



SGP-151G SGP-151U

OPERATOR'S MANUAL



samick 

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page

NOTICE TO THE USER

This Instrument contains circuitry which operates in the radio frequency range. It has been type tested for radio frequency emissions and has been found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC rules.

These rules are designed to provide reasonable protection against interference to radio and television reception 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 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 the receiving antenna for radio or television ;
- Relocate the instrument with respect to the radio or television ;
- Move the instrument away from the radio or television ;
- Plug the instrument's power cord into a different outlet so that the instrument and the radio or television are on different branch circuits.

PREFACE

Welcome as a player entering into a Digital Piano SGP-151G/U. This Operations Manual was designed for you in a view of two points :

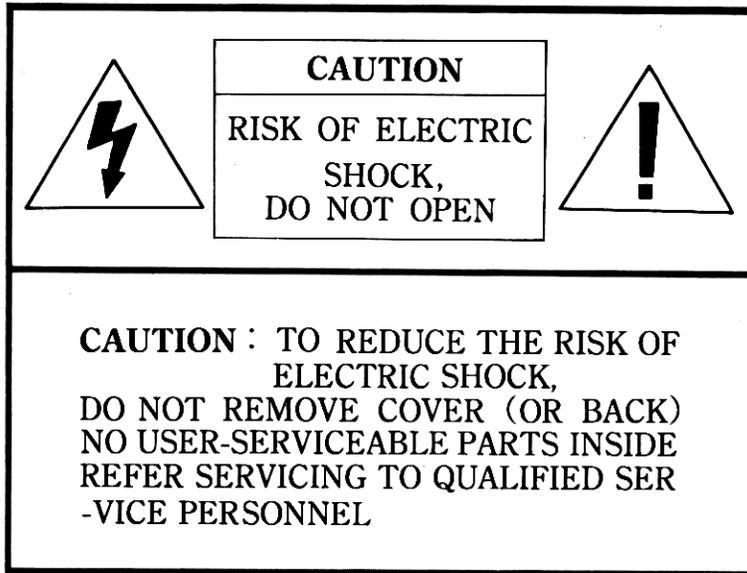
—Let you be familiar with the operation of the Digital Piano SGP-151G/U, and

—Quickly offer you the excitement at its zenith from your new digital piano.

Before you go to play the piano, We insist you read this manual thoroughly. Specific attention should be given to “Section 2—Safety & Precautions.” Also included in this manual are some simple trouble-shooting instructions to assist you should you experience any minor operation problems.

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INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "DANGEROUS VOLTAGE" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



SAVE THESE INSTRUCTIONS

IMPORTANT GROUNDING NOTICE

This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER—Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

SAVE THIS INSTRUCTIONS

1. FEATURES

The dimensional sound of a concert grand performance fills your home with musical sensitivity that Samick digital piano builds into the world's most advanced digital keyboard instruments. The Samick digital piano series features incredibly accurate reproduction of acoustic piano sounds with the control and nuance of the traditional grand piano.

The Samick digital piano applied magic for the arts with E-mu Systems, Inc.

The Samick digital piano instruments further advance the piano's capability by including not only digitally generated spinet and grand piano voicing, but includes organ and honky tonk voices plus modern electric piano and vibraphone sounds that fill acoustic spaces with the rich stereo sound that Samick digital piano is famous for. The result is that these instruments perform superbly in classical music, yet offer built-in modern sounds for pop and jazz performances.

The professional sounding rhythm section includes traditional rhythms—waltz, march, swing, etc., as well as today's 16-beat, funk and more.

The Samick digital pianos feature a host of computerized functions that make it both convenient to operate and great fun to play.

The Samick digital pianos feature weighted key actions that are specially balanced to duplicate the expressive qualities of the traditional acoustic piano. The instruments are fully touch-sensitive, equipped with soft, sostenuto and sustain pedals and are educator approved for learning and performance use.

The design and features of the Samick digital pianos make them the most versatile instruments for the home available today. The Samick digital pianos are permanently tuned at the factory and provide the ability to practice in private with stereo headphones. From the piano student to the working professional, the Samick pianos bring the future into your home today!

- The piano-touch 88 keys and 3 pedals offer you the same feeling as an acoustic piano.
- 32 voice polyphony(16 stereo)
- The keyboard can be split at the full range.
- Overall transpose is adjusted in the range of + or - 9 half-tones, and overall tune of + or - 99 cents.
- The rhythm tempo has an adjustable range from 40 to 255.
- 32 Performance Sounds and Instrumental Sounds and 16 Rhythm patterns.
- Soft pedal is function variables.(Intro / Ending, Fill-in, Start / Stop)
- MIDI connectors(IN / OUT / THRU) enable the SGP-151G / U to interface with other MIDI equipments.
- Line-In and Line-Out enable that the SGP-151G / U is connected to the mixers, power amplifiers, or audio recorders.
- The Reverb control(Room, Small Room, Stage, Hall, Delay1, Delay2) provide a special sound effect.
- Mic Jack allows you to enjoy singing when you are playing the piano.
- 2 stereo headphone jacks allow you to enjoy playing for yourself without disturbing others.

2. SAFETY AND PRECAUTIONS

IMPORTANT SAFETY INSTRUCTIONS

WARNING – When using electric products, basic precautions should always be followed, including the following :

1. Read all the instructions before using the product.
2. To reduce the risk of injury, close supervision is necessary when a product is used near children.
3. DO NOT use this product near the water—for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
4. This product should be used only with a cart or stand that is recommended by the manufacturer.
5. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. DO NOT operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
6. The product should be located so that its location or position does not interfere with its proper ventilation.
7. This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
8. The product should be connected to a power supply only of the type described in the operation instructions or as marked on the product.
9. This product may be equipped with a polarized line plug(one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet.
DO NOT defeat the safety purpose of the plug.
10. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
11. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
12. The products should be serviced by qualified service personnel when :
 - A. The power-supply cord or the plug has been damaged ; or
 - B. Objects have fallen, or liquid has been spilled into the product ; or
 - C. The product has been exposed to rain ; or
 - D. The product does not appear to operate normally or exhibits a marked change in performance ; or
 - E. The product has been dropped, or the enclosure damaged.
13. DO NOT attempt to service the product beyond that described in the Trouble Shooting instructions. All other servicing should be referred to qualified service personnel.
14. This product must be grounded. Please read notice below on grounding.

3. TROUBLE SHOOTING INSTRUCTIONS

Should your SGP-151G/U fail to operate properly, check these few simple points before calling a service technician :

- **NO SOUND IS GENERATED.**

- CAUSE

- a. The Master Volume control is set to the minimum position.
- b. The headphone is connected.

- WHAT TO DO

- a. Set the Master Volume control to the correct setting.
- b. Unplug the headphone from the phonejack.

- **UNFAMILIAR NOISE**

- CAUSE

- a. Noise caused by other electronic equipment, i.e., refrigerators or microwaves

- WHAT TO DO

- a. Plug the power supply cord into another electrical outlet.

- **RADIO AND TELEVISION INTERFERENCE**

- CAUSE

- a. Television broadcasting or a radio station located nearby.
- b. Headphone or Line-Out plug is not completely plugged into the jack.

- WHAT TO DO

- a. Relocate the position of the instrument. For example, if the instrument is located on an outside wall next to a window, move it away from the window. If the problem persists, call your local Samick dealer's authorized technician.
- b. Remove the plug

- **If the piano is connected to an external amplifier and there is no sound or the instrument is not function properly.**

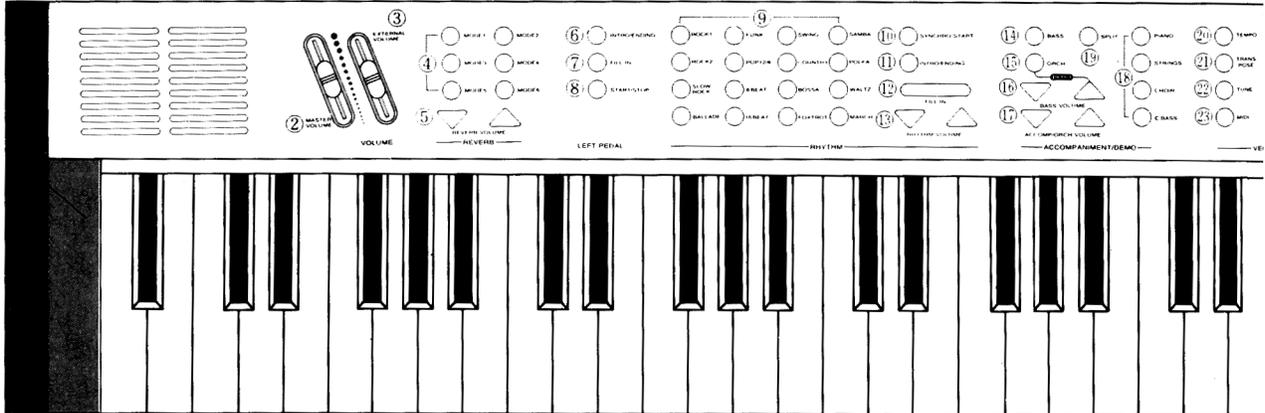
- CAUSE

- a. The Volume control is set at the minimum level.
- b. The cord connected to the amplifier is defective.

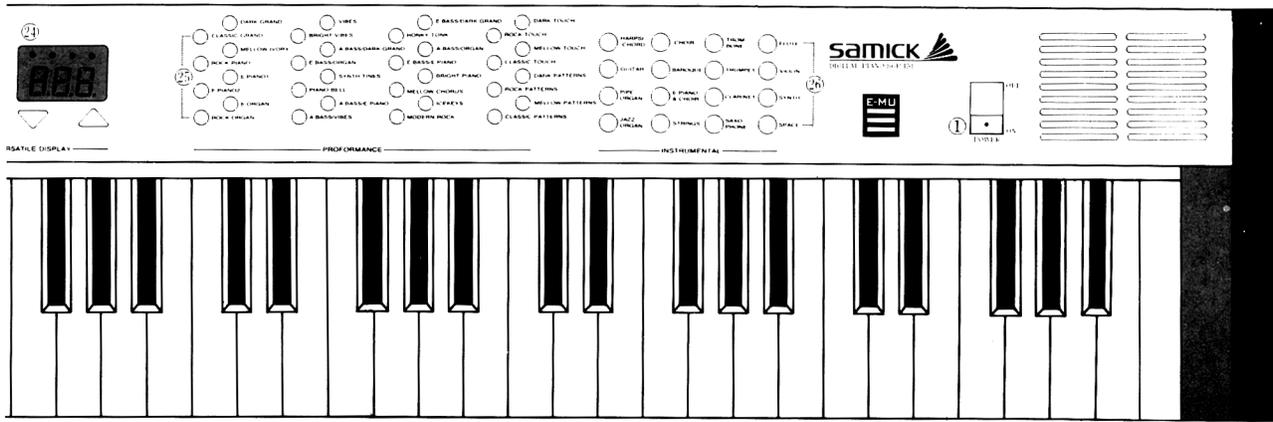
- WHAT TO DO

- a. Set the Volume control to the correct setting.
- b. Replace the defective cord.

4. CONTROL FUNCTIONS



1. **POWER**
This switch turns the instrument on and off.
Be sure to turn off the instrument when finished playing.
2. **MASTER VOLUME**
Controls the overall volume.
Slide the control up to increase the volume and down to decrease it.
3. **EXTERNAL VOLUME**
Controls the external sound modules volume.
When you use the external sound modules, you can control the external sound modules volume.
4. **REVERB**
These add REVERB(echo) effect to the sound for greater beauty.
5. **REVERB VOLUME**
Used to adjust the volume of the REVERB section.
6. **INTRO / ENDING (LEFT PEDAL)**
When it's on, left pedal is used to start play with a short introductory bar, or to end it with a short ending bar of music.
7. **FILL IN (LEFT PEDAL)**
When it's on, left pedal is used to prolong the play of a particular pattern.
When depressed once, it will add FILL-IN to one bar of music.
8. **START / STOP (LEFT PEDAL)**
When it's on, left pedal is used to start or stop rhythm.
9. **RHYTHM SELECTOR**
Used to select the desired rhythm by depressing the appropriate switch.
10. **SYNCHRO START**
When it's on, rhythm, bass and orchestration start synchronously by the depressing of lower part's key.
11. **INTRO / ENDING**
Used to start play with a short introductory bar, or to end it with a short ending bar of music.
12. **FILL-IN**
Used to prolong the play of a particular pattern.
When depressed once, it will add FILL-IN to one bar of music.
13. **RHYTHM VOLUME**
Used to adjust the volume of the RHYTHM Section.



14. BASS

It provides the suitable BASS sounds to the selected rhythm.
When it's on, keyboard is automatically splitted at F₃# / G₃.

15. ORCH

It provides the suitable Orchestral sounds to the selected rhythm.
When it's on, Keyboard is automatically splitted at F₃# / G₃.

16. BASS VOLUME

Used to control the volume of the BASS.

17. ACCOMP / ORCH VOLUME

Used to control the volume of the accompaniment and orchestral sounds.

18. ACCOMPANIMENT SOUND SELECTORS

Used to select one among the 4 accompaniment sounds by depressing the desired button.

When it's on, accompaniment sound is played at the lower part of keyboard.

19. SPLIT

When you depress the SPLIT button, the LED indication will be signified.

And if you depress the any keyboard, then the keyboard is splitted at all parts.

20. TEMPO

Used to control the tempo of the rhythm.

21. TRANSPOSE

Allows you to play a key-transposed song easily by moving the sounds up or down in pitch.

22. TUNE

Slightly raises or lowers the pitch of the entire piano within a range of +99 or -99 cent.

You can tune to other instruments that are not tuned to standard pitch.

23. MIDI

Used to control the MIDI function.

24. PARAMETER ADJUSTMENT

Used to control the tempo, transpose, tune, and MIDI functions.

25. PROFORMANCE SOUND SELECTORS

Used to select one among the 32 kinds of PROFORMANCE sound by depressing the desired button.

26. INSTRUMENTAL SOUND SELECTORS

Used to select one among the 16 kinds of instrumental sound by depressing the desired button.

5. PIANO OPERATION

Turn the power switch ON and wait about 3 seconds.

During this time, the instrument will do initial setting and testing and the output sound will be muted.

When the power switch is turned on, MODE 1, ROCK 1, TEMPO and CLASSIC - PIANO are automatically selected and '145' on the Versatile Display represents the tempo of the selected rhythm, ROCK 1.

1. VOLUME

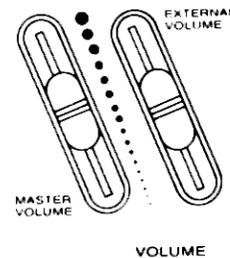
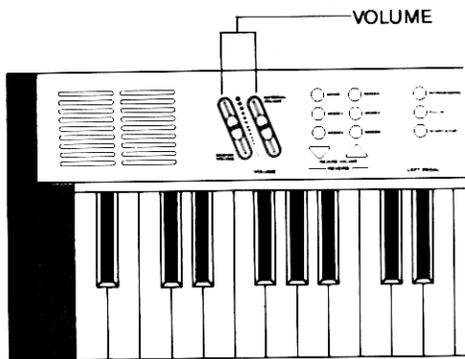
The larger dot means the louder sound.

(A) MASTER VOLUME

The master volume slide controls the overall volume level.

(B) EXTERNAL VOLUME

The external volume slider controls the external sound modules volume level.



2. REVERB

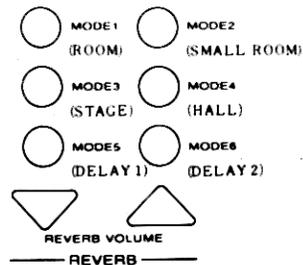
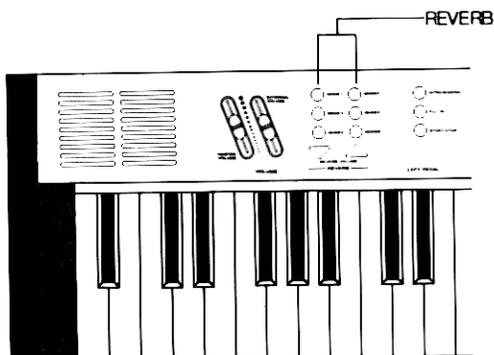
Reverb stands for reverberation gives depth to the sound and makes you feel the spaciousness of the Room, Small Room, Stage, Hall and gives the effects of Delay 1 and Delay 2.

There add REVERB (ECHO) effect to the sound for greater beauty.

If you do not want the reverb effect, depress the selected button again.

And you can adjust the Reverb volume level using the reverb volume.

When the Instrument is turn on, the Reverb volume is assigned to 40.

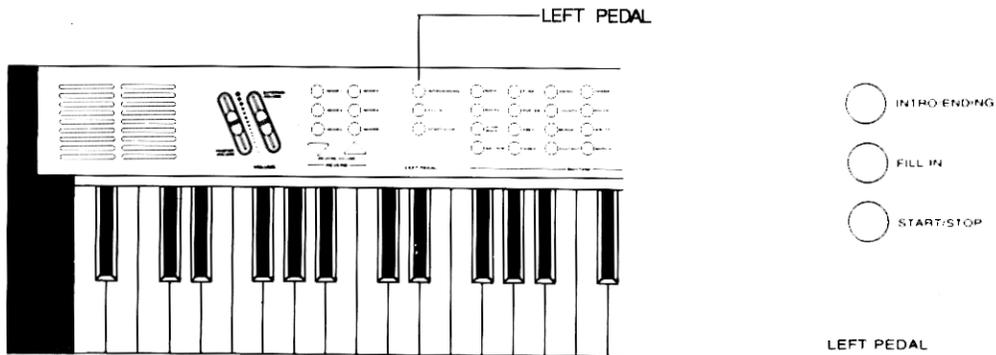


3. PEDAL FUNCTIONS

The left pedal can be used to do the Intro / Ending, Fill-In, or Start / Stop function, in addition to the traditional Soft Pedal function.

When one of the 3 button is depressed, the corresponding unique LED indication will signify that the left pedal is to do the Intro / Ending, Fill-In, or Start / Stop function for rhythm.

Depressing again the button with LED indication restores the soft function of the left pedal, signified by no LED indication.



4. RHYTHM

(A) SYNCHRO START

It is not easy for the play at the first stage to play the keyboard musical instrument, doing melody with his right hand and, synchronously, accompaniment with other left hand.

However, with the synchro start, even the rudimentary player can do the musical instrument with only one hand by the orchestral arrangement going with each rhythm. If you depressed the Synchro Start button, the LED indication will signify, that it is ready to start the rhythm and the BASS or Orchestral arrangement.

Then, depressing one key or chord in the lower keyboard, starts the rhythm and the BASS or Orchestral arrangement sound from the first beat.

The LED indication automatically goes off after start of the RHYTHM and the BASS or Orchestral arrangement.

It there is no BASS or Orchestral Arrangement indication, you can not start the rhythm with Synchro Start.

Depressing the Synchro Start button in the play stops the rhythm, BASS and Orchestral arrangement, with the LED indicator on.

When you want to go out of the Synchro start ready state, depress the Synchro start button again and can see the LED indication off.

(B) INTRO / ENDING

In 16 kinds of the rhythm, Intro and Ending pattern are set up in their own way.

If you depress the Intro/Ending button in the state of no play, the rhythm and /or accompaniment starts with the INTRO pattern.

During the play, depressing the Intro/Ending button stops the rhythm and/or the BASS and Orchestral arrangement following the Ending pattern.

In the Synchro Start ready state, Intro/Ending button can not start the Rhythm.

(C) FILL-IN

During the play, depressing the Fill-In button puts the Fill-In pattern (a kind of Variation pattern) in the normal rhythm.

The 16 kinds of rhythm have their Fill-In pattern these are different from each other.

When the rhythm is stopped, depressing the Fill-In button starts the rhythm by the Fill-In

(D) RHYTHM VOLUME

You can control the volume level of the rhythm.

The volume is changed in the range of 0 (min) to 99 (max), when you depress the volume button.

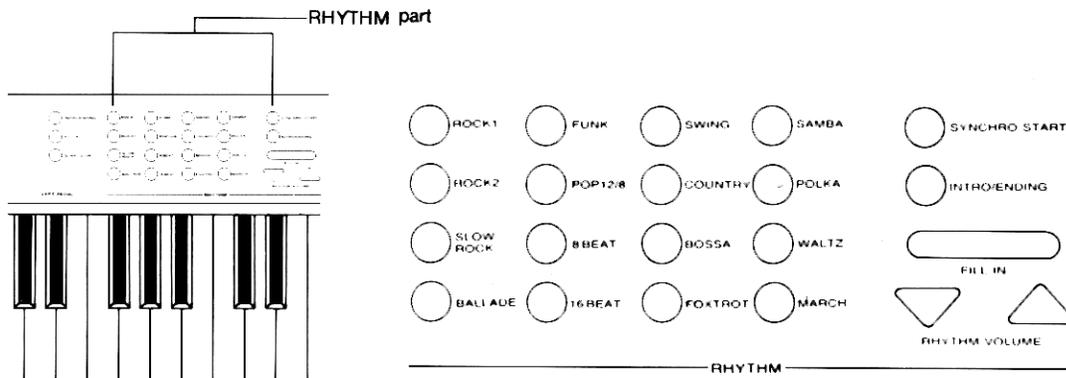
Up or Down, then the Versatile Display indicates the volume value about 1 second.

The default value is 50 when you turn the power switch on.

(E) RHYTHM SELECT

There are 16 kinds of preset pattern set up in SGP-151G/U.

When the power switch is turned on, the 'ROCK 1' pattern is automatically selected, with the ROCK 1 indicator on.



5. TIMBRES

(A) BASS

It provides the suitable BASS sounds to the selected rhythm. When it's on, keyboard is automatically splitted at F# / G. If you depress the button again, there becomes no bass arrangements.

(B) Orchestral arrangements

If you depress the Orchestral Arrangement button, the LED indication will signify that the Orchestral Arrangements goes with rhythm. If you depress the button again, there becomes no Orchestral Arrangements.

If you turn Orchestral Arrangement on, the keyboard is automatically splited at F₃ # and G₃. You cannot have the Synchro Start function without the Bass or Orchestral Arrangement indication.

(C) Bass Volume

You can control the volume of the bass arrangement sound continually from 0 to 99 by depressing the bass volume button, Up or Down. The default value is 40 when the power swith is turned on.

(D) Accomp / Orch Volume

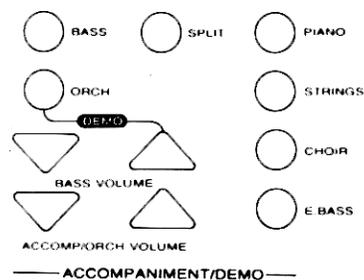
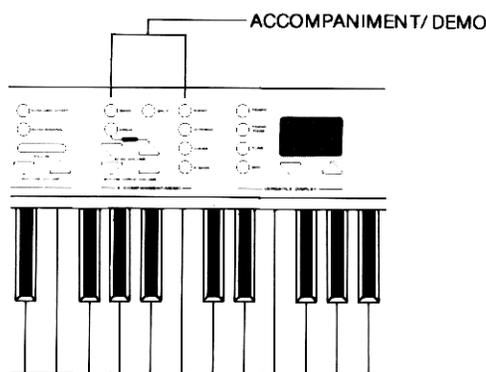
You can control the volume of the accompaniment sound or orchestral arrangement sound continually from 0 to 99 by depressing the Accomp / Orch Volume button, Up or Down. The default value is 50 when the power switch is turned on.

(E) SPLIT

When you depress the SPLIT button, the LED indication will be signified. And if you depress the any keyboard, then the keyboard is splited at all parts. Even if there is no Bass or Orchestral Arrangements indication, the keyboard is automatically splited at all parts.

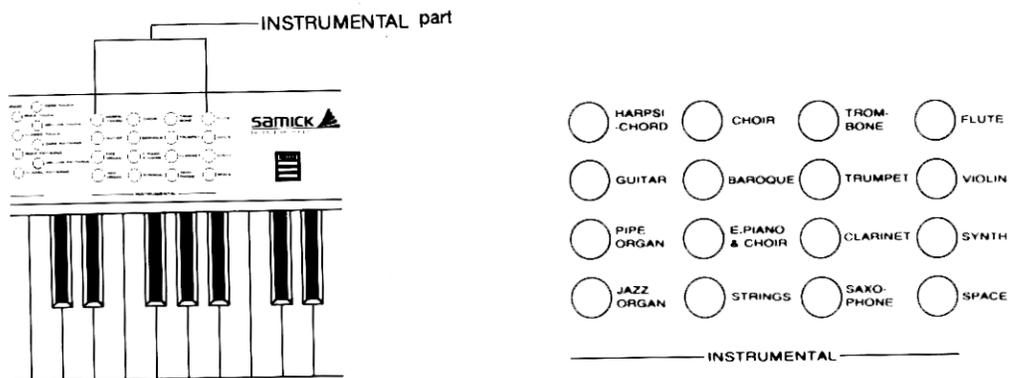
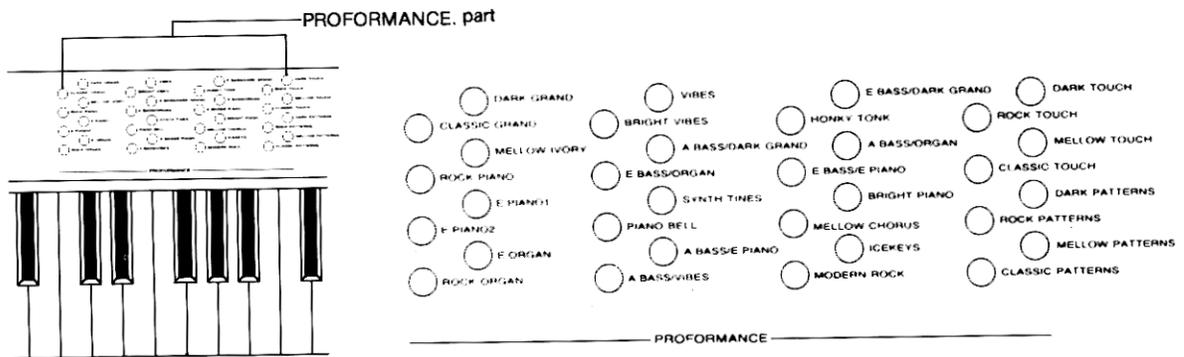
(F) Accompaniment sound select

There are 4 kinds of Accompaniment sound in SGP-151G/U. The LED indication signifies that the one selected sound generates the corresponding sound in the lower part of the keyboard. Depressing again the button of the selected sound turns off the LED indication to signify that the sound is no more selected. When bass or orchestral arrangement is selected, accompaniment sound is indicativated.



6. PERFORMANCE and INSTRUMENTAL sound Select

There are 24 kinds of Performance and 16 kinds of Instrumental sound in SGP-151G/U. You can select freely the musical instrument as you want, simply depressing the corresponding button during the play. Grand Piano is automatically selected when the power switch is turned on.



PROFORMANCE PRESETS

• PRESETS

1. Dark Grand	Medium touch sensitivity and dynamic tonal response, perfect for solo pieces.
2. Classic Grand	Medium touch sensitivity and brighter overall tone make this piano ideal for ensembles or concertos.
3. Mellow Ivory	Medium touch sensitivity and overall dark tone creates very soft moods and textures.
4. Rock Piano	Medium touch sensitivity and bright timbres allow the piano to cut through a mix without EQ.

5. Warm Electric Piano	A rich dark sound, great for solo playing.
6. Studio Electric Piano	A lighter electric piano sound.
7. Electric Organ	This is a straight Hammond B3 sample.
8. Rock Organ	This organ has a full, rich sound.
9. Straight Vibes	Vibraphone samples with velocity-to-mallet, and tremolo on the modulation wheel.
10. Bright Vibes	Vibes plus digital waveforms, mod. wheel tremolo.
11. Acoustic Bass / Piano	Split preset.
12. Electric Bass / Organ	Split preset.
13. Synth Tines	An 8-voice digital Electric Piano
14. Piano Bell	An 8-voice, electronic synth keyboard patch.
15. Acou. Bass / Elec. Piano	Split preset.
16. Acoustic Bass / Vibes	Split preset.
17. Electric Bass / Piano	Split preset.
18. Honky Tonk	Very detuned and bright, good for ragtime.
19. Acoustic Bass / Organ	Split preset.
20. Elec.Bass / Elec.Piano	Split preset.
21. Exceptionally Bright Piano	Lots of high frequency.
22. Mellow Chorus	Same as preset #3, detuned.
23. Ice Keys	High harmonic digital waveforms. An 8-voice sound.
24. Modern Rock	A bright, slightly detuned piano.
25. Dark Touch	Same as preset #1, but with more touch sensitivity.
26. Rock Touch	Same as preset #4, but with more touch sensitivity.
27. Mellow Touch	Same as preset #3, but with more touch sensitivity.
28. Classic Touch	Same as preset #2, but with more touch sensitivity.
29. Dark Patterns	Same as preset #1, but with less touch sensitivity.
30. Rock Patterns	Same as preset #4, but with less touch sensitivity.
31. Mellow Patterns	Same as preset #3, but with less touch sensitivity.
32. Classic Patterns	Same as preset #2, but with less touch sensitivity.

7. TEMPO

When the Tempo button depressed, the Tempo indicator will signify that 'Tempo' is on and all the other three, transpose. Tune, MIDI are off, and you can control the tempo of the rhythm with the Parameter Adjustment button, Up or Down.

(A) You can control the tempo of the rhythm from 40 to 255.

The tempo value set by Parameter Adjust button is indicated on the Versatile Display.

(B) Whenever you depress the Down button, the tempo value is decreased and Up button increase the tempo.

Pressing and holding down the Up or Down button does the continual change of tempo.

(C) When a rhythm is selected newly, it has the initial tempo.

If you change the rhythm during the play, the former tempo value is neglected and it becomes new state corresponding to the selected rhythm.

8. TRANSPOSE

When the transpose button is depressed, the LED indicator will signify that only 'Transpose' is on and the Versatile Display indicates the current transpose state in the unit of half-tones.

You can change the pitch level of the notes from -9 to +9 half-tones by depressing the Parameter Adjustment button, Up or Down.

9. TUNE

Depressing the Tune button makes the unique TUNE indication and the Versatile Display to indicated the tune state in the unit of 'cent' in the range of -99 to +99. When the Versatile Display indicates 0, the pitch of the A₄ key has the frequency of 442Hz.

10. MIDI

When the MIDI button is depressed, the LED indicator will signify that only MIDI setting mode is on and leftmost(1st) one of the best is on. Which means Transmission Channel mode. Depressing the MIDI button again, shifts the LED indication to the second one of the best, Reception Channel mode, and then, the last on, Control Change mode. Regardless of the beat indication, pressing Tempo, Tune, or Transpose button, changes the display to the other corresponding function.

(A) Transmission Channel mode (T.B I)

You can increase or decrease the Transmission Channel number by depressing the Parameter Adjustment button, Up or Down, when the LED indication signifies that the MIDI function and Transmisson Channel mode is both on.

The right-hand 2 digit on the Versatile Display shows the channel number.

Each channel message is allocated to one of 16 channels as set in the Transmission Channel mode.

(B) Reception Channel mode (r.B I)

Liked in the Transmission Channel mode, the Reception channel number is increased or decreased whenever the Parameter Adjustment button, Up or Down, is depressed. Each channel can be played by each other voice or musical instrument.

(C) Local Control On/Off mode (L.O I)

The 3rd Beat LED in the Versatile Display means Local Control. In the Reception Channel mode, depress the MIDI button again, and the mode is in the Local Control, now. Normally, the mode of the Local Control is ON when the power is turned on. If you want to change the mode to OFF, depress the Parameter Adjustment button, Down, and you will be in the Local Control OFF mode.

Depress the Parameter Adjustment button, Up, if you want to return to the Local Control ON mode. Normally, a MIDI keyboard such as an electronic piano generates sound when the keyboard is depressed. This is because the keyboard and the internal sound module are connected(this is Local On condition).

However, in some types of keyboards, the keyboard and the internal sound module can be disconnected (this is Local Off condition).

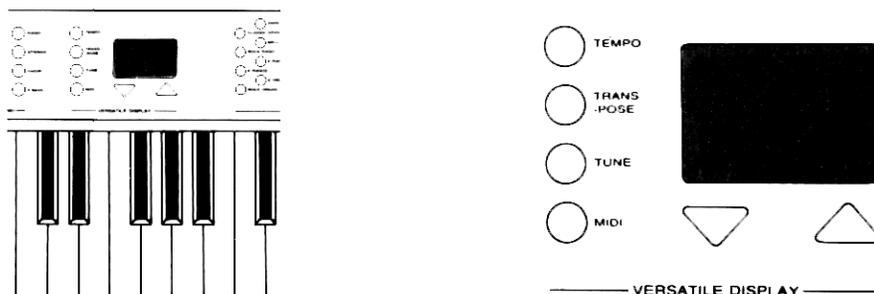
When the unit is set to Local Off, performance messages from the keyboard are only output from the MIDI OUT, therefore, the internal sound module is controlled only by the messages received through the MIDI IN.

(D) Control Change / Pitch Bender Reception mode ([])

You can change the state whether or not your musical instrument receive the Control Change such as Pitch Bend, Mod Wheel, Volume, and After Touch.

If you want to receive the Control Change, depress the Parameter Adjustment button, Up, and you can see the indication ON on the Versatile Display.

If you do not, depress the button, Down, and check the indication OFF on the Versatile Display.

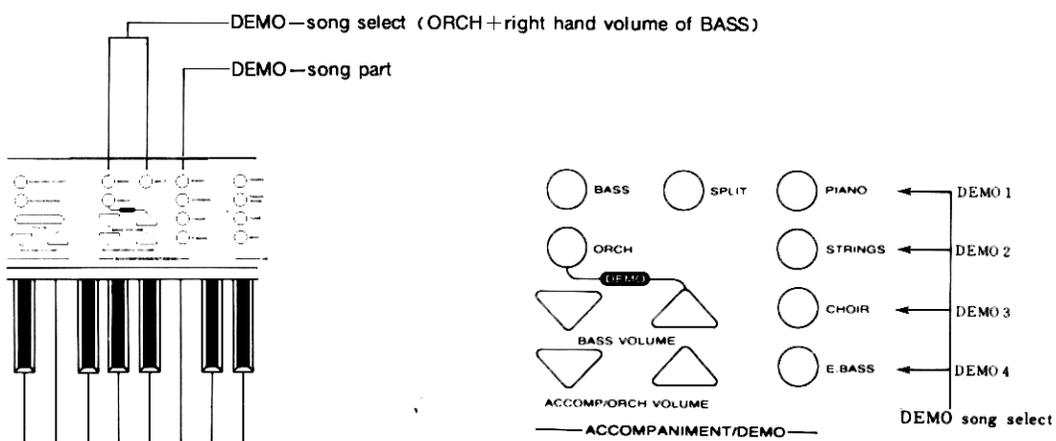


11. DEMO

SGP-151G/U. has 4 Demonstration song.

Depress the right-hand volume of the BASS while depressing the ORCH button simultaneously. Then 4 LED indications of the Accompaniment sound will blink.

Select one among 4 indications, and the desired Demo song will be played. If you want to stop the Demo, depress the ORCH button.



6. CHORDS

A) Major Chords

C	
C [♯] (D [♭])	
D	
E [♭] (D [♯])	
E	
F	
F [♯] (G [♭])	
G	
A [♭] (G [♯])	
A	
B [♭] (A [♯])	
B	

B) Minor Chords

Cm	
C [♯] m (D [♭] m)	
Dm	
E [♭] m (D [♯] m)	
Em	
Fm	
F [♯] m (G [♭] m)	
Gm	
A [♭] m (G [♯] m)	
Am	
B [♭] m (A [♯] m)	
Bm	

C) Seventh Chords

C7		F [♯] 7 (G [♭] 7)	
C [♯] 7 (D [♯] 7)		G7	
D7		A [♭] 7 (G [♯] 7)	
E [♭] 7 (D [♯] 7)		A7	
E7		B [♭] 7 (A [♯] 7)	
F7		B7	

D) Diminished Chords

Cdim	
C [♯] dim (D [♯] dim)	
Ddim	
E [♯] dim (D [♯] dim)	
Edim	
Fdim	
F [♯] dim (G [♯] dim)	
Gdim	
A [♯] dim (G [♯] dim)	
Adim	
B [♯] dim (A [♯] dim)	
Bdim	

E) Augmented Chords

Caug	
C [♯] (D [♯]) aug	
Daug	
E [♯] (D [♯]) aug	
Eaug	
Faug	
F [♯] (G [♯]) aug	
Gaug	
A [♯] (G [♯]) aug	
Aaug	
B [♯] (A [♯]) aug	
Baug	

7. AUXILIARY INPUT AND OUTPUT PORTS

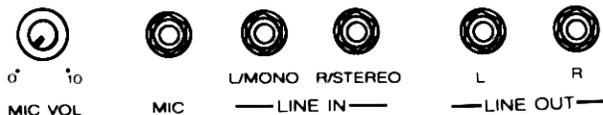
1) PHONES

Two 1/4" stereo jack are provided for standard low impedance stereo headphones. Inserting a plug into the jack cancels the internal speakers. This feature permits you to play the instrument in complete privacy.



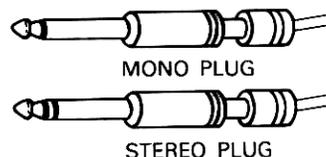
2) MICROPHONE

This Microphone jack allows you to enjoy singing while playing this instrument. Insert the plug of Microphone and adjust the Mic volume to appropriate level.



3) LINE IN(L/MONO, R/STEREO)

Line-In is provided for use when you are using a combination of other musical instruments. Before connecting Line-In, set the volume of the amplifier at the minimum level. If a stereo sound is desired, connect both the monoral L and R plugs to the other instruments, or insert the stereo plug to the R/STEREO jack of this instrument. If a monoral sound is desired, insert the plug to the L/MONO jack of this instrument.



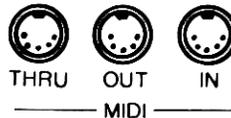
NOTE : If you do not want the internal speaker to function, plug the headphone into the phonejack.

4) LINE OUT(L, R)

Two 1/4" monoral jack are provided for stereo signal output to an external equipment (amplifiers, mixers, recoders, etc). Before connecting the cable, set the volume of the amplifier at the minimum level. If a stereo sound is desired, insert both the L and R plug into external instrument.

5) MIDI(IN/OUT/THRU)

These connectors permit the SGP-151G / U to be interfaced with other MIDI equipped instruments or a personal computer. MIDI is an acronym standing for Musical Instrument Digital Interface which is standard interface for connecting keyboards and other devices. Your instrument is equipped with MIDI jacks (IN/OUT/THRU), thus enabling connection to another instrument equipped with MIDI jacks for synchronized performances or to a personal computer that would permit the use of such software programs as multi-track recording or music printing.



6) PEDALS

(a) Sustain Pedal

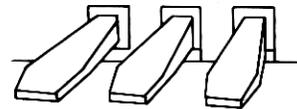
The length of time the "Sustain" pedal is depressed determines the length of sustain. However, some voice(i.e., piano) have a preset sustain characteristic. When the Sustain pedal is depressed, you will get a sustained voice(as if holding the sustain off on an acoustic piano).

(b) Sostenuto Pedal

The Sostenuto Pedal allows you to play some notes with a sustained sound while others are not sustained. Notes played prior depressing the Sostenuto pedal are sustained after the keys are released ; while those played after depressing the pedal are not sustained.

(c) Soft Pedal

The use of the Soft pedal allows you to produce a soft tender voice. In the case of the Intro / Ending or Start / Stop indication of the Function Pedals, the Sostenuto pedal is used for the Intro / Ending or Start / Stop function of rhythm.



(Soft) (Sostenuto) (Sustain)

8. PROGRAM CHANGES

Program Change #Received / Transmitted				
PROFORMANCE section				
2-5	Dark Grand	Classic Grand	Mellow Ivory	Rock Piano
6-9	E. Piano 1	E. Piano 2	E. Organ	Rock Organ
10-13	Vibes	Bright Vibes	A.Bass / Dark - Grand	E.Bass / Organ
14-17	Synth Tines	Piano Bell	A.Bass / E.Piano	A.Bass / Vibes
18-21	E.Bass / Dark - Grand	Honky Tonk	A.Bass / Organ	E.Bass / E.Piano
22-25	Bright Piano	Mellow Chorus	Ice Key	Modern Rock
26-29	Dark Touch	Rock Touch	Mellow Touch	Classic Touch
30-33	Dark Patterns	Rock Patterns	Mellow Patterns	Classic Patterns
INSTRUMENTAL section				
34-37	Harpichord	Guitar	Pipe Organ	Jazz Organ
38-41	Choir	Baroque	E.Piano & Choir	Strings
42-45	Trombone	Trumpet	Clarinet	Saxophone
46-49	Flute	Violin	Synth	Space
RHYTHM section				
66-69	Rock 1	Funk	Rock 2	Pop12 / 8
70-73	Slow Rock	8 Beat	Ballade	16 Beat
74-77	Swing	Samba	Country	Polka
78-81	Bossa	Waltz	Foxtrot	March
ACCOMPANIMENT section				
52-55	Piano	Strings	Choir	E.Bass
VERSATILE DISPLAY section				
110-113	Tempo	Transpose	Tune	MIDI
102	Soft Pedal to Soft (Normal)			
103	Soft Pedal to START / STOP			
104	Soft Pedal to FILL IN			
105	Soft Pedal to INTRO / ENDING			
114	Bass ON			
107	Orchestration ON			
109	Synchro Start ON			

9. MIDI IMPLEMENTATION CHART

Function		Transmitted	Recorgnized	Remarks
Basic Channel	Default Message	1 1~16	1 1~16	
Mode	: Default : Message	x OMNI ON / OFF	3 OMNI ON / OFF	Modes 1,3,MONO ignored
Note Number	: True : Voice	21~108	21~108	
Velocity	: Note ON : Note OFF	o o	o x	
After Touch	: Key's : Ch's	x x	x x	
Control Change	1	x	*	Modulation Wheel
	6	o	*	Data entry
	7	x	*	Volume Control
	16	o	*	Bass volume
	17	o	*	Orch volume
	18	o	*	Accomp volume
	64	o	*	Sustain Pedal
	66	o	*	Sostenuto Pedal
	67	o	*	Soft Pedal
	70	x	*	Split
79	x	*	Reset all	
96, 97	x	*	Data increment, Decrement	
100, 101	(1)	*(0, 1)	RPCL, RPCH**	
124, 125	o	*	OMNI ON, OFF	
Program Change		o	o	See seperate sheet
Pitch Wheel		x	*	: Right hand poly Solo
Aux Message	: Local ON / OFF : All notes OFF	x x	x x	Messages 124, 125 performs all note OFF
Sysyem Exclusive		x	x	
System Realtime	: Clock : Commamds	o o	o o	
NOTES		*: Controls and pitch bend may be disabled / enabled from front panel **: RPCH** 128+RPCL=Registered Parameter Numbers : #0=Pitch wheel sensitivity (receive only) #1=Master fine tune (receive &transmit)		

Mode 1 : OMNI ON, POLY	Mode 2 : OMNI ON, MONO
Mode 3 : OMNI OFF, POLY	Mode 4 : OMNI OFF, MONO

O : Yes
X : No

10. SPECIFICATIONS

Keyboard		88 keys(A ₀ —C ₈)
Tone Generator		16-Bit Linear PCM stereo Piano Sound Data Encoding
Polyphony		32Polyphony(16Stereo)
TIMBRES	32 Proformance Sounds	Dark Grand, Classic Grand, Mellow Ivory, Rock Piano, E.Piano1, E.Piano2, E.Organ, Rock Organ, Vibes, Bright Vibes, A.Bass / Dark Grand, E.Bass / Organ, Synth Tines, Piano Bell, A.Bass / E.Piano, A.Bass / Vibes, E.Bass / Dark Grand, Honky Tonk, A.Bass / Organ, E.Bass / E.Piano, Bright Piano, Mellow Chorus, Ice Keys, Modern Rock, Dark Touch, Rock Touch, Mellow Touch, Classic Touch, Dark Patterns, Rock Patterns, Mellow Patterns, Classic Patterns
	16 Instrumental Sounds	Harpichord, Guitar, Pipe Organ, Jazz Organ, Choir, Baroque, E.Piano & Choir, Strings, Trombone, Trumpet, Clarinet, Saxophone, Flute, Violin, Synth, Space
	4 Accompaniment Sounds	Piano, Strings, Choir, E.Bass
	Control	Accompaniment / Orchestration Volume
RHYTHM	16 Rhythm Patterns	Rock1, Rock2, Slow Rock, Ballad, Funk, Pop12 / 8, 8Beat, 16Beat, Swing, Country, Bossanova, Foxtrot, Samba, Polka, Waltz, March
	Controls	Synchro Start, Intro / Ending, Fill-In, Rhythm Volume, Tempo, Tempo Display, Beat LED, Left Pedal(Intro / Ending, Fill-In, Start / Stop)
Controls		Tempo, Transpose, Tune, Pedal Funtion, Master Volume, Split
Other		External Module Volume
Reverb		Model(Reverb : Room), Mode2(Reverb : SmallRoom), Mode3(Reverb : Stage), Mode4(Hall), Mode5(Delay1), Mode6(Delay2)
Conecting Jacks		Line In(left / right), LINE Out(left / right), Pedal Jack, Mic Input, Headphone, MIDI IN, MIDI OUT, MIDI THRU
Pedal		3Pedal(Sustain, Sostenuto, Soft) Left is funtion variable
Speakers	SGP-151G	10inches×1 + 6.5 inches×1 + 3inches×2
	SGP-151U	6.5inches×2, 3inches×2
Output		25w + 25w
Dimensions	SGP-151G	140 / 92 / 86(W / D / H cm), 55 / 36 / 34(W / D / H inches)
	SGP-151U	136 / 52 / 80.5(W / D / H cm), 54 / 20 / 32(W / D / H inches)
Weight	SGP-151G	86kg
	SGP-151U	77kg
Demo		4
Finish	SGP-151G	Ebony, Ivory, White
	SGP-151U	Ivory

● Dimensional characteristics are subject to change without notice to user.