SA-75

USER'S GUIDE

CASIO®

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

Be sure to read this User's Guide and keep it on hand for future reference. Parents or guardians should make sure that young children using this instrument are familiar with the contents of this User's Guide.

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.

Important Information for Parents!
Parents should please note the following important information before letting children use this product.
• Before using the optional AD-1 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 batteries of different types.
• Never mix old batteries with new ones.
• Use only the batteries recommended in this manual or equivalent batteries.
• Always make sure that positive (+) and negative (–) poles are facing correctly as indicated near the battery compartment.
• Remove batteries as soon as they show any sign of going dead.
• Do not short-circuit the battery terminals.
• The product is not intended for children under 3 years.
• Use only CASIO AD-1 adaptor.
• The AC adaptor is not a toy.
• Be sure to disconnect the AC adaptor before cleaning the product.

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

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

This recycle mark indicates that the packaging conforms to the environmental protection legislation in Germany.
Esta marca de reciclaje indica que el empaquetado se ajusta a la legislación de protección ambiental en Alemania.

CASIO COMPUTER CO.,LTD.
6-2, Hon-machi 1-chome
Shibuya-ku, Tokyo 151-8543, Japan

Low Batteries

Any of the symptoms listed below can indicate that battery power is too low. Replace batteries as soon as possible whenever you experience any of the following.
• Dim power indicator
• Low sound volume
• Distorted sound
• Loss of output when playing at loud volume
• Sudden power loss when playing at loud volume
• Sudden output of sound when no keyboard key is pressed
• Output of a tone different from the one that is selected
• Incorrect play of patterns or built-in tones
• Sudden loss of sound output
• Dim display figures
• Dimming of display figures when playing at loud volume

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 near a TV or radio.
This instrument can cause video or audio interference with TV and radio reception. If this happens, move the instrument away from the TV or radio.

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.

NOTE
• 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.

Power Supply

The two-way power supply of this keyboard lets you use either batteries or household AC power. Always be sure to turn off power whenever you are not using the keyboard.

Battery Power
Be sure to turn keyboard power off before loading batteries.

Battery Replacement

1. Remove the battery compartment cover by sliding it in the direction of the arrow indicated in the figure.

2. Load 5 AA-size batteries into the battery compartment.
• Make sure that the positive (+) and negative (–) ends are facing correctly.

3. Replace the battery compartment cover by sliding it.
• Loading batteries while power is turned on will cause the keyboard to malfunction. If this happens, turn power off and then back on again.
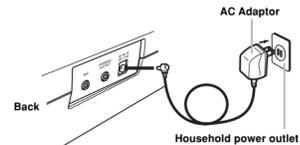
Battery Life
Approximately six hours with R6P (SUM-3) manganese batteries (normal temperature and optimum volume setting). Note that battery life can be shortened by playing at high volume or by very cold temperatures.

⚠ DANGER
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.

⚠ CAUTION
Misuse of batteries can cause them to burst and leak fluid, creating the danger of personal injury, or damage to or discoloration of clothing, furniture, etc. Be sure to note the following important precautions whenever handling batteries.
• Make sure that the (+) and (–) ends of the batteries are facing as indicated by the markings on the keyboard.
• Be sure to remove batteries from the keyboard whenever you do not plan to use it for a long time, such as before going on a trip, etc.
• Never mix batteries of different types.
• Never mix old batteries with new ones.
• Never dispose of batteries by burning them. Never allow the (+) and (–) ends of batteries to become connected to each other, do not try to take batteries apart, and do not expose batteries to heat.
• Remove batteries from the keyboard immediately after they show signs of losing power.
• Never recharge batteries.

Features

❑ 100 built-in tones
❑ 30 built-in rhythm patterns
❑ 10 built-in Song Bank tunes
❑ Connecting the accompanying headset mike to the MIC jack on the back of the keyboard makes it possible for you to sing along with built-in tunes.
❑ Play along with Song Bank tune accompaniments
❑ Tempo and beat display indicators, plus staff notation of notes played

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AC Power

Use only the AC adaptor model specified for this keyboard.

AC Adaptor Model: AD-1

Back   AC Adaptor

Household power outlet

⚠ WARNING
• Take care to avoid damage to the power cord. Never place heavy objects on the cord and keep it away from heat. A damaged power cord creates the danger of fire and electrical shock.
• Use only the AC adaptor model specified for this keyboard. Use of any other AC adaptor model creates the danger of fire and electrical shock.

⚠ CAUTION
• Always unplug the AC adaptor from the power outlet if you do not plan to use the keyboard for a long time, such as when leaving on a trip, etc.
• When not using the keyboard, turn off power and unplug the AC adaptor from the power outlet.
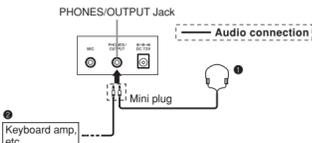
IMPORTANT!
• Be sure that keyboard power is turned off before connecting or disconnecting the AC adaptor to it.
• The AC adaptor may become warm to the touch after long-term use. This is normal and does not indicate malfunction.

Connections

Using the Phones/Output Jack
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.
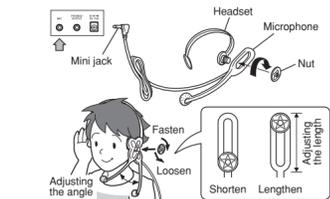
[Rear Panel]

PHONES/OUTPUT Jack
•······ Audio connection
Mini plug
Keyboard amp. etc.

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

Musical Instrument Amplifier (Figure ❷)
Use a commercially available connecting cord to connect the keyboard to a musical instrument amplifier.

Using the Headset Mike
Connecting the accompanying headset mike to the MIC jack on the back of the keyboard makes it possible for you to sing along with built-in tunes.

<Parts>
Headset
Microphone
Mini jack   Nut

To assemble the headset mike

1. Install the microphone onto the headset as shown in the illustration.

2. After adjusting the length and angle of the microphone so that it is positioned in front of your mouth, secure it in place with the nut.

To use the headset mike

1. Plug the connector of the mike into the MIC jack.

NOTE
• The volume level setting of the microphone is fixed. Adjusting overall volume using the VOLUME buttons does not affect the microphone volume level.

Fasten
Loosen
Shorten Lengthen
Adjusting the angle
Adjusting the length

IMPORTANT!
• If the microphone gets too close to the speaker, you may experience a howling noise called "feedback". When this happens, move the microphone away from the speaker.

General Guide

1. POWER Switch
Turn on power.
ON: Turns power on.
OFF: Turns power off.

2. VOLUME Buttons
Adjust the volume.
△: Raises volume.
▽: Lowers volume.

3. Tone List
Find the tone you want to use.

[Back Panel] DC 7.5V jack
MIC PHONES/OUTPUT DC 7.5V

[Side Panel]
Attach the optional shoulder strap here. For details, see the instructions that come with the shoulder strap.

Power indicator

Speaker
START/STOP button
MELODY OFF button
TEMPO buttons
SONG BANK button
PATTERN button
Speaker
Pattern list
Display
SONG BANK list

6. Play on the keyboard.
The notes you play appear in the staff notation on the display.

5. Use the number buttons to input the two-digit tone number.
The above display shows "23 FLUTE" is selected.

4. Press the TONE Button.

NOTE
• The tone "00 PIANO" is always selected whenever you turn on power.
• The tone can be set to a value from 1 to 5. The volume level is always set to 5 whenever you turn on power.
• Whenever you first press either the △ or ▽ VOLUME button the current setting value appears on the display. Press one of the buttons while the current setting is displayed to actually change the volume setting.

Tones
Some tones actually assign two or more different sounds to the keyboard. The sound produced when you press a key depends on where the key is located, as illustrated below.

72 INSECT   Low Range   High Range
76 TELEPHONE   TELEPHONE 1   TELEPHONE 2
96 BASS/PIANO   BASS   PIANO

93 TOM   Very Low Low High Very High
91 CONGA/A GO GO   Conga (Low) Conga (High) A Go Go (Low) A Go Go (High)
94 ROCK DRUM   Bass Drum Snare Drum Hi Hat Cymbal
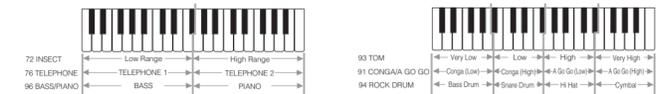
Polyphony
This keyboard can play up to four notes at the same time when there is no pattern or Song Bank tune being played. Even if you press more than four keys, only four notes will sound at the same time.

Digitally Sampled Tones
This keyboard features a number of digitally sampled tones, which are digital recordings of musical instruments. Actually, three recordings are made for each tone, covering the low range, middle range, and high range.
• The point where the key to the left falls in one range and the key to the right falls in a different range is called a "split point." With some tones, you may notice a very slight difference in tone quality or volume between the two keys at a split point. This is an unavoidable result of the sampling process, and does not indicate malfunction of the keyboard.
• The sounds of some tones do not change pitch no matter which keyboard key you press.

Display Indicators

Black key indicator
Shows "♯" for sharps and "♭" for flats.
C♯ E♭ F♯ A♯ B♭

Note Indicator
Appears when a pattern or Song Bank tune is playing. Notes change to indicate a change in measure.

Metronome
Moves left and right in time with Pattern and Song Bank tune play.

Staff Notation
Shows the pitch of sounds you play on the keyboard.
See "Staff Notation Notes" below for details about this part of the display.

VOLUME
TEMPO
TONE
PATTERN
SONG BANK

Beat Indicator
During Pattern and Song Bank tune play, "○" marks indicate the number of beats per measure. Each mark turns black as the beat is counted.

Show volume, tempo, tone, Pattern, and Song Bank tune numbers and letters.

MELODY OFF

Pointer
Points to the function being performed: volume, tempo, tone, Pattern, Song Bank.

Indicates the MELODY OFF button on/off status.

Staff Notation Notes
How notes appear on the display depends on how many keys you press when playing on the keyboard, and whether the MELODY OFF button is on or off when playing a Song Bank tune.

• **Pressing One Key**
When you press one keyboard key, the note you play appears in the staff notation.

• **Pressing Two or More Keys**

Keys pressed	Maximum Number of Notes Displayed	Sequence
White keys only	4	All notes appear when played.
Including one or more black keys	4	One-by-one starting from lowest note and progressing to highest note.

• **Song Bank Play**
Melody notes appear on the display as Song Bank tunes play. Even when the melody is turned on or off using the MELODY OFF button, the length of each melody note is indicated.

Playing Patterns

This keyboard features a total of 30 built-in patterns. There are 10 patterns each under three categories: RHYTHM, FREE SESSION, FUNNY.

RHYTHM: Percussion instrument rhythm patterns
FREE SESSION: Automatic chord progressions to match rhythms
FUNNY: Unique sound effects

1. Find the pattern you want to use in the **Pattern List**.

2. Press the **PATTERN** button.

3. Use the **number buttons** to input the two-digit pattern number.

The above display shows "03 ROCK" is selected.

4. Press the **START/STOP** button to start play of the pattern.

Four circles indicate four beats to a measure
Indicates beat 3

5. Use the **TEMPO** buttons to adjust the tempo.
△ : Faster
▽ : Slower

6. Press the **START/STOP** button to stop play.

NOTE
• The tone "00 16BEAT" is always selected whenever you turn on power.
• Input of any value greater than 29 is ignored.
• You can change to a different pattern while a previously selected pattern is playing.

Tempo Settings
• Whenever you first press either the △ or ▽ TEMPO button the current setting value appears on the display. Press one of the TEMPO buttons while the current setting is displayed to actually change the tempo setting.
• Each press of a TEMPO button changes the setting one step within the range of 1 (♩ = 40) to 16 (♩ = 249).
• The tempo is always set to 8 (♩ = 132) whenever you turn on power.

Using the Song Bank

You can enjoy simply listening to the 10 built-in Song Bank tunes or you can turn off the melody part and play along on the keyboard.
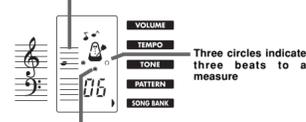
To listen to a Song Bank tune

1. Find the tune you want to listen to in the **Song Bank list**.

2. Press the **SONG BANK** button.

3. Use the **number buttons** to input the two-digit tune number.

The above display shows "06 SILENT NIGHT" is selected.

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4. Press the START/STOP button to start play of the tune.
→The tune continues to repeat until you stop it.

Staff notation (shows melody notes)
VOLUME
TEMPO
TONE
PATTERN
SONG BANK

Three circles indicate three beats to a measure
Indicates beat 2

5. Press the START/STOP button to stop play.

Changing the Melody Tone of a Song Bank Tune
• You can change the melody tone of a Song Bank tune after you start playing it (in step 4 of the above procedure). To do so, press the TONE button and then use the number buttons to input the two-digit number for the tone you want to change to.

To play along with a Song Bank tune

1. Perform steps 1 through 3 under "To listen to a Song Bank tune" to select the tune you want.

2. Press the **MELODY OFF** button.

3. Press the **START/STOP** button.
→The keyboard will play an introductory count and then start play the accompaniment part of the tune. The tune continues to repeat until you stop it.

The staff notation shows melody notes.

4. Press the **START/STOP** button to stop play.

NOTE
• Notes you play on the keyboard along with Song Bank tune accompaniment do not appear on the display.
• The MELODY OFF button is operational only while Song Bank tune play is stopped.
• Pressing the MELODY OFF button while the "♬" (all) indicator is on the display turns off the melody part for all the Song Bank tunes.
• See "Staff Notation Notes" in the General Guide for details on how melody notes appear on the display after you start play in step 3.

Changing the Melody Tone of a Song Bank Tune
You can change the melody tone of a Song Bank tune after you start playing it (in step 2 of the above procedure).

About the pre-tune count
• Note that the pre-tune count sounds only when the MELODY OFF button is on (melody part is turned off).
• An audible count sounds for a number of beats before a Song Bank tune starts to play.
• The final beat of the count (the last beat before the tune starts to play) is a higher pitch than the other beats. It is indicated in the following example by "△".
• The lengths of the pre-tune counts are also indicated in the musical scores that come with this keyboard.
Example: △▾▾ ····· Indicates a 3-beat count.

NOTE
• Inputting a single digit number (from 1 to 9) in step 3 of the above procedure causes all of the Song Bank tunes to play back in sequence. The indicator "♬L" (all) appears on the display to indicate that all tunes will be played.
• All Song Bank tune play "♬L" is the default whenever you turn on keyboard power.
• Only values in the range of 00 to 09 can be input.
• With the above procedure, playing along on the keyboard does not produce any sound.
• You can change to a different Song Bank tune while a previously selected tune is playing.
• See "Staff Notation Notes" in the General Guide for details on how melody notes appear on the display after you start play in step 4.

Troubleshooting

Problem	Possible Cause	Action
No sound	1. Power supply problem	1. Check the following points. • Make sure the (+) and (–) ends of batteries are facing correctly. • Check for dead batteries. • Make sure the AC adaptor is connected correctly.
	2. Headphones connected to the keyboard.	2. Disconnect the headphones from the keyboard.
Any of the following symptoms while batteries are being used.	Dead batteries	Replace batteries with new ones or change to AC power.
• Dim power indicator • Low sound volume • Distorted sound • Loss of output when playing at loud volume • Sudden power loss when playing at loud volume • Sudden output of sound when no keyboard key is pressed • Output of a tone different from the one that is selected • Incorrect play of patterns or built-in tunes • Sudden loss of sound output • Dim display figures • Dimming of display figures when playing at loud volume		
Staff notation notes appear one-by-one when keyboard keys are pressed simultaneously	Simultaneous play of white and black keys	No action necessary

Specifications

Keyboard: 37 keys, 3 octaves (mini-size)
Polyphony: 4 notes maximum
Tones: 100
Patterns: 30 (RHYTHM, FREE SESSION, FUNNY)
Song Bank: 10 tunes; melody off
Tuning: Fixed; A4 = approx. 442Hz
Speakers: Two; ø8.0cm (output: 1.2W + 1.2W)

I/O Terminals:
• Power Supply: DC 7.5V jack
• Headphones/Output:
Stereo mini jack (Output is monaural.)
(output impedance: 100Ω,
output voltage: 4.6V (RMS) MAX)
• Microphone In:
Mini jack (Input is monaural.)
Input impedance: 1.0kΩ

Power Supply: Two-way
• Five AA-size batteries
Battery Life: Approximately six hours of batteries are facing correctly.
R6P (SUM-3) manganese batteries
• AC Adaptor (AD-1)
Power Consumption: 7.5V ⎓ 2.5W
Dimensions: 65.0(W) x 21.1(D) x 7.8(H) cm
(25³/₈ x 8³/₁₆ x 3¹/₁₆ inch)
Weight: Approximately 1.4kg (3.1lbs) (without batteries)

• Design and specifications are subject to change without notice.