

keyboard percussion (up to 32 drumbeats) can be played on the Percussion Panel and automatically recorded. Placing keyboard keystrokes into the percussion piece will add blank drumbeats. When the program memory is full, 'FUL' appears on the display.

Pressing the [PROG] button again during programming will exit this feature and clear the recorded drumbeats.

Pressing [Play] will stop the recording and play the recorded percussion piece.

During playback the [Tempo +/-] button and [Fingered], [Single] buttons may be used to adjust the tempo and add chord accompaniment.

Pressing the [Stop/Start] button will end playback and clear the recording.

● Record

Press the [REC] button, 'rEC' appears on the display and a short piece of keyboard note (up to 32 notes) can be played on the keyboard and automatically recorded. When the record memory is full, 'FUL' appears on the display.

Pressing the [REC] button again during recording will exit this feature and clear the recorded notes.

Pressing [;Play] will stop the recording and play the recorded rhythm.

Pressing the [Start/Stop] button will end playback and clear the recording.

VII. Key Light and Intelligent Teaching Function

● Record and play back with backlit learning white keys

Press the [Key Light] button to active the key light function. Press the [Record] button and record the notes (refer to Section VI). After recording, press the [Play] button, all the recorded notes can be played with backlit learning white keys.

● One Key

Press the [One Key] button and the One-Key teaching function is ready, choose a demo song by number buttons or the [+/-] buttons, then the system will light all the keys of the melody notes in time. Any note key, even the wrong one, can proceed the whole melody, which can make the learner focus on the right beat. Finishing the whole song the system will repeat it again if there is no other choices.

Press the [One Key] button again or the [Start/Stop] button, the function quits.

● Follow

Press the [Follow] button and the 'follow' teaching function is ready, choose a demo song by number buttons or the [+/-] buttons, then the system will light all the keys of the melody notes in time, which can lead the learner to hit the right keys. When there is a mistake, the melody of the demo song can not go on until it is corrected.

Press the [Follow] button or the [Start/Stop] button again, the function quits.

D-109



54 KEYS TEACHING-TYPE ELECTRONIC KEYBOARD

OWNER'S MANUAL

PLEASE READ THE USER MANUAL CAREFULLY BEFORE CONNECTING OR OPERATING THE INSTRUMENT,SAVE IT FOR FUTURE REFERENCE.

Precautions

Please read them carefully before you use the instrument.

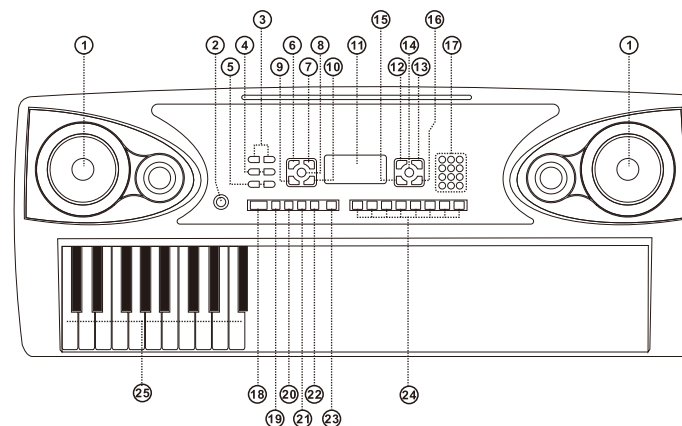
Warning!

- Use the specified power adapter, and immediately replace damaged adapter if any.
- Do not disassemble the instrument, nor modify internal parts. If it malfunctions, discontinue the use immediately and have it repaired by professional serviceman.
- Before connecting the instrument to other devices, turn off all the power supplies.
- Do not play the instrument at the maximum volume or to an uncomfortable extent for a long time.
- Keep the parts of the instrument off heat source, for overheat may cause damage.
- Prevent liquid, dust, particles and other foreign matters from entering the instrument to cause corrosion of the instrument or short-circuit of its components.
- Pull the plug before cleaning the instrument. Do not insert or pull the plug with wet hands.
- Use dry and soft cloth to clean the instrument. Do not use paint, alcohol or other chemical solvents to wipe the instrument so as to avoid damage to the instrument surface.
- Turn off the power supply and pull the plug after playing or in no-service condition for a long time.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Maximum Operating Temperature: 40°C
- Direct plug-in adaptor is used as disconnect device, the disconnect device shall remain readily operable.
- Do not install this equipment in a confined space such as a book case or similar unit, and remain a well ventilation conditions.. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table-cloths, curtains etc.
-  Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.
- Warning: Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Caution: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Warning: Excessive sound pressure from earphones and headphones can cause hearing loss.
- The label location is on the bottom of the apparatus.

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I. Illustration of the Panel Controls



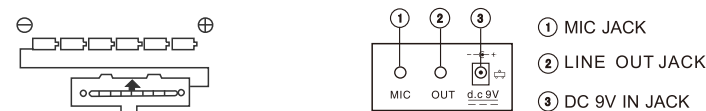
- | | | | |
|-----------------|-------------------|------------------|--------------------|
| ① Speaker | ⑧ Sustain/Vibrato | ⑮ Timbre | ②② Fingered Chord |
| ② Power ON/OFF | ⑨ Demo One | ⑯ Rhythm | ②③ Key Light |
| ③ Master Volume | ⑩ Demo All | ⑰ Number buttons | ②④ Percussion Keys |
| ④ Accom Volume | ⑪ LED Display | ⑱ Start/Stop | ②⑤ Chord Keyboard |
| ⑤ Tempo | ⑫ PROG | ⑲ Sync | |
| ⑥ One Key | ⑬ Record | ⑳ Fill-In | |
| ⑦ Follow | ⑭ Play | ㉑ Single Chord | |

II. Preparation for Performance

● Using battery power supply

The player will not operate on battery power when the AC/DC adaptor is connected.

Remove the cover of the battery compartment on the underside of the keyboard and insert six pieces of 1.5V "D" size batteries (not included) into the battery compartment following the indications (+/-) inside the compartment. Replace the cover.



Note: when the voltage of the batteries drops down and the instrument cannot perform naturally, the batteries should be replaced in time. If the instrument is left unused for a long time, the batteries should be taken out to avoid causing damage. Do not mix up new and old or different types of batteries together. Keep batteries out of children's reach. Please observe the local regulations regarding the disposal of exhausted batteries.

● Using AC/DC Power Supply Adaptor

The AC/DC power supply adaptor must be the one designated for the instrument. Before connecting the AC/DC adaptor to the wall outlet, ensure that all other connections have been made. Insert the small round plug firmly into the "DC 9V IN" jack on rear of instrument and then insert the other end into an available AC wall outlet (Please notice the input voltage should be the same as that of the power network).

● Using MIC

Insert the supplied microphone into the MIC jack, then you can sing along with the music.

● Connecting headphones or external keyboard amplifier

Plug in the headphones (not included) with a stereo mini-jack 3.5mm plug to the "LINE OUT" jack for private listening.

You can also use this feature to output the instrument's audio signal to keyboard amplifier. Connect the "LINE OUT" jack to the "LINE IN" or "AUX IN" jack on the keyboard amplifier with a LINE OUT cable (not included).

Notes:

- A. When headphones or amplifier is connected, the main speakers will be automatically turned off.
- B. Be sure that the instrument is set at a low volume level before connecting.
- C. Increase the volume gradually for comfortable listening.
- D. Headphones, a keyboard amplifier, or stereo equipment can be connected to this terminal. When another apparatus is connected to this terminal, the speaker system is automatically switched off, and sound is heard only through the connected device.
- E. Always refer to the instruction manual of the amplifier for complete connection and usage details.

III. Basic Method of Performance

Press the [POWER] switch with the LED display showing the present tempo at 120. In this state, any operation on the instrument works.

● Key Light

There is a key light function in the instrument. The corresponding white keys will shine when there is keystrokes on the white key during the performance, the teaching function, and the playing of the demo songs. The function is on when the instrument is power on, and it can be started or quit by pressing the [Key Light] button.

This button turns on the "backlit learning white keys" function.

This function can be used with One key or Following key using the 16 demo songs or in playing back your own recordings. Refer to Section VII.

● Volume Adjustment

Press the [MASTER VOL +/-] to increase or decrease the master volume to an appropriate level. The volume value is shown on the display. Press both buttons at the same time to reset to the preset level. The [ACCOM +/-] button works in the same way as the [MASTER VOL +/-] does. Press ACCOM +/- to increase or decrease the accompanied volume.

● Demonstration Songs

There are 16 demonstration songs stored in memory. The [DEMO ONE] is in charge of playing the present demonstration song repeatedly, while the [DEMO ALL] button is in charge of playing all the demo songs successively. In the state of the [DEMO ONE] or [DEMO ALL], pressing either of the buttons for the second time can stop the present song, and the third time can get into the next song.

The 16 demo songs can be used with the backlit learning white key function. Refer to Section VII.

● Selection of Timbre

There are 100 kinds of timbres in the system, ranging from "00" to "99". The target timbre can be picked out by pressing the [TIMBRE] buttons first then the [+/-] buttons or the number buttons.

● Effect Control

Press the [SUSTAIN/VIBRATO] button for the first time with "S-1" appearing on the display, then the sound of the keystrokes takes on a sustain effect.

Press the [SUSTAIN/VIBRATO] button for the second time with "U-1" appearing on the display, the sound of the keystrokes takes on a vibrato effect.

Press the [SUSTAIN/VIBRATO] button for the third time with "S-U" appearing on the display, the sound of the keystrokes takes on a sustain and vibrato effect.

Press the [SUSTAIN/VIBRATO] button for the fourth time with "OFF" appearing on the display, the function quits, the timbre of the instrument turns normal.

● Percussion

There are 8 percussion keys on the panel. Press panel percussions and the related percussion can be reached.

IV. Auto-Rhythm

● Rhythm Selection

There are 100 pieces of rhythm can be chosen from, ranging from "00" to "99". The target rhythm can be picked out by pressing the [RHYTHM] buttons first, and then use the number buttons or press [+/-] buttons to input a rhythm number. Press the [START/STOP] button to start or stop the selected rhythm pattern.

● Rhythm Control

With the synchronized start feature, the rhythm pattern begins to play when you press a key on the keyboard. Press the [SYNC] button, three twinkling dots appears on the LED display and any keystroke on the chord keyboard (19 keys on the left part of the keyboard) can make the performance and the accompaniment rhythm go on at the same time.

Press the [FILL-IN] button and a variation pattern can be inserted during the rhythm performance. By pressing the [FILL-IN] button firmly, the present piece of variation can be repeated. When the [RHYTHM] button is out of charge, applying the [FILL-IN] button can start a piece of variation. Then a piece of rhythm will be inserted.

● Tempo Adjustment

The tempo of the rhythm pattern can be adjusted with the TEMPO buttons. Press [TEMPO +] for a faster tempo, and [TEMPO -] for a slower tempo. The tempo is shown on the display. Press both buttons at the same time to reset the tempo to the original tempo 120 beats/min. The preset tempo is 120 beats/min.

● Accompaniment Volume Adjustment

Press the [Accom Vol+]/[Accom Vol-], the accompaniment volume can be increased or decreased. Apply the both at the same time, the accompaniment volume turns back to the preset one, stage 15.

V. Auto-Bass Chord

Simply playing a chord on the keyboard, the Auto-Bass Chord function automatically plays an accompaniment pattern which matches the selected rhythm perfectly. With a real accompaniment as a background, you can concentrate on playing the melody.

When the [RHYTHM] button is out of the charge, the manual chord is on; while in the charge of the [RHYTHM] button, the auto-chord is on, and the auto-chord accompaniment can be performed on the chord keyboard with the Single or fingered scales.

● Single-finger Chord

Press the [Single] button with 'C-1' appearing on the LED display, the single-finger chord can be performed on the chord keyboard (the 19 keys on the left part of the keyboard) with the single-finger scales.

Single-finger Chord Scales



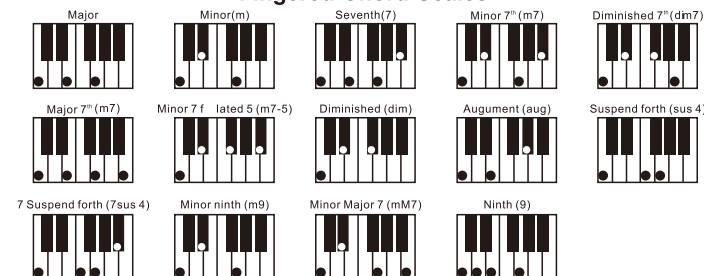
Press the [Single] button again with 'OFF' appearing on the LED display, the single-finger chord function quits.

● Fingered Chord

Press the [Fingered] button with 'C-2' appearing on the display, the fingered chord can be performed on the chord keyboard (the 19 keys on the left part of the keyboard) with the fingered scales.

Press the [Fingered] button again with 'OFF' appearing on the display, the fingered chord function quits.

Fingered Chord Scales



VI. Program and Record

● Program

Press the [PROG] button, 'Prg' appears on the display and a short piece of