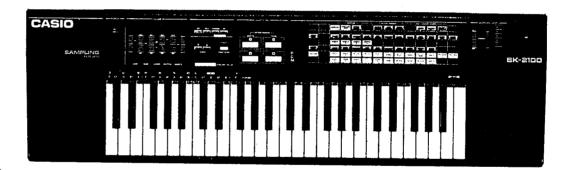
0/4/5/0

CASIOSK-2100

也是2015年3月1日,在**日本海洋中国国际高级的政府的**中国国际市场。15



OPERATION MANUAL MANUAL DE OPERACION

41

INTRODUCTION

Thank you and congratulations on your purchase of the Casio SK-2100 Sampling Keyboard. Your new keyboard features exciting features and functions such as sampling, rhythm, bass and chord programming, as well as keyboard split, chord progression memory and multichannel memory. What's more, it has 2 built-in monitor speakers, so there's no need to connect it to an amp or stereo!

To obtain optimum performance and assure long-term reliability, be sure to read this manual carefully before using this sampling keyboard.

MAIN FEATURES OF THE SK-2100

SAMPLING

The SK-2100 features a sampling function, which allows you to "capture" virtually any audible sound and incorporate it in your music. Sounds are "sampled" via a detachable built-in microphone, and are played back via sampling pads. They can also be triggered via keys on the keyboard, at corresponding pitches, and can even be used to create polyphonic chords! What's more sampled sounds can be patched through LOOP and REVERSE effects, or incorporated into rhythm patterns.

MULTI-CHANNEL MEMORY The SK-2100's MULTI-CHANNEL MEMORY function allows you to create entire songs, including melody and backing chord patterns. These are held in memory along with the selected rhythm pattern. Two different melodies may be played to memory — MELODY 1 and MELODY 2. These can be up to 2024 or 1024 steps in length, respectively, and up to 159 chord changes may be programmed as well.

PATTERN MEMORY

The PATTERN MEMORY function allows programing of two 2-bar patterns and two 1-bar fill-ins, including bass, rhythm, chord and sampling sounds. Create your own accompaniment patterns and play along! In addition, you can change the basic rhythm of your original patterns by selecting any of the Auto-Rhythms.

CONTENTS

FEATURES & FUNCTIONS

BASIC CONNECTIONS

POWER SUPPLY

PART 1: BASIC OPERATIONS

HOW TO MAKE MUSIC ON THE SK A) PRESET TONES

- B) AUTO-RHYTHM FUNCTION......
- C) KEYBOARD SPLIT FUNCTION ...
- D) AUTO-ACCOMPANIMENT (CASIO CHORD FUNCTION).....

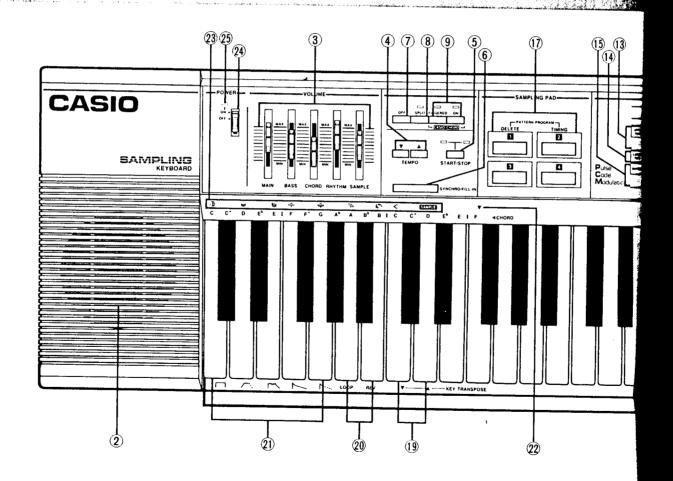
PART 2: SAMPLING

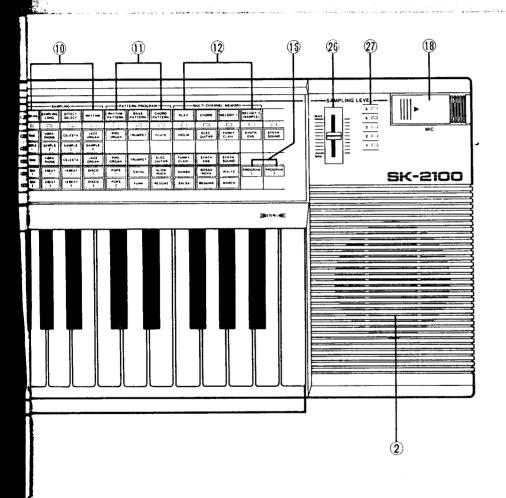
WHAT IS SAMPLING?.... HOW DOES IT WORK?..... HOW TO SAMPLE SOUNDS HOW TO PLAY BACK SAMPLE SOU HOW TO UTILIZE SAMPLE SOUNDS SAMPLING EFFECTS..... HOW TO USE SAMPLING EFFECTS HOW TO USE ENVELOPES HOW TO ALTER PITCH OF SAMPLE

CONTENTS

	3
BASIC CONNECTIONS	7
POWER SUPPLY	8
PART 1: BASIC OPERATIONS	10
HOW TO MAKE MUSIC ON THE SK-2100	10
A) PRESET TONES	10
B) AUTO-RHYTHM FUNCTION	. 11
C) KEYBOARD SPLIT FUNCTION	12
D) AUTO-ACCOMPANIMENT	
(CASIO CHORD FUNCTION)	13
,	
PART 2: SAMPLING	16
	10
WHAT IS SAMPLING?	. 10
WHAT IS SAMPLING? HOW DOES IT WORK?	16
HOW DOES IT WORK?HOW TO SAMPLE SOUNDS	. 16
HOW DOES IT WORK?	. 16 . 17
HOW DOES IT WORK?	. 16 . 17 . 18
HOW DOES IT WORK? HOW TO SAMPLE SOUNDS HOW TO PLAY BACK SAMPLE SOUNDS HOW TO UTILIZE SAMPLE SOUNDS SAMPLING EFFECTS	. 16 . 17 . 18 . 19
HOW DOES IT WORK? HOW TO SAMPLE SOUNDS HOW TO PLAY BACK SAMPLE SOUNDS HOW TO UTILIZE SAMPLE SOUNDS SAMPLING EFFECTS	. 16 . 17 . 18 . 19
HOW DOES IT WORK?	. 16 . 17 . 18 . 19 . 19

PART 3: PATTERN PROGRAMMING	2
HOW TO PROGRAM RHYTHM PATTERNS	2
HOW TO PROGRAM FILL-IN PATTERNS	2
HOW TO PROGRAM BASS PATTERNS	2
HOW TO PROGRAM CHORD PATTERNS	2
HOW TO "PLAY" PROGRAMMED PATTERNS	2
PART 4: MULTI-CHANNEL MEMORY	2
HOW TO PROGRAM CHORD MEMORY	2
HOW TO PROGRAM MELODY 1	3
HOW TO PROGRAM MELODY 2	3
HOW TO PLAY BACK MULTI-CHANNEL MEMORY	3
TROUBLESHOOTING	3
CARE OF YOUR KEYBOARD	3
SPECIFICATIONS	3





① KEYBOARD

49 keys. Features a keyboard split point between F3 and F#3.

② SPEAKERS

Output sounds when phone plugs are not connected to output jacks on Rear Panel.

3 VOLUME SLIDERS

Used to control overall volume (Main), accompaniment, rhythm and sample sounds output via the built-in speakers or output jacks.

4 TEMPO CONTROL KEYS

Used to raise or lower tempo of rhythm.

⑤ START/STOP KEY

Starts and stops Auto-Rhythms, Pattern Programs and Multi-Channel Memory programs.

(6) SYNCHRO/FILL-IN KEY

Used to specify synchronized starts of rhythm when keyboard is touched and to trigger programmed rhythm fills.

7 OFF BUTTON

Turns OFF Keyboard Split and Casio Chord functions.

® KEYBOARD SPLIT BUTTON

Used to specify the Keyboard Split function.

9 CASIO CHORD BUTTONS

Used to specify the mode of the Casio Chord function.

® SAMPLING KEYS

Used to specify sampling modes.

11) PATTERN PROGRAM KEYS

Used to specify parts of patterns to be programmed in Patter Memory.

12 MULTI-CHANNEL MEMORY KEYS

Used to specify parts of songs to be programmed in Multi-Chann Memory.

13 UPPER TONE KEYS

Used to select timbre or sampled sound controlled by keys about split point when in the Keyboard Split mode.

4 LOWER TONE KEYS

Used to select timbre controlled by keys below split point when in the Keyboard Split mode.

15 AUTO-RHYTHM KEYS

Used to select preset Auto-Rhythms.

16 PROGRAM KEYS

Used to select programs in Pattern Memory.

(17) SAMPLING PADS

Used to trigger sampled sounds. Nos. 1 and 2 are also used to delete parts of pattern program (Delete), and insert sounds in rhythm (Timing), when creating original rhythm patterns.

(18) DETACHABLE MICROPHONE

Used to record sounds in Sampling Mode.

(19) KEY TRANSPOSE KEYS

Used to transpose pitch of sampling sounds.

20 SAMPLING EFFECTS KEYS

Used to select LOOP or REVERSE effects when in the Sampling Mode.

(1) ENVELOPE KEYS

Used to specify envelope of selected timbres in the Sampling Mode.

② SPLIT POINT

Indicates the point where the Keyboard Split function divides the keyboard (between F3 and F#3).

23 PERCUSSION KEYS

Used to program percussion sounds in the Pattern Program rhythm.

4 POWER SWITCH

25 POWER INDICATOR

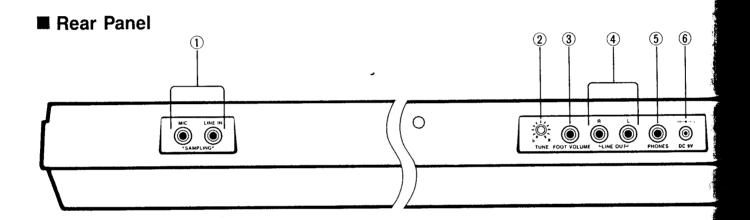
(26) SAMPLING LEVEL SLIDER

Used to control sensitivity of sampling.

② SAMPLING LEVEL INDICATOR

LEDs indicate level of sample sound input.

BASIC CONNECTIONS



(1) SAMPLING JACKS

Used to connect external sampling mic or sampling sound from another external sound source.

2) TUNING CONTROL

Adjusts pitch of entire keyboard within ± 50 cents.

3 FOOT VOLUME JACK

For connection of volume foot control (VP-2, optional).

4 OUTPUT JACKS (R/L)

For connection to external keyboard amplifier or audio equi

(5) **HEADPHONE JACK**

For connection of headphones (CP-2 optional).

6 AC ADAPTOR JACK

For connection of AC adaptor (AD-5 optional).

POWER SUPPLY

This unit operates on both AC and DC power.

<DC power>

Dry batteries

This unit can be powered by six D size (SUM-1) manganese dry batteries. Weakened batteries will result in lower volume or poor tonal quality. The power indicator lamp will gradually lose its brightness when battery power weakens. At this time, change batteries or shift to one of the alternate power source mentioned below.

Battery replacement:

- Open the battery compartment cover on the bottom of the unit and take out used batteries.
- ② Load new batteries taking care that polarity is correct.
- * It is advisable to replace all six batteries at the same time for longer battery life.
- * Refer to the specifications for standard battery life.

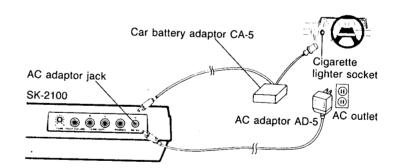
Car battery

60 equipment.

With the car battery adaptor (CA-5, optional), DC power is supplied from a car battery through the cigarette lighter socket.

<AC power>

An AC adaptor (AD-5, optional) is required to connect to an AC outlet. Use only an adaptor with the same voltage rating (100, 117, 220, or 240V) as the power supply in your area to prevent component damage. Plug the AC adaptor into the AC outlet and the cord into the unit. This will automatically cut off the battery power supply.



POWER SUPPLY

★ Auto power off function

Power is automatically cut off approximately 6 minutes after the last operation of the unit. Power supply can be restored by switching power OFF and then ON again.

CAUTION

- *Use only genuine CASIO adaptors to avoid risk of damage.
- *Remove batteries from the battery compartment when the unit is not used for extended periods. (Battery leakage can damage electrical parts.)
- *The adaptor may become warm when left connected to an outlet. This is normal, but the adaptor should be disconnected when not in use.
- *THE FOLLOWING CONDITIONS CAN CAUSE BATTERIES TO BURST:
- 1. Use of adaptors other than genuine CASIO adaptors.
- 2. Loading batteries with polarities reversed.

PART 1: BASIC OPERATIONS

■ HOW TO MAKE MUSIC ON THE SK-2100

1) Turn ON power.



- After selecting the power source you intend to use and making necessary connections, press the POWER BUTTON.
- •The POWER INDICATOR will light, and you will hear the sound of the built-in amplifier coming on over the speakers. Immediately after the power is turned ON, the PIANO Tone (timbre) is automatically selected.
- 2 Adjust the volume.
- •Using the MAIN VOLUME SLIDER, adjust the main volume to an appropriate level.

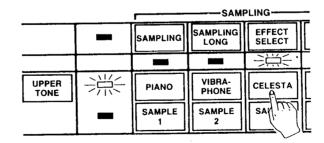
NOTE: The MAIN VOLUME may also be controlled by connecting an optional VP-2 Foot Volume Pedal.

Now, go ahead and get a feel for the SK-2100 keyboard. Notice that in this initialized mode, the PIANO Tone sounds on all keys of the keyboard, and that indicators in the corresponding horizontal and vertical column light up.

A) PRESET TONES

The SK-2100 is equipped with 12 factory preset Tones, as well as 4 preset sample sounds. The Tones can be selected by pressing any of the UPPER TONE KEYS. (When power is turned ON, PIANO is automatically selected.)

When an UPPER TONE KEY is pressed, an indicator above the selected key lights up.

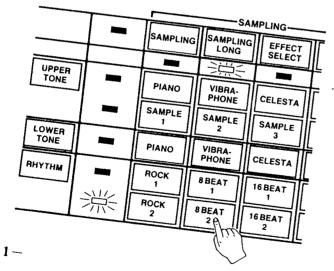


B) AUTO-RHYTHM FUNCTION

The SK-2100's Auto-Rhythm function features a total of 20 different rhythms, and 20 corresponding fill-in patterns. The basic rhythms can be selected by pressing any of the AUTO-RHYTHM

(When power is turned ON, ROCK 1 is automatically selected.)

When an AUTO-RHYTHM KEY is pressed, indicators in the corresponding horizontal and vertical columns light.



HOW TO START AN AUTO

① After selecting the desired type of rhythm the AUTO-RHYTHM KEYS, press the ST

•The rhythm starts, and the TEMPO INDICA red LED marking the first beat of each measure in each measure are indicated by a green

■ HOW TO USE SYNCHRO

This function allows you to start the rhythm with the first note played on the keyboard (be

① After selecting the desired rhythm, press the

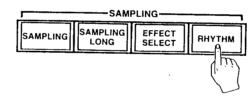


•The red TEMPO INDICATOR lights, indicating Start function is in a standby mode.

Addition to page 11

PART 1: BASIC OPERATIONS

- B) AUTO-RHYTHM FUNCTION
- USING A SAMPLED SOUND AS A RHYTHM
- 1) Press the SAMPLING RHYTHM key after start of the rhythm.



- •Sampled sound rhythm patterns are preset to all auto-rhythm patterns.
- •The sampled sound becomes inaudible when the SAMPLING RHYTHM key is pressed again.

SK-2100

D-RHYTHM

by pressing one of NRT/STOP KEY.

ator

)P

FOR lights, with a Remaining beats .ED.

START

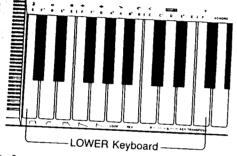
n synchronization ow the split point).

SYNCHRO/FILL-

YNCHRO/FILL-IN

that the Synchro

the rhythm will start as soon as you play a LOWER TONE key the keyboard (any key below the split point).



•Adjust Auto-Rhythm Volume

Adjust the Auto-Rhythm volume to an appropriate relative level using the RHYTHM VOLUME SLIDER.

■ HOW TO CHANGE TEMPO

To raise Tempo, press the TEMPO CONTROL KEY (▲) and release. Tempo becomes faster each time the key is depressed. To lower Tempo, press the TEMPO CONTROL KEY (▼) and release. Tempo becomes slower each time the key is depressed. •Tempo remains unchanged when either of the TEMPO CONTROL KEYS are held down. Keys must be pressed repeatedly to make major changes in tempo.

 Pressing both TEMPO CONTROL KEYS simultaneously returns Tempo to initialized setting.

■ HOW TO USE FILL-IN FUNCTION

The SK-2100 features 20 preset rhythm fill-in patterns, corresponding to each of the Auto-Rhythms. Pressing the SYNCHRO/FILL-IN KEY while a rhythm is playing inserts a fill-in pattern into the normal rhythm. If the key is held down, the fill-in pattern is repeated until the end of the measure during which the key is released.

■ HOW TO STOP AN AUTO-RHYTHM

Auto-Rhythm can be stopped at any point by simply pressing the START/STOP KEY once again.

C) KEYBOARD SPLIT FUNCTION

The SK-2100's KEYBOARD SPLIT function is used in a variety of ways, for various effects.

■ HOW TO SELECT KEYBOARD SPLIT

1) Press the SPLIT BUTTON. In this basic KEYBOARD SPLIT mode, the keyboard is "split" into UPPER TONE and LOW-ER TONE sections.

PART 1: BASIC OPERATIONS

•Different Tones may be specified for each section, using the UP-PER TONE KEYS and LOWER TONE KEYS, respectively.

NOTE: The KEYBOARD SPLIT function comes in effect automatically whenever the CASIO CHORD function is selected.

D) AUTO-ACCOMPANIMENT (CASIO CHORD FUNCTION)

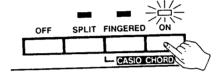
The SK-2100 is equipped with Casio's unique CASIO CHORD function. This lets you add full-chord accompaniment to your melodies in either One-Finger, or Fingered modes, depending on your skill and preference.

■ HOW TO USE THE CASIO CHORD FUNCTION

One-finger Accompaniment (Casio Chord)

This Auto Accompaniment function lets you automatically play full chords with just one finger, and adds an appropriate bass line corresponding to the rhythm style and chords played.

1) Press the CASIO CHORD ON BUTTON.



- •A corresponding red LED will light.
- ② Select the accompaniment tone by pressing a desired LOW-ER TONE KEY.



- 3 Start the selected rhythm in the Auto-Rhythm section. (Use Synchro Start if you desire.)
- When any of the keys below the split point are played, a corresponding major chord is sounded.

In addition to major chords, the CASIO CHORD function allows the playing of various other chords as shown on the next page:

Relationship Be

When the Casio Chord function is ON, major cally played in time with the rhythm pattern, In order to change the Auto Accompaniment keyboard to the right of the root key, together produces seventh chords, while pressing a fe

<EXAMPLES>

C (C major)	Press ①
Cm (C minor)	Press ① & ② 1
C7 (C seventh)	
Cm7 (C minor seventh)	Press (1), (2), (3)

NOTE: Not only ②, ③ and ④, but any keys same effect, regardless of whether t

Relationship Between Keys Played and Type of Chord

then the Casio Chord function is ON, major chords are produced which have the note pressed as a root. They are automatiplayed in time with the rhythm pattern, together with an appropriate bass line.

order to change the Auto Accompaniment to a minor chord, simply press any other key on the Lower Tone section of the cook to the right of the root key, together with the root. Pressing one more key (for a total of three) under these conditions roduces seventh chords, while pressing a fourth key produces minor seventh chords.

EXAMPLES>

(C major)..... Press ① (C minor)..... Press $\widecheck{1}$ & 2 together (C seventh) Press ①, ② & ③ together 7 (C minor seventh) Press ①, ②, ③ & ④ together



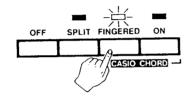
POTE: Not only ②, ③ and ④, but any keys to the right of ① on the Lower Tone section of the keyboard will produce the

PART 1: BASIC OPERATIONS

Fingered Accompaniment

Fingered accompaniment lets you create chords yourself, by playing corresponding keys, and adds an appropriate bass line in correspondence with the rhythm style and type of chords played.

1) Press the CASIO CHORD FINGERED BUTTON.



② Select the LOWER TONE which you wish to use as accompaniment.



- ③ Start the selected rhythm in the Auto-Rhythm section. (Use Synchro Start if you desire.)
- 4 The keyboard responds to chords played by inserting them in the accompaniment pattern, together with an appropriate bass line.

- •Adjust the level of the accompaniment sound with the BASS and CHORD VOLUME SLIDERS.
- •Adjust the tempo of the rhythm with the TEMPO CONTROL KEYS.

PART 2: SAMPLII

■ WHAT IS SAMPLING?

As the name suggests, "sampling" allows you ple" sounds and incorporate them in musical chords, rhythm sounds, or incidental percus-

■ HOW DOES IT WORK?

Virtually any audible sound may be recorded sampling memory, via the built-in detachable r ternal microphone or the LINE IN sampling j The SK-2100 sampling memory features 4 men area holds sampled sounds of up to 0.8 seco sampling modes are used, "SAMPLING" LONG." The SAMPLING mode allows samplinent sounds, each of which may be up to 0.8 s in other words, each SAMPLE sound takes up area. SAMPLING LONG sounds take up two a 1.6 seconds. These may be entered into SAM and 3.

PART 2: SAMPLING

■ WHAT IS SAMPLING?

As the name suggests, "sampling" allows you to record, or "sample" sounds and incorporate them in musical patterns, as notes, chords, rhythm sounds, or incidental percussion sounds.

HOW DOES IT WORK?

Virtually any audible sound may be recorded into the SK-2100's sampling memory, via the built-in detachable microphone, an external microphone or the LINE IN sampling jack.

The SK-2100 sampling memory features 4 memory "areas." Each area holds sampled sounds of up to 0.8 seconds. Two different configurations of up to 0.8 seconds. Two different configurations of up to 1.8 seconds in length. In other words, each of which may be up to 0.8 seconds in length. In other words, each SAMPLE sound takes up a single memory configuration. These may be entered into SAMPLE CHANNELS and 3.

<Initialized Sampling Sounds>

The SK-2100 comes with 4 factory preset sampling sounds, assigned to the four SAMPLE CHANNELS as listed below:

Sample 1 — Conga

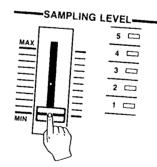
Sample 2 — Acoustic Piano

Sample 3 — Vibraphone

Sample 4 - Horn

These sounds are selected automatically, each time the sampling function is initialized. Initialization of these sounds can be accomplished via the following procedure.

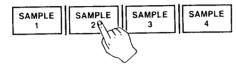
① Lower sampling sensitivity to "0" via the SAMPLING LEVEL SLIDER.



PART 2: SAMPLING

② Press the SAMPLE CHANNEL KEY (SAMPLE 1-4) corresponding to the sampled sound to be initialized:

< EXAMPLE > Press the SAMPLE 2 KEY.



③ Press the SAMPLING KEY.



- •Initialized is marked by the sound of a bass drum.
- Previously sampled sound is erased from the channel specified, and the factory preset sound is selected.

NOTE: All four channels are intialized if batteries are removed (or when no power is supplied to unit).

■ HOW TO SAMPLE SOUNDS

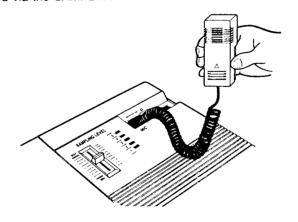
① Press the SAMPLE 1 KEY.



- •Red indicators in the corresponding horizontal and vertical columns.
- 2) Press the SAMPLING KEY.



- •A green LED lights in the corresponding horizontal column, dicating that the Sampling function is ready to sample.
- ③ Sampling begins as soon as sounds are detected, via an autitigger function. The sensitivity of this function can be adjusted via the SAMPLING LEVEL SLIDER.



PLE END is marked by the sample in the other sample CHANNEL KEY, and then CONG KEYS.

channels. When selected from memory.

counds are entered into sounds already in SAM or 3 return to initialized

HOW TO PLAY BA

aying Sampled Somethy after the SAMPLE Elliby be played back on a MAMPLE CHANNELS are for this half of the keyt

- •SAMPLE END is marked by the sound of a cymbal crash.
- •To sample in the other sample areas, press the desired SAM-PLE CHANNEL KEY, and then press the SAMPLING or SAM-PLING LONG KEYS.

NOTES:

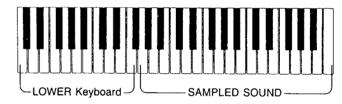
- •SAMPLING LONG can only be selected in SAMPLE 1 and SAMPLE 3 channels. When selected, SAMPLING sounds (short) are erased from memory.
- •When sounds are entered into SAMPLE 2 or 4, with SAMPLE LONG sounds already in SAMPLE 1 or 3, respectively, SAMPLE 1 or 3 return to initialized sound.

■ HOW TO PLAY BACK SAMPLE SOUNDS

[1] Playing Sampled Sounds On Keyboard

Immediately after the SAMPLE END sound is heard, the sampled sound may be played back on any of the UPPER TONE keys, as the SAMPLE CHANNELS are among the tones which can be selected for this half of the keyboard.

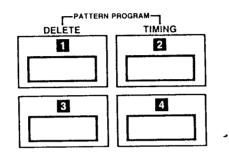
- •In this mode, sampled sounds are reproduced at the pitch of key or keys which are depressed. Notice that the speed of sampled sound replay also changes with the pitch.
- Sampled sounds may be played on the UPPER TONE keys only (above the split point). When "SAMPLE 1 ~ 4" are chosen as Upper Tone timbre, the KEYBOARD SPLIT function is chosen automatically.



•Sampled sounds are recorded in memory having a pitch which corresponds to A4.

[2] Playing Sampled Sounds On Sampling Pads

Sampled sounds may also be played back at any time on the SAM-PLING PADS located at the center of the operation panel.



NOTES:

- •The pitch of sample sounds played back via the SAMPLING PADS is fixed at the pitch at which they were sampled. The pitch of initialized sounds is "A" (octaves differ).
- Polyphonic chords comprised of sampled sounds may contain up to three notes. Please do not exceed this limit. 3-note polyphonic chords only are possible when the SAMPLING PADS are played in combination with the keyboard.

■ HOW TO UTILIZE SAMPLE SOUNDS

Depending on the type of sounds sampled, they can be used effectively in creating realistic instrument sounds (acoustic piano, strings, woodwinds, etc.), or percussion sounds (human voice, percussion instruments, etc.).

*See "PART 3: PATTERN PROGRAMMING" and "PART 4: MULTI-CHANNEL MEMORY" for details on how to program sampled sounds into PATTERNS and MULTL-CHANNEL MEMORY.

■ SAMPLING EFFECTS

The SK-2100 features three different "sampling effects" — LOOP. REVERSE, and TRANSPOSE.

In addition, various envelopes are provided to alter the characteristics of sampled sounds.

- The LOOP effect causes the sampled sound to be repeated as long as any key is held down on the keyboard.
- •The REVERSE effect causes the sampled sound to be played back in reverse, much like running a tape in reverse.
- •The TRANSPOSE effect raises or lowers the pitch of the sampled sound chromatically.
- •Key may be transposed up to 8 steps down (4 whole tones) of 7 steps up (3.5 tones).
- •Sample Pad sounds are transposed simultaneously when the Key Transpose function is used.

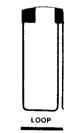
HOW TO USE SAM

Below the SAMPLE CHANNE
SAMPLING EFFECT by pressing CHANNEL KEY.

EXAMPLE > Press the SAM

Frees the EFFECT SELECT F

Press the SAMPLING EFFECT seponding to the desired effet



HOW TO USE SAMPLING EFFECTS

CHANNEL in which you desire to use a AMPLING EFFECT by pressing the corresponding SAMPLE HANNEL KEY.

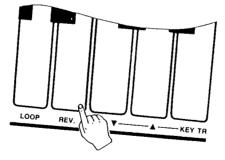
EXAMPLE > Press the SAMPLE 2 KEY.



1968 the EFFECT SELECT KEY.



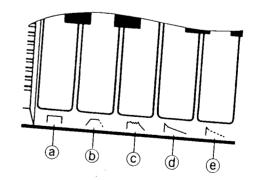
the SAMPLING EFFECTS KEY (on the keyboard) corpording to the desired effect.



- •A sound will mark the engagement of the selected effect a high-hat sound in the case of the LOOP or TRANSPOSE, and a cymbal crash preceded by hi-hat strokes in the case of the REVERSE effect.
- •To cancel LOOP or REVERSE effect, repeat steps ① through ③.

■ HOW TO USE ENVELOPES

Envelopes are voltages which change as a function of time. Practically speaking, they determine the loudness and timbre of sounds. In the SK-2100, they are used to alter the characteristics of sampled sounds.



PART 2: SAMPLING

(a) Used to return envelope-altered sampling sound to original state.

(b) SLOW ATTACK
Slow increase of volume at beginning as with violin or cello

© 「 TREMOLO Slight vibrato

d Manual DAMPED TONE I
Piano/guitar damped tone, slow decay

® 1---. DAMPED TONE II Slower decay than (d)

① Select the SAMPLE CHANNEL in which you desire to use an ENVELOPE by pressing the corresponding SAMPLE CHANNEL KEY.

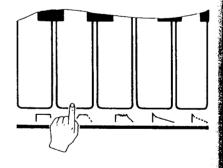
< EXAMPLE > Press the SAMPLE 2 KEY.



② Press the EFFECT SELECT KEY.



③ Press the ENVELOPE KEY (on the keyboard) corresponding to the desired ENVELOPE.



HOW TO ALTER PAD SOUNDS

phich of any or all Samp court affecting the pitch of the may be altered correspondent

Tess the CHORD KEY on t



porresponding LED lights be specified.

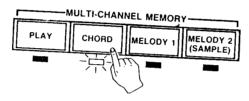
ANNEL KEY (1 through 4)
Sample Sounds may



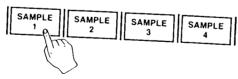
■ HOW TO ALTER PITCH OF SAMPLE PAD SOUNDS

The pitch of any or all Sample Pad sounds may be changed without affecting the pitch of the keyboard. The range within which pitch may be altered corresponds to the UPPER TONE keys.

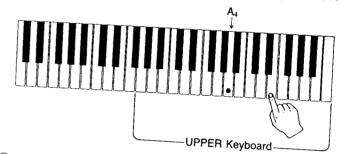
(1) Press the CHORD KEY on the Multi-Channel Memory section.



- •The corresponding LED lights indicating pitch of Sample Pad may be specified.
- ② Specify the Sample Pad to be altered by pressing a SAMPLE CHANNEL KEY (1 through 4). Sampled sounds as well as PCM preset Sample Sounds may be selected for alteration.



③ Specify desired pitch by playing a key on the UPPER TONE half of the keyboard. The initialized pitch corresponds to A4.



- 4 Press the CHORD KEY once again.
- •LED goes out indicating procedure is complete.

NOTE: Sample Sounds and Sampling Effect status are protected via a memory back-up function. They are held in memory as long as power is supplied to unit via batteries or AC adaptor, even if power is turned OFF.

The SK-2100 features a PATTERN MEMORY, which is capable of storing two different patterns of up to two measures each. These patterns may consist of rhythms, bass lines and accompanying chords. They are specified via the PROGRAM 1 and PROGRAM 2 KEYS.

In order to start pattern programming from scratch, it's necessary to erase initialized or previously programmed patterns in one of the PROGRAM memories, one element at a time.

- (1) Erase programmed RHYTHM PATTERN by pressing RHYTHM PATTERN KEY, DELETE KEY (#1 SAMPLE PAD) and PROGRAM KEY (1 or 2), in successive order.
- (2) Erase programmed BASS PATTERN by pressing BASS PATTERN KEY, DELETE KEY (#1 SAMPLE PAD) and PROGRAM KEY (1 or 2), in successive order.
- 3 Erase programmed CHORD PATTERN by pressing CHORD PATTERN KEY, DELETE KEY (#1 SAMPLE PAD) and PROGRAM KEY (1 or 2), in successive order.
- •In this state, the specified PATTERN PROGRAM (1 or 2, whichever you erased) is "empty" and ready to be programmed.

■ HOW TO PROGRAM RHYTHM PATTERNS

It's probably easiest to start your programming with the rhythm. This pattern may consist of 2 measures featuring up to 7 percussion sounds and all 4 sampling sounds, if desired.

1) Press the RHYTHM PATTERN KEY.

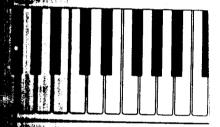


2 Press the START/STOP KEY.



 The TEMPO DISPLAY flashes, acting as a metronome. The red LED indicates the first beat in each measure and the green LED counts out the subsequent beats (4 beats to a measure). **Select the percussion instrument to**

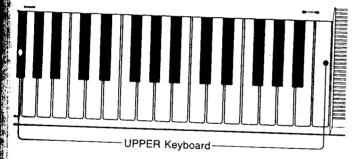
To select sample sounds as rh
by the Sample Sound (1 three
CHANNEL KEYS after pressing ston key (SAMPLE) on the key.
Ing UPPER TONE keys.

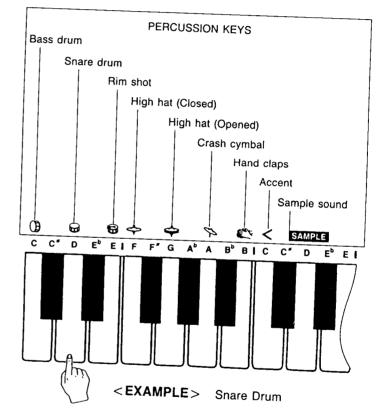


--- UPPER Keyboard

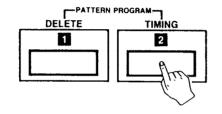
③ Select the percussion instrument to be programmed by pressing the corresponding PERCUSSION KEY (on the keyboard).

NOTE: To select sample sounds as rhythm sound sources, specify the Sample Sound (1 through 4) via the SAMPLE CHANNEL KEYS after pressing the "SAMPLE" percussion key (SAMPLE) on the keyboard. Input notes by playing UPPER TONE keys.

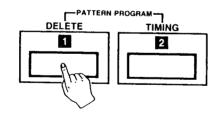




4 Program selected sound by "tapping" the TIMING PAD (#2 SAMPLE PAD). Programmed pattern will repeat at the end of the second measure.

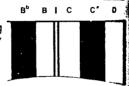


•Hold down DELETE PAD to delete any or all of this pattern. Pattern will be deleted for as long as the pad is held down.



NOTE: Only the specified instrument's part in the overall pattern is deleted via the DELETE PAD.

- Accents may be added to any beat via the ACCENT KEY.
- •To input ACCENTS, press the Timing Key after pressing the ACCENT KEY on the keyboard.

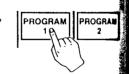


Accent key

- 5 When you are satisfied with one instrument's part, select the next by pressing another PERCUSSION KEY.
 - 6 Repeat steps 1 through 6 to program other percussion instrument sounds in the pattern.
 - ⑦ Once your RHYTHM PATTERN is complete, press the START/STOP KEY to stop the rhythm.



(8) Press the PROGRAM KEY (1 or 2, whichever you selected above).



 Your RHYTHM PATTERN is now entered into the PATTER MEMORY of the PROGRAM which you specified.

HOW TO PROGRAM I

PATTERN MEMORY may be pro in addition to the basic rhythn

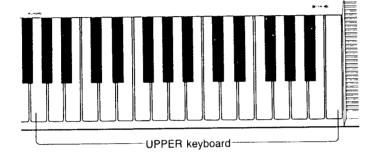
the RHYTHM PATTERN KEY

the SYNCHRO/FILL-IN KEY.



stops ② through ⑧ of RHYTI

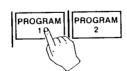
③ Add a suitable bass line by playing the UPPER keyboard.



- •Hold down DELETE PAD to delete any or all of this pattern. Pattern will be deleted for as long as the pad is held down.
- When you are satisfied with the BASS PATTERN, press the START/ STOP key to stop the rhythm and bass.



(5) Press the PROGRAM KEY (1 or 2, whichever you selected above).



Your BASS PATTERN is now entered into the PATT
 MEMORY of the PROGRAM which you specified.

■ HOW TO PROGRAM CHORD PATTERNS

Complete your PATTERN PROGRAM by programming the mic pattern of chord accompaniment.

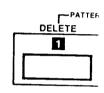
1) Press the CHORD PATTERN KEY.



② Press the START/STOP KEY.



- The rhythm and bass patterns which you just programmed play repeatedly.
- ③ Program the rhythmic pattern of chord accompaniment ping" the TIMING PAD (#2 SAMPLE PAD). Programent tern will repeat at the end of the second measure.



LETE PAD to delete any or Literal for as long as the p

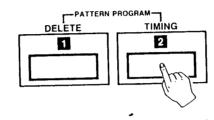
EXECUTE: Stop the comple

HOGRAM KEY (1 or 2, wl

PATTERN is now entere PROGRAM which you

O "PLAY" PROC

progressions on the L paying original melodies



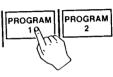
- •Hold down DELETE PAD to delete any or all of this pattern. Pattern will be deleted for as long as the pad is held down.
- When you are satisfied with the CHORD PATTERN, press the START/STOP KEY to stop the completed pattern.
- ⑤ Press the PROGRAM KEY (1 or 2, whichever you selected above).
- •Your CHORD PATTERN is now entered into the PATTERN MEMORY of the PROGRAM which you specified.

■ HOW TO "PLAY" PROGRAMMED PATTERNS

"tap-

Now that your PATTERN is complete, you can "play" it by playing CASIO CHORD progressions on the LOWER TONE half of the keyboard, and playing original melodies on the UPPER TONE half.

① Press the PROGRAM KEY (1 or 2, whichever you selected above).



② Press the START/STOP KEY.



- •The programmed rhythm will start.
- •The bass line and chord accompaniment begins when any LOW-ER TONE key on the keyboard is played. Bass lines automatically follow the progression of chord changes at any point in the pattern.
- Melodies can be played on the UPPER TONE keys on the keyboard. Select the timbre via the UPPER TONE KEYS.
 (Note that SAMPLE sounds can also be used to play the melody part.)
- Percussion fill-in patterns can be played at any point by pressing the SYNCHRO/FILL-IN KEY.

The SK-2100's MULTI-CHANNEL MEMORY function holds 2 different melodies, one featuring up to 2024 steps using the preset tones, and the other featuring up to 1024 steps using a sampled sound. In addition, it holds up to 159 chord changes.

■ HOW TO PROGRAM CHORD MEMORY

The CHORD memory is capable of storing a melody of up to 159 chords.

1 Specify a suitable rhythm (may be one you have programmed in PATTERN MEMORY).

ЯНҮТНМ		ROCK 1 ROCK 2	8 BEAT 1 8 BEAT 2	16 BEAT 1 16 BEAT 2	DISCO 1 DISCO 2	POPS 1 POPS 2
SWING	SLOW ROCK	SAMBA SALSA	BOSSA NOVA BEGUINE	WALTZ	PROGRAM 1	PROGRAM 2

2) Press the CHORD MEMORY KEY.



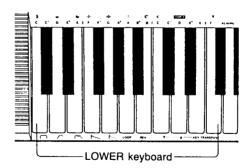
③ Press the START/STOP KEY.



•The specified rhythm starts after a 1 measure count.

NOTE: Synchro Start function may also be used.

4 Play desired chord accompaniment in CASIO CHORD of GERED chord modes.



• The timbre of the chord accompaniment may be changed ing recording of the track by pressing any of the LOWER KEYS. The RHYTHM may also be changed. The correcting LEDs do not light in these cases.

memory capacil LEDs of the T

START/STOP KI

CHORD MEMOI From the progra

be "chords" |
cally, each ke
as a single s
by Because of
chord differs from
for examples
poses.

NOTE: If the memory capacity is exceeded, both the red and green LEDs of the TEMPO INDICATOR light simul-

(5) Press the START/STOP KEY to stop.



® Press the CHORD MEMORY KEY once again to exit from the programming mode.



NOTES:

•A maximum of 159 "chords" may be held in the Multi-Channel Memory. Specifically, each key which is depressed on the keyboard is counted as a single step, and up to 159 steps may be stored in memory. Because of this, the number of steps taken up by a Casio Chord differs from those of fingered chords. Refer to the Step Chart for examples of how "chords" are calculated

▼ STEP CHART

	Name Casio Chord	1	
(M)	Major	on	fingered
m	Minor	1	3
7	Seventh	2	3
m7	Miner Seventh	3	4
M7	Major Seventh	4	4
m7 ⁻⁵	Minor seventh flat five		4
Sus4	Sus four		4
aug	Augmented		3
dim	Diminished		3

•If the 159-step capacity is exceeded, memory Lit (red) Lit (green) overload is indicated by the TEMPO INDICA-TORS, which light simultaneously. Further input of chords becomes impossible. To exit from this mode, press the START/STOP



OFFIN-

- •To erase the entire chord memory program, enter the memory programming mode, press the START/STOP KEY once, and press it once again during the first measure.
- •It is possible to alter the LOWER TONE sound (accompaniment) or select a different Rhythm pattern while programming in Chord Memory, however selected Tone or Rhythm are not displayed. Also, the newly selected Tone or Rhythm are not put into memory. Because of this, Tone and Rhythm sound can be selected when the program is played back.

■ HOW TO PROGRAM MELODY 1

Melody 1 tone may be selected from any of the preset UPPER TONE KEYS.

1) Press MELODY 1 KEY.



2 Press START/STOP KEY.



- •The selected rhythm pattern, chord accompaning (programmed above) and bass line start after a 1 measure contains the 1 measure c
- 3 Play desired melody along with accompaniment.
- 4 Press START/STOP KEY to stop.



(5) Press MELODY 1 KEY once again to exit from programming mode.



TMPO INDICATOR light sim

Land 2,000 notes may be held mory. Each note counts a chord chords, so that a chord chord count as 3 notes for m

< M

constep capacity is exce corrolad is indicated by the cators, which light simultan input of notes in Melconscible. To exit from this restant, START/STOP KEY.

ne entire Melody 1 prog in mode, press the STAF ice again during the first m

Desired Tone should be so ha. Also, Tone and Rhythn Bacause of this, preset Tone of for Melody 1.

NOTES:

- •If the memory capacity is exceeded, both the red and green LEDs of the TEMPO INDICATOR light simultaneously.
- •A maximum of 2,000 notes may be held in Melody 1 of the Multi-Channel Memory. Each note counts as a single note in the case of polyphonic chords, so that a chord containing 3 notes, for example, would count as 3 notes for memory purposes.

<Memory Overload Indicated>

Lit (red) Lit (green)

•If the 2,000-step capacity is exceeded, memory overload is indicated by the TEM-PO INDICATORs, which light simultaneously. Further input of notes in Melody 1 becomes impossible. To exit from this mode, press the START/STOP KEY.



- •To erase the entire Melody 1 program, enter the memory programming mode, press the START/STOP KEY once, and press it once again during the first measure.
- •It is impossible to change the Tone during the programming of Melody 1. Desired Tone should be selected before beginning programming. Also, Tone and Rhythm are not held in program memory. Because of this, preset Tone and Rhythm sound can be selected for Melody 1.

■ HOW TO PROGRAM MELODY 2

A second melody can be added to MELODY 1. In this case, the Sample Sounds may be selected.

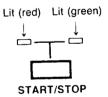
•Program by following procedures described for MELODY 1.

NOTES:

- •In this mode, timbre changes and any sounds input via sampling pads are also recorded.
- •A maximum of 1,000 notes may be held in Melody 2 of the Multi-Channel Memory. Each note counts as a single note in the case of polyphonic chords, so that a chord containing 3 notes, for example, would count as 3 notes for memory purposes.

<Memory Overload Indicated>

•If the 1,000-step capacity is exceeded, memory overload is indicated by the TEM-PO INDICATORs, which light simultaneously. Further input of notes in Melody 2 becomes impossible. To exit from this mode, press the START/STOP KEY.



•To erase the entire Melody 2 program, enter the memory programming mode, press the START/STOP KEY once, and press it once again during the first measure.

■ HOW TO PLAY BACK MULTI-CHANNEL MEMORY

(1) Press PLAY KEY.



② Press the START/STOP KEY.



•The programmed rhythm pattern, chord accompaniment bass line, and melodies start after a 1 measure intro count.

HINTS:

- •Try using the MULTI-CHANNEL memory has an accompaniment-only function by leaving the MELODY channels empty just recording the chord progressions.
- •During playback, alternate timbres and rhythms may be selected, although they will not be indicated via the LEDs.

batteries are not dead

oes not start

when program-

F function

UBLESHOOTING

that batteries are not dead. Contents of memory will not be protected if batteries become dead.

Trouble	Possible cause	Remedy
thm does not start	System initialization is carried out for approximately 5 seconds after power is	Begin operation 5 seconds after turning power ON.
Start does not properly.	turned ON.	
mans ON, even	Power was turned OFF while unit was in sampling standby state (lasts a maximum of 15 seconds after SAMPLING or SAMPLING LONG keys are pressed).	Power turns OFF as soon as sampling signal is received from built-in mic, external mic or external sound source. Power also turns OFF if no sampling signal is received within 15 seconds from when switch is turned OFF.
e sounds ely when program- pattern.	More than 2 keys were played simultaneously during programming.	If bass note sounds continuously, delete bass pattern and begin programming again. NOTE: Bass pattern must be input 1 note at a time.
er OFF function Operate.	Auto Power OFF function does not operate in Chord Pattern programming mode (with rhythm stopped).	Press CHORD PATTERN KEY to exit from programming mode.

TROUBLESHOOTING

Remedy	Possible cause	Frouble
Turn off Key Split or Auto Accompanime functions before entering sampling mode this problem occurs. MOTE: Specify Sample Channel with SAMPLE Amore and the Sampling.	Sample Channel not specified when performing Sampling input.	The Chord volume control does not function, and Tone may be altered via the TONE Keys.
Polyphonic chords played with sampling sounds may contain up to three notes. This includes notes played via the Sampling Pads.	4-note polyphonic chord played using sample sound.	All functions return to in- itialized state (as immediate- ly after powr ON).
Erase a section of some part in Multi- Section again. MEMORY OVER display disappear.	No. of notes input in Melody 2 memory have exceeded capacity (approximately 1000 notes).	Rhythm pattern stops suddenly during Rhythm Pattern programming, Tempo Indicator remains lit.
1. Replace all batteries. 2. Refer to owner's manual for correct operating procedures.	1. When batteries have become dead. 2. When operations are not performed cor- rectly (as described in owner's manual).	Data in memory may become altered or erased under the following conditions:

ound confollowing at margons

TROUBLESHOOTING

	Possible cause	Trouble
Remedy Exit from the Pattern programming mode when this problem occurs. NOTE: Be sure to press the "SAMPLE" Percussion Key (SAMPLE) percussion Key (SAMPLE)	"SAMPLE" Percussion Key (SAMPLE) programming. J	Sample sound plays con- tinuously when played on Pattern programming.
ple sounds in Rhythm Pattern. When the problem described at left occurs, stop the RHYTHM track and exit from the programming mode. NOTE: When programming patterns, press Pattern Keys only after stopping rhythm.	ВНУТНМ РАТТЕЯИ, BASS PATTERN or CHORD PATTERN key pressed during Auto-Rhythm fill-in.	Bass and chord sound con- tinuously or do not sound at all after Pattern Program Key is pressed.



07•

San

San

4H•

N S

Mel.

Сис

Cas

20

701

ldΠ

u-8

67

ЗK

emory function:

inoitonut function:

men inemony



CARE OF YOUR KEYBOARD

Please observe the following precautions to assure safety and reliability.

KEEP IT CLEAN

Clean the keyboard with a soft cloth dampened with detergetherer use paint thinner, benzene or other solvents.

IN CASE OF MALFUNCTION ...

In the event that your keyboard does not function properly, chewhether connections are made correctly, and that the unit is plied with power (are batteries dead?). If the unit still does work, contact the original retailer or local Casio dealer. Never tempt to repair the unit yourself.

KEEP THIS MANUAL

Store this manual in a safe place for future reference.

LOCATION

To avoid malfunction, do not use this unit in the following locations for extended periods of time:

- In direct sunlight
- Exposed to extremes of temperature or humidity.
- In sandy or dusty places.

POWER SUPPLY

Use only with rated voltage. Also, to help prevent noise and degraded sound quality, avoid using the same outlet as other equipment — particularly household appliances.

HANDLE GENTLY

Do not drop the unit, as strong shocks will definitely cause malfunctions. Also, sliders and keys are designed to operate with a light touch. Excessive force may cause damage.

SPECIFICATIONS

	Loop setting
,	Sampling rate: 10.113 KHz (Sampling), 10.113 KHz (Sampling long) Sampling time: 0.81 sec. (Sampling), 1.62 sec. (Sampling long)
:noitonut gnildme	Ahlythm pattern, Bass pattern, Chord pattren, Sampling rhythm Sampling rate: 10 113 KHz (Sampling) 46 449
allern memory function:	2 Memory banks (2 bars + fill-in pattern (1 bar) each
wocilon: Muli-channel memory	Chord memory: 159 chord MAX. Melody 1: 2024 notes MAX. Melody 2 (Sampling): 1024 notes
inoitonut function:	Casio chord ON/OFF, Fingered
.m/1չ/փ:	20 Rock 1, 8 Beat 1, 16 Beat 2, Disco 1, Pops 1, Swing, Slow rock, Samba, Bossa nova, Waltz, Rock 2, 8 Beat 2, 16 Beat 2, Disco 2, Pops 2, Funk, Reggae, Salsa, Beguine, March
	Upper tones: 16 Piano, Vibraphone, Celesta, Jazz organ, Pipe organ, Trumpet, Flute, Violin, Elec. guitar, Funky clavi., Synth. ens., Synth. sound, Conga (Sample 1 (Sample 4 (PCM))), Piano (Sample 4 (PCM))), Vibraphone (Sample 3 (PCM)), Horn (Sample 4 (PCM))) Lower tones: 10 Piano, Vibraphone, Celesta, Jazz organ, Pipe organ, Trumpet, Elec. guitar, Punky clavi., Synth. ens., Synth. sound
Freset tones:	Upper tones: 16 Piano, Vibraphone Celesta lozz crees 5:
Solyphonic:	9ton-8
Mumber of keys:	49 кеуs
y oqej:	SK-2100

CHANGING TH CORD OR ATT. TRIC SHOCK, :DNINHAW

.... move the con relocate the c in edition the remeasures: and on, the user interference to rais no guarantee th to provide reason: ing device in accor television receptic that is, in strict ac This equipment 9 GUIDELINES LA

circuits. bing the com

is available from 004-000-00345-4. Commission help! ditional suggestion If necessary, the L

SPECIFICATIONS

Standard accessories:	6"D" size batteries, Dust cover, Music stand	
Weight:	6.4 Kg (14.1 lbs) including batteries	
Dimensions:	980(W)×27\$(D)×94(H)mm (38 ⁹ /1°1′×1°1/³1°1′°1′°1′°1′°1′°1′°1′°1′°1′°1′°1′°1′°1′	
Power consumption:	W 0.6	
Auto power off function:	6 minutes after last operation	4
Built-in speakers:	12 cm dia. x2 (output: 2W + 2W)	
Tuning control:	±50 cents (±1/4 tone)	
Terminals:	Line out: Output impedance 3 Ktl. Output voltage 1.0 V (RMS) MAX Phones × 1 Foot volume × 1 Mic: Input impedance 10 ktl. Input sensitivity 4 mV Line in: Input impedance 10 ktl. Input sensitivity 100 mV	

*Design and specifications are subject to change without notice.

TRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. CORD OR ATTACHMENT PLUG, OR BOTH. TO REDUCE THE RISK OF FIRE OR ELEC-CHANGING THE VOLTAGE SELECTOR MAY REQUIRE THE USE OF A DIFFERENT LINE :DNINRAW

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A.

and on, the user is encouraged to try to correct the interference by one or more of the following interference to radio or television reception, which can be determined by turning the equipment off is no guarantee that interference will not occur in a particular installation. If this equipment does cause to provide reasonable protection against such interference in a residential installation. However, there ing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed television reception. It has been type tested and found to comply with the limits for a Class B computthat is, in strict accordance with the manufacturer's instructions, may cause interference to radio and This equipment generates and uses radio frequency energy and if not installed and used properly,

.... reorient the receiving antenna

..... relocate the computer with respect to the receiver

..... move the computer away from the receiver

is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet ditional suggestions. The user may find the following booklet prepared by the Federal Communications If necessary, the user should consult the dealer or an experienced radio/television technician for ad-..... plug the computer into a different outlet so that computer and receiver are on different branch

CASIO[®]

negel ni bəfining (AF 8020 FFA2

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com