LK-2005

USER'S GUIDE GUÍA DEL USUARIO



CASIO_®

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (not applicable to other areas).

NOTICE

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

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

FCC WARNING

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

Declaration of Conformity

Model Number: LK-200S

Trade Name: CASIO COMPUTER CO., LTD.

Responsible party: CASIO, INC.

Address: 570 MT. PLEASANT AVENUE, DOVER, NEW JERSEY 07801

Telephone number: 973-361-5400

This device complies with Part 15 of the FCC Rules, Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received,

including interference that may cause undesired operation.

Important!

Please note the following important information before using this product.

- Before using the optional AD-5 Adaptor to power the unit, be sure to check the AC Adaptor
 for any damage first. Carefully check the power cord for breakage, cuts, exposed wire and
 other serious damage. Never let children use an AC adaptor that is seriously damaged.
- Never attempt to recharge batteries.
- Do not use rechargeable batteries.
- Never mix old batteries with new ones.
- Use recommended batteries or equivalent types.
- Always make sure that positive (+) and negative (-) poles are facing correctly as indicated near the battery compartment.
- Replace batteries as soon as possible after any sign they are getting weak.
- Do not short-circuit the battery terminals.
- The product is not intended for children under 3 years.
- Use only CASIO AD-5 adaptor.
- The AC adaptor is not a toy.
- Be sure to disconnect the AC adaptor before cleaning the product.



This mark applies in EU countries only.



CASIO Europe GmbH Bornbarch 10, 22848 Norderstedt, Germany

Safety Precautions

Congratulations on your selection of the CASIO electronic musical instrument.

- Before using the instrument, be sure to carefully read through the instructions contained in this manual.
- Be sure to keep all user documentation handy for future reference.

Symbols |

Various symbols are used in this user's guide and on the product itself to ensure that the product is used safely and correctly, and to prevent injury to the user and other persons as well as damage to property. Those symbols along with their meanings are shown below.



This symbol indicates information that, if ignored or applied incorrectly, creates the danger of death or serious personal injury.

⚠ WARNING

This indication stipulates matters that have the risk of causing death or serious injury if the product is operated incorrectly while ignoring this indication.

⚠ CAUTION

This indication stipulates matters that have the risk of causing injury as well as matters for which there is the likelihood of occurrence of physical damage only if the product is operated incorrectly while ignoring this indication.

Symbol Examples —



This triangle symbol (\triangle) means that the user should be careful. (The example at left indicates electrical shock caution.)



This circle with a line through it (**(**) means that the indicated action must not be performed. Indications within or nearby this symbol are specifically prohibited. (The example at left indicates that disassembly is prohibited.)



The black dot () means that the indicated action must be performed. Indications within this symbol are actions that are specifically instructed to be performed. (The example at left indicates that the power plug must be unplugged from the electrical socket.)

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Alkaline Batteries

Perform the following steps immediately if fluid leaking from alkaline batteries ever gets into your eyes.



- 1. Do not rub your eyes! Rinse them with water
- 2. Contact your physician immediately. Leaving alkaline battery fluid in your eyes can lead to loss of sight.



Smoke, Strange Odor, Overheating

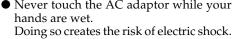
Continued use of the product while it is emitting smoke, a strange odor, or heat creates the risk of fire and electric shock. Take the following steps immediately.

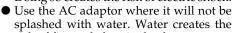
- 1. Turn off power.
- 2. If you are using the AC adaptor for power, unplug it from the wall outlet.
- 3. Contact your original retailer or an authorized CASIO Service Provider.

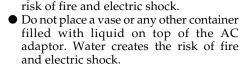
AC Adaptor

- Misuse of the AC adaptor creates the risk of fire and electric shock. Always make sure you observe the following precautions.
 - Be sure to use only the AC adaptor that is specified for this product.
 - Use only a power source whose voltage is within the rating marked on the AC adaptor.
 - Do not overload electrical outlets and extension cords.
- Misuse of the AC adaptor's electric cord can damage or break it, creating the risk of fire and electric shock. Always make sure you observe the following precautions.
 - Never place heavy objects on the cord or subject it to heat.
 - Never try to modify the cord or subject it to excessive bending.
 - Never twist or stretch the cord.
 - Should the electric cord or plug become damaged, contact your original retailer or authorized CASIO Service Provider.









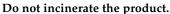




Batteries

Misuse of batteries can cause them to leak, resulting in damage to nearby objects, or to explode, creating the risk of fire and personal injury. Always make sure you observe the following precautions.

- Never try to take batteries apart or allow them to become shorted.
- Never expose batteries to heat or dispose of them by incineration.
- Never mix old batteries with new ones.
- Never mix batteries of different types.
- Do not charge the batteries.
- Make sure the positive (+) and negative (-) ends of the batteries are facing correctly.



Never throw the product into fire. Doing so can cause it to explode, creating the risk of fire and personal injury.



Water and Foreign Matter

Water, other liquids, and foreign matter (such as pieces of metal) getting into the product create the risk of fire and electric shock. Take the following steps immediately.



- 1. Turn off power.
- 2. If you are using the AC adaptor for power, unplug it from the wall outlet.
- 3. Contact your original retailer or an authorized CASIO Service Provider.



Never try to take this product apart or modify it in any way. Doing so creates the risk of electric shock, burn injury, or other personal injury. Leave all internal inspection, adjustment, and maintenance up to your original retailer or authorized CASIO Service Provider.







Dropping and Impact

Continued use of this product after it has been damaged by dropping or subjecting it to strong impact creates the risk of fire and electric shock. Take the following steps immediately.



- 1. Turn off power.
- 2. If you are using the AC adaptor for power, unplug it from the wall outlet.
- 3. Contact your original retailer or an authorized CASIO Service Provider.

Plastic Bags

Never place the plastic bag the product comes in over your head or in your mouth. Doing so creates the risk of suffocation. Particular care concerning this precaution is required where small children are present.



Keep off of the product and stand.*

Climbing onto the product or stand can cause it to tip over or become damaged. Particular care concerning this precaution is required where small children are present.



Location

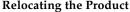
Avoid locating the product on an unstable stand, on an uneven surface, or any other unstable location. An unstable location can cause the product to fall over, creating the risk of personal injury.



! CAUTION

AC Adaptor

- Misuse of the AC adaptor creates the risk of fire and electric shock. Always make sure you observe the following precautions.
 - Do not locate the electric cord near a stove or other sources of heat.
 - Never pull on the cord when unplugging from the electrical outlet. Always grasp the AC adaptor when unplugging.
- Misuse of the AC adaptor creates the risk of fire and electric shock. Always make sure you observe the following precautions.
 - Insert the AC adaptor into the wall outlet as far as it will go.
 - Unplug the AC adaptor from the wall outlet during lightening storms or before leaving on a trip or other longterm absence.
 - At least once a year, unplug the AC adaptor from the wall outlet and wipe away any dust that is built up in the area around the prongs of the plug.



Before relocating the product, always unplug the AC adaptor from the wall outlet and disconnect all other cables and connecting cords. Leaving cords connected creates the risk of damage to the cords, fire, and electric shock.



Cleaning

Before cleaning the product, always unplug the AC adaptor from the wall outlet first. Leaving the AC adaptor plugged in creates the risk of damage to the AC adaptor, fire, and electric shock.



Batteries

Misuse of batteries can cause them to leak resulting in damage to nearby objects, or to explode, creating the risk of fire and personal injury. Always make sure you observe the following precautions.

- Use only batteries that are specified for use with this product.
- Remove batteries from the product if you do not plan to use it for a long time.



Connectors

Connect only the specified devices and equipment to the product's connectors. Connection of a non-specified device or equipment creates the risk of fire and electric shock.

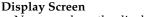


Location

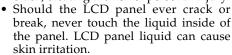
Avoid the following locations for this product. Such locations create the risk of fire and electric shock.



- Areas subject to high humidity or large amounts of dust.
- In food preparation areas or other areas subject to oil smoke.
- Near air conditioning equipment, on a heated carpet, in areas exposed to direct sunlight, inside of a vehicle parked in the sun, or any other area that subjects the product to high temperatures.



 Never push on the display screen's LCD panel or subject it to strong impact. Doing so can cause the LCD panel's glass to crack, creating the risk of personal injury.



- Should LCD panel liquid ever get inside your mouth, immediately wash out your mouth with water and contact your physician.
- Should LCD panel liquid ever get into your eyes or onto your skin, rinse with clear water for at least 15 minutes, and then contact a physician.

Sound Volume

Do not listen to music at very loud volumes for long periods. Particular care concerning this precaution is required when using headphones. High volume settings can damage your hearing.



Health Precaution

In extremely rare cases, exposure to strong sudden light or flashing light can cause momentary muscle spasms, loss of consciousness, or other physical problems with some individuals.

- If you suspect that you might be susceptible to any condition such as this, be sure to consult with your physician before using this product.
- Use this product in an area that is well illuminated.





 Should you ever feel any symptoms similar to those described above when using this product, stop using it immediately and contact your physician.



Heavy Objects

Never place heavy object on top of the product.



Doing so can make the product top heavy, causing the product to tip over or the object to fall from it, creating the risk of personal injury.

Correct Stand* Assembly

An incorrectly assembled stand can tip over, causing the product to fall and creating the risk of personal injury.



Make sure you assemble the stand correctly, following the assembly instructions that come with it. Make sure you mount the product on the stand correctly.

* Stand is available as an option.

IMPORTANT! _

When using batteries, be sure to replace them or shift to one of the alternate power sources whenever you notice any of the following symptoms.

- · Dim power supply indicator
- · Instrument does not turn on
- · Dim, difficult to read display
- · Abnormally low speaker/headphone volume
- · Distortion of sound output
- Occasional interruption of sound when playing at high volumes
- Sudden power failure when playing at high volumes
- · Dimming of the display when playing at high volume
- Continued sound output even after you release a key
- A totally different tone may sound
- Abnormal rhythm pattern and demo tune play
- · Abnormally low microphone volume
- · Distortion of microphone input
- · Dim power supply indicator when a microphone is used
- · Sudden power failure when using the microphone
- Dimming of keyboard lights when notes sound
- Loss of power, sound distortion, or low volume when playing from a connected computer





□ 264 tones

A wide selection of tones includes stereo piano and synthesized sounds, drum sets, and much more. Other features include digital effects that control the acoustical characteristic of tones.

☐ PIANO BANK button

The touch of a button takes you directly to piano tones and piano lessons.

□ 3-Step Lesson System

The 3-Step Lesson System lets you practice at your own pace. The keyboard automatically grades your performances, so you can trace your progress as you improve.

- 3-Step Lesson System: Use any of the keyboard's built-in tunes and SMF data from a memory card to learn to play as the keyboard keys light to teach you the correct notes. First practice the timing of the notes. Next, play along at your own pace. Soon you will be ready for step three, where you play along at normal speed.
 - * Note that key lights may be difficult to see under direct sunlight or under other very bright lighting.
- Evaluation System: The keyboard can be configured to rate your performances during Step 3 lesson by assigning points.

☐ 100 built-in tunes, including piano pieces

Built-in tunes are divided into two groups: a Song Bank of 65 tunes with Auto Accompaniment, and a Piano Bank of 35 piano tunes. You can simply enjoy listening to the built-in tunes, or eliminate either hand part of a tune, and then play along on the keyboard.

□ 120 rhythms

A selection of rhythms cover rock, pops, jazz and just about any other musical style imaginable.

□ Auto Accompaniment

Simply play a chord and the corresponding rhythm, bass, and chord parts play along automatically.

■ Musical Information System

A big LCD screen graphically shows you fingerings and notes, making keyboard play more informative and enjoyable than ever before.

☐ Storing and Playing Back Tune Data You Transferred from Your Computer

You can connect your keyboard to a computer, use special CASIO conversion software to convert SMF data you purchase or create to CASIO format, and then transfer it to the keyboard.

☐ Memory Card Slot

You can load a card with a standard MIDI file (SMF) and play it back on the keyboard.

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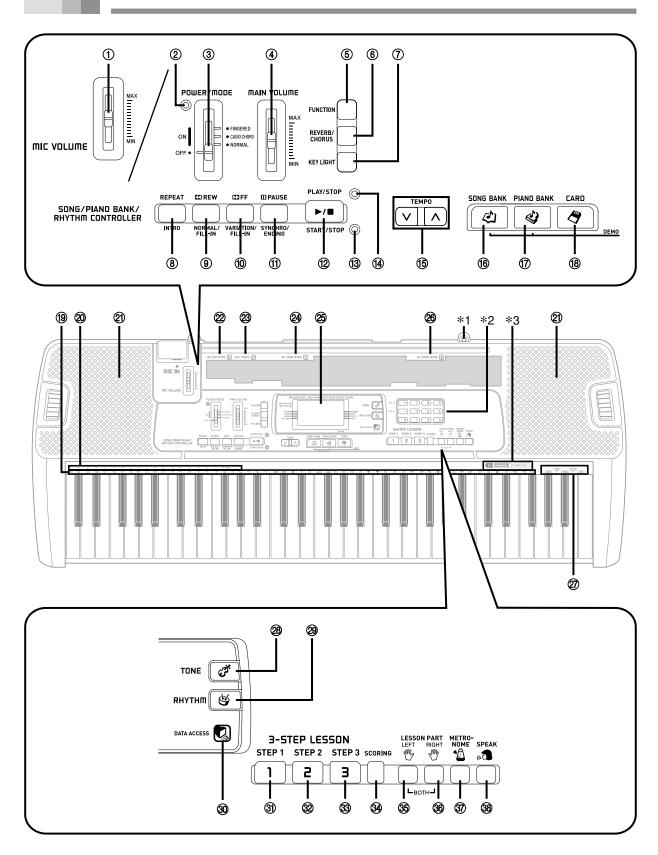
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MIDI messages that can be sent and received using the USB port

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General Guide



- 1 MIC VOLUME slider
- 2 Power indicator
- 3 POWER/MODE switch
- 4 MAIN VOLUME slider
- (5) FUNCTION button
- 6 REVERB/CHORUS button
- (7) KFY LIGHT button

SONG/PIANO BANK/RHYTHM CONTROLLER

- ® REPEAT button. INTRO button
- REW button, NORMAL/FILL-IN button
- 10 FF button, VARIATION/FILL-IN button
- (1) PAUSE button, SYNCHRO/ENDING button
- 12 PLAY/STOP button, START/STOP button
- ® Rhythm controller indicator
- 4 Song/Piano Bank controller indicator
- 15 TEMPO buttons
- (6) SONG BANK button
- (17) PIANO BANK button
- (8) CARD button
- (19) Percussion instrument list

- 20 CHORD root names
- 21 Speaker
- 22 RHYTHM list
- 23 TONE list
- 24 SONG BANK list
- 25 Display
- **26 PIANO BANK list**
- 7 Voice 1 to 5 list
- 28 TONE button
- 29 RHYTHM button
- 30 DATA ACCESS lamp

• 3-STEP LESSON

- ③ STEP 1 button
- 32 STEP 2 button
- 33 STEP 3 button
- 34 SCORING button
- 35 LEFT button
- 36 RIGHT button
- **37 METRONOME button**
- 38 SPEAK button

Controller Indicators

Song/Piano Bank controller indicator

Pressing the SONG BANK or PIANO BANK button causes the Song/Piano Bank controller indicator to light. This indicates that buttons ® through @ are currently functioning as playback control buttons.

Rhythm controller indicator

Pressing the RHYTHM button to enter the Rhythm Mode causes the Rhythm controller indicator to light. This indicates that buttons (8) through (2) are currently functioning as rhythm control buttons.

NOTE_

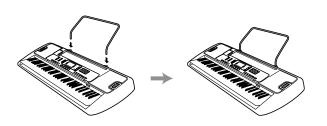
- Display examples shown in this User's Guide are intended for illustrative purposes only. The actual text and values that appear on the display may differ from the examples shown in this User's Guide.
- Viewing a liquid crystal display screen from an angle can change the appearance of display contrast. The display contrast of
 this keyboard is set to allow easy viewing for a person seated on a chair in front of the keyboard. Note that display contrast
 is fixed, and cannot be adjusted.

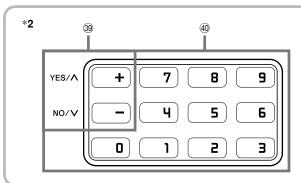
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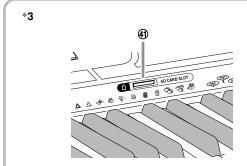
*1 Attaching the Score Stand

Insert both ends of the music stand provided with the keyboard into the two holes on the top surface.

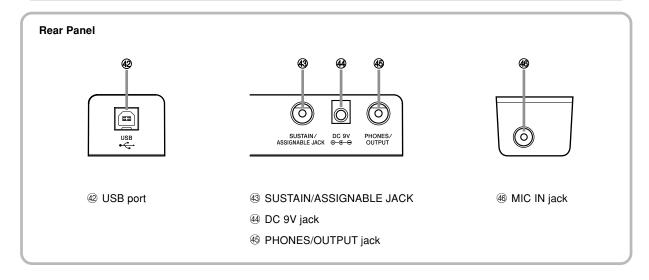




- - 40 Number buttons =
- Negative values cannot be input using the number buttons. Use [+] (increase) and [-] (decrease) instead.
- For input of numbers to change a displayed number or setting.

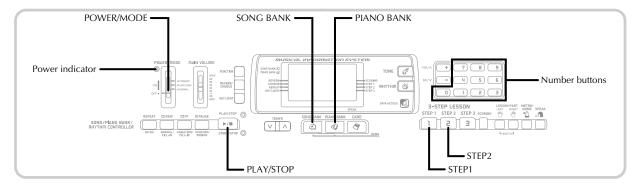


(4) SD CARD SLOT



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Quick Reference



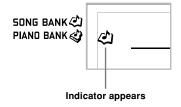
This section provides a quick overview of keyboard operation using steps one and two of the 3-step lesson feature.

To play the keyboard

- Set the POWER/MODE switch to NORMAL.
 - This causes the power indicator to light.



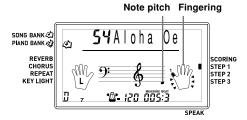
Press the SONG BANK button.



- 3 Find the tune you want to play in the SONG BANK List, and then use the number buttons to input its two-digit number.
 - See page A-7 for the SONG BANK List. Example: To select "54 ALOHA OE", input 5 and then 4.



- 4 Press the STEP 1 button or STEP 2 button.
 - The keyboard sounds a count beat and waits for you to play something on the keyboard. The keys that you need to press first flash.
- **5** Play the melody along with the selected tune's accompaniment.
 - Play in accordance with the fingerings, notes, and dynamic marks that appear on the display.



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- Play the notes on the keyboard.
- Accompaniment (left-hand part) plays in time with the notes.
- With Step 1, the correct melody note is played no matter which keyboard key you press.



If you selected lesson Step 2

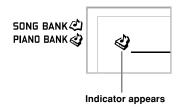
• Play the correct notes on the keyboard.



- Press the keyboard key that lights. Note that with a Piano Bank tune, the keyboard key light turns off as soon as you press the key.
- The keyboard key for the next note you will need to play flashes.
- Accompaniment (left-hand part) plays in time with the notes, as long as you press the correct keyboard keys.
- 6 To stop play at any time, press the PLAY/STOP button.

To play an Etude or Concert Piece tune

When you get to step 2 of the above procedure, press the PIANO BANK button in place of the SONG BANK button.



- Find the tune you want to play in the PIANO BANK List, and then use the number buttons to input its two-digit number.
 - See page A-7 for the PIANO BANK List.
- 3 Next, continue from step 4 of the above procedure.



Power Supply

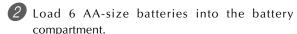
This keyboard can be powered by current from a standard household wall outlet (using the specified AC adaptor) or by batteries. Always make sure you turn the keyboard off whenever you are not using it.

Using batteries

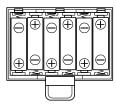
Always make sure you turn off the keyboard before loading or replacing batteries.

To load batteries





 Make sure that the positive (+) and negative (-) ends are facing correctly.



Insert the tabs on the battery compartment cover into the holes provided and close the cover.

NOTE_

 The keyboard may not function correctly if you load or replace batteries with power turned on. If this happens, turning the keyboard off and then back on again should return functions back to normal.

Important Battery Information

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Misuse of batteries can cause them to leak, resulting in damage to nearby objects, or to explode, creating the risk of fire and personal injury. Always make sure you observe the following precautions.

- Never try to take batteries apart or allow them to become shorted.
- Never expose batteries to heat or dispose of them by incineration.
- · Never mix old batteries with new ones.
- · Never mix batteries of different types.
- · Do not charge the batteries.
- Make sure the positive (+) and negative (-) ends of the batteries are facing correctly.



Misuse of batteries can cause them to leak resulting in damage to nearby objects, or to explode, creating the risk of fire and personal injury. Always make sure you observe the following precautions.

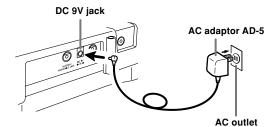
- Use only batteries that are specified for use with this product.
- Remove batteries from the product if you do not plan to use it for a long time.

Using the AC Adaptor

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

Specified AC Adaptor: AD-5

[Rear Panel]



Note the following important precautions 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.
- The power cord should not be stretched tight while it is in use.

During Movement

 Before moving the keyboard, 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.

IMPORTANT! .

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

Auto Power Off

When you are using battery power, keyboard power turns off automatically whenever you leave it on without performing any operation for about 6 minutes. When this happens, adjust the POWER/MODE switch to turn power back on.

NOTE.

 Auto Power Off is disabled (it does not function) when you are using the AC adaptor to power the keyboard.

To disable Auto Power Off

Hold down the TONE button while turning on the keyboard to disable Auto Power Off.

NOTF_

- When this function is turned off, the keyboard does not turn off automatically no matter how long it is left with no operation being performed.
- Auto Power Off is enabled again when you manually turn off power and then turn it back on again.

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Power On Alert

Keyboard keys light to alert you if you leave power on and do not perform any operation for about 6 minutes. Note that keys light only, and no sound is produced. When this happens, press any button or keyboard key to clear the power on alert.

NOTE.

 Power on alert operates only when you are powering the keyboard using the AC adaptor. It does not operate when you are using batteries.

To turn off power on alert

- Press the FUNCTION button a number of times until "DEMO 2" appears on the display.
- Use the [+] and [-] buttons to change the setting to "oFF".
- 3 Press the FUNCTION button to clear the setting screen from the display.

Memory Contents

Even when the keyboard is turned off, user song data saved as Song Bank tunes are retained as long as power is being supplied to the keyboard.

Unplugging the AC adaptor when batteries are not loaded or when batteries are dead cuts off the power supply. This causes all keyboard settings to be initialized to the initial factory defaults, and clears all data stored in memory.

Power Requirements

Note the following precautions whenever you want to ensure that current keyboard settings and memory contents are not lost

- Make sure the keyboard is being supplied power through the AC adaptor before replacing its batteries.
- Before unplugging the AC adaptor, make sure that fresh batteries are loaded in the keyboard.

Make sure that keyboard power is turned off before replacing batteries or unplugging the AC adaptor.

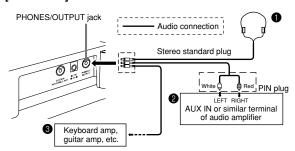
Connections

Phones/Output Jack

PREPARATION .

 Before connecting headphones or other external equipment, be sure to first turn down the volume settings of the keyboard and the connected equipment. You can then adjust volume to the desired level after connections are complete.

[Rear Panel]



Connecting Headphones (Figure 1)

Connecting headphones cuts off output from the keyboard's built-in speakers, so you can play even late at night without disturbing anyone.

Audio Equipment (Figure 2)

Connect the keyboard to an audio equipment using a commercially available connecting cord with a standard plug on one end and two PIN plugs on the other end. Note that the standard plug you connect to the keyboard must be a stereo plug, otherwise you will be able to output only one of stereo channels. In this configuration, you normally set the input selector of the audio equipment to the terminal (usually marked AUX IN or something similar) where the cord from the keyboard is connected. See the user documentation that comes with your audio equipment for full details.

Musical Instrument Amplifier (Figure 3)

Use a commercially available connecting cord to connect the keyboard to a musical instrument amplifier.

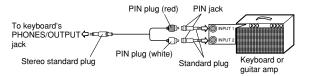
NOTE _

 Be sure to use a connecting cord that has a stereo standard plug on the end you connect to the keyboard, and a connector that provides dual channel (left and right) input to the amplifier to which you are connecting. The wrong type of connector at either end can cause one of the stereo channels to be lost.

When connected to a musical instrument amplifier, set the volume of the keyboard to a relatively low level and make output volume adjustments using the amplifier's controls.

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Connection Example



USB port

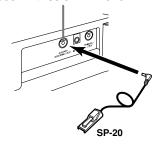
You can also connect the keyboard to a computer. See "Connecting to a Computer" on page E-34 for details.

Sustain/Assignable Jack

You can connect an optional sustain pedal (SP-3 or SP-20) to the SUSTAIN/ASSIGNABLE JACK to enable the capabilities described below.

For details on how to select the pedal function you want, see "SUSTAIN/ASSIGNABLE JACK (Default: SUS)" on page E-37.

SUSTAIN/ASSIGNABLE JACK



Sustain Pedal

- With piano tones, depressing the pedal causes notes to linger, much like a piano's damper pedal.
- With organ tones, depressing the pedal causes notes to continue to sound until the pedal is released.

Sostenuto Pedal

- As with the sustain pedal function described above, depressing the sostenuto pedal causes notes to be sustained.
- This difference between a sostenuto pedal and sustain pedal is the timing. With a sostenuto pedal, you press the keys and then depress the pedal before you release the keys.
- Only the notes that are sounding when the pedal is depressed are sustained.

Soft Pedal

Depressing the pedal softens the sound of the notes being played.

Rhythm Start/Stop Pedal

In this case, the pedal performs the same functions as the START/STOP button.

Microphone Jack

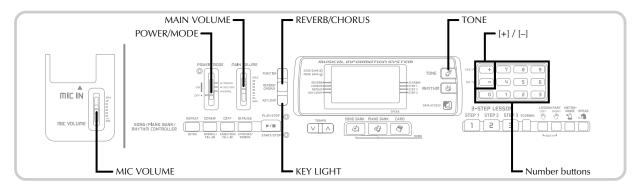
You can connect a commercially available microphone to the microphone jack and sing along with notes played on the keyboard. For details, see "Using the Microphone Jack" on page E-17.

Accessories and Options

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

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Basic Operations



This section provides information on performing basic keyboard operations.

To play the keyboard

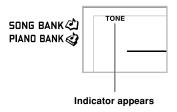
- Set the POWER/MODE switch to NORMAL.
- 2 Use the MAIN VOLUME slider to set the volume to a relatively low level.
- 3 Play something on the keyboard.

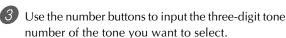
Selecting a Tone

This keyboard comes with 264 built-in tones. Use the following procedure to select the tone you want.

To select a tone

- 1 Find the tone you want to use in the TONE List and note its tone number.
 - Not all of the available tones are shown on the tone list printed on the keyboard console. For a complete list, see the "Tone List" on page A-1.
- 2 Press the TONE button.





Example: To select "049 ACOUSTIC BASS", input 0, 4 and then 9.



NOTE.

- Always input all three digits for the tone number, including leading zeros (if any). If you input one or two digits and stop, the display will automatically clear your input after a few seconds.
- You can also increment the displayed tone number by pressing [+] and decrement it by pressing [-].
- When one of the drum sets is selected (tone numbers 256 through 263), each keyboard key is assigned a different percussion sound. See page A-4 for details.

Polyphony

The term polyphony refers to the maximum number of notes you can play at the same time. The keyboard has 32-note polyphony, which includes the notes you play as well as the rhythms and auto-accompaniment patterns that are played by the keyboard. This means that when a rhythm or auto-accompaniment pattern is being played by the keyboard, the number of notes (polyphony) available for keyboard play is reduced. Also note that some of the tones offer only 16-note polyphony.

 When rhythm or auto accompaniment is playing, the number of sounds simultaneously played is reduced.

E-16

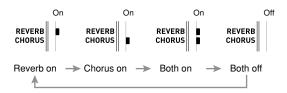


Reverb: Makes your notes resonate Chorus: Adds more breadth to your notes



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

• You can find out the current effect setting by looking at the REVERB and CHORUS indicators.





After turning on the effect you want, use the number buttons or the [+]/[-] buttons to select the effect type you want.

 Note that you need to select an effect type with the number buttons or the [+]/[-] buttons within a few seconds after turning on an effect. If you don't, the display will exit the setting screen.

Effect List

Reverb	0: Room 1	Chorus	0: Chorus 1
	1: Room 2		1: Chorus 2
	2: Hall 1		2: Chorus 3
	3: Hall 2		3: Chorus 4

Turning the Key Light System On and Off

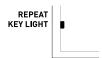
Use the following procedure when you want to turn the key light system on or off.

To turn the key light system on and off



Press the KEY LIGHT button to toggle the key light system on and off.

• The KEY LIGHT indicator disappears when the key light system is turned off.



NOTE.

 The key light system is turned on automatically whenever you turn on keyboard power.

Using the Microphone Jack

Connecting a commercially available microphone to the MIC IN jack makes it possible to sing along with the keyboard's built-in tunes or with SMF playback. When connecting a microphone, be sure to first adjust the MIC VOLUME to a relatively low setting, and then adjust to the level you want after connecting.



Set the MIC VOLUME slider setting so it is on the "MIN" side.

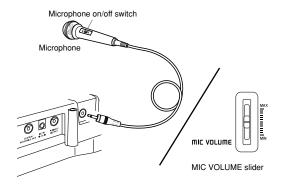


Turn on the microphone's on/off switch.



Use the MIC VOLUME slider to adjust microphone volume to the level you want.

[Rear Panel]



IMPORTANT!

 Be sure to use the microphone's on/off switch to turn off the microphone and to disconnect the microphone from the keyboard whenever you are not using it.

Recommended Microphone Type

• Dynamic microphone (standard plug)

IMPORTANT!

• Be sure to disconnect the microphone from the keyboard whenever you are not using it.

Howling (Feedback Noise)

Any of the following conditions can cause howling (feedback noise).

- Covering the head of the microphone with your hand
- Positioning the microphone too near to a speaker

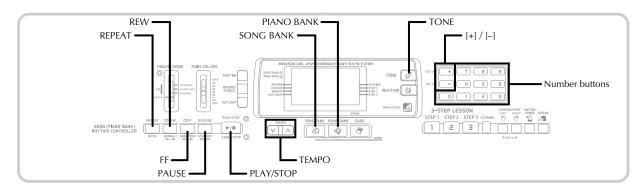
Should howling occur, try grasping the microphone further away from the head, and move away from any nearby speaker.

Static Noise

Fluorescent lighting can cause static noise in the microphone signal. When this happens, move away from the lighting you suspect may be causing the static.

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Playing a Built-in Tune



Your keyboard comes with a total of built-in 100 tunes. You can play back built-in tunes for your own listening pleasure, or you can use them for practice and even sing-along. Builtin tunes are divided between the two groups described below.

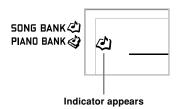
- Song Bank Group: 65 tunes The tunes in this group are Auto Accompaniment tunes.
- Piano Bank Group: 35 tunes The piano tunes in this group are subdivided between 10 etudes and 25 concert pieces.

In addition to the built-in tunes, you can also play back the tunes you download over the Internet (page E-35).

To play back a Song Bank tune

PREPARATION

- · Adjust the main volume (page E-16).
- Find the tune you want to play in the SONG BANK List, and note its number.
 - See page A-7 for the SONG BANK List.
- Press the SONG BANK button to enter the Song Bank Mode.





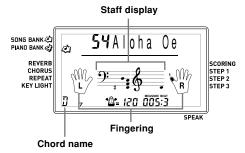
Use the number buttons to input the tune's twodigit number.

Example: To select "54 ALOHA OE", input 5 and then 4.



NOTE_

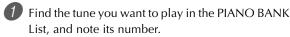
- · Tune Number 00 is the initial default Song Bank tune setting whenever you turn on keyboard power.
- You can also increment the displayed tune number by pressing [+] and decrement is by pressing [-].
- Press the PLAY/STOP button to start play of the tune.



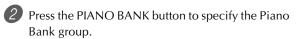
- 5 Press the PLAY/STOP button to stop playback of the Song Bank tune.
 - The tune you select continues to play until you stop it.

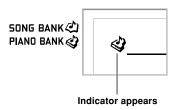
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• See page A-7 for the PIANO BANK List.





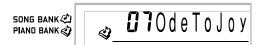
NOTE_

 Pressing the PIANO BANK button changes the tone to STEREO PIANO (Tone Number 000).



Use the number buttons to input the two-digit tune number you looked up in step 1.

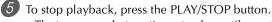
Example: To select tune number 07 (ODE TO JOY), input 0 and then 7.



NOTE.

- Tune Number 00 is the initial default Piano Bank tune setting whenever you turn on keyboard power.
- You can also change the displayed tune number using the [+] and [-] buttons.



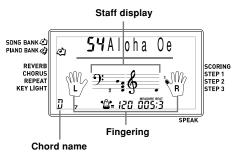


 The tune you select continues to play until you stop it.

Musical Information System

When the keyboard is playing one of its built-in tunes, the display shows a variety of information about the tune.

Example: Display during Song Bank play



NOTE_

· Chord names are not displayed for Piano Bank tunes.

Adjusting the Tempo

The tempo (beats per minute) can be set to a value in the range of 30 to 255. The tempo value you set is used for Song Bank, Piano Bank, 3-step lesson, and Auto Accompaniment chord play, as well as playback from memory card and metronome operation.

To set the tempo



Use the TEMPO buttons to set the tempo.

 \wedge : Increases the tempo value.

V : Decreases the tempo value.



NOTE.

- While the tempo value is flashing, you can also use the number buttons or [+] and [-] to input a three-digit value.
 Note that you must input leading zeros, so 90 is input as 090.
- Pressing both the ∧ and ∨ TEMPO buttons at the same time automatically returns the currently selected rhythm to its default tempo.
- Piano Bank tunes have tempo changes part way through in order to produce specific musical effects.

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- 1 Press the PAUSE button while a tune is playing to pause it.
- Pressing the PAUSE button again resumes play from the point where it was paused.

To fast reverse

- 1 While a tune is playing or paused, hold down the REW button to skip in a reverse direction at high speed.
 - The fast reverse operation skips back one measure at
 - The measure and beat numbers on the display change while the fast reverse operation is being performed.

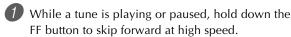


Releasing the REW button starts song playback from the measure whose number is shown on the display.

NOTE_

- Fast reverse does not work while tune play is stopped.
- · Certain playback conditions can cause it to take some time before fast reverse starts after you press the REW button.

To fast forward



- The fast forward operation skips forward one measure
- The measure and beat numbers on the display change while the fast forward operation is being performed.





Releasing the FF button starts song playback from the measure whose number is shown on the display.

NOTE -

· Fast forward does not work while tune play is stopped.

Looping a Musical Phrase

You can select one or more measures and "loop" them, which means that they play again and again until you stop playback.

- 1) While the tune is playing, press the REPEAT button while the measure you want to start from is playing.
 - This causes the repeat indicator to flash on the display, and displays the measure number of the start measure.
 - 2) When playback is within the measure you want to specify as the end of the loop, press the REPEAT button again.
 - This displays the measure number of the end measure, and starts repeat play of the loop.
 - To cancel repeat play of a loop, press the REPEAT button again so the repeat indicator is not displayed.

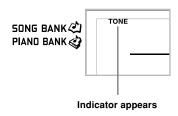
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To change the melody tone



Press the TONE button.

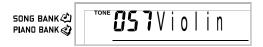




Find the tone you want in the TONE List, and then use the number buttons to input its three-digit number.

Example: To select "057 VIOLIN", input 0, then 5, then

• You can select any one of the keyboard's 264 built-in tones.



NOTE -

- You can also use the [+] and [-] buttons to change the melody tones.
- · For two-hand tunes (Piano Bank tunes), the same tone is applied for both the left and right hand parts.
- · Specifying the tune number for the same tune that is currently selected returns the melody tone to the default setting for that tune.

To play all tunes in succession



Press the SONG BANK button and PIANO BANK button at the same time.

- Playback starts from Song Bank tune number 00, followed in sequence by Piano Bank tunes.
- 2 To stop tune play, press the PLAY/STOP button.

NOTE_

- While a tune is playing, you can use the number buttons or [+] and [-] to change to another tune.
- You can play along with the tunes on the keyboard.

Using the PIANO BANK Button

Pressing the PIANO BANK button provides instant access to piano tones and piano tune selection.

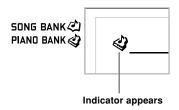
Initial Piano Bank Setting

Tone: 000 STEREO PIANO

To use the piano bank



Press the PIANO BANK button.





Now try playing something on the keyboard.

• The notes you play sound with a piano tone.



If you want to playback the built-in tune, press the PLAY/STOP button.

- This causes the currently selected tune to play in an endless loop.
- To stop playback, press the PLAY/STOP button again.

Using the SMF Data on the **Bundled CD-ROM**

The CD-ROM that comes bundled with the keyboard contains demos as well as 25 tunes (SMF data) that you can use for step lessons. It also contains PDF format files that contain the music of the included For a full list of the tunes that are included, open the "List.txt" file located inside the "MusicDataFolder" on the CD-ROM. For each tune, "List.txt" shows the tune name, SMF file name, PDF file name of the music score, and the type of lesson* for which the tune can be used.

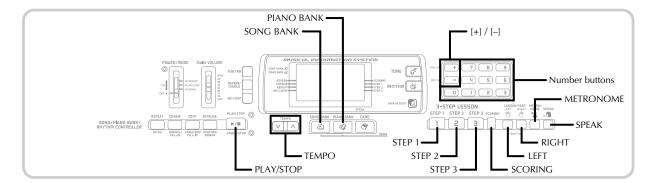
* A tune marked with an asterisk (*) can be used for a bothhand lesson. A tune that is not marked with an asterisk can be used for a right-hand lesson.

NOTE_

- · You can load SMF data from the CD-ROM to the keyboard using an SD memory card (page E-40) or using the SMF converter tool (page E-35).
- You will need to have Adobe Reader or Acrobat Reader installed on your computer in order to view the contents of a music score PDF file. If neither of these applications is installed on your computer, see "Installing Adobe Reader (Acrobat Reader**)" on page E-34.

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3-Step Lesson



With the 3-Step Lesson System, you can practice built-in tunes and SMF data from a memory card, and even plot your progress according to the evaluation points the keyboard awards you.

* See "Using a Memory Card" on page E-38 for information about using the SMF data from a memory card for playback.

Lesson Progress



3-Step Lesson

The 3-step lesson feature takes you through the three distinct steps described below to help you learn to play tunes on the keyboard.

Step 1 - Master the timing.

In this step, pressing any key on the keyboard plays the correct note, so you can concentrate on getting the timing right without worrying about playing the right note. Accompaniment (left-hand part) waits until you press a key before proceeding to the next phrase.

Step 2 - Master the notes.

In this step, you use the display to learn which fingers you should use and how loud or soft to play, and the key light system to learn which keyboard keys to press. Accompaniment (left-hand part) waits until your play the correct note, so you can learn at your own pace.

Step 3 - Play at normal speed.

This is where you enjoy actually playing the tunes you learn using Step 1 and Step 2. The key light system still shows you which keyboard keys to press, but accompaniment proceeds at normal speed regardless of whether or not you play the correct notes.

Lesson Parts

3-Step Lesson lets you practice the right-hand part, left-hand part, or the parts for both hands.

Key Lighting System Operation and Display Contents During 3-step Lesson Play

Whenever you select an Auto Accompaniment tune for 3-step lesson play, the key lighting system shows you which keys to press, while the display shows you the notes and their fingerings.

Note Pitch

The keyboard key that should be pressed lights, while the actual pitch of the note appears in the display's staff notation area. The fingers you should use to play the notes are also shown on the display.

Note Length

Keyboard keys stay lit for as long as the note should be played. The staff notation and fingerings also remain on the display for the length of the note.

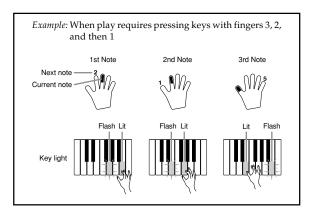
Next Note

The keyboard key for the next note to be played flashes, while a number appears on the display near the finger you should use to play the next note.

Series of Same Pitch Notes

The keyboard key light turns off momentarily between the notes and lights again for each successive note. The staff notation and fingerings also turn off and back on again.

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NOTE_

- Note length is not indicated when you are using twohand tunes with 3-step lesson Steps 1 and 2. As soon as you press a lit key, it goes out and the next key to be played starts to flash.
- Note length is indicated by the key light system when you use a two-hand tune with Step 3. In this case, the next key to be pressed does not flash when you press a lit key and the next finger number does not appear on the display. Only the current finger number is shown.

3-step Lesson Tempo Setting

Use the procedure under "Adjusting the Tempo" on page E-19 to adjust the tempo for 3-step lesson play.

Dynamic Marks

The dynamic marks listed below appear on the display while tunes are playing. Adjust the pressure you apply to the keyboard in accordance with the mark that is on the display.

pp pianissimo: Very soft

p piano: Soft

mp mezzo piano: Moderately soft*mf* mezzo forte: Moderately loud

f forte: Loud

ff fortissimo: Very loud

cresc. (<) crescendo: Gradually louderdecresc. (>) decrescendo: Gradually softer

Evaluation Mode

The keyboard's Evaluation Mode awards points to your performances during Step 3 of the 3-Step Lesson. A perfect score is 100. Also, the Evaluation Mode provides comments about your play on the monitor screen.

Evaluation Mode Display

Level Indicator (9 Levels): This indicator shows the evaluation of your current performance at a glance. The more segments that appear, the higher your points.

Example: 50 points



Timing Indicator: In the Evaluation Mode, the configuration of the star changes with each note to let you know how your timing is. The more stars, the better your timing.



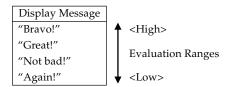




Evaluation Results

After you finish playing, the keyboard calculates an evaluation of your total performance, from beginning to end, and displays your total score on the monitor screen. The greater the score, the higher your evaluation is.

Evaluation Rank Display Messages



"****": indicates that the Evaluation Mode was exited before an evaluation result could be obtained.

NOTE_

 If you press the PLAY/STOP button and interrupt the Evaluation Mode part way through, the monitor screen shows the evaluation points you have accumulated up to that point. In this case, the keyboard does not display a message.

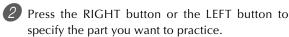
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Using the Lesson Functions and Evaluation Mode

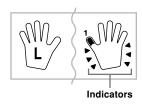
Perform the following steps to master your favorite tunes.

Step 1 - Master the timing.

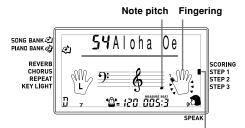




- If you want to practice both hands, press both buttons at the same time.
- Indicators appear around the hand on the display whose part is selected for practice.



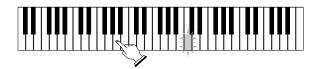
- 3 Press the STEP 1 button to start Step 1 play.
 - After a count sounds, they keyboard stands by and waits for you to play the first note of the tune.
 - Voice fingering guide will use a simulated human voice to call out fingering numbers during one-hand part practice. See "Voice Fingering Guide" on page E-26 for details.



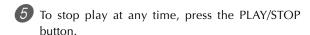
Indicator appears

4

Press any keyboard keys to play the notes.

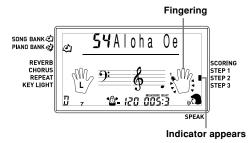


- The key for the next note to be played flashes while the keyboard waits for you to play it. When you press any key to play the note, the key remains lit as the note plays.
- Accompaniment (left-hand part) waits until you press any key to play a note.
- If you accidentally press more than one key in succession, accompaniment is played for the corresponding number of notes.
- Pressing more than one key at the same time counts as a single note. Pressing a key while another key is held down is counted as two notes.

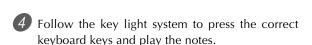


Step 2 – Master the notes.

- 1 Select the tune you want to use.
- Press the RIGHT button or the LEFT button to specify the part you want to practice.
 - If you want to practice both hands, press both buttons at the same time.
- Press the STEP 2 button to start Step 2 play.
 - After a count sounds, the keyboard stands by and waits for you to play the first note of the tune.
 - Voice fingering guide will use a simulated human voice to call out fingering numbers during one-hand part practice. See "Voice Fingering Guide" on page E-26 for details.



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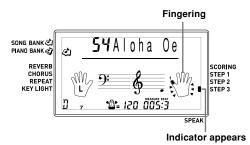




- The key for the next note to be played flashes while the keyboard waits for you to play it. When you press any key to play the note, the key remains lit as the note plays.
- If multiple keys light on the on-screen keyboard guide when you are using a two-hand tune, it means that you must press all of the keys that are lit.
- **5** To stop play at any time, press the PLAY/STOP button.

Step 3 – Play at normal speed.

- 1 Select the tune you want to play.
- Press the RIGHT button or the LEFT button to specify the part you want to practice.
 - If you want to practice both hands, press both buttons at the same time.
- 3 Press the STEP 3 button to start Step 3 play.
 - Accompaniment (left hand part) starts to play at normal speed.



4 Follow the key light system to press the correct keyboard keys and play the notes.

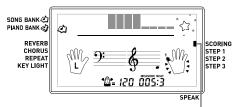


5 To stop play at any time, press the PLAY/STOP button.

Evaluation: Find out how the keyboard evaluates your Step 3 play.

Use the SCORING button to check the evaluation of your play in Step 3.

- 1 Press the SCORING button.
 - This causes the SCORING indicator to appear on the display.
 - A count beat sounds and then evaluation mode starts.



Indicator appears

- Play in accordance with the guidance on the monitor screen.
 - To stop evaluation, press the PLAY/STOP button. This displays only the points accumulated up to that point.
- 3 After you finished playing, your evaluation result appears on the display.
 - For information about evaluation ranks, see "Evaluation Results" on page E-23.
 - Pressing the SONG BANK button or PIANO BANK button returns to the tune selection screen.



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Voice Fingering Guide

Voice fingering guide uses a simulated human voice to call out fingering numbers during Step 1 and Step 2 one-hand part practice. If you need to press a key with your thumb, for example, voice fingering guide says, "One!" In the case of a chord to be played with your thumb, middle and little finger, voice fingering guide says, "One, three, five!"

Voice Fingering Guide calls out fingerings only when you do not press the proper key when you should.

Voice Fingering Guide

One : Thumb
Two : Forefinger
Three : Middle finger
Four : Ring finger
Five : Little finger

To turn voice fingering guide on or off

Press the SPEAK button to toggle voice fingering guide on (voice fingering guide indicator displayed) and off (indicator not displayed).



NOTE.

- Note that Voice Fingering is disabled in the Evaluation Mode.
- Exiting the Evaluation Mode automatically restores the Voice Fingering setting that was in effect when you entered the Evaluation Mode.

Using the Metronome

The metronome feature of this keyboard produces a bell sound for the first beat of each measure, followed by click sounds for each successive beat of the measure. It is the perfect tool for practicing tunes without accompaniment (rhythm).

To start the metronome



Press the METRONOME button to start sounding the metronome.

• This causes "Beat" to appear on the display. Perform step 2 within five seconds after "Beat" appears.





Use the number buttons or [+] and [-] to change the number of beats per measure.

• You can specify 0, or a value from 2 to 6 as the number of beats per measure.

song bank <₽ **5** Beat

NOTE.

 The bell (indicating the first beat of a measure) does not sound while one beat per measure is specified. All beats are indicated by a click sound. This setting lets you practice with a steady beat, without worrying about how many beats there are in each measure.



Use the TEMPO buttons to set the tempo.

 Press ∧ to increase the tempo (make if faster) or ∨ to decrease it (make it slower).



NOTE_

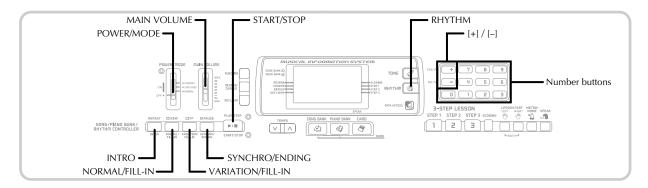
- While the tempo value is flashing, you can also use the number buttons or [+] and [-] to input a three-digit value.
 Note that you must input leading zeros, so 90 is input as 090.
- Pressing both the ∧ and ∨ TEMPO buttons at the same time automatically returns the currently selected rhythm or tune to its default tempo.



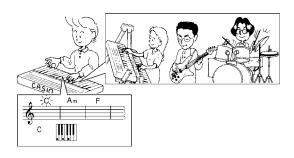
To turn off the metronome, press the METRONOME button.

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Auto Accompaniment



This keyboard automatically plays bass and chord parts in accordance with the chords you finger. The bass and chord parts are played using sounds and tones that are automatically selected to select the rhythm you are using. All of this means that you get full, realistic accompaniments for the melody notes you play with your right hand, creating the mood of an one-person ensemble.



Selecting a Rhythm

This keyboard provides you with 120 exciting rhythms that you can select using the following procedure.

To select a rhythm

- 1 Find the rhythm you want to use in the RHYTHM List and note its rhythm number.
 - Not all of the available rhythms are shown on the rhythm list printed on the keyboard console. For a complete list, see the "Rhythm List" on page A-6.
- 2 Press the RHYTHM button.



3 Use the number buttons to input the three digit rhythm number for the rhythm you want to select. Example: To select "075 RHUMBA", input 0, 7 and then



NOTE.

- You can also increment the displayed rhythm number by pressing [+] and decrement it by pressing [-].
- Some rhythms consist of chord accompaniments only, without any drums or other percussion instruments. Such rhythms do not sound unless CASIO CHORD or FINGERED is selected as the accompaniment mode.

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Use the following procedure to start and stop rhythm play.

To play a rhythm

- Set the POWER/MODE switch to NORMAL.
- Press the START/STOP button to start play of the currently selected rhythm.
- To stop rhythm play, press the START/STOP button again.

NOTE -

· All of the keyboard keys are melody keys while the POWER/MODE switch is set to NORMAL.

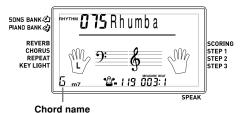
Using Auto Accompaniment

The following procedure describes how to use the keyboard's Auto Accompaniment feature. Before starting, you should first select the rhythm you want to use and set the tempo of the rhythm to the value you want.

To use Auto Accompaniment

- Set the POWER/MODE switch to CASIO CHORD or FINGERED.
- Press the START/STOP button to start play of the currently selected rhythm.
- 3 Play a chord.
 - The actual procedure you should use to play a chord depends on the current POWER/MODE switch position. Refer to the following pages for details on chord play.

CASIO CHORD Page E-28 FINGERED Page E-29





4 To stop Auto Accompaniment play, press the START/ STOP button again.

NOTF_

- If you press the SYNCHRO/ENDING button and then the INTRO button in place of the START/STOP button in step 2, accompaniment will start with an intro pattern when you perform the operation in step 3. For details about these buttons, see pages E-30 and E-31.
- · If you press the SYNCHRO/ENDING button in place of the START/STOP button in step 4, an ending pattern will play before accompaniment play is ended. For details about this button, see page E-31.
- · You can adjust the accompaniment part volume level independently of the main volume. For details, see "Adjusting Accompaniment and Song Bank Volume" on page E-32.

CASIO CHORD

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

CASIO CHORD Accompaniment Keyboard and Melody Keyboard



NOTF.

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

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Chord Types

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

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

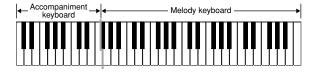
NOTE_

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

FINGERED

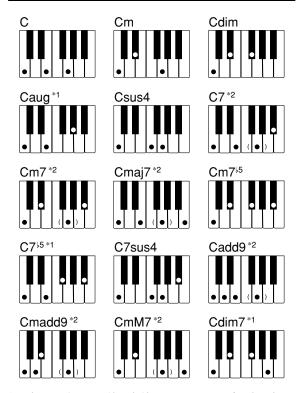
FINGERED provides you with a total of 15 different chord types. The following describes the FINGERED "Accompaniment keyboard" and "Melody keyboard", and tells you how to play a C-root chord using FINGERED.

FINGERED Accompaniment Keyboard and Melody Keyboard



NOTE.

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



See the FINGERED Chord Chart on page A-5 for details on playing chords with other roots.

- *1: Inverted fingerings cannot be used. The lowest note is the root.
- *2: The same chord can be played without pressing the 5th G.

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

Using an Intro Pattern

This keyboard lets you insert a short intro into a rhythm pattern to make startup smoother and more natural.

The following procedure describes how to use the Intro feature. Before starting, you should first select the rhythm you want to use, and set the tempo.

To insert an i<u>ntro</u>



Press the INTRO button to start the selected rhythm with an intro pattern.

 With the above setup, the intro pattern is played and the auto accompaniment with intro pattern starts as soon as you play chords on the accompaniment keyboard.

NOTE_

- The standard rhythm pattern starts to play after the intro pattern is complete.
- Pressing the VARIATION/FILL-IN button while an intro pattern is playing causes the variation pattern to sound after the intro pattern is complete.

Using a Fill-in Pattern

Fill-in patterns let you momentarily change the rhythm pattern to add some interesting variation to your performances.

The following procedure describes how to use the Fill-in feature.

To insert a fill-in



Press the START/STOP button to start rhythm play.



Press the NORMAL/FILL-IN button to insert a fill-in pattern for the rhythm you are using.

NOTE -

 The fill-in pattern does not play if you press the NORMAL/FILL-IN button while an intro pattern is playing.

Using a Rhythm Variation

In addition to the standard rhythm pattern, you can also switch to a secondary "variation" rhythm pattern for a bit of variety.

To insert the variation rhythm pattern



Press the START/STOP button to start rhythm play.



Press the VARIATION/FILL-IN button to switch to the variation pattern for the rhythm you are using.

NOTE

• To switch back to the standard rhythm pattern, press the NORMAL/FILL-IN button.

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You can also insert a fill-in pattern while a variation rhythm pattern is playing.

To insert a fill-in into a rhythm variation



While a variation rhythm pattern is playing, press the VARIATION/FILL-IN button to insert a fill-in pattern for the variation rhythm you are using.

Synchro Starting Accompaniment with Rhythm Play

You can set up the keyboard to start rhythm play at the same time you play the accompaniment on the keyboard.

The following procedure describes how to use synchro start. Before starting, you should first select the rhythm you want to use, set the tempo, and use the POWER/MODE switch to select the chord play method you want to use (NORMAL, CASIO CHORD, FINGERED).

To use synchro start



Press the SYNCHRO/ENDING button to put the keyboard into synchro start standby.





Playing a chord and the rhythm pattern starts to play automatically.

NOTE_

- If the POWER/MODE switch is set to NORMAL, only the rhythm plays (without a chord) when you play on the accompaniment keyboard.
- If you press the INTRO button before playing anything on the keyboard, the rhythm starts automatically with an intro pattern when you play something on the accompaniment keyboard.
- Pressing the VARIATION/FILL-IN button before playing anything on the keyboard causes play to start with the variation pattern when something is played on the keyboard.
- To cancel synchro start standby, press the SYNCHRO/ ENDING button one more time.

Finishing with an Ending Pattern

You can end your performances with an ending pattern that brings the rhythm pattern you are using to a natural-sounding conclusion.

The following procedure describes how to insert an ending pattern. Note that the actual ending pattern played depends on the rhythm pattern you are using.

To finish with an ending pattern



While the rhythm is playing, press the SYNCHRO/ENDING button.

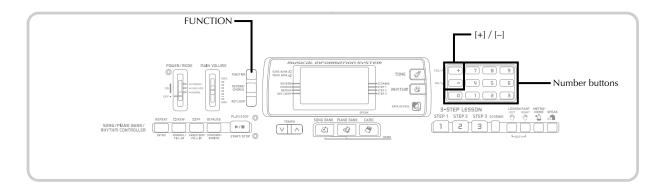
 This causes the ending pattern to play, which brings rhythm accompaniment to an end.

NOTE.

 The timing when the ending pattern starts depends on when you press the SYNCHRO/ENDING button. If you press the button before the second beat of the current measure, the ending pattern starts playing immediately. Pressing the button at any point in the measure after the second beat results in the ending pattern playing from the beginning of the following measure.

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Keyboard Settings



About FUNCTION button

Each press of the FUNCTION button cycles through the setting screens. If you accidentally pass the screen you want to use, keep pressing the FUNCTION button until the screen appears again.

Adjusting Accompaniment and Song Bank Volume

You can adjust the volume of the accompaniment and Song Bank tunes independently of the notes you play on the keyboard. You can specify a volume level in the range of 000 (minimum) to 127 (maximum).

To adjust the accompaniment volume



Press the FUNCTION button until the accompaniment volume adjustment screen appears.



Current accompaniment volume setting



Use the number buttons or the [+]/[-] buttons to change the current volume setting value. *Example*: 110



NOTE.

- The current accompaniment volume value that appears in Step 1 automatically clears from the display if you do not input anything within about five seconds.
- Pressing [+] and [-] buttons at the same time automatically sets an accompaniment volume of 115.

To adjust built-in tune volume

Enter the Song Bank mode or Piano Bank mode, and then perform the procedure under "To adjust the accompaniment volume".

• In this case, a song volume screen will appear in place of the accompaniment volume screen.

NOTE -

 Pressing [+] and [-] buttons at the same time automatically sets an accompaniment volume of 127.

To adjust volume for playback of SMF data from a memory card

Load a memory card into the card slot, and then perform the procedure under "To adjust the accompaniment volume".

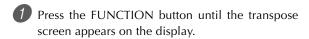
 In this case, a song volume screen will appear in place of the accompaniment volume screen.

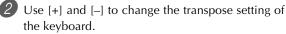
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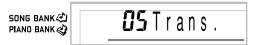
Transpose lets you raise and lower the overall key of the keyboard in semitone units. If you want to play an accompaniment for a vocalist who sings in a key that's different from the keyboard, for example, simply use transpose to change the key of the keyboard.

To transpose the keyboard





Example: To transpose the keyboard five semitones upwards.



NOTE.

- The keyboard can be transposed within a range of -12 to +12.
- The default transpose setting is "00" when keyboard power is turned on.
- If you leave the transpose screen on the display for about five seconds without doing anything, the screen is automatically cleared.
- The transpose setting also affects playback from Auto Accompaniment.
- To return the keyboard to its default key, perform the above procedure and press the [+] and [-] buttons at the same time in step 2.
- The effect of a transpose operation depends on the pitch of each note and on the tone you are currently using. If a transpose operation causes a note to be outside of the allowable range for a tone, the same note in the nearest octave within the range will be substituted.

Tuning the Keyboard

Use the following procedure to fine tune the keyboard to match the tuning of another musical instrument.

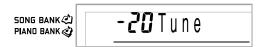
To tune the keyboard





2 Use the [+], [–], and the number buttons to adjust the tuning value.

Example: To lower tuning by 20

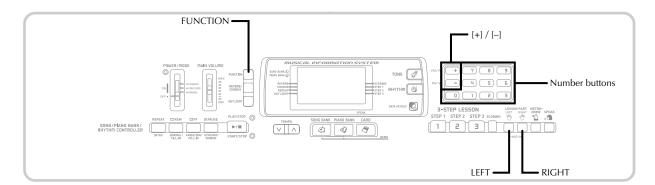


NOTE.

- The keyboard can be tuned within a range of -50 cents to +50 cents.
 - * 100 cents is equivalent to one semitone.
- The default tuning setting is "00" when keyboard power is turned on.
- If you leave the tuning screen on the display for about five seconds without doing anything, the screen is automatically cleared.
- The tuning setting also affects playback from Auto Accompaniment.
- To return the keyboard to its default tuning, perform the above procedure and press the [+] and [-] buttons at the same time in step 2.

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Connection to a Computer



Connecting to a Computer

The keyboard's USB port makes it quick and simple to connect to a computer. After installing the USB MIDI driver onto your computer from the CD-ROM that comes with the keyboard, you will be able to use commercially available MIDI software on your computer to exchange data between the keyboard and your computer.

To install the USB MIDI driver



On the computer to which you plan to connect, install the USB MIDI driver that comes on the CD-ROM that comes bundled with the keyboard.

 For information about installing the USB MIDI driver, see the "CASIO USB MIDI Driver User's Guide" (manual_e.pdf) on the "USB Manual and Driver CD-ROM".

NOTE.

- Before starting actual installation of USB MIDI driver, be sure to read the contents of the "readme.txt" file in the "English" folder on the CD-ROM.
- Use Adobe Reader or Acrobat Reader to access the USB MIDI driver user's guide.*
- * You need to have Adobe Reader or Acrobat Reader installed on your computer in order to view the contents of the "CASIO USB MIDI Driver User's Guide" (manual_e.pdf). If your computer does not have either Adobe Reader or Acrobat Reader installed, use the procedure below to install it.

Installing Adobe Reader (Acrobat Reader**)

- Place the "USB Manual and Driver CD-ROM" into your computer's CD-ROM drive.
- On the CD-ROM, navigate to the folder named "Adobe", open the folder named "English", and then double-click "ar601enu.exe" ("ar505enu.exe"**). Follow the instructions that appear on your computer screen to install Adobe Reader.
- ** Adobe Reader cannot be installed on a computer running Windows 98. If your computer is running under Windows 98, double-click "ar505enu.exe" to install Acrobat Reader.

Minimum Computer system Requirements

Supported Operating Systems

Operation is supported under Windows® XP, Windows® 2000, Windows® Me, Windows® 98SE, and Windows® 98.

Universal

- IBM AT or compatible computer
- USB port that provides normal operation under Windows
- CD-ROM drive (for installation)
- At least 2MB of free hard disk space (not including space required for Adobe Reader)

Windows XP

- 300MHz or higher Pentium processor
- At least 128MB of memory

Windows 2000

- 166MHz or higher Pentium processor
- At least 64MB of memory

Windows Me, Windows 98SE, Windows 98

- 166MHz or higher Pentium processor
- At least 32MB of memory

Driver Signing

Windows XP



Log on to Windows XP using a Computer administrator account. See the documentation that comes with Windows XP for information about Computer administrator accounts.

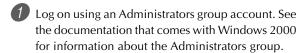


On the Windows [Start] menu, click [Control Panel].

- If you cannot see the [System] icon on the Control Panel, click [Switch to Classic View].
- 3 Click the [System] icon. On the dialog box that appears, click the [Hardware] tab, and then click the [Driver Signing] button.
- 4 On the dialog box that appears, select [Ignore], and then click [OK].

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- On the Windows [Start] menu, point to [Settings] and then click [Control Panel].
- Click the [System] icon. On the dialog box that appears, click the [Hardware] tab, and then click the [Driver Signing] button.
- 4 On the dialog box that appears, select [Ignore], and then click [OK].

NOTE_

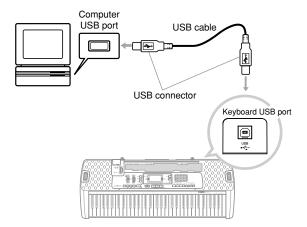
• Company and product names used herein are trademarks of their respective owners.

Using the USB port

Note that you need to purchase a commercially available USB cable to connect the keyboard to a computer using the USB port. Once you establish a USB connection between the keyboard and a computer, you can exchange data between them

To connect to a computer using the USB port

Use a commercially available USB cable to connect the keyboard to the computer.



Expanding the Selections in the Song Bank Tunes

You can transfer song data from your computer to the keyboard. You can store up to 10 tunes (about 320 KB) as Song Bank tunes 65 through 74. For SMF data you purchase or create, you need to use an SMF Converter to convert it to CASIO format before transferring it to the keyboard.

To install the SMF Converter



On the computer to which you plan to connect, install the SMF Converter that comes on the CD-ROM that comes bundled with the keyboard.

- On the CD-ROM, double-click "SMFConv-e.exe", and then follow the instructions that appear on your computer screen to install SMF Converter.
- * Before installing SMF Converter, be sure to read the contents of the "smfreadme.txt" file in each language folder on the CD-ROM.

For information about using SMF Converter, double-click "index.html" in the [help] folder, which was created when you installed SMF Converter. You can also access user documentation from the Windows [Start] menu by clicking [Programs] - [CASIO] - [SMF Converter] - [manual].

* A browser that supports frames (like Internet Explorer 4 or Netscape Navigator 4.04 or higher) is required to view the SMF Converter manual.

Minimum Computer System Requirements

* Operating System:

Windows 98SE

Windows Me

Windows XP

* Storage

At least 10MB free HDD space

- * USB interface
- You can also obtain a copy of the SMF Converter by downloading it at the Web page shown below. After downloading, install the software on your computer.

http://music.casio.com/

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

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Song Data Storage

Song data saved as Song Bank tunes are retained even when power is turned off, as long as the keyboard is being supplied battery or AC adaptor power. If you remove the batteries or should the batteries go dead while the keyboard is not being supplied power by the AC adaptor, song data will be deleted. Be sure to supply power to the keyboard with the AC adaptor when replacing batteries.

NOTE -

- · This keyboard supports SMF 0 and 1 format data.
- · Voice Fingering Guide and on-screen fingering indicators are not supported for commercially available SMF data.

General MIDI Tone

The General MIDI standard defines the tone numbering sequence, the drum sound numbering sequence, the number of MIDI channels that can be used, and other general factors that determine the sound source configuration. Because of this, musical data produced on a General MIDI sound source can be played back using similar tones and identical nuances as the original, even when played on another manufacturers sound source.

This keyboard conforms with General MIDI standards, so it can be connected to a computer and used to play back General MIDI data that has been purchased, downloaded from the Internet, or obtained from any other source.

Changing the Settings

This section tells you how to make the settings required when connecting to a computer.

KEYBOARD CHANNEL (Default: 1)

The keyboard channel is the channel used to send messages from this keyboard to a computer. You can specify one channel from 1 to 16 as the keyboard channel.





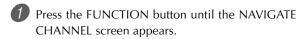
Use the [+], [-], and the number buttons to change the channel number.

Example: To specify channel 4

SONG BANK 🖎 PIANO BANK

NAVIGATE CHANNEL (Default: 4)

When messages are received from a computer for play on this keyboard, the navigate channel is the channel whose note data appears on the display. You can select one channel from 01 to 16 as the navigate channel. Since this setting lets you use the data on any channel of commercially available SMF data to light on the on-screen keyboard guide, you can analyze how different parts of an arrangement are played.





2 Use the [+], [–], and the number buttons [0] through [9] to change the channel number. Example: To specify channel 2



To turn off specific sounds before playing back tune data that is being received

<<Navigate channel on/off>>



While playing tune data, press the RIGHT button.

• This cuts the sound of the navigate channel, but onscreen keyboard guide keys continue to light in accordance with the channel's data as it is received. Press RIGHT button again to turn the channel back

<<Next lower channel from navigate channel on/off>>



While playing tune data, press the LEFT button.

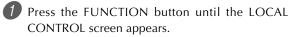
• This cuts the sound of the channel whose number is one less than the navigate channel, but on-screen keyboard guide keys continue to light in accordance with the channel's data as it is received. Press LEFT button again to turn the channel back on.

Example: If the navigate channel is channel 4, the above operation turns off channel 3.

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- oFF: Anything played on the keyboard is output as a message from the USB port, without being sounded by the internal sound source.
- Note that no sound is produced by the keyboard if LOCAL CONTROL is turned off and no external device is connected.



Example: When LOCAL CONTROL is on

SONG BANK 🕸 PIANO BANK 🍪

on Local

2 Use the [+] and [–] or [0] and [1] buttons to turn the setting on and off.

Example: To turn LOCAL CONTROL off

SONG BANK 🕸

off Local

ACCOMP OUT (Default: Off)

on: Auto Accompaniment is played by the keyboard and the corresponding message is output from the USB port.

oFF: Auto Accompaniment messages are not output from the USB port.

Press the FUNCTION button until the ACCOMP OUT screen appears.

Example: When ACCOMP OUT is off

SONG BANK 🕸 PIANO BANK 🇳 **₽FF** AcompOut

2 Use the [+] and [-] or [0] and [1] buttons to turn the setting on and off.

Example: To turn ACCOMP OUT on

SONG BANK



GM Mode Receive

When GM off is received and the mode switch is set to a chord mode, the Auto Accompaniment chord is specified in accordance with the received message.

When GM on is received, Auto Accompaniment chords cannot be specified by received messages.

SUSTAIN/ASSIGNABLE JACK (Default: SUS)

SUS(sustain): Specifies a sustain*1 effect when the pedal is depressed.

SoS (sostenuto): Specifies a sostenuto*2 effect when the pedal is depressed.

SFt (soft): Specifies reduction of the sound's volume when the pedal is depressed.

rHy (rhythm): Specifies START/STOP button operation when the pedal is depressed.

Press the FUNCTION button until the SUSTAIN/ ASSIGNABLE JACK screen appears.

Example: When sustain is currently set

SONG BANK �� PIANO BANK �� **5U5** Jack

Use the [+] and [-] or [0], [1], [2], and [3] buttons to change the setting.

Example: To select rhythm

SONG BANK 🕸 PIANO BANK 🍪 **rHY**Jack

*1 Sustain

With piano tones and other sounds that decay, the pedal acts as a damper pedal, with sounds being sustained longer when the pedal is depressed. With organ tones and other continuous sounds, notes played on the keyboard continue to sound until the pedal is released. In either case, the sustain effect is also applied to any notes that are played while the pedal is depressed.

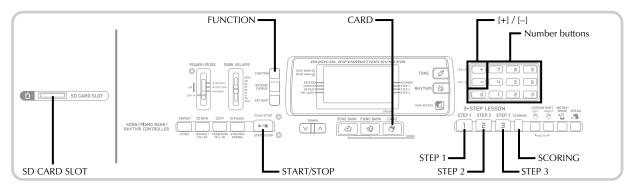
*2 Sostenuto

This effect performs the same way as sustain, except that it is applied only to notes that are sounding already when the pedal is depressed. It does not affect notes that are played after the pedal is depressed.

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Using a Memory Card



Your keyboard is equipped with a card slot that supports use of memory cards (commercially available SD memory card



or optional CASIO song data card*). This makes it possible for the keyboard to directly read commercially available SMF data, which has been saved to a memory card from your computer, for listening pleasure and lessons. Memory card data can be used the same way as built-in tunes.

- Supported Memory Cards:
 - SD memory cards, optional CASIO song data cards*
- Supported SD Cards:
 - $1\ \mbox{GB}$ or less (Cards with capacity greater than $1\ \mbox{GB}$ are not supported.)
- Maximum Number of Importable Songs: Up to 1,000
 - The actual number of songs that can be imported depends on the size of each file. The actual number will be less than 1,000 when individual song files are large.
- Supported Data:
 - SMF Format 0, CASIO Original Format CM2

IMPORTANT!_

 Use only an SD memory card or an optional CASIO song data card* with this keyboard. Proper operation is not guaranteed when any other type of card is used.

Memory Card and Card Slot Precautions

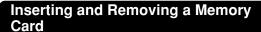
IMPORTANT!

- Be sure to carefully read all documentation that comes with the memory card for important information about how to handle it.
- SD memory cards have a write protect switch, which
 you can use to protect against accidental deletion of
 data. After saving important data to an SD memory card,
 be sure to use the write protect switch to protect the
 data against accidental changes or deletion.

- Avoid storing and using memory cards in the following types of locations. Such conditions can cause corruption of data stored on the card.
 - Areas subject to high temperatures, high humidity, or corrosive agents
 - Areas subject to strong electrostatic charge or electrical noise
- Whenever handling a memory card, make sure that you never touch its contacts with your fingers.
- If the data access lamp is lit and the message "Pls Wait"
 is on the display, it means that data on the memory card
 is being accessed by a save, read, or delete operation.
 Never remove the memory card from the card slot or
 turn off the keyboard while the card is being accessed.
 Doing so can corrupt the data on the memory card or
 even damage the card slot.
- Never try to insert anything that is not an SD memory card or optional CASIO song data card* into the Keyboard's memory card slot. Doing so can cause malfunction of the keyboard.
- Inserting a memory card that is charged with static electricity into the card slot can cause malfunction of the keyboard. If this happens, turn the keyboard off and then back on again.
- A memory card that has been in the card slot for a long time may feel hot when you remove it. This is normal and does not indicate malfunction.
- Note that a memory card has a limited service life. After long use, you may not be able to store data to, read data from, and/or delete data from a card. When this happens, you will need to purchase a new memory card.
- * May not be available in some geographic areas.

CASIO COMPUTER CO., LTD. assumes no responsibility for any loss or damage to you or any third party arising out of the loss or corruption of data.

E-38



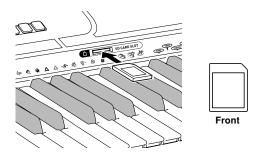
IMPORTANT!

- · Make sure you turn off the keyboard before inserting or removing a memory card.
- · Be sure to orient the card correctly when inserting it. Never try to force a memory card into the card slot when you feel resistance.
- · Never remove the memory card from the card slot or turn off the keyboard while card data is being accessed by a read or format operation. Doing so can corrupt the data on the memory card or even damage the card slot.

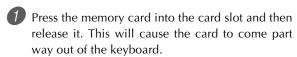
To insert a memory card into the card slot

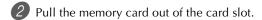


With the front side of the memory card facing upwards, carefully slide it into the card slot. Slide the card all the way in until you hear it click securely into place.



To remove a memory card from the card slot





Getting Ready

IMPORTANT! .

- · Before you can use an SD memory card with this keyboard, you need to perform the procedure below to format it. After formatting the card, transfer SMF data from your computer to the card.
- · Formatting an SD memory card with this keyboard automatically creates a folder named "MUSICDAT" on the card. When transferring SMF data from your computer to the card for use by the keyboard, be sure to store it in the "MUSICDAT" folder.
- Note that formatting a card that already contains data causes all of that data to be deleted. Data deleted by the format operation cannot be recovered. Before performing the procedure below, check to make sure that the media does not contain any data you might need.

PREPARATION _

· Insert the SD memory card you want to format into the keyboard's card slot. Make sure that the SD memory card's write protect is removed, which enables writing.

To format an SD memory card



Press the FUNCTION button a number of times until the card format setting screen appears.

Erd Format SONG BANK PIANO BANK



2 Press the [+] (YES) button.

• This will display a confirmation message asking whether you really want to format the media.



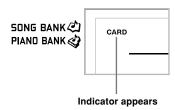
Press the [+] (YES) button to start formatting.

- The message "Pls Wait" will remain on the display to indicate that a procedure is being performed. Never try to perform any other operation on the keyboard while the card is being formatted. After formatting is complete, the keyboard returns to the mode you were in before you displayed the setting screen.
- To cancel the format operation, press the [-] (NO) button. This returns to the card format setting screen.
- If an error message appears on the display, see "Memory Card Error Messages" on page E-41. Pressing the FUNCTION button while an error message is on the display returns to the card format setting screen.

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Reading a Memory Card





- Use the number buttons to input the three-digit number that corresponds to the SMF data you want to select.
- Perform one of the following operations.

■ To play back SMF data

- -1 Press the START/STOP button.
 - The keyboard will read the SMF data and play it.

■ To use SMF data in a 3-Step Lesson

- -1 Press the STEP 1, STEP 2, or STEP 3 button.
 - The keyboard will read the SMF data and start a lesson at the step you selected.
 - An error message will appear if the selected SMF data file is larger than about 320 KB.
 - If an error message appears, see "Memory Card Error Messages" on the following page for information about what you need to do.
 - The channel specified as the navigate channel is assigned to the right-hand part, while the channel that is one less than the channel specified as the navigate channel is assigned to the left-hand part.
 - Voice Fingering Guide and on-screen fingering indicators, are not supported for SMF data.

■ To evaluate your play using SMF Data



- 3-1 Press the SCORING button.
 - The keyboard will read the SMF data and enter the Evaluation Mode.
 - An error message will appear if the selected SMF data file is larger than about 320 KB.
 - If an error message appears, see "Memory Card Error Messages" on the following page for information about what you need to do.
 - The channel specified as the navigate channel is assigned to the right-hand part, while the channel that is one less than the channel specified as the navigate channel is assigned to the left-hand part.
 - · On-screen fingering indicators are not supported for SMF data.



4 Press the START/STOP button to stop SMF data play.

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Memory Card Error Messages

Display Message	Cause	Action
Err No Card	There is no memory card loaded in the keyboard or the memory card you are using is not loaded correctly.	Load a memory card or correctly reinsert the memory card
Err No File	(1) The memory card song data that is supported by the keyboard is not in the MUSICDAT folder.(2) The memory card does not have a MUSICDAT folder.	(1) Move the files containing song data supported by the keyboard to the MUSICDAT folder. (2) Create a MUSICDAT folder and move the applicable files into the folder. Formatting the card will create a MUSICDAT folder automatically. ——————————————————————————————————
Err WrongDat	The data is damaged.	Take the necessary steps to replace the damaged data with normal data.
Err SizeOver	The file is too large to be played by this keyboard.	The maximum supported file size is 320 KB. Select a smaller file
Err Protect	The memory card is write-protected.	Remove write protection and re-format the cardpages E-38, 39
Err Format	(1) The memory card has a format that is not supported by this keyboard.(2) The memory card has a capacity that is not supported by this keyboard.(3) There is something wrong with the memory card.	(1) Use this keyboard to format the card
Err Not SMF0	There is no Format 0 SMF format file. This keyboard supports Format 0 SMF files only.	Use a Format 0 SMF format file page E-38
Err Card R/W	The memory card cannot be written to or formatted for some reason.	Use a different card.

663A-E-043A

Err Mem Full

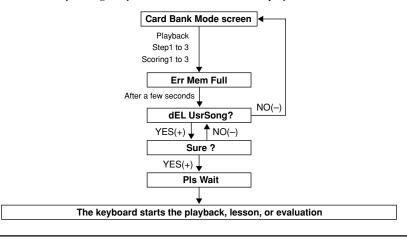
The keyboard ran out of memory for SMF data reading during a playback, lesson or use of the evaluation feature.

After a few seconds, the "Err Mem Full" message will be replaced by one of the messages described below.

<"dEL UsrSong?">

This message asks whether you want to delete the contents of Song Bank user area for storage of SMF data (10 songs) in order to make room for the SMF data you are trying to read. To clear this message and return to the Card Bank Mode screen, press the [–] (NO) button.

- 1) Press the [+] (YES) button if you want to delete Song Bank user area contents.
 - This causes a confirmation message to appear on the display.
 - If you want to cancel the delete operation, press the [–] (NO) button. This returns you to the confirmation message.
- 2) Press the [+] (YES) button to delete Song Bank user area contents.
 - After Song Bank user area contents are deleted, the keyboard automatically starts reading of the SMF data you originally selected, and then starts the playback, lesson, or evaluation.



E-42

Troubleshooting

Problem	Possible Cause	Action	See page
No keyboard sound	 (1) Power supply problem. (2) Power is not turned on. (3) Volume setting is too low. (4) The POWER/MODE switch is in the CASIO CHORD or FINGERED position. 	 (1) Correctly attach the AC adaptor, make sure that batteries poles (+/-) are facing correctly, and check to make sure that batteries are not dead. (2) Adjust the POWER/MODE switch to turn on power. (3) Use the MAIN VOLUME slider to increase volume. (4) Normal play is not possible on the accompaniment keyboard while the POWER/MODE switch is set to CASIO CHORD or FINGERED. Change the POWER/MODE switch setting to NORMAL. 	Page E-16 Page E-16 Page E-28
A (d (1))	(5) LOCAL CONTROL is off.	(5) Turn on LOCAL CONTROL.	Page E-37
Any of the following symptoms while using battery power. • Dim power supply indicator	Low battery power	Replace the batteries with a set of new ones or use the AC adaptor.	Pages E-12, 13
 Dim, difficult to read display Abnormally low speaker/head Distortion of sound output Occasional interruption of sour Sudden power failure when play Dimming of the display when play Continued sound output even at a totally different tone may sound Abnormal rhythm pattern and Abnormally low microphone v Distortion of microphone input Dim power supply indicator w Sudden power failure when us Dimming of keyboard lights with Loss of power, sound distortion 	ad when playing at high volumes bying at high volumes blaying at high volume after you release a key and demo tune play blume then a microphone is used ing the microphone	connected computer	
Auto Accompaniment does not sound.	Accompaniment volume is set to 000.	Use the FUNCTION button to increase the volume.	Page E-32
Key light stays on.	Keyboard is waiting for play of the correct note during Step 1 or Step 2 play.	 Press the lit key to continue with Step 1 or Step 2 play. Press the PLAY/STOP button to quit Step 1 or Step 2 play. 	Pages E-24, 25 Pages E-24, 25
Keys are lit though no sound is being produced.	Power on alert is reminding you that power was left on without any operation being performed.	Press any button or keyboard key to restore power to normal.	Page E-14
Cannot record chord accompaniment data on a computer.	ACCOMP OUT is turned off.	Turn on ACCOMP OUT.	Page E-37

663A-E-045A

Troubleshooting

Problem	Possible Cause	Action	See page
No microphone sound	(1) Microphone volume setting is too low.(2) Microphone on/off switch is set to off.	(1) Increase the microphone volume setting.(2) Change the microphone on/off switch setting to on.	Page E-17 Page E-17
Cannot recall data from a memory card.	 (1) The memory card is not inserted correctly into the card slot. (2) The memory card is damaged. (3) The data has not been copied to the memory card MUSICDAT folder. 	 (1) Correctly insert the memory card into the card slot. (2) Use a different memory card. (3) Insert a formatted memory card into the memory card slot of your computer, and copy the data you want to play back into the directory named "MUSICDAT". 	Page E-39
Song play momentarily cuts out at some points during SMF play.	Data is fragmented.	Perform either of the two following operations. • Without deleting the original (fragmented) data, perform a "save as" operation to save the data under a different name. Next, try performing the operation using the newly saved data. • If you saved the data to the card from another location, format the card (which will delete its contents), and then save the data to the card again. Next, try performing the operation using the newly saved data.	Page E-39
Auto accompaniment chords do not sound.	The keyboard is in the Song Bank mode.	Press the RHYTHM button to enter the rhythm mode, which is indicated by the rhythm indicator on the display.	Page E-27
After transferring song data from my computer, playback stops part way through.	Digital noise from the USB cable or power cord caused data communication between your computer and keyboard to be interrupted.	Stop playback, disconnect the USB cable from and then reconnect it to the keyboard's USB port, and then try playing back the tune again. If this does not correct the problem, exit the MIDI software you are using, and then disconnect the USB cable from and then reconnect it to the keyboard's USB port. Next, restart your MIDI software and try playback again.	Page E-35
A tone's quality and volume sounds slightly different depending where it is played on the keyboard.	malfunction. * Multiple digital samples are taken	e digital sampling process,* and does a n for the low range, middle range, and h decause of this, there may be a very slighteen sample ranges.	igh range of

E-44

Specifications

Model:	LK-200S
Keyboard:	61 standard-size keys, 5 octaves
Key Light System:	Can be turned on and off (up to 10 keys can be lit at the same time)
Tones:	264 (128 panel tones + 128 General MIDI tones + 8 drum sets)
Digital Effects:	Reverb (4 types), Chorus (4 types)
Polyphony:	32 notes maximum (16 for certain tones)
Auto Accompaniment Rhythm Patterns: Chords: Rhythm Controller: Accomp Volume:	120 2 fingering methods (CASIO CHORD, FINGERED) START/STOP, INTRO, NORMAL/FILL-IN, VARIATION/FILL-IN, SYNCHRO/ENDING 0 to 127 (128 steps)
3-step Lesson: Playback: Lesson Part: Evaluation Mode: Voice Fingering Guide:	3 lessons (Step 1, 2, 3) Repeat play of a single tune Left hand, right hand, both hands Scoring On/Off
Song Bank, Piano Bank Number of Tunes: Controllers:	100 (Song Bank: 65, Piano Bank: 35) PLAY/STOP, PAUSE, FF, REW, REPEAT
User Songs:	Number of Songs: Up to 10 download songs Capacity: Approximately 320 KB* * Calculated based on 1 KB = 1024 bytes.
Metronome: Beat Specification:	On/Off 0, 2 to 6
Other Functions Tempo: Transpose: Tuning:	Variable (226 steps, J = 30 to 255) 25 steps (−12 semitones to +12 semitones) 101 steps (A4 = approximatery 440Hz ±50Cents)
Card Supported Memory Cards: Supported SD Cards: Maximum Number of Importable Songs: Supported Data:	SD memory cards, optional CASIO song data cards* * May not be available in some geographic areas. 1 GB or less (Cards with capacity greater than 1 GB are not supported.) Up to 1,000 SMF Format 0, CASIO Original Format CM2
Terminals SUSTAIN/ASSIGNABLE JACK: PHONES/OUTPUT Jack: Microphone In:	Standard jack (sustain, sostenuto, soft, rhythm start/stop) Stereo standard jack Output Impedance: 78Ω Output Voltage: $4.5V$ (RMS) MAX Standard jack (with microphone volume knob) Input impedance: $2K\Omega$
USB port SD CARD SLOT	Input sensitivity: 10mV
Power Jack:	9V DC

663A-E-047A *E-45*

Specifications

Power Supply:	2-way
Batteries:	6 AA-size batteries
Battery Life:	Approximately 1 hour continuous operation on manganese batteries
AC Adaptor: Auto Power Off:	Approximately 4 hours continuous operation on alkaline batteries AD-5 Turns power off approximately 6 minutes after last key operation. Enabled under batter power only, can be disabled manually.
Speaker Output:	2.0W + 2.0W
Power Consumption:	9V 7.7W
Dimensions:	$94.5 \times 37.3 \times 13.5 \text{ cm} (37^{1}/_{4} \times 14^{11}/_{16} \times 5^{5}/_{16} \text{ inch})$
Weight:	Approximately 4.7kg (10.4 lbs)(without batteries)

[•] Design and specifications are subject to change without notice.



Care of your keyboard

Avoid heat, humidity or direct sunlight.

Do not overexpose the instrument to direct sunlight, or place it near an air conditioner, or in any extremely hot place.

Do not use lacquer, thinner or similar chemicals for cleaning.

Clean the keyboard with a soft cloth dampened in a weak solution of water and a neutral detergent. Soak the cloth in the solution and squeeze until it is almost dry.

Avoid use in areas subjected to temperature extremes.

Extremely high or low temperature can cause figures on the LCD screen to become dim and difficult to read. This condition should correct itself when the keyboard is brought back to normal temperature.

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

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Appendix/Apéndice

Lista de sonidos / Tabla de notas Tone List / Note Table

①: No./Nº **②**: Maximum Polyphony/Polifonía máxima

Ø: Tone Name/Nombre de sonidoØ: Program Change/Cambio de programa

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A-1 663A-E-097A



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255	GM GUNSHOT	۵	32	127	000
	DRUMS				
256	STANDARD SET	۵	32	000	120
257	ROOM SET	۵	35	800	120
258	POWER SET	۵	35	016	120
259	ELECTRONIC SET	۵	35	024	120
260	SYNTH SET	۵	35	025	120
261	JAZZ SET	۵	35	032	120
262	BRUSH SET	۵	35	040	120
263	ORCHESTRA SET	۵	32	048	120

VOTE_

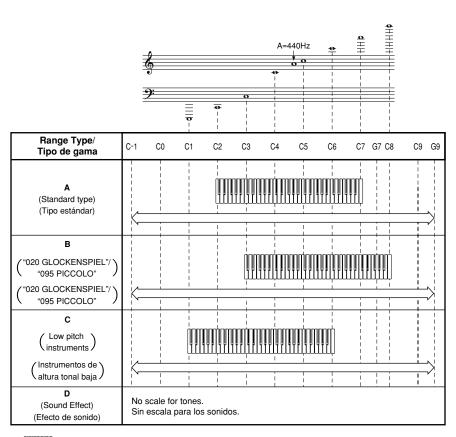
• The meaning of each range type is described below.

V + C 1 V

• El significado de cada tipo de gama se describe debajo.

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•	195	196	100	5 6	188	66	200	201	202	203	204	205	206	202	900	0 0	802	2 7	ų č	7 6	4 6	4 1 4	7 2	2 2	/ 2	מ ל	612	220	17.7	222	223	224	225	226	227	228	229	227	200	222	200	200	220	000	700	000	2,5	240	241	242	243	244	245	246	747	248	249	250	251	252
©	000	000	000	8 8	000	000	000	000	000	000	000	000	000			3 6	000	000	800	300	8 6	300	000	000	000	98	000	000	000	000	000	000	000	000	000	000	88	80		8 6	800			300	800	300	000	000	000	000	000	000	000	900	88	000	98	8 8	000	000
©	800	000	010	2 5	- 5	7 5	013	014	015	016	017	018	010	020	200	2 0	7 00	220	4 20	000	020	720	0 00	200	200	200	032	033	934	032	036	037	038	620	040	041	242	2 2	272	240	2 1 2	200	0 0	0 0	200	200	200	053	054	022	020	05/	820	600	200	90	7 000	200	064	990
9	32	8	9 4	2 8	2 5	S G	32	32	16	9	16	9	9 4	2 %	1 4	2 8	ָאָ נְ	2 6	2 6	y 6	2 6	y 6	y c	y S	y S	y 6	22.5	32.5	22.5	32	325	32	32	32	3 33	8 8	2 6	3 %	2 6	y S	2 6	9 %	9 %	2 6	2 6	2 6	y S	32.5	3, 35	9 8	22.0	22.0	22 63	N 4	<u>o</u> g	y S	N 4	<u>o</u> (22 63	32
0	4	ζ Δ	< ⊲	(<	۲.	∢ •	⋖	⋖	⋖	⋖	⋖	⋖	ζ Δ	< ⊲	< ⊲	(<	< <	< <	<	ζ <	(<	ξ <	<	< <	< <	< <	∢ •	∢ •	∢ •	∢ •	∢ •	⋖ •	∢.	∢ .	∢ •	< <	< <	ζ ⊲	(4	(<	(<	(4	(⊲	ζ <	ζ <	ζ <	< <	∢ •	∢ •	∢ •	∢ •	∢ •	< <	₹ <	< <	< <	< <	Σ <	< <	₹ <
0	GM CELESTA		GM MISIC BOX	CM MODIONE	Sin Viener	GIM IMAHIIMBA	GM XYLOPHONE	GM TUBULAR BELL	GM DULCIMER	GM ORGAN 1	GM ORGAN 2	GM OBGAN 3	GM PIPE OBGAN	GM BFFD OBGAN	GM ACCOBDION		GIM DAINONICA	GM NXI ON STED OF TAKE		GM 1477 GLITAB		GM MI THE CHANGE	GM MOLE GOLIAR	GIN OVERDATION OF	SOUNDING TO MO	GIM GI HARIMONICS	GM ACOUSTIC BASS	GM FINGERED BASS	GM PICKED BASS	GM FRETLESS BASS		GM SLAP BASS 2		GM SYN I H-BASS 2	GM VIOLIN	GM VIOLA	GM CONTRABASE	GM TREMOLO STRINGS	GM FIZZICATO	GM HABP		GM STRINGS 1	GM STBINGS 9	GM SVNTL STRINGS	CONIGE STINIS NO		GIM CHOIN AANS	GM VOICE DOO	GM SYNI H-VOICE	GM ORCHESTRA HII	GM I RUMPEI	GM I HOMBONE	GM IUBA		GM FRENCH HORN	GIM BHAUS	GM SYNTH-BRASS 1	GIM STIN I H-BHASS Z	GM SUPRANO SAX	GM TENOR SAX
0	136	37	8	3 6	S :	5 :	141	142	143	4	145	146	147	44	70	1 4	2 2	0 0	200	3 2	5 4	3 5	1 2	20	8 5	2 2	9	191	20 5	163	4 6	165	99	/91	88	9	3 5	2 - 2	7 2	2 2	7 7	176	12	1 / 1	100	0 0	5 6	18	8 8	8	8 1	82	2 8	8	8 8	800	3 5	5	28 2	194

A-2 663A-E-098A



а

......Keyboard rangeGama del teclado

b <

......Available range (using transpose or a message receive)

.......Gama disponible (usando la transposición o recepción de mensaje)

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Drum Assignment List / Lista de asignación de batería

key/Note number			רותווזפו י	Drumset 4	Drumset 3	Drumset 6	Drumset /	Drumset 8	
	_	ROOM SET	POWERSET	ELECTRONIC SET	SYNTH SET	JAZZ SET	BRUSH SET	ORCHESTRA SET	emes off soferibal " — "
E1 28	Slan	1 1	1 1	Į Į	1 1	<u>†</u> †	ı ı	Closed HI-Hat	
2	Scratch Push		J		. ↓	. ↓	. ↓	Open Hi-Hat	sound as SIANDARD
F1 29	Scratch Pull			ı ı	ı	ı	ı	Bide Cymhal 1	
G1 31	Sticks	1	1	ı	1	1	1	→	OFF.
AF1 32	Square Click		ļ	↓	1	Ţ	Ţ	ţ	
A1 33	Metronome Click		+	↓	1		1	+	
B/ 36	Metronome Bell		÷ 6	Į i		↓	÷	ļ.	NOTA
66 10	Standard Kick 2	Room Kick 2	Power Kick 2	Elec. Kick 2	2 -	Jazz Kick 2	Jazz Kick 2	Jazz Kick 1	
C2 36			TOWER NCA	TIEC. NICK	South Rim Shot	Jazz Nich I	Jazz NGA	Oulcell DD	• " ← " Indica el mismo
D2 38		Room Snare 1	Power Snare 1	Elec. Snare 1	Synth Share 1	Jazz Snare 1	Brush Snare 1	Concert SD	CAPUND STANDABD
E12 39					Hand Clap 2	1	Brush Slap	Castanets	
E2 40	Standard Snare 2	Room Snare 2			Synth Snare 2	Jazz Snare 2	Brush Snare 2	Concert SD	SET.
F2 41		m 2		Elec. Low Tom 2	Synth Low Tom 2	1	1	Timpani F	
F#2 42	_	+		→	Synth Closed HH 1	+	↓	Timpani F‡	
G2 43	_	-		Elec. Low Tom 1	Synth Low Tom 1	↓	↓	Timpani G	
A)2 44	_		1	1	Synth Closed HH 2	1	1	Timpani G‡	
A2 45	Mid Tom 2	om Mid Tom 2	Power Mid Tom 2		Synth Mid Tom 2	1	1	Timpani A	
B2 47 B2 46	Open Hi-Hat		↓ c	↓ i	Synth Open HH	<u>↓</u>	1	Timpani Af	
	High Tom 2	Room High Tom 2	Power Mich Tom 2	Elec. Mid Iom I	Synth Mid Iom I		ı	Impani b	
C3 48	Crash Cymhal 1		- Cowel Figil 101112		Synth Crash Cymbal		1 1	Timpani ot	
D3 50	High Tom 1	om High Tom 1	Power High Tom 1	Elec. High Tom 1	Synth High Tom 1	ı		Timpani d	
18 55	Ride Cymbal 1		→		Synth Ride Cymbal	1	1	Timpani df	
E3 52	Chinese Cymbal	+	↓	Reverse Cymbal		ļ	ţ	Timpani e	
F3 53	Ride Bell	+	→		+	↓	→	Timpani f	
F#3 54	Tambourine 1	1	1	ţ	Synth Tambourine	1	1	+	
G3 55	Splash Cymbal	1	1			1	↓	Į.	
AN 55	Cowbell	↓ .	Į.	↓	Synth Cowbell	<u></u>	1	÷	
A3 37 B12 58	Vibraslan		ı ı		ı	ı ı	ı ı	Collicelt Cyllibali ≥	
B3 59	Ride Cymbal 2	1	1	1	1	1	1	Concert Cymbal 1	
C4 60	High Bongo	↓	ļ	ļ	Synth High Bongo	<u></u>	↓	.	
C#4 61	Low Bongo	1	↓		Synth Low Bongo	ļ	.	1	
D4 62	Mute High Conga	ţ	ļ	↓	Synth Mute Hi Conga	1	ļ	ţ	
E4 64	Open High Conga		ı ı		Synth Open Hi Conga	1 1	1 1	Į Į	
	High Timbale			. ↓	oyılıı Opeli Low Coliga		.		
F4 65 5#4 66	Low Timbale						ı l		
	High Agogo	1	ļ	1	1	1	ļ	↓	
A4 68	Low Agogo	Ţ	1	Ţ	1	Ţ	Ţ	+	
	Cabasa	1	↓	↓	1	1	1	↓	
B4 71	Maracas	1	1	1	Synth Maracas	1	1	+	
	Long Low Whierla								
C#5 73	Short Guiro	. ↓	. ↓				. ↓	. ↓	
	Long Guiro	1	ļ	ļ	1	1	1	1	
B5 75	Claves	↓	+	↓	Synth Claves	1	↓	÷	
E5 76	High Wood Block	1	1	↓	Ţ	Ţ	Ţ	1	
F5 77	Muto Cuico	1 1	1	1	1	1 1	1 1	1	
G5 79		ı					ı l		
45 80	_	+	1	↓	↓	1	↓	+	
A5 81		1	ļ	1	1	1	.	1	
BF 92	Shaker	ţ	↓	↓	↓	Į.	ţ	ţ	
00 00	Jingle Bell	1 1	1	1	1 1	1 1	1 1	1	
C6 84	Castanate								
D6 86	Mute Surdo		ļ				. ↓	. ↓	
El6 87	Open Surdo	Ţ	1	1	1	1	ļ	↓	
E6 88	Applause 1	Ţ	ļ	1	Ţ	ļ	Ţ	1	
F6 89	Applause 2	ţ	1	↓	Ţ	Ţ	Ţ	↓	
26 94	Fantare	1 1	1 1	1	1 1	1 1	1 1	1	
AV6 92	One	ı ı	ı ı			ı ı	ı ı	ı ı	
A6 93	_	Ţ	1	↓	ļ	Į.	1	+	
B6 94	_	1	1	ı	1	1	1	1	
20 00	Four	↓	1	↓	1	1	↓ .	1	
C7 96	FIVE	Į.	↓ ↓	<u> </u>	1	Į.	ļ	Į.	

FINGERED Chord Chart

Cuadro de acordes digitados

This table shows the left-hand fingerings (including inverted forms) for a number of often-used chords. These fingering indications also appear on the keyboard's display.

Chords marked with asterisk (*) cannot be played in the Fingered Mode on this keyboard.

Esta tabla muestra las digitaciones (incluyendo las formas invertidas) para varios de los acordes más a menudo usados. Estas indicaciones de digitación también aparecen sobre la presentación del teclado.

En este teclado, los acordes marcados con asterisco (*) no pueden ejecutarse en el modo de digitación.

Chord	Σ	Ε	7	7m	dim7	M7	m7♭5	dim	Chord Type Root	ang	sus4	7 sus4	m add9	m M7	2₁2	add9
5. 3.		[5,3,1]	[5,3,2,1]	5, 3, 2, 1]	[5, 3, 2, 1]	[5,3,2,1]	[5, 3, 2, 1]	[5,3,2]	O	[5,3,1]	[5, 2, 1]	[5, 3, 2, 1]	[4, 3, 2, 1]	5, 3, 2, 1]	[5, 3, 2, 1]	[4, 3, 2, 1]
# G G	[5, 3, 1]	[5, 3, 1]	[5,3,2,1]	5, 3, 2, 1]	[5, 3, 2, 1]	[5,3,2,1]	[5, 3, 2, 1]	[5,3,2]	#5	[5,3,1]	[5, 2, 1]	[5,3,2,1]	[4, 3, 2, 1]	[5, 3, 2, 1]	[5, 3, 2, 1]	[4, 3, 2, 1]
10	[5.3.1]	[5,3,1]	[5,3,2,1]	5.3.2,1]	[5, 3, 2, 1]	[5,3,2,1]	[5, 3, 2, 1]	[5,3,2]	Δ	[5,3,1]	[5, 2, 1]	[5,3,2,1]	[4, 3, 2, 1]	5.3.2.1]	[5,3,2,1]	[4, 3, 2, 1]
5	[5, 3, 1]	[5,3,1]	[5,3,2,1]	[5, 3, 2, 1]	[5, 3, 2, 1]	[5,3,2,1]	[5, 3, 2, 1]	[5,3,2]	Е ^þ (D#)	[5, 3, 1]	[5, 2, 1]	[5, 3, 2, 1]	[4, 3, 2, 1]	[5, 3, 2, 1]	[5, 3, 2, 1]	[4, 3, 2, 1]
10.	[5, 3, 1]	[5,3,1]	[5,3,2,1]	[5, 3, 2, 1]	[5, 3, 2, 1]	[5,3,2,1]	[5,3,2,1]	[5,3,2]	Ш	[5,3,1]	[5, 2, 1]	[5,3,2,1]	[4, 3, 2, 1]	[5, 3, 2, 1]	[5,3,2,1]	[4, 3, 2, 1]
10	[5, 3, 1]	[5,3,1]	[5,3,2,1]	5.3.2,1]	[5, 3, 2, 1]	[5,3,2,1]	[5, 3, 2, 1]	[5,3,2]	ш	[5,3,1]	[5, 2, 1]	[5,3,2,1]	[4, 3, 2, 1]	5.3.2.1]	[5,3,2,1]	[4, 3, 2, 1]
=	[5, 3, 1]	[5,3,1]	[5, 3, 2, 1]	[5, 3, 2, 1]	[5, 3, 2, 1]	[5,3,2,1]	[5, 3, 2, 1]	[5,3,2]	F# (⊖♭)	[5,3,1]	[5, 2, 1]	[5, 3, 2, 1]	[4, 3, 2, 1]	[5,3,2,1]	[5,3,2,1]	4,3,2,1]
(5, 3	3,1]	[5,3,1]	[5,3,2,1] [5,3,2,1]	[5, 3, 2, 1]	[5,3,2,1]	[5,4,2,1]	[5,3,2,1]	[5,3,2]	Ó	[5,3,1]	[5, 2, 1]	[5, 3, 2, 1]	[4, 3, 2, 1]	[5,4,2,1]	[5,3,2,1]	4, 3, 2, 1]
	[5, 3, 1]	[5,3,1]	[5,4,2,1]	5, 4, 2, 1]	[5,3,2,1]	[5,4,2,1]	[5,4,2,1]	[5,3,2]	(# S)	[5,3,1]	[5, 2, 1]	[5, 4, 2, 1]	[4, 3, 2, 1]	[5,4,2,1]	[5,4,2,1]	(4,3,2,1)
	[5, 3, 1]	[5, 3, 1]	[5, 4, 2, 1]	[5, 4, 2, 1]	*	[5,4,2,1]	[5,4,2,1]	[5,3,2]	∢	[5,3,1]	[5, 2, 1]	[5, 4, 2, 1]	[4, 3, 2, 1]	[5,4,2,1]	[5,4,2,1]	4,3,2,1]
:: = =	[5, 3, 1]	[5,3,1]	[5,4,2,1]	[5, 4, 2, 1]	*	[5,4,2,1]	[5, 4, 2, 1]	[5,3,2]	В ⁶ (А#)	*	[5, 2, 1]	[5,4, 2, 1]	[4, 3, 2, 1]	[5,4,2,1]	[5, 4, 2, 1]	(4, 3, 2, 1)
. :: = ∃ .	2, 1]	[5, 2, 1]	[6.2.1] [6.2.1] [6.3.2.1] [6.3.2.1] [6.3.2.1]	[5, 3, 2, 1]	*	[5, 3, 2, 1]	[5, 4, 2, 1]	[5,3,2]	В	*	[5, 2, 1]	[5,3,2,1]	[5, 3, 2, 1]	[5, 3, 2, 1]	[4, 3, 2, 1]	[5, 3, 2, 1]

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Rhythm List/Lista de ritmos

POP	SI	ROC	KI		EUR	OPEAN	V	ARIOUS II
000	POP 1	030	POP ROCK 1	П	060	POLKA	09	90 FOLKLORE
001	WORLD POP	031	POP ROCK 2	П	061	POP POLKA	09	91 JIVE
002	8 BEAT POP	032	POP ROCK 3	П	062	MARCH 1	09	92 FAST GOSPEL
003	SOUL BALLAD 1	033	FOLKIE POP	П	063	MARCH 2	09	93 SLOW GOSPEL
004	POP SHUFFLE 1	034	POP SHUFFLE 2	П	064	WALTZ 1	09	94 SIRTAKI
005	8 BEAT DANCE	035	ROCK BALLAD	П	065	SLOW WALTZ	09	95 HAWAIIAN
006	POP BALLAD 1	036	SOFT ROCK	П	066	VIENNESE WALTZ	09	96 ADANI
007	POP BALLAD 2	037	ROCK 1	П	067	FRENCH WALTZ	09	97 BALADI
008	BALLAD	038	ROCK 2	П	068	SERENADE	09	98 ENKA
009	FUSION SHUFFLE	039	HEAVY METAL	П	069	TANGO	09	99 STR QUARTET
POP	S II	ROC	K II	1 [LATI	N I	F	OR PIANO I
010	SOUL BALLAD 2	040	60'S SOUL	1 [070	BOSSA NOVA 1	10	00 PIANO BALLAD 1
011	16 BEAT 1	041	60'S ROCK	П	071	BOSSA NOVA 2	10	01 PIANO BALLAD 2
012	16 BEAT 2	042	SLOW ROCK	П	072	SAMBA 1	10	D2 PIANO BALLAD 3
013	8 BEAT 1	043	SHUFFLE ROCK	П	073	SAMBA 2	10	03 EP BALLAD 1
014	8 BEAT 2	044	50'S ROCK	П	074	MAMBO	10	04 EP BALLAD 2
015	8 BEAT 3	045	BLUES	П	075	RHUMBA	10	05 BLUES BALLAD
016	DANCE POP 1	046	NEW ORLNS R&R	П	076	CHA-CHA-CHA	10	06 MELLOW JAZZ
017	POP FUSION	047	TWIST	П	077	MERENGUE	10	07 JAZZ COMBO 2
018	POP 2	048	R&B	П	078	BOLERO	10	08 RAGTIME
019	POP WALTZ	049	ROCK WALTZ	П	079	SALSA	10	09 BOOGIE-WOOGIE
DAN	ICE/FUNK	JAZZ	Z		LATI	N II/VARIOUS I	F	OR PIANO II
020	DANCE	050	BIG BAND 1	П	080	REGGAE	11	10 ARPEGGIO 1
021	DISCO 1	051	BIG BAND 2	П	081	PUNTA	11	1 ARPEGGIO 2
022	DISCO 2	052	BIG BAND 3	П	082	CUMBIA	11	12 ARPEGGIO 3
023	EURO BEAT	053	SWING	П	083	PASODOBLE	11	13 PIANO BALLAD 4
024	DANCE POP 2	054	SLOW SWING	П	084	SKA	11	14 6/8 MARCH
025	GROOVE SOUL	055	FOX TROT	Ιſ	085	BLUEGRASS	11	15 MARCH 3
026	TECHNO	056	JAZZ COMBO 1	Ш	086	DIXIE	11	l6 2 BEAT
027	TRANCE	057	JAZZ VOICE	H	087	TEX-MEX	11	7 WALTZ 2
028	HIP-HOP	058	ACID JAZZ		088	COUNTRY 1	11	18 WALTZ 3
029	FUNK	059	JAZZ WALTZ		089	COUNTRY 2	11	19 WALTZ 4

NOTE

Rhythms 110 through 119 consist of chord accompaniments only, without any drums or other percussion instruments. These
rhythms do not sound unless CASIO CHORD or FINGERED is selected as the accompaniment mode. With such rhythms,
make sure that CASIO CHORD or FINGERED is selected before you try playing chords.

NOTA

 Los ritmos 110 al 119 consisten solamente de acompañamientos de acordes, sin ninguna batería ni otros instrumentos de percusión. Estos ritmos no suenan a menos que CASIO CHORD o FINGERED sean seleccionados como el modo de acompañamiento. Con tales ritmos, asegúrese de que se selecciona CASIO CHORD o FINGERED, antes de tratar de ejecutar los acordes.

A-6

Song List/Lista de canciones

SONG BANK

Lista SONG BANK

00	_	33 HOME SWEET HOME	ETUDES
	("LION KING"THEME)		00 MINUET (J.S.BACH)
01	HARD TO SAY I'M SORRY	_	01 GAVOTTE (GOSSEC)
02	SEPTEMBER	36 AMERICA THE BEAUTIFUL	02 CHOPSTICKS
03	WE WISH YOU A MERRY CHRISTMAS	37 DOWN IN THE VALLEY	03 AVE MARIA (GOUNO)
04	JINGLE BELLS	38 I'VE BEEN WORKING ON THE RAILROAD	
02	SILENT NIGHT	39 LITTLE BROWN JUG	1
90	JOY TO THE WORLD	40 AURALEE	
02	O CHRISTMAS TREE	41 OH! SUSANNA	07 ODE TO IOY
80	WHEN THE SAINTS GO MARCHING IN	42 HOUSE OF THE RISING SUN	08 SERENADE FROM "EIN
60	BEAUTIFUL DREAMER	43 SHE WORE A YELLOW RIBBON	
10	GREENSLEEVES	44 WHEN JOHNNY COMES MARCHING HOME	CONCERT PIECES
11	SWING LOW, SWEET CHARIOT	45 CAMPTOWN RACES	10 prine pri 1925
12	JOSHUA FOUGHT THE BATTLE OF JERICHO	46 SWANEE RIVER (OLD FOLKS AT HOME)	
13	AMAZING GRACE	47 JEANNIE WITH THE LIGHT BROWN HAIR	12 THE ENTERTAINER
14	AULD LANG SYNE	48 YANKEE DOODLE	
15	TWINKLE TWINKLE LITTLE STAR	49 RED RIVER VALLEY	
16		50 TURKEY IN THE STRAW	16 ETITIDE 02 10 20 2 "CH
17	UNDER THE SPREADING CHESTNUT TREE	51 MY OLD KENTUCKY HOME	15 EIUDE OP.IU no.3 CH
18	_		
19	THE MUFFIN MAN	53 JAMAICA FAREWELL	18 TP XI IMEDET
20	LONG LONG AGO	54 ALOHA OE	-
21	DID YOU EVER SEE A LASSIE?	55 SAKURA SAKURA	
22		56 SANTA LUCIA	
23	THE FARMER IN THE DELL	57 WALTZING MATILDA	
24	ON THE BRIDGE OF AVIGNON	58 AIR FROM "SUITE no.3"	ZI LE CIGINE FINOM LE
25	SIPPIN' CIDER THROUGH A STRAW	59 SPRING FROM "THE FOUR SEASONS"	
26	GRANDFATHER'S CLOCK	60 BRIDAL MARCH FROM "LOHENGRIN"	22 CHAINSOIN DO TONE
27	MICHAEL ROW THE BOAT ASHORE	61 TRIUMPHAL MARCH FROM "AIDA"	
28		62 HABANERA FROM "CARMEN"	24 WEDDING MARCH FR
29	ANNIE LAURIE	63 BRINDISI FROM "LA TRAVIATA"	35 AMEDICANI DATEOI
30	MY BONNIE	64 MARCH FROM "THE NUTCRACKER"	
31	IF YOU'RE HAPPY AND YOU KNOW IT, CLAP		
	YOUR HANDS	65~74 Loaded songs (user songs)/	
32	MY DARLING CLEMENTINE	Canciones cargadas (canciones del usuario)	

PIANO BANK List

	ETUDES
00	MINUET (J.S.BACH)
01	GAVOTTE (GOSSEC)
02	CHOPSTICKS
03	AVE MARIA (GOUNOD)
04	JESUS BLEIBET MEINE FREUDE
02	CANON (PACHELBEL)
90	PIANO SONATA op.13 "PATHÉTIQUE" 2nd Mov.
02	ODE TO JOY
08	SERENADE FROM "EINE KLEINE NACHTMUSIK"
60	GOING HOME FROM "FROM THE NEW WORLD"
	CONCERT PIECES
10	FÜR ELISE
11	TURKISH MARCH (MOZART)
12	THE ENTERTAINER
13	MAPLE LEAF RAG
14	GYMNOPÉDIES no.1
12	ETUDE op.10 no.3 "CHANSON DE L'ADIEU"
16	PIANO SONATA op.27 no.2 "MOONLIGHT" 1st Mov.
17	HUNGARIAN DANCES no.5
18	TRAUMEREI
19	HUMORESKE (DVORÁK)
20	PROMENADE FROM "TABLEAUX D'UNE
5	TECTORIE EBOM "TE CARMANAT DES
71	LE CIGINE FROM LE CARNAVAL DES
22	CHANSON DU TOREADOR FROM "CARMEN"
23	LARGO (HÄNDEL)
24	WEDDING MARCH FROM "MIDSUMMER
	NIGHT'S DREAM"
25	AMERICAN PATROL
26	CSIKOS POST
27	DOLLY'S DREAMING AND AWAKENING
28	LA CHEVALERESQUE
53	PIANO SONATA K.545 1st Mov.
30	LA PRIÈRE D'UNE VIERGE
31	NOCTURNE op.9 no.2 (CHOPIN)
32	MARCHE MILITAIRE no.1
33	BLUMENLIED
34	GRANDE VALSE BRILLANTE op.18 no.1

Nodel LK-200S

MIDI messages that can be sent and received using the USB port Los mensajes MIDI pueden enviarse y recibirse usando el puerto USB

Basic Default Channel Changed Mode Messages Altered Number True voice Velocity Note ON Note OFF After Key's Touch Ch's	1 1-16		
. »		1-16	
ح يا	Mode 3 X X ******************************	Mode 3 X ***********************************	
>	************ 96-9E	0-127 12-108*1	*1: See Tone List on page A-1. *1: Vea la lista de sonidos en la página A-1.
	X 9nH V = 98 X 8nH V = 64	O 9nH V = 1-127 X 9nH V = 0,8nH V = XX	XX: no relation XX: sin relación
	××	× 0 *0	
Pitch Bender	×	0	
0, 32 1 6, 38 Control 7 7 Change 10 11	0××××*********************************	0,000000	Bank select Modulation Data entry Volume Pan Expression Hold1 Sostenuto

	67 91 100, 101 120 121		000000	Soft pedal Reverb send Chorus send RPN LSB, MSB All sound off Reset all controller
Program Change	:True #	O 0-127 *********	O 0-127 **********	
System Exclusive	Isive	0*5	0*5*6	
System Common	: Song Pos : Song Sel : Tune	×××	×××	
System Real Time	: Clock : Commands	00	××	
Aux Messages	: Local ON/OFF : All notes OFF : Active Sense : Reset	× 0 × ×	×00×	
Remarks		** Modulation and after touch for each channel are the same effect. **Le modulation y después del toque para cada canal tienen el mismo efecto. **Te INDE, COARSE TUNE receive, and PITCH BEND SENSE. RPIN Null receive. **SENSE. RPIE TUNE recepción COARSE TUNE, y PITCH BEND SENSE. recepción RPN ** In accordance with sustain/assignable jack setting ** La acuerdo con el ajuste de la toma asignable judy setting ** - Reverb Type [PO] [7F] [7F] [101] [00] [VI] [77] [V*-800: Room1, 01: Room2, 04: Hali1, 03: Hali2		Chorus Type [F0] [7F1 [04] [05] [01] [01] [01] [01] [02] [00] [VI] [F1] [Va-00: Chorust, 01: Choruss, 02: Chorusa, 03: Chorus, 04: Choruse, 02: Chorusa, 03: Choruse, 04: Choruse, 03: Choruse, 03: Choruse, 03: Choruse, 04: Choruse, 03:

Mode 1 : OMNI ON, POLY Mode 2 : OMNI OFF, POLY Mode 3 : OMNI OFF, POLY

O:Yes X:No



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