
Included Accessories	
I can't find included items during unpacking.	Carefully check inside all of the packing materials.
Power Requirements	
Power does not turn on.	• Check the AC adaptor or make sure that the batteries are facing correctly (page EN-4). • Replace the batteries with new ones. Or use AC adaptor power (page EN-4).
The Digital Keyboard suddenly turns off after outputting a loud sound.	Replace the batteries with new ones. Or use AC adaptor power (page EN-4).
The Digital Keyboard suddenly powers down after about 30 minutes.	Disable Auto Power Off (page EN-6).
Sound	
Nothing happens when I press a keyboard key.	• Adjust the volume level (page EN-7). • Check if something is plugged into the **PHONES/OUTPUT** jack on the back of the Digital Keyboard. • Try turning the Digital Keyboard off and then back on again (page EN-6) to initialize settings.
Nothing happens or notes do not play normally when I play on the accompaniment (left-side) keyboard.	Select "Off" for the Chord Mode setting (page EN-17) to disable chord input with the accompaniment keyboard.
Nothing happens when I start an Auto Accompaniment.	• Check and adjust the rhythm volume level (page EN-16). • Try turning the Digital Keyboard off and then back on again (page EN-6) to initialize settings.
Nothing happens when I start playing a song's Auto Accompaniment.	• It takes a little time after you press the button until the song starts to play. Wait for the song to start. • Check and adjust the song volume level (page EN-13). • Try turning the Digital Keyboard off and then back on again (page EN-6) to initialize settings.
The metronome does not sound.	• Check and adjust the metronome volume level (page EN-8). • Try turning the Digital Keyboard off and then back on again (page EN-6) to initialize settings.
Notes keep sounding, without stopping.	• Try turning the Digital Keyboard off and then back on again (page EN-6) to initialize settings. • Replace the batteries with new ones. Or use AC adaptor power (page EN-4).
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 32 (16 for some tones). This does not indicate malfunction.
The volume level or tone setting I configured has changed.	• Adjust the volume level (page EN-7). • Try turning the Digital Keyboard off and then back on again (page EN-6) to initialize settings. • Replace the batteries with new ones. Or use AC adaptor power (page EN-4).
With certain volume levels and tones, the sound of notes played in one keyboard range will sound different from those played in another keyboard range.	This is due to system limitations and does not indicate malfunction.
With some tones, octaves do not change at the far ends of the keyboard.	This is due to system limitations and does not indicate malfunction.

	Symptom	Required Action
	The pitch of the notes does not match other accompanying instruments or notes sound strange when played along with other instruments.	• Check and adjust the transpose setting (page EN-10) and tuning setting (page EN-11). • Try turning the Digital Keyboard off and then back on again (page EN-6) to initialize settings.
	The reverb of notes seems to change suddenly.	• Check and adjust the reverb setting (page EN-10). • Try turning the Digital Keyboard off and then back on again (page EN-6) to initialize settings.
Connecting to a computer		
	I can't perform MIDI data transfers.	• Check to make sure that the USB cable is connected to the Digital Keyboard and computer, and that the correct device is selected with your computer's music software (page EN-19). • Turn off the Digital Keyboard and then exit the music software on your computer. Next, turn the Digital Keyboard back on and then restart the music software on your computer.

Product Specifications

Model	CT-S100
Keyboard	61 keys
Maximum Polyphony	32 notes
Tones	
Preset Tones	122 preset tones, Main tone buttons
Effects	Reverb (4 types, Off)
Metronome	
Beat	Off, 1 to 16 beats
Tempo	20 to 255
Song Bank	
Preset Songs	60 songs
Part Off	Left hand, right hand, both hands
Auto Accompaniment	
Preset Rhythms	61 types, chord input mode switching
Demo Play	Looped play of all built-in Song Bank songs (60 songs)
Function Volume Adjustment	Metronome, Rhythm, Song
Other Functions	
Transpose	±1 octave (–12 to 0 to +12 semitones)
Tuning	A4 = 415.5 to 465.9 Hz (Initial Default: 440.0 Hz)
MIDI	16 multi-timbre received, GM Level 1 standard
Jacks	
USB Port	Micro-B
PHONES/OUTPUT jack	Stereo mini jack (3.5mm)
AC adaptor terminal	9.5V DC
Power Requirements	2-Way Power
Batteries	6 AA-size alkaline batteries or AA-size rechargeable nickel metal hydride batteries
Continuous operation	Approximately 16 hours (alkaline batteries), approximately 13 hours (rechargeable nickel metal hydride batteries)* Actual battery life may be shorter depending on battery type, performance style, or operation environment.
AC Adaptor	AD-E95100L (JEITA Standard, with unified polarity plug)
Auto Power Off	After approximately 30 minutes of non-operation, Can be disabled.
Speakers	13cm × 6cm (oval) × 2 (Output: 2.0W + 2.0W)
Power Consumption	9.5V ⎓ 5.5W
Dimensions	93.0 (W) × 25.6 (D) × 7.3 (H) cm (36 5/8 × 10 1/16 × 2 7/8 inch)
Weight	Approximately 3.3kg (7.3 lbs) (Excluding batteries)

* Measured values while using eneloop batteries.
eneloop is a trademark of Panasonic Corporation.

• Specifications and designs are subject to change without notice.

AC Adaptor Handling Precautions

Model: AD-E95100L

1. Read these instructions.
2. Keep these instructions on hand.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this product near water.
6. Clean only with a dry cloth.
7. Do not install near radiators, heat registers, stoves, or any other source of heat (including amplifiers).
8. Use only attachments and accessories specified by the manufacturer.
9. Refer all servicing to qualified service personnel. Servicing is required after any of the following occurs: when the product is damaged, when the power supply cord or plug is damaged, when liquid is spilled into the product, when a foreign object falls into the product, when the product is exposed to rain or moisture, when the product does not operate normally, when the product is dropped.
10. Do not allow the product to be exposed to dripping or splashing liquid. Do not place any object containing liquid on the product.
11. Do not allow the electrical load output to exceed the label rating.
12. Make sure the surrounding area is dry before plugging into a power source.
13. Make sure the product is oriented correctly.
14. Unplug the product during lightning storms or when you do not plan to use it for a long time.
15. Do not allow product ventilation openings to become blocked. Install the product in accordance with the manufacturer's instructions.
16. Take care the power cord is located where it will not be stepped upon or bent severely, particularly in locations close to plugs and convenience receptacles, and in locations where it exits from the product.
17. The AC adaptor should be plugged into a power outlet as close to the product as possible to allow immediate disconnection of the plug in case of emergency.

The symbol below is an alert indicating un-insulated hazardous voltage inside the product's enclosure, which may be sufficient to constitute the risk of electric shock to users.

The symbol below is an alert indicating the presence of important operating and maintenance (servicing) instructions in the documentation that accompanies the product.

Tone List

Tone 1				
No.	*1	Tone Name	Program Change	Bank Select MSB
MAIN TONE 1				
1	C2	GRAND PIANO	000	000
2	C♯2	ELEC.PIANO 1	004	000
3	D2	DRAWBAR ORGAN	016	000
4	E♭2	HARPSICHORD	006	000
5	E2	STRINGS	048	000
PIANO/E.PIANO				
6	F2	HONKY-TONK	003	000
7	F♯2	ELEC.GRAND PIANO	002	000
8	G2	60'S E.PIANO	004	005
9	A♭2	CHORUS E.PIANO	004	009
10	A2	SYNTH-STR.E.PIANO	004	003
11	B♭2	SYNTH-VOICE & E.PIANO	004	010
12	B2	CLAVI	007	000
CHROMATIC PERC.				
13	C3	CELESTA	008	000
14	C♯3	GLOCKENSPIEL	009	002
15	D3	MUSIC BOX	010	000
16	E♭3	VIBRAPHONE	011	000
17	E3	MARIMBA	012	000
18	F3	TUBULAR BELL	014	000
ORGAN				
19	F♯3	PERC.ORGAN	017	000
20	G3	ROCK ORGAN	018	000
21	A♭3	CHAPEL ORGAN	019	008
22	A3	REED ORGAN	020	000
23	B♭3	ACCORDION	021	000
24	B3	HARMONICA	022	000
25	C4	BANDONEON	023	000
GUITAR				
26	C♯4	NYLON STR.GUITAR	024	002
27	D4	STEEL STR.GUITAR	025	002
28	E♭4	JAZZ GUITAR	026	002
29	E4	CLEAN GUITAR	027	002
30	F4	MUTE GUITAR	028	002
31	F♯4	DISTORTION GUITAR	030	002
BASS				
32	G4	ACOUSTIC BASS	032	002
33	A♭4	FINGERED BASS	033	002
34	A4	PICKED BASS	034	002
35	B♭4	FRETLESS BASS	035	002
36	B4	SAW SYNTH-BASS	038	002
37	C5	SQUARE SYNTH-BASS	039	002
STR/ORCHESTRA				
38	C♯5	VIOLIN	040	000
39	D5	VIOLA	041	000
40	E♭5	CELLO	042	002
41	E5	CONTRABASS	043	002
42	F5	PIZZICATO STRINGS	045	000
43	F♯5	HARP	046	000
44	G5	TIMPANI	047	000
ENSEMBLE				
45	A♭5	SYNTH-STRINGS	050	000
46	A5	CHOIR AAHS	052	000
47	B♭5	SYNTH-VOICE	054	000
48	B5	ORCHESTRA HIT	055	000

Tone 1				
No.	*1	Tone Name	Program Change	Bank Select MSB
BRASS				
49	C6	TRUMPET	056	000
50	C♯6	TROMBONE	057	002
51	D6	TUBA	058	002
52	E♭6	FRENCH HORN	060	000
53	E6	BRASS	061	000
54	F6	SYNTH-BRASS	062	000
REED				
55	F♯6	SOPRANO SAX	064	000
56	G6	ALTO SAX	065	000
57	A♭6	TENOR SAX	066	001
58	A6	BARITONE SAX	067	002
59	B♭6	OBOE	068	000
60	B6	CLARINET	071	000
PIPE				
61	C7	PICCOLO	072	002

*1 Keyboard Key Note Name

Tone 2				
No.	*1	Tone Name	Program Change	Bank Select MSB
MAIN TONE 2				
62	C2	BRIGHT PIANO	001	000
63	C♯2	ELEC.PIANO 2	005	000
64	D2	PIPE ORGAN	019	000
65	E♭2	HARPSICHORD & STRINGS	006	001
66	E2	SLOW STRINGS	049	000
PIPE				
67	F2	FLUTE	073	000
68	F♯2	RECORDER	074	000
69	G2	BOTTLE BLOW	076	000
70	A♭2	WHISTLE	078	000
71	A2	OCARINA	079	000
SYNTH-LEAD				
72	B♭2	SQUARE LEAD	080	000
73	B2	SAW LEAD	081	000
74	C3	VOICE LEAD	085	000
75	C♯3	FIFTH LEAD	086	000
76	D3	BASS+LEAD	087	000
77	E♭3	DANCE SQUARE LEAD	080	048
78	E3	DANCE SYNC SQUARE LEAD	080	049
79	F3	DANCE SAW LEAD	081	048
80	F♯3	DANCE SYNC SAW LEAD	081	049
81	G3	DANCE SAW BASS	087	048
SYNTH-PAD				
82	A♭3	FANTASY	088	000
83	A3	WARM PAD	089	000
84	B♭3	POLYSYNTH	090	000
85	B3	SPACE CHOIR	091	000
86	C4	METAL PAD	093	000
87	C♯4	HALO PAD	094	000
88	D4	RAIN DROP	096	000
89	E♭4	SOUND TRACK	097	000
90	E4	CRYSTAL	098	000
91	F4	ATMOSPHERE	099	000
92	F♯4	BRIGHTNESS	100	000
93	G4	SF	103	000
94	A♭4	DANCE SAW PAD	090	048
95	A4	DANCE SQUARE PAD	090	049
INDIAN				
96	B♭4	SITAR 1	104	002
97	B4	SITAR 2	104	003
98	C5	TANPURA 1	104	032
99	C♯5	TANPURA 2	104	033
100	D5	HARMONIUM 1	020	032
101	E♭5	HARMONIUM 2	020	033
102	E5	SHANAI 1	111	002
103	F5	SHANAI 2	111	003
104	F♯5	SANTUR 1	015	003
105	G5	SANTUR 2	015	004
106	A♭5	TABLA	116	016
ETHNIC				
107	A5	BANJO	105	000
108	B♭5	SHAMISEN	106	000
109	B5	KOTO	107	000
110	C6	BAGPIPE	109	000
111	C♯6	FIDDLE	110	000

Tone 2				
No.	*1	Tone Name	Program Change	Bank Select MSB
VARIOUS				
112	D6	TINKLE BELL	112	000
113	E♭6	STEEL DRUMS	114	000
114	E6	SYNTH-DRUM	118	000
115	F6	STRINGS PIANO	000	008
116	F♯6	BASS/PIANO	000	009
117	G6	SE 1	120	002
118	A♭6	SE 2	122	002
DRUM SET				
119	A6	STANDARD SET	000	120
120	B♭6	DANCE SET	029	120
121	B6	BRUSH SET	040	120
122	C7	INDIAN SET	049	120

*1 Keyboard Key Note Name

Drum Assignment List

Key	Note No.	DRUMS SET NAME			
		STANDARD SET	DANCE SET	BRUSH SET	INDIAN SET
C-1	0				
C#-1	1				
D-1	2				
D#-1	3				
E-1	4				
F-1	5				
F#-1	6				
G-1	7				
G#-1	8				
A-1	9				
A#-1	10				
B-1	11				
C0	12				
C#0	13				
D0	14				
D#0	15				
E0	16				
F0	17				
F#0	18				
G0	19				
G#0	20				
A0	21				
A#0	22				
B0	23				
C1	24				
C#1	25				
D1	26				
D#1	27				
E1	28				
F1	29				
F#1	30				
G1	31				
G#1	32				
A1	33				
A#1	34				
B1	35				
C2	36	Standard Kick 1	Synth Kick 1	Brush Kick 1	←
C#2	37	Side Stick	←	←	←
D2	38	Standard Snare 1	Synth Snare 1	Brush Snare 1	←
D#2	39	Standard Hand Clap	Synth Hand Clap	Brush Slap	←
E2	40	Standard Snare 2	Synth Snare 2	Brush Snare 2	←
F2	41	Low Tom 2	Synth Low Tom 2	Brush Low Tom 2	←
F#2	42	Closed Hi-Hat	←	←	←
G2	43	Low Tom 1	Synth Low Tom 1	Brush Low Tom 1	←
G#2	44	Pedal Hi-Hat	←	←	←
A2	45	Mid Tom 2	Synth Mid Tom 2	Brush Mid Tom 2	←
A#2	46	Open Hi-Hat	←	←	←
B2	47	Mid Tom 1	Synth Mid Tom 1	Brush Mid Tom 1	←
C3	48	High Tom 2	Synth High Tom 2	Brush High Tom 2	←
C#3	49	Crash Cymbal 1	←	←	←
D3	50	High Tom 1	Synth High Tom 1	Brush High Tom 1	←
D#3	51	Ride Cymbal 1	←	←	←
E3	52	Chinese Cymbal	←	←	←
F3	53	Ride Bell	←	←	←
F#3	54	Tambourine	←	←	←
G3	55	Splash Cymbal	←	←	←
G#3	56	Cowbell	←	←	←
A3	57	Crash Cymbal 2	←	←	←
A#3	58	Vibraslap	←	←	←
B3	59	Ride Cymbal 2	←	←	←
C4	60	High Bongo	←	←	←
C#4	61	Low Bongo	←	←	←
D4	62	Mute High Conga	←	←	←
D#4	63	Open High Conga	←	←	←
E4	64	Open Low Conga	←	←	←
F4	65	High Timbale	←	←	←
F#4	66	Low Timbale	←	←	←
G4	67	High Agogo	←	←	←
G#4	68	Low Agogo	←	←	←
A4	69	Cabasa	←	←	←
A#4	70	Maracas	←	←	←
B4	71	Short High Whistle	←	←	Tabla Ge
C5	72	Long Low Whistle	←	←	Tabla Ka
C#5	73	Short Guiro	←	←	Tabla Te
D5	74	Long Guiro	←	←	Tabla Na
D#5	75	Claves	←	←	Tabla Tun
E5	76	High Wood Block	←	←	←
F5	77	Low Wood Block	←	←	←
F#5	78	Mute Cuica	←	←	←
G5	79	Open Cuica	←	←	←
G#5	80	Mute Triangle	←	←	←
A5	81	Open Triangle	←	←	←
A#5	82	Shaker	←	←	←
B5	83	Cheer Short	Dance Kick 1		
C6	84	Cheer	Dance Kick 2		
C#6	85	Cheer Long	Dance Q		
D6	86	Cheer Fade Out	Dance Snare 1		
D#6	87	Explotion 1	Dance Clap		
E6	88	Explotion 2	Dance Snare 2		
F6	89		Hip-Hop Close Hat		
F#6	90		Noise Rise		
G6	91		Hip-Hop Open Hat		
G#6	92				
A6	93				
A#6	94				
B6	95				
C7	96				
C#7	97				
D7	98				
D#7	99				
E7	100				
F7	101				
F#7	102				
G7	103				
G#7	104				
A7	105				
A#7	106				
B7	107				
C8	108				
C#8	109				
D8	110				
D#8	111				
E8	112				
F8	113				
F#8	114				
G8	115				
G#8	116				
A8	117				
A#8	118				
B8	119				
C9	120				
C#9	121				
D9	122				
D#9	123				
E9	124				
F9	125				
F#9	126				
G9	127				

• "←" indicates a key is assigned the same tones as it is for STANDARD SET.

Song List

No.	*1	Title
PIANO/CLASSICS		
1	C2	FÜR ELISE
2	C♯2	VALSE op.64 no.1 “PETIT CHIEN”
3	D2	TURKISH MARCH (MOZART)
4	E♭2	TRÄUMEREI
5	E2	ETUDE op.10 no.3 “CHANSON DE L’ADIEU”
6	F2	LIEBESTRÄUME no.3
7	F♯2	NOCTURNE op.9 no.2 (CHOPIN)
8	G2	CANON (PACHELBEL)
9	A♭2	MARY HAD A LITTLE LAMB
10	A2	LE CYGNE FROM “LE CARNAVAL DES ANIMAUX”
11	B♭2	AIR FROM “SUITE no.3”
12	B2	SPRING FROM “THE FOUR SEASONS”
13	C3	HUNGARIAN DANCES no.5
14	C♯3	MINUET IN G MAJOR
15	D3	GAVOTTE (GOSSEC)
16	E♭3	ARABESQUE (BURGMÜLLER)
17	E3	DECK THE HALL
18	F3	ODE TO JOY
19	F♯3	AVE MARIA (GOUNOD)
20	G3	PRELUDE op.28 no.7 (CHOPIN)
21	A♭3	GOING HOME FROM “FROM THE NEW WORLD”
22	A3	SONATA op.27 no.2 “MOONLIGHT” 1st Mov.
23	B♭3	THE ENTERTAINER
24	B3	FRÖHLICHER LANDMANN
25	C4	LA CHEVALERESQUE
26	C♯4	JESUS BLEIBET MEINE FREUDE
27	D4	MARCH FROM “THE NUTCRACKER”
28	E♭4	CHANSON DU TOREADOR FROM “CARMEN”
29	E4	INVENTIONEN no.1
30	F4	PRAELUDIUM no.1 (J.S.BACH)
EVENT		
31	F♯4	SILENT NIGHT
32	G4	JINGLE BELLS
33	A♭4	WE WISH YOU A MERRY CHRISTMAS
34	A4	JOY TO THE WORLD
35	B♭4	O CHRISTMAS TREE
WORLD		
36	B4	WHEN THE SAINTS GO MARCHING IN
37	C5	GREENSLEEVES
38	C♯5	ANNIE LAURIE
39	D5	AMAZING GRACE
40	E♭5	TWINKLE TWINKLE LITTLE STAR
41	E5	GRANDFATHER’S CLOCK
42	F5	ON TOP OF OLD SMOKEY
43	F♯5	COME BIRDS
44	G5	DID YOU EVER SEE A LASSIE?
45	A♭5	DANNY BOY
46	A5	MY BONNIE
47	B♭5	HOME SWEET HOME
48	B5	AURA LEE
49	C6	ALOHA OE
50	C♯6	LONDON BRIDGE
51	D6	UNDER THE SPREADING CHESTNUT TREE
52	E♭6	SIPPIN’ CIDER THROUGH A STRAW
53	E6	BEAUTIFUL DREAMER
54	F6	MY DARLING CLEMENTINE
55	F♯6	LITTLE BROWN JUG
56	G6	YANKEE DOODLE
57	A♭6	I’VE BEEN WORKING ON THE RAILROAD
58	A6	OH! SUSANNA
59	B♭6	TURKEY IN THE STRAW
60	B6	FURUSATO

*1 Keyboard Key Note Name

Rhythm List

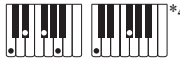
No.	*1	Rhythm name
8 BEAT		
1	C2	STRAIGHT 8 BEAT
2	C♯2	8 BEAT
16 BEAT		
3	D2	16 BEAT
4	E♭2	16 BEAT SHUFFLE
BALLAD		
5	E2	16 BEAT BALLAD
6	F2	POP BALLAD
7	F♯2	6/8 BALLAD
DANCE		
8	G2	DISCO POP
9	A♭2	MODERN R&B
POPS		
10	A2	POP
11	B♭2	POP ROCK
ROCK		
12	B2	STRAIGHT ROCK
13	C3	SHUFFLE ROCK
14	C♯3	SLOW ROCK
15	D3	ROCK WALTZ
JAZZ		
16	E♭3	BIG BAND
17	E3	SLOW SWING
18	F3	JAZZ WALTZ
19	F♯3	FOX TROT
EUROPEAN		
20	G3	POLKA
21	A♭3	WALTZ 1
22	A3	VIENNESE WALTZ
23	B♭3	TANGO
24	B3	MARCH
LATIN		
25	C4	BOSSA NOVA
26	C♯4	SAMBA
27	D4	MAMBO
28	E♭4	SALSA
29	E4	REGGAE
30	F4	POP REGGAE
31	F♯4	SKA
32	G4	CUMBIA
INDIAN		
33	A♭4	BHANGRA
34	A4	DADRA
35	B♭4	GARBA
36	B4	KEHARWA
37	C5	TEEN TAAL
38	C♯5	DANDIYA
39	D5	BHAJAN
40	E♭5	INDIAN POP 1
41	E5	INDIAN POP 2
42	F5	QAWWALI
43	F♯5	KERALA
44	G5	RAJASTHANI

No.	*1	Rhythm name
WORLD		
AMERICAN		
45	A♭5	COUNTRY BALLAD
46	A5	BLUEGRASS
47	B♭5	DIXIE
48	B5	TEX-MEX
49	C6	FAST GOSPEL
50	C♯6	HAWAIIAN
EASTERN EUROPEAN		
51	D6	RUSSIAN CHANSON
ARABIC		
52	E♭6	ADANI
CHINESE		
53	E6	JIANGNAN
54	F6	DONGBEIYANGGE
55	F♯6	JINGJU
56	G6	HUANGMEIXI
57	A♭6	MIAOZU
58	A6	XINJIANG
VARIOUS		
59	B♭6	STRING QUARTET
PIANO RHYTHMS		
60	B6	ARPEGGIO
61	C7	WALTZ 2

*1 Keyboard Key Note Name

Fingering Guide

■ FINGERED 1, FINGERED 2 Chords

C	
Cm	
Cdim	
Caug *3	
C♭5	
Csus4 *3	
Csus2 *3	
C7	
Cm7 *3	
CM7	
CmM7	
Cdim7 *3	
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 Keyboard 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						

*1 Root *2 Chord Type

- Since the chord input range is limited, this model may not support some of the chords shown above.

*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						

*1 Root *2 Chord Type

- Since the chord input range is limited, this model may not support some of the chords shown above.

Model: CT-S100 **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	0 - 127 * * * * * * *	0 - 127 0 - 127 *1	
Velocity	Note ON Note OFF	O 9nH v = 1 - 127 X 8nH v = 64	O 9nH v = 1 - 127 X 9nH v = 0, 8nH v =**	**: no relation
After Touch	Key's Ch's	X X	X O	
Pitch Bender		X	O	
Control Change	0 1 5 6, 38 7 10 11 64 65 66	O X X X X X X X X X	O O O O *2 O O O O O O	Bank select Modulation Portamento Time Data entry LSB/MSB Volume Pan Expression Hold 1 Portamento Switch Sostenuto

	67	X	O	Soft pedal
	71	X	O	Filter resonance
	72	O	O	Release time
	73	X	O	Attack time
	74	X	O	Brightness
	84	X	O	Portamento Control
	91	X	O	Reverb send level
	100, 101	X	O *2	RPN LSB/MSB
Program Change	True #	O * * * * * * * *	O 0 - 127	
Exclusive		O *2	O *2	
System Common	Song Pos	X	X	
	Song Sel	X	X	
	Tune	X	X	
System Real Time	Clock	X	X	
	Commands	X	X	
Aux Messages	All sound off	X	O	
	Reset all controller	O	O	
	Local ON/OFF	X	X	
	All notes OFF	O	O	
	Active Sense	X	O	
	System Reset	X	X	
Remarks		*1: Depends on tone. *2: For details about RPN and system exclusive messages, see MIDI Implementation at https://support.casio.com/global/en/emi/manual/CT-S100/		

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

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