Micro Grand Digital Piano

Owner's Manual

GALAXY®

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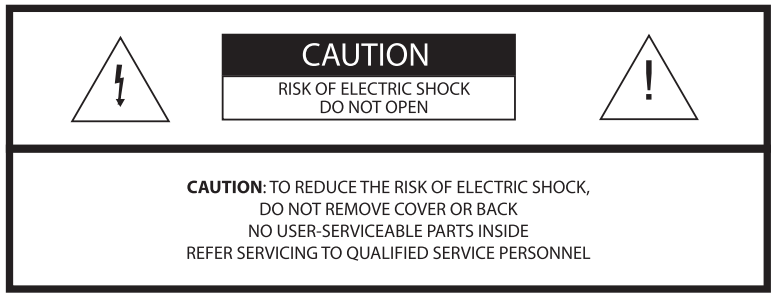
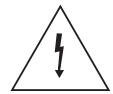
General Precautions



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

The lightning fash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated or “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 operation and maintenance or servicing instructions.

1. CAUTION: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

2. Note: This equipment has been tested and found to comply with the limit for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a noncommercial environment. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Welcome

We would like to express our appreciation and congratulate you for purchasing this mini grand digital piano. This piano has been designed to provide you with years of musical enjoyment. State of the art electronics are combined with an elegant cabinet that will add beauty and sophistication to any home environment. Listed Below are just a few of the features that your new piano is equipped with:

- Elegant Hand Rubbed Lacquer Grand Piano Fits Any Sized Room – It's Less Than 3' Deep!
- Feature Packed Entertainment Center is Fun For the Whole Family – It's More Than Just a Piano!
- Play Hundreds of Optional Music Files. Jazz, Pop, Classical, Rock, Country & More!
- Compose and Store Your Own Songs with Built-in 3 Track Recorder
- Choose From 128 Instrument Voices Including Stereo Grand Piano and 100 Accompaniment Styles
- Advanced Graded Hammer Action Keyboard Has Authentic Acoustic Piano Touch and Feel – Teacher Recommended!
- Built-In Music Teacher with Verbal and Screen Grading
- Concert Hall Sound System Has 120 Watts of Power and 4 High Performance Speakers
- SD Memory Card Plays Pre-recorded Music – You Can Even Record Practice Sessions
- Interface Your Computer with On-Board MIDI and USB ports
- Never Needs Tuning
- Practice in Private with Headphones (optional)

You will find many more features and functions listed within this owners manual. In order to fully appreciate all the impressive features of this digital piano, please take a few minutes to read the following pages of instruction. We will cover general precautions, assembly, the function of each control button, and warranty information.

Taking Care Of Your Digital Piano

This digital piano will supply you with years of musical enjoyment if you follow the simple rules listed below.

Important Safety Instructions

Warning

When using electrical products, basic safety precautions should always be followed, including the following:

Safety

Power Source – The product should always be connected to a power supply only of the type described in the operating instructions or as marked on the product.

Periods of Non-use – The power–supply cord of the product should be unplugged from the outlet when left unused for a long period of time.

Service And Modification

This product should be serviced by qualified service personnel when,

- The power supply cord or the plug has been damaged,
- Liquid has been spattered into the unit or it has been exposed to rain,
- The instrument does not appear to operate normally or exhibits a marked change in performance.
- The instrument has been dropped or the cabinet has been damaged.
- Do not attempt to open the piano or make any change in the circuits or parts of the unit.

Handling And Transport

- Never apply excessive force to the controls, connectors or other parts of the instrument.
- Always unplug cables by gripping the plug firmly, not • by pulling on the cable.
- Disconnect all cables before moving the instrument.
- Physical shocks caused by dropping, bumping, or placing heavy objects on the instrument can result in scratches and/or more serious damage.
- Carefully check the amplifier volume control before starting to play. Excessive volume can cause permanent hearing loss.

Cleaning

- Clean the cabinet and panel with a soft nonabrasive dry cloth. This cloth should be for High Gloss Lacquer Finish Furniture. A wax based polish specifically for High Gloss Lacquer Finish Furniture may be used on the cabinet. Do not use paint thinner or petrochemical based polishes.
- To maintain the luster of the keys and buttons wipe with a clean, slightly damp cloth, and then polish with a soft dry cloth.

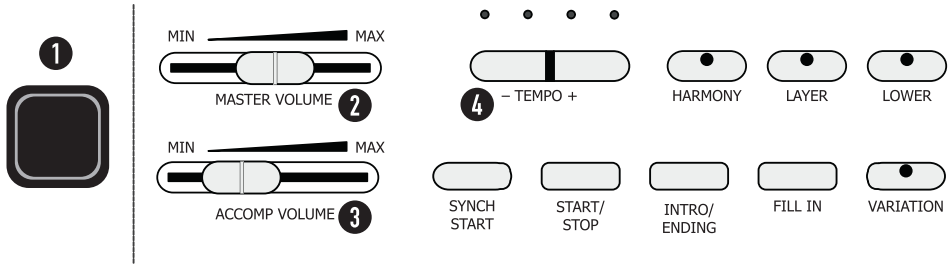
Location

- Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:
- Direct sunlight (near a window)
- High temperatures (near a heat source, outside, or near a window)
- Excessive humidity
- Excessive dust
- Strong vibration
- Leave enough space around the piano for it to be properly ventilated.
- This instrument contains digital circuitry and may cause interference if placed too close to radio or television receivers. If interference occurs, move the instrument further away from the affected equipment.
- Avoid placing vinyl objects on top of the instrument, vinyl can stick to and discolor the surface.

Power

- Turn the power switch off when the instrument is not in use.
- To avoid damage to the instrument and other devices to which it is connected, turn the power switches of all related devices off prior to connection or disconnection of MIDI cables.
- Turn the power off if the main cable is damaged or the instrument is spattered with liquid.
- Do not switch the unit on and off in quick succession, this places an undue load on the electronic components.
- Unplug the AC power cord during an electrical storm.
- Avoid plugging the AC power cord into the same AC outlet as appliances with high power consumption, such as electric heaters or refrigerators.

Panel Controls



The elegant control panel is divided into several distinct sections. The following is a brief description of all the features located on the control panel.

❶ **POWER SWITCH** — The power switch is located to the left of the keyboard. Press the button to turn the power on and off. There is an indicator light on the Floppy Disk Drive located on right front portion of the piano. This light will be lit when power is on.

Note: *When you turn the power off, do not turn it back on immediately. Wait at least five seconds to turn the power back on so that the electronic circuits can properly reset.*

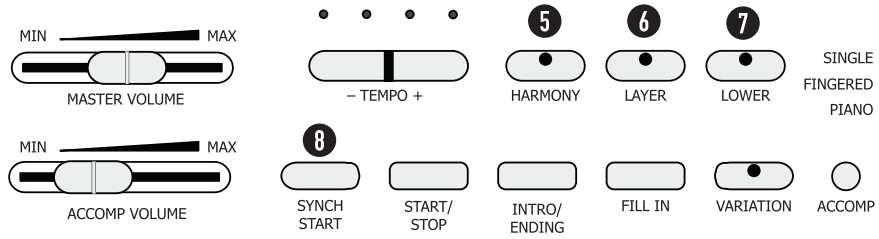
❷ **MASTER VOLUME** — Use this sliding control button to adjust the overall volume of the keyboard.

❸ **ACCOMP VOLUME** — Slide this controller to adjust the volume of the auto accompaniment only, the keyboard instrument voice will not be affected.

❹ **TEMPO** — Press one of the TEMPO buttons, the current tempo value will appear on the display. You can use the TEMPO +, TEMPO – buttons, or the +/YES and –/NO buttons to change the tempo value range from 40 to 240 bpm (beats per minute).

Press the TEMPO + or TEMPO – buttons or the +/YES and –/NO buttons simultaneously to recall the default tempo setting for the selected rhythm style. After three seconds the display will revert to the selected voice.

There is a four-dot beat indicator above the tempo buttons. It indicates the tempo and beat for the accompaniment that is playing.



❺ **HARMONY** — When selected, the single note played on the right-hand section of the keyboard will sound with additional auto harmony notes. The note played in the upper section of the piano determines the root key of the harmony. It is recommended that one note be played at a time. If more than one note is played only the highest note will add harmony.

Auto harmony is only available when the auto accompaniment is engaged.

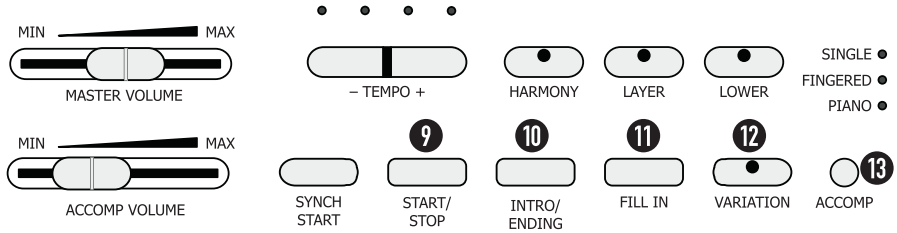
The harmony type selection is assigned in the Function menu. Use it to select the type of harmony, Duet, Close Harmony, Open Harmony, or Octave.

See the Function section for more information.

❻ **LAYER** — Engaging the LAYER button will put the keyboard in the layer, or dual, mode. Layer, or dual, refers to an additional voice that is tone mixed with the selected keyboard voice. The assigned layer voice will be heard with the oringinal voice. To select a new layered instrument voice us the +Yes or -No buttons within 4 seconds after the Layer button has been engaged.

❼ **LOWER** — With the LOWER feature engaged the keyboard operates in the split mode. In the split mode the keyboard is divided into two sections. In the right hand section the oringal or layered voice will sound, and in the left hand section a different voice can be assigned to sound when the keys are played. To select a new Lower instrument voice us the +Yes or -No buttons within 4 seconds after the Lower button has been engaged.

❽ **SYNC START** — Synchronized Start mode sets the auto accompaniment into standby mode. When the SYNC START button is pressed the indicator lights above the tempo will flash to the Tempo of the selected rhythm style. The rhythm style will start as soon as you play in the auto accompaniment section of the keyboard. The auto accompaniment will start with the first recognized chord played in the auto accompaniment section of the keyboard, depending on which fingering mode is selected. Pressing the SYNC START button again will stop the auto accompaniment and put the keyboard back on standby mode.



❾ **START/STOP** — This button starts or stops the selected rhythm style. The auto accompaniment will start with the first recognized chord played in the auto accompaniment section of the keyboard, depending on the fingering mode selected.

❿ **INTRO/ENDING** — All of the 100 rhythm styles can be started or finished with an detailed individual introduction or ending pattern.

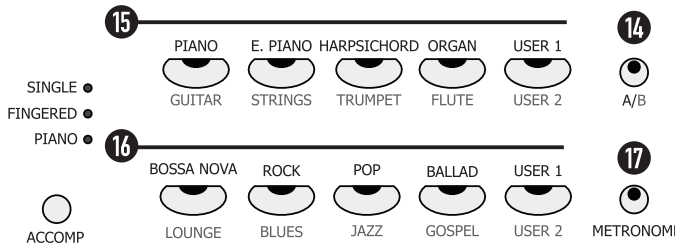
When engaged, an introduction of rhythm pattern will start followed by the main pattern. With a rhythm or accompaniment pattern already engaged the accompaniment can be professionally completed with an ending pattern from the next measure by pressing the INTRO/ENDING button. If you press the fill-in button during the ending pattern it will return to the main accompaniment pattern.

⓫ **FILL IN** — The fill-in provides the accompaniment with a short rhythm pattern of one or two measures for each style. Press the FILL IN button at any time while the accompaniment is playing to add a fill-in. If you hold down the FILL IN button, the fill-in pattern will repeat until the button is released, then the main pattern will play from the beginning of the next measure.

⓬ **VARIATION** — All of the 100 rhythm styles include a variation of that style that can be played simply by engaging the VARIATION button. Press the VARIATION button again to disengage and return to the main pattern.

⓭ **ACCOMP** — Each rhythm style has a fully orchestrated auto accompaniment pattern. These accompaniments are dedicated to the selected rhythm style, and will create rhythm, bass and chord accompaniments. The ACCOMP button selects the auto accompaniment mode. With this function engaged, the keys to the left side of the split point are the auto accompaniment section of the keyboard, while the keys to the right are available for normal playing.

The auto accompaniment fingering modes are single, fingered, piano, and off. Press the ACCOMP button until the indicator LED that corresponds to the fingering mode you desire turns on.



⓮ **A/B BUTTON** — The five quick select voice and five quick select style buttons are each assigned to a line A and line B. Press the A/B button to alternate between the two selection lines. The indicator light will be lit when selection line B is active.

Please see the quick select buttons below for more information.

⓯ **QUICK SELECT VOICE** — There are ten instrument voices that can be selected quickly by pressing one of the five voice select buttons. These voices are assigned to line A and line B. Each of these selection lines consists of five voices. The voice name in the line A is printed above the voice select button and the voice name on line B is beneath the button. Press the A/B button to select the voice line of your choice. When the indicator light is lit the B line or bottom line is active. The selected voice name and its number will be shown on the display.

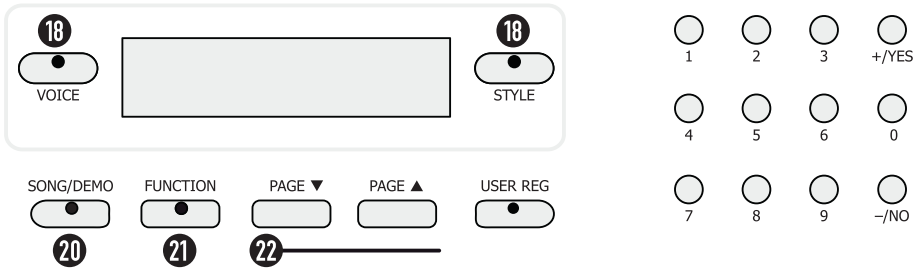
Please see the Keyboard Voices section of this manual for more information.

⓰ **QUICK SELECT STYLE BUTTONS** — There are ten Rhythm Styles that can be selected quickly by pressing one of the five Rhythm select buttons. These Rhythm Styles are assigned to line A and line B. Each of these selection lines consists of five rhtyhm styles. The Style name in the line A is printed above the Style select button and the Rhythm style name on line B is beneath the button. Press the A/B button to select the Rhythm Style line of your choice. When the indicator light is lit the B line or bottom line is active. The selected rhythm name and its number will be shown on the display.

Please see the Rhythm Styles section of this manual for more information.

⓱ **THE METRONOME** button buttonbutton — Toggles the metronome feature on and off and accesses the Metronome menu. The tempo can be increased or decreased using the TEMPO + and – buttons.

Please see the Setup section of this manual for more information.



⓲ **INSTRUMENT VOICE** — There are 128 GM (General MIDI) instrument voices, plus ten Asian folk instrument voices available on this piano. You can instantly select an instrument voice by pressing one of the voice select buttons. Or you can use the number pads to select a voice, the voice name and its number will be shown on the display. There is a complete list of all 138 voices listed in the back of the manual.

Please see the Voice section of this manual for more information.

⓳ **STYLE** — To engage one of the 100 rhythm styles, and the corresponding auto accompaniment, press one of the rhythm style buttons or press the STYLE button to engage the style selection mode. While its indicator light is lit, use the number pads to select a style, the style name and its number will be shown on the display. There is a complete list of all 100 rhythm accompaniment styles listed in the back of the manual.

Please see the Rhythm section of this manual for more information.

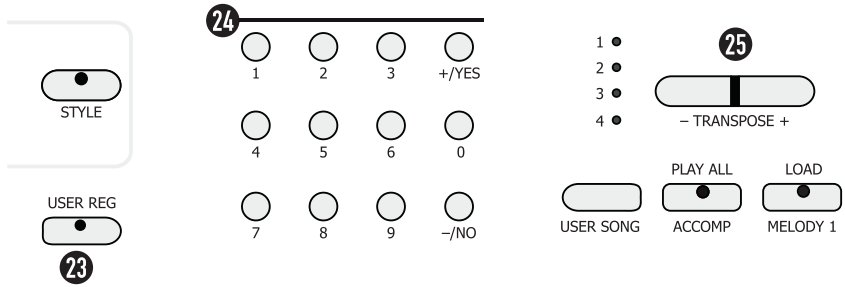
⓴ **SONG** — This “music teacher” feature can be used as an aid to learn the 50 songs built into this piano. The SONG button turns the music teacher function on and off.

Please see the Training section of this manual for more information.

㉑ **FUNCTION** — The FUNCTION button is used to access the function menu. The function menu can be used to adjust or change the parameters of a number of settings. Metronome settings, reverb level, chorus level, touch, split point for voice, auto accompaniment split point, tuning, drum kit selection and the auto harmony type are all set from the function menu.

Please see the Function section of this manual for more information.

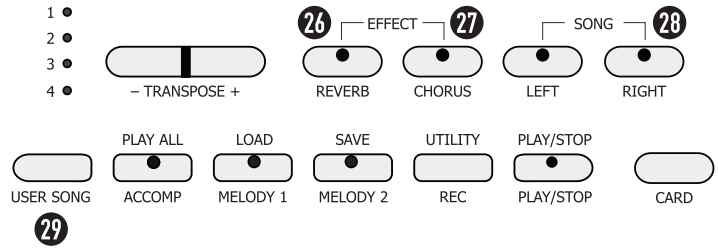
㉒ **PAGE** — The PAGE buttons (up and down) are used to access the different menus in the Function feature. When the FUNCTION button has been pressed use the PAGE ▲ and PAGE ▼ to access the Function menu selections.



㉓ **USER REG** — Registration is used to store keyboard settings. Press the USER REG button to engage the registration memory mode, the indicator will light up. Press one of the numeric buttons 1-9, the stored setting will be recalled instantly. Please see the Registration Memory section of the manual for more information.

㉔ **NUMERIC PAD** — Use the +/YES, –/NO or the numeric pad to input numbers directly while using the voice, style or function settings. These buttons are also used to access or alter many of the function features or where ever numerical input is necessary.

㉕ **TRANSPOSE** — The transpose feature can shift the pitch of the keyboard up or down in semitone intervals up to a maximum of 24 semitones. Press one of the TRANSPOSE buttons, the current transpose value will appear on the display. Use the TRANSPOSE + or TRANSPOSE – buttons to set the transpose value range from –12, one octave lower, to 12, one octave higher. Press the + and – value buttons simultaneously to recall the default value of 0. After three seconds the display will return to the currently selected instrument voice. Transpose does not affect notes that are currently playing. Transpose does not affect the keyboard percussion.



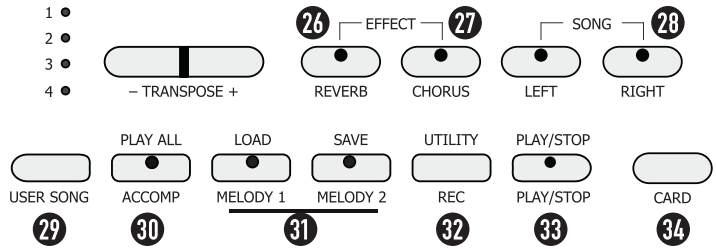
㉖ **REVERB** — The reverb effect is engaged automatically when the power is turned on. Reverb simulates the effect of playing in a big room or hall where the sound reverberates off the walls and ceiling. Press the REVERB button to turn off the reverb effect.

You can switch the reverb feature on and off by pressing the REVERB button. The reverb setting does not affect the auto accompaniment. Reverb depth can be changed in the function menu “Reverb Level”. Please see the Function Section for more information.

㉗ **CHORUS** — The Chorus effect adds depth and spaciousness to the selected keyboard voice. Press the CHORUS button to engage the chorus effect and the indicator will light up. Press the button again to turn off the chorus effect. The chorus setting does not affect the auto accompaniment. Chorus depth can be changed in the function menu “Chorus Level”. Please see the Function Section for more information.

㉘ **SONG LEFT, SONG RIGHT** — These buttons are used in conjunction with the SONG button. It allows the player to play along with the prerecorded traditional songs contain within this piano. The LEFT button will play the right hand of the selected song, so tht the user can practice the Left Hand portion of the song. The RIGHT button will play the Left Hand of the selected song, so that the user can practice the Right Hand portion of the song. When engaging the LEFT and RIGHT buttons simultaneously only the accompaniment (if available) will be heard as the user should play both the Left and Right portions of the selected song. Please see the Play Along Song section of this manual for more information.

㉙ **USER SONG** — The USER SONG button accesses one of the four available song settings for recording or playback. Use the +/YES, –/NO buttons to select the song you wish, if there is recorded information on any of the three tracks their indicator lights will light up. Please see the Record section of this manual for more information.



㉚ **ACCOMP** — The ACCOMP button is used to select the auto accompaniment track of a song for recording or playback.

Please see the Record section of this manual for more information.

㉛ **MELODY 1 , MELODY 2** — There are two tracks for recording melody, which are assigned by the MELODY 1 and MELODY 2 buttons.

Please see the Record section of this manual for more information.

㉜ **REC** — This unit is able to record four songs, each with a 3-track sequencer. It will record all note events and the accompaniment patterns exactly as they are performed. This recorded information is nonvolatile and therefore will not be lost when the power is turned off.
To Record press and hold down the RECORD button then press the track button(s) you want to record in. Recording begins as soon as you start to play on any section of the keyboard.

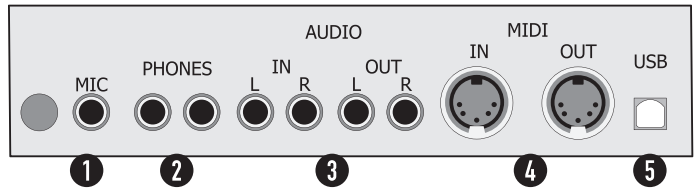
Press the RECORD button again to stop recording.

Please see the record section of the manual for more information.

㉝ **PLAY/STOP** — Press the PLAY/STOP button to hear selected tracks that you have recorded on. Press the PLAY/STOP button again to stop the playback.
Please see the Record section of this manual for more information.

㉞ **CARD** — Press the CARD button to engage the SD memory card function.
Please see the Card section of this manual for more information.

Connector Panel



This connector panel, with its various jacks, is located on the bottom left of the piano, under the keybed.

❶ **MICROPHONE INPUT** — The Microphone Input is for use of the microphone.

❷ **PHONE 1 / PHONE 2** — You can play in total silence, without disturbing others in the room, by plugging a set of headphones into one of the appropriate sockets. When headphones are plugged into either of these jacks the main speaker system is turned off. Two sets of headphones may be used simultaneously.

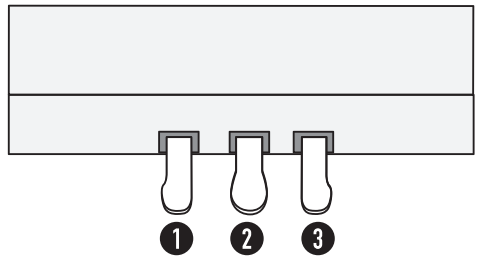
❸ **AUDIO IN** — These stereo audio input jacks will amplify the supplied signal through the internal sound delivery system. They can be used to hook up items such as CD players, MP3 player or Cassette player.

AUDIO OUT — These stereo audio output jacks supplies the piano's output signal to external amplification, such as home stereo, PA system or other stand alone amplifiers.

❹ **MIDI IN / MIDI OUT** — This piano contains MIDI in and MIDI output ports. MIDI jacks allow communication with other products equipped with MIDI interfaces. Please see the MIDI section of this manual for further details.

❺ **USB** — The USB connector allows you to connect the piano directly to your computer's USB port. This allows you to update your piano's software if necessary. Do not turn on the piano with the USB cable connected to the computer to avoid having to restart your computer. It can connected without driver installation under the Windows XP, Windows Vista and MAC OSX environment. The piano will be recognized as USB Audio device to receive and transmit MIDI messages.

Piano Pedals



❶ **SOFT PEDAL** — When the left pedal is engaged the piano volume is reduced and the timbre slightly altered on the notes that are played.

❷ **FUNCTION PEDAL** — This center pedal can be used to trigger various events, such as START/STOP and Fill In. Pedal function is assigned in the setup menu, “Pedal Assign”.

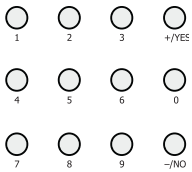
Please see the Setup section of this manual for more information.

❸ **SUSTAIN PEDAL** — When the right pedal is engaged the piano keys will continue to sustain as they are played. Thereby the piano note will decay gradually) as if you were continuing to hold down the piano keys.

Demo

Playing The Demo Songs — This piano has twelve different demonstration songs that are designed to showcase the different sampled voices that are available. The display will show the song number with a “d” prefix. When playing all the songs, “ALL” will appear on the display initially, and will change to the demo song number as it plays. After exiting the demonstration mode the display will revert to its initial data.

1. Play All Demo Songs – Press the SONG/DEMO button. The first demo song will playback instantly. This unit has twelve demo songs. All songs will play repeatedly until you press the DEMO button again to stop the demonstration.



2. Play A Single Demo Song - Use the +/YES or the –/NO buttons to change songs while the demo is playing, or enter a song number directly by using the numeric pad. Please note that two digits are required for selecting a song number, for example, to select song No. 9 enter “09”. The song will play repeatedly until you press the demo button again to stop.

There are 50 songs for the musical training course that can also be played back for demonstration.

Please see the Training section of this manual for more information.

Keyboard Voices

Voice Selection — There are 128 GM voices in 16 groups plus 10 Asian ethnic folk instrument voices. There is a complete list of all 138 voices in the back of the manual.

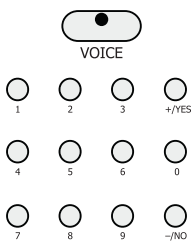
Quick Select

There are ten voices that can be selected quickly by pressing one of the five voice select buttons. These voices are assigned to Instrument Line A and Instrument Line B. Each Line consists of five voices. The voice name in Line A is printed above the voice select button and the voice name in Line B is beneath the button.

1. Press the A/B button to select a voice kit. Selection of the Instrument Lines will alternate when the A/B button is pressed repeatedly. The indicator will be lit when Line B is selected.

2. Press the voice select button that corresponds to the desired voice in the Instrument Line you have selected. The voice name and its number will show on the display.

Selecting One Of The 138 Voices



1. If the Instrument Voice Button is not already lit press the VOICE button to engage the voice selection mode, the indicator will turn on.
2. Use the numeric pad or the +/YES, –/NO buttons to select a voice number.

Please Note: *When using the number pads, you must enter three digits to select a voice number from 001-138. For example, to select voice No. 2 you must enter "002". The voice name and its number will show on the display. Please refer to the back of the manual for a list of all available voices.*

User Defined Quick Selection Button

You can assign a favorite voice to the voice quick select button in the follow manner.

1. Select the desired voice by using the numeric pad or the +/YES, –/NO buttons. Please refer to Selecting one of the 138 Voices.
2. Press and hold the VOICE button.
3. Press, don't hold, the voice USER button, USER 1 from Line A, or USER 2 from Line B. The currently selected voice will be assigned to this button to be available for quick selection. Please Note:the USER button will revert to the default setting when the power is turned off (USER 1=007:Harpsichord, USER 2=039:Synth Brass1).

Layer (Dual) Voice

Layer, or dual, refers to an additional voice that is tone mixed with the selected keyboard voice. The assigned layer voice will be heard with the original voice when the layer feature is engaged.

1. Press the LAYER button, the currently assigned layer voice will show on the display, and the indicator will light up.
2. Use the +/YES, –/NO buttons or the numeric pad to select the desired voice. The display will show the layer voice number and name, after three seconds the display will revert to the selected main voice.
3. Press the LAYER button again to turn the feature off.

Lower Voice

In the lower, or split, mode the keyboard is divided into two sections. To the right of the Split Point the currently selected main voice, or the layer voice will sound. The keys to the left of the Split Point can play a different instrument voice.

1. Press the LOWER button, the currently assigned lower voice will show on the display, and the indicator will light up.
2. Use the +/YES, –/NO buttons or the numeric pad to select the desired voice. The display will show the lower voice number and name, after three seconds the display will revert to the main voice.
3. Press the LOWER button again to turn the feature off.

Assigning The Split Point For Voice

The keyboard is split into two sections at the split point. The default split point is the C3 key for voice. A different voice split point can be assigned in the Function menu "Split Point".

Please see the Function section of this manual for more information.

Rhythm Section

Rhythm Style Selection — This piano offers 100 rhythm styles and a variation of each style pattern to choose from. There is a complete list of all 100 styles in the back of the manual.

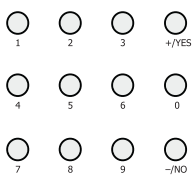
Quick Select

There are ten styles that can be selected quickly by pressing one of the five style select buttons. These styles are assigned to Line A and Line B. Each Rhythm Style Line consists of five styles. The style name in Line A is printed above the style select button and the voice name in Line B is beneath the button.

1. Press the A/B button to select a Line. Selection of the Lines will alternate when the A/B button is pressed repeatedly. The indicator will be lit when Line B is selected.
2. Press the style quick select button that corresponds to the desired style in the Line you have selected. The style name and its number will show on the display.

Selecting One Of The 100 Styles

1. Press the STYLE button to engage the style selection mode, the indicator will light up.
2. Use the numeric pad or the +/YES, –/NO buttons to select a style number while the indicator is lit.



Please Note: *When using the number pads, you must enter two digits to select a style number from 00-99. For example, to select style No. 4 you must enter "04". The style name and its number will be shown on the display. Please refer to the back of the manual for a list of all available styles.*

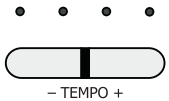
User Defined Quick Selection Button

You can assign a favorite rhythm style to the style quick select button in the following manner.

1. Select the desired rhythm style by using the STYLE button and the numeric pad or the +/YES, –/NO buttons. Please refer to Selecting one of the 100 Styles.
2. Press and hold the STYLE button.
3. Press, don't hold, the style USER button, USER 1 from LIne A, or USER 2 from Line B. The currently selected style will be assigned to this button and available for quick selection. Please note the USER button will revert to the default setting when the power is turned off (USER 1=40:JiveRock, USER 2=82:Cha-Cha1)

Adjusting The Tempo

There is a four-beat indicator above the TEMPO buttons that indicates the tempo and the beat for the accompaniment playing. Each style has its own preset tempo.



The tempo can be adjusted before or during rhythm style play by pressing the either of the –TEMPO+ buttons. When you change the style before you play, the tempo will be set to that default value. If you change style during play, the tempo will keep its current value, press the –/+ TEMPO buttons simultaneously to set the tempo to the new styles default value.

Starting And Stopping The Rhythm Style

There are several ways to start and stop the rhythm style.

Straight Start — The START/STOP button starts the selected rhythm style immediately with the percussive rhythm. Press the START/STOP button again to stop the accompaniment.

Starting With An Introduction — All of the 100 styles can be started with a appropriate introduction. As soon as you press the INTRO/ENDING button, the rhythm of the introduction will start followed by the main pattern. Press the START/STOP button to stop the accompaniment or the INTRO/ENDING button again to stop with an ending pattern.

Please Note: *if you want the selected rhythm style to be engaged again after the ending pattern has been completed, press the FILL IN button while the ending pattern is engaged.*

Synchronized Start — Synchronized Start engages the accompaniment in the standby mode.

Press the SYNC START button, the beat indicator dots above the TEMPO buttons will blink at the current tempo, showing that the synchronized start mode is ready. The rhythm style will start as soon as you play in the auto accompaniment section of the keyboard. You may add an introduction by pressing the INTRO/ ENDING button after pressing the SYNCH START button.

Press the START/STOP or the SYNCH START buttons to stop the accompaniment. If the SYNCH START button is used, the synchronized start mode will be on standby. Use the INTRO/ENDING button to stop with an ending pattern.

Variation

To select the variation of the main patterns, press the VARIATION button. The indicator will light up. If you press the VARIATION button, then press the INTRO/ ENDING button, the variation pattern will play after the introduction.

Fill - In

The fill feature will insert a short rhythmic pattern of one to two measures in length, depending on the rhythm style selected and the variation. Holding down the FILL IN button will extend the fill indefinitely.

Assigning The Split Point For The Auto Accompaniment

The keyboard is split into two sections at the split point. The default split point is the G1 key for auto accompaniment. A different split point for the auto accompaniment can be assigned in the Function menu “Auto A.Split”. Please see the Function section of this manual for more information.

Auto Accompaniment

Auto Accompaniment (Auto Bass Chord) — The rhythm styles have their own auto accompaniment, dedicated to that rhythm style. These auto accompaniments patterns create fully orchestrated rhythm, bass and chord progressions based on the chords that you play with your left hand. The selected rhythm style determines the characteristics of the auto accompaniment. The auto accompaniment section of the keyboard is assigned by the split point. The keys on the left of the split point are reserved for the auto accompaniment. The keys to the right are available for normal playing.

Auto Bass Chord Fingering

SINGLE ●
FINGERED ●
PIANO ●

ACCOMP

This piano has three auto accompaniment fingering modes, single, fingered, and piano.

1. Press the ACCOMP button until the indicator light until the Fingering mode that you desire is selected.
2. Press the START/STOP or the SYNCH START buttons to start the rhythm style. Press the INTRO/ENDING button to start with an introduction.
3. Press the START/STOP or the SYNCH START buttons to stop the accompaniment, or press the INTRO/ENDING button to stop with an ending.

Single (Intelligent) Mode

SINGLE ●
FINGERED ●
PIANO ●

ACCOMP

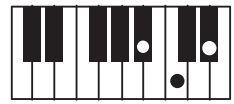
Single fingering mode makes it simple to produce four types of orchestrated accompaniment chords using a minimum of fingers, (one, two, or three fingers at the most), while playing in the auto accompaniment section of the keyboard. In this mode, keys in the auto accompaniment section of the keyboard are used to produce major, seventh, minor, and minor-seventh chords. The auto accompaniment will start with the percussive rhythm as soon as a recognized chord is played. The accompaniment produced is perfectly matched to the selected rhythm style.

Major Chord: Press any key in the auto accompaniment section of the keyboard. The key you press determines the root note of the major chord.

Minor Chord: Press the root key and two keys to its left in the auto accompaniment section of the keyboard simultaneously.

Seventh Chord: Press the root key and one key to its left (7th key) in the auto accompaniment section of the keyboard simultaneously.

Minor-Seventh Chord: Press the root key and both the first and second keys to its left in the auto accompaniment section of the keyboard simultaneously.



Fingered Mode

SINGLE ●
FINGERED ●
PIANO ●

○
ACCOMP

The fingered mode is ideal if you already know how to play chords on the keyboard. It allows you to play the chords in the auto accompaniment section of the keyboard that produce the selected auto accompaniment pattern.

Please note, if a chord played cannot be recognized (fingered beyond the table), the previous chord will keep playing. An unrecognized chord cannot start a bass chord in the straight start mode, and cannot start the auto accompaniment in the synchronized start mode.

The following “Fingering Guide” table lists all of the 31 playable chords of this mode.

Fingering Guide

CHORD	MARK	FINGERING
Major	M	1-3-5
Major sixth	M6	1-3-5-6
Major seventh	M7	1-3-(5)-7
Major seventh sharp eleventh	M7 #11	1-(2)-3-#4-(5)-7
Major add ninth M	9	1-2-3-5
Major seventh ninth	M7 9	1-2-3-(5)-7
Major sixth add ninth	M6	9 1-2-3-(5)-6
Augmented	Aug	1-3-#5
Minor	m	1-b3-5
Minor sixth	m6	1-b3-5-6
Minor seventh	m7	1-b3-(5)-b7
Minor seventh flatten fifth	m7b5	1-b3-b5-b7
Minor add ninth	m 9	1-2-b3-5
Minor seventh add ninth	m7 9	1-2-b3-(5)-b7
Minor seventh add eleventh	m7 11	1-(2)-b3-4-5-(b7)
Minor major seventh	mM7	1-b3-(5)-7
Minor major seventh add ninth	mM7 9	1-2-b3-(5)-7
Diminished	Dim	1-b3-b5
Diminished seventh	Dim7	1-b3-b5-6
Seventh	7	1-3-(5)-b7
Seventh suspend fourth	7sus4	1-4-5-b7
Seventh add ninth	7 9	1-2-3-(5)-b7
Seventh sharp eleventh	7 #11	1-(2)-3#4-(5)-b7
Seventh thirteenth	7 13	1-3-(5)-6-b7
Seventh flatted fifth	7 b5	1-3-b5-b7
Seventh flatted ninth	7 b9	1-b2-3-(5)-b7
Seventh flatted thirteenth	7 b13	1-3-5-b6-b7
Seventh sharp ninth	7 #9	1-#2-3-(5)-b7
Major seventh augmented	M7aug	1-3-#5-7
Seventh augmented	7aug	1-3-#5-b7
Suspended fourth	Sus4	1-4-5

Please Note: *the notes listed in parentheses can be omitted.*

The listed chord fingerings are all in root note position, other inversions can be used with the exception of:

1. The M6 chords are only recognized in root note position. All other inversions are interpreted as m7.

2. The 6 9 chords are only recognized in root note position. All other inversions are interpreted as minor chords.

3. The m6 chords are only recognized in root note position. All other inversions are interpreted as m7b5.

4. With aug and dim7 chords the lowest note played is assumed to be the root.

5. With 7#11 chords the lowest note played is assumed to be the root or b7.

Piano Chord Mode

When the Piano fingering chord mode is engaged you may enter chords anywhere on the keyboard, and the auto accompaniment will make complete styled arrangements. You are not limited to the auto accompaniment section or the range of the split point. In this regard there is no keyboard split point function for this Piano Chord Mode.

Manual Bass Chord

When engaged in the single or fingered mode, you may play individual keys in the auto accompaniment section of the keyboard. The voice on this section of the keyboard will be a layered bass and chord voice determined by the current style. This is a split voice mode, with the right hand playing the main voice.

Auto Harmony

With the harmony feature engaged, a single note on the right-hand section of the keyboard will sound with additional auto harmony notes. The note played in the right-hand section of the keyboard determines the root key of the harmony. If more than one note is played only the highest note will add harmony.

Please Note: *auto harmony is only available when the auto accompaniment is engaged.*

Press the HARMONY button to turn the feature on and off.

There are four harmony types that can be selected, duet, close harmony, open harmony, and octave. The harmony type selection is assigned in the Function menu. Use the “Harmony Type” menu to select the type of harmony.

Please see the Function section for more information.

Starting And Stopping The Auto Accompaniment

Straight Start — The START/STOP button starts the auto accompaniment as soon as you play a recognized chord in the auto accompaniment section of the keyboard. Press the START/STOP button again to stop the accompaniment.

Starting With An Introduction — All of the 100 styles can be started with an appropriate introduction. Press the INTRO/ENDING button, the introduction, followed by the main pattern will start as soon as you play a recognized chord in the auto accompaniment section of the keyboard.

Press the START/STOP button to stop the accompaniment or the INTRO/ENDING button again to stop with an ending pattern.

Please Note: *If you want the auto accompaniment to be engaged again after the ending pattern has been completed, press the FILL IN button while the ending pattern is playing.*

Synchronized Start — Synchronized Start mode makes the auto accompaniment standby. The auto accompaniment will start as soon as you play a recognized chord in the auto accompaniment section of the keyboard.

1. Press the SYNC START button, the beat indicator dots above the TEMPO buttons will blink at the current tempo, indicating that the synchronized start mode is ready.

   Please Note: You may add an introduction by pressing the INTRO/ENDING button after pressing the SYNCH START button.

2. Play a recognized chord in the Auto Accompaniment Section of the piano.

   If the auto accompaniment is off, (the auto accompaniment indicator is off), only the percussive rhythm will play.

3. Press the START/STOP or the SYNCH START buttons to stop the accompaniment.

   If the SYNCH START button is used, the synchronized start mode will be on standby. Use the INTRO/ENDING button to stop with an ending pattern.

Variation

To select the variation of the main patterns, press the VARIATION button. The indicator will light up. If you press the VARIATION button, then press the INTRO/ENDING button, the variation pattern will play after the introduction.

Fill-In

The fill feature will insert a short rhythmic pattern of one to two measures in length, depending on the rhythm style selected and the variation.

Holding down the FILL IN button will extend the fill indefinitely.

Assigning The Split Point For The Auto Accompaniment

The keyboard is split into two sections at the default split point G1 key for auto accompaniment.

A different split point for the auto accompaniment can be assigned in the Function menu “Auto A.Split”. Please see the Function section of this manual for more information.

Metronome

The built in metronome is a timing device. It is used as a timing reference to aid with practice or performance.

Press the METRONOME button to engage the metronome feature. The button's LED Indicator will turn on, the display screen will show the Metronome menu and the metronome sound will start immediately.

Time Signature

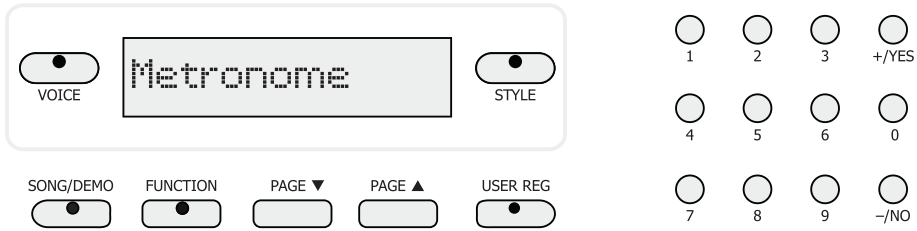
The time signature can be set to 2/4, 3/4, 4/4, 6/8 and 9/8.
Use the +/YES and the –/NO buttons buttons to set the bottom time signature.

Tempo

The tempo of the time signature can be adjusted, use the – TEMPO + buttons to adjust the tempo from 40–240 bpm (beats per minute). Press the – TEMPO + buttons simultaneously to recall the default setting of 100 bpm. Adjusting the metronome tempo may also affect the rhythm style tempo.

Function

The Function mode is used to set up or to adjust various parameters related to the operation of this keyboard. With the FUNCTION button engaged you may access the menu for the Metronome, Reverb level, Chorus level, Touch sensitivity, Lower Split point for voice, Split point for auto accompaniment, tuning, the Drum kit selection, and Harmony type selection.



Using The Function Menu

1. Press the FUNCTION button. The first menu item that can be manipulated will appear on the display.
2. Press the PAGE □ or the PAGE □ buttons until the menu you wish to access appears on the display screen.
3. Press the +/YES button to show the current parameter for your selected function.
4. Use the number pad or the +/YES, –/NO buttons to set a new parameter.

   Note: Pressing the +/YES and the –/NO buttons simultaneously will recall the default setting.
5. Press the FUNCTION button again to exit this mode and confirm your selection.

Reverb Level Setting

Reverb simulates the effect of playing in a big room or hall where the sound reverberates off the walls and ceiling. The reverb effect is engaged automatically when the power is turned on. You can switch the reverb feature on and off by pressing the REVERB button. Select the level of reverb from the Function menu.

1. Press the FUNCTION button.
2. Press the PAGE ▼ or the PAGE ▲ buttons until the “Reverb Level” menu appears.
3. Press the +/YES button and the current reverb level will be shown.
4. Use the +/YES button to increase the reverb level or the –/NO buttons to decrease the level. The number pad can also be used to directly enter a value ranged from 01-127. Press the +/YES, –/NO buttons simultaneously to recover the default setting.
5. Press the FUNCTION button again to exit the function setting mode.

Chorus Level Setting

The Chorus effect enriches your selected instrument voice by adding depth and texture.

Press the CHORUS button to engage the chorus effect, the indicator will light up. Adjust the level of chorus in the Function menu.

1. Press the FUNCTION button.
2. Press the PAGE ▼ or the PAGE ▲ buttons until the “Chorus Level” menu appears.
3. Press the +/YES button to confirm your selection and the current Chorus level will be shown.
4. Use the +/YES to increase the chorus level or the –/NO buttons to decrease the level. The number pad can also be used to directly enter a value ranged from 01-127. Press the +/YES, –/NO buttons simultaneously to recover the default setting.
5. Press the FUNCTION button again to exit the function setting mode.

Touch

The piano offers four types of keyboard touch sensitivity settings, soft, normal, hard, and fixed. These are also known as velocity settings and are designed to suit your style of playing.

The normal setting is selected automatically when the piano is turned on. The touch response can be changed with the function feature.

Soft is the most sensitive keyboard response which permits maximum sound levels with a light touch.

Normal is an intermediate response suitable for most styles of music. Normal is the default setting.

Hard is a less sensitive keyboard response which requires a heavier touch to obtain maximum sound levels.

Fixed does not offer any touch sensitivity. Each key plays at full volume no matter how hard the piano key is hit. It is commonly used on Harpsichord and Organ voices.

1. Press the FUNCTION button.
2. Press the PAGE ▼ or the PAGE ▲ buttons until the “Touch” menu appears.
3. Press the +/YES button to confirm your selection. The current touch response setting will be shown.
4. Use the +/YES, –/NO buttons to select a touch response.
5. Press the FUNCTION button again to confirm your selection and exit the function setting mode.

Changing The Split Point For Lower Voice

When the lower mode isn engaged the keyboard is divided into two parts at the split point. In the right hand section the original or Upper voice will sound. In the left hand section a new instrument voice can be assigned, the lower voice. The split point for the Lower section can be changed in the Function feature.

1. Press the FUNCTION button.
2. Press the PAGE ▼ or the PAGE ▲ buttons until the “Split Point” menu appears.
3. Press the +/YES button to confirm your selection and the current voice split point will be shown.
4. Use the +/YES button to shift the split point up the keyboard, to the right, and the –/NO button to shift the split point down the keyboard, to the left. The number pad can also be used to enter the split point directly (by key number) from C3–C7. Press the +/YES, –/NO buttons simultaneously to recover the default setting of C3.
5. Press the FUNCTION button again to confirm your selection and exit the function setting mode.

Changing The Split Point For Auto Accompaniment

SINGLE
FINGERED
PIANO

ACCOMP

The split point that divides the keyboard can also be changed in the function menu.

1. Press the FUNCTION button.
2. Press the PAGE ▼ or the PAGE ▲ buttons until the “Auto A.Split” menu appears.
3. Press the +/YES button to confirm your selection and the current auto accompaniment split point will be shown.
4. Use the +/YES button to shift the split point up the keyboard, to the right, and the –/NO button to shift the split point down the keyboard, to the left, from AO–C3. Press the +/YES, –/NO buttons simultaneously to recover the default setting of G1.
5. Press the FUNCTION button again to confirm your selection and exit the function setting mode.

Master Tune

The pitch of this piano is very accurate and stable, it is automatically set to standard A440 pitch when the piano is turned on. The tuning feature makes it possible to tune the pitch of the instrument in fine intervals. If necessary, you can alter the piano pitch. Tuning can be accomplished over –50 to +50 semitone steps, or cents.

1. Press the FUNCTION button.
2. Press the PAGE ▼ or the PAGE ▲ buttons until the “Master Tune” menu appears.
3. Press the +/YES button the tuning value will be shown.
4. Use the +/YES button to increase the value or the –/NO buttons to decrease the value. Press the +/YES, –/NO buttons simultaneously to recover the default setting of 00.
5. Press the FUNCTION button again to confirm your selection and exit the function setting mode.

Auto Harmony Type Selecting

When the HARMONY button is engaged, a single note on the right-hand section of the keyboard will sound with additional auto harmony notes, when the auto accompaniment is engaged. There are four types of harmony that can be selected.

Duet adds a harmonizing note sounding below the single right hand note that you supply when the chord accompaniment is playing.

Close harmony adds two harmonizing notes sounding below the single right hand melody note that you supply, when the chord accompaniment is playing.

Open harmony

Octave add a note one octave below the note you play in the right hand section of the keyboard when the chord accompaniment is playing.

1. Press the FUNCTION button, then the +/YES button to confirm.
2. Press the PAGE ▼ or the PAGE ▲ buttons until the “Harmony Type” menu appears.
3. Press the +/YES button to confirm your selection. The current harmony type will be shown.
4. Use the +/YES or –/NO buttons to select a harmony type.
5. Press the FUNCTION button again to exit the function setting mode.

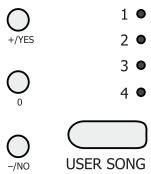
Record

This piano is equipped with a real time recorder, able to store four songs, each with a 3-track sequencer. It will record all note events and the accompaniment as they are performed. This recorded information is nonvolatile and therefore will not be lost when the power is turned off. All the tracks can playback separately or together as a complete song.

Recording

1. Prepare - Prepare to record by setting the voice, style, tempo and reverb level and other parameters as desired.

   These settings can be stored into a registration memory for easy recall, please see the registration memory section for more information.



2. Select a Song - Press the USER SONG button, and use the +/YES, –/NO buttons to select a song, the display will show the song number selected. This is where the recorded information will be stored.

3. Select a track - Melody will record, all notes.

   There are two tracks available for recording the melody, these are assigned by pressing the MELODY 1 or the MELODY 2 button.

   Auto Accompaniment will record all the auto accompaniment events just as they are played.

   The ACCOMP track button will select the accompaniment track.

   Press and hold down the REC button, then press the track button that you want to record in. The corresponding track indicator will blink, and the four dots of the beat indicator will blink with the current tempo, to show that the recorder is on standby.

   If you already have a recorded track(s) in the selected song, that indicator will also be lit and the recorded music will play, as a reference for you while you record the new track. If you do not wish for previously recorded tracks to play while you are recording, press the corresponding track button to turn the indicator light off.

   Please Note: *be careful not to hold the REC button down while deselecting a track as that will put that track on standby, and immediately erase the existing recording.*

4. Record - Your performance can be recorded in the following ways:

Record Melody Track Only

If the MELODY 1 or MELODY 2 buttons are selected the recording will begin as soon as you play the keyboard.

Please Note: *It is suggested to turn off the fingering mode when recording on a melody track alone. When the fingering mode is set to Fingered or Single, the auto accompaniment section of the keyboard will not be recorded, although the notes are sounding.*

Record Auto Accompaniment Track Only

With the Auto Accompaniment ACCOMP engaged recording will start as soon as a chord is played on the auto accompaniment section of the keyboard.

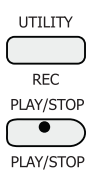
Please Note: notes played on the Melody section of the keyboard will not be recorded in the auto accompaniment track. If the auto accompaniment is off, only the percussive rhythm will be recorded in the ACCOMP track. An unrecognized chord in the fingered mode cannot start the recording.

Record the Auto Accompaniment and a Melody Track

If you want to record a melody and the accompaniment at the same time, Press a MELODY track button, then the ACCOMP track button and both indicators will blink in the standby mode.

Recording begins as soon as you start to play on any section of the keyboard.

Please Note: *the contents in a track will be erased as soon you start to record on the selected track. It will be replaced by the new data that the user is recording.*

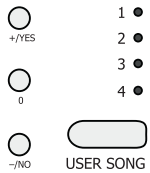


5. Stop Recording - Press the START/STOP button, the PLAY/STOP button or the REC button to stop recording. Or when the accompaniment track is being recorded, press the INTRO/ENDING button to stop the recording with an ending pattern in the accompaniment track.

Please Note: *When the record memory is full, recording will stop automatically and "End" will appear on the display screen.*

Playback

To listen to the recorded passage:



1. Press the USER SONG button and select the song you want to play back, using the +/YES, –/NO buttons. The display will show the song number.

2. After you have selected your desired User Song, the LED indicators of those recorded channel tracks will be engaged.

   If you do not wish to hear a specific track, press the corresponding track button to turn that track off. Its LED indicator will turn off.

3. Press the PLAY/STOP button to hear the recorded track(s). The dots of the beat indicator will flash. You can change the tempo by pressing the +TEMPO– buttons. You may also play on the keyboard while the recording is playing back.

4. Press the PLAY/STOP button again to stop the playback. Playback will stop automatically when the recording reaches its end.

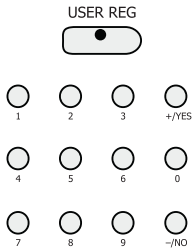
5. Press the USER SONG button again to exit the Record Mode, the display screen will revert to the current voice selected.

Registration Memory

Registration Memory can recall particular settings of style, voice, chord and other parameters or features you have engaged. This piano has nine registration memories to hold your favorite settings so that they can be recalled quickly by pressing a button. The unit is equipped with a backup battery will not be lost when the power is turned off.

Please Note: *The Registration Memory is recalled by using the numeric pad buttons.*

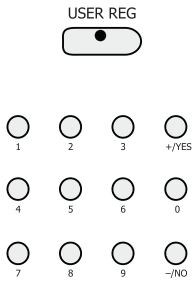
Save Your Settings In The Registration Memory



1. Set the voice, rhythm, tempo, accompaniment, reverb effect and any other parameters that you wish to save.
2. Hold down the REG button.

3. Press one of the number pads 1-9. The display will show the current registration memory number with a “b-” prefix. Your panel setting will be saved into that registration memory button instantly.

Recall Contents In The Registration Memory



1. Press and release the DIGITAL/REG button to engage the registration memory mode, the indicator will light up.
2. Press one of the number pads 1-9 buttons, the stored setting will be recalled instantly and the display will show the memory number with a “b-” prefix. The relevant parameters will be set and the display will recover to the voice that has just been recalled.

Play Along Songs

Press the SONG button to access the play along song function.

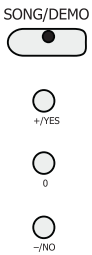
There are 50 songs built into the piano for your musical enjoyment.

Please Note: *If you press the SONG button, hold it down, and then press the DEMO button, all the training songs will play back.*

You can change the song by pressing the +/YES , –/NO buttons or use the number pads to input a song number directly.

Press the DEMO button again to stop the song demonstration.

Using The Song Feature



1. Engage the Song mode - Press the SONG button. The first song number will appear on the display. Use the +/YES, –/NO buttons or the number pads to select a song. The song number will appear on the display.

2. Listen to the demonstration - Press the START/STOP button to listen to the selected song. The chord playing from the auto accompaniment and the tempo will be shown on the display.

Right hand play along — Press the RIGHT button. Then press the START/STOP button, after the metronome sound the auto accompaniment will playback, and you can play the right hand melody notes with the rhythm accompaniment track.

Left hand play along — Press the LEFT button. Then press the START/STOP button, after the metronome sound the melody will playback with the rhythm and/or accompaniment track, you can play the left hand accompaniment pattern to match this melody.

Right and Left hand play along — Press the RIGHT and LEFT buttons simultaneously, then press the START/STOP button, after the metronome sound, you can play the entire section with both hands with the percussive rhythm or metronome track.

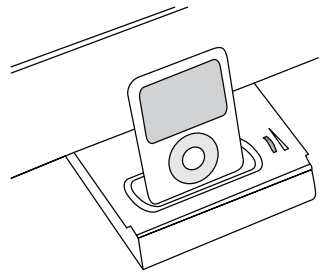
3. Check you progress - You will hear a vocal grading as soon as you finish the performance. The grades are “Try Again”, “Good”, “Very good” and “Excellent”.

   The same song passage will continue until you press the START/STOP button.

4. Stop the Song Function - Press the SONG button again to exit the Play Along Song Mode.

iPod Dock Instruction

The iPod docking station is located on the right hand side the piano underneath the keys.



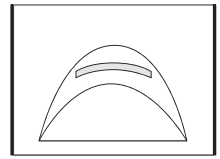
1. Pull out the the iPod docking station from under the keyboard.
2. Turn the Piano's Master Volume to mid level to ensure that the initial iPod volume will not damage the Piano's Sound Delivery System.
3. Place your iPod onto the docking station carefully. The bottom of the iPod needs to interface with already compatible connector on the docking station.

iPod Volume

The Volume Control to the right of the iPod Docking Cradle can be used to easily adjust the iPod's volume to match your Playing volume level. Or you may just use the Master Volume control for its overall volume.

The Piano's EQ Controls will not effect the iPod's sound output. Therefore please use the iPod's EQ controls to optimize the iPod's sound and tone.

SD Card



Card Features

The card features allows you to Load Songs, Save Songs, Delete Song Files and Rename your song files.

Insert The Card

Insert the SD Memory Card in to Memory Card Slot with the label side up and the metal teeth leading into the slot. Slide the SD Memory Card into the slot and push it with your index finger until it clicks into place. The SD Memory Card should be approximately flush with the Memory Card Plastic Molding when you have heard or felt the click, meaning that it is engaged.

Remove The Card

To remove the SD Memory Card press the SD Memory Card and it will pop back out of the Memory Card Slot and allow you to grab it to remove it from the piano.

Note: *Do not remove the Memory Card or turn off the power when to Memory card is engaged in anyway to avoid memory loss or damage to the SD Memory Card or the Memory Card Reader*

Play All

The Play All card function lets you play all SMF MIDI Song Files that are on the card.

1. Insert a SD card into the card reader. Make sure that there are some of your previous musical performances are on it or songs in the MIDI (SMF–Standard MIDI File) Format files are on the card.

CARD

2. Press the CARD Button and select the Play Card menu.
3. The music sequencer will automatically load the first MIDI File Song that is on the card and it will begin to play.
4. The music sequencer will load the second MIDI File Song after the first one has finished and it will begin to play.

START/
STOP

5. The music sequencer will continue to play all songs in sequence. It will continue this function until the START/STOP Button is pressed.

Load Song

If you would like to listen to a specific song from the SD Card then you must first load it into the music sequencer.

Load Song retrieves one of your previously stored Music Performances or MIDI File songs from the SD Card.

1. Place a card into the card reader. Make sure that there are some of your previous musical performances on it or MIDI (SMF–Standard MIDI File) Format files on the card.

2. Press the CARD Button and select the Load Song menu.
3. Press the LOAD SONG Button.

4. Use the +YES or the –NO buttons to cycle through the Load song options available to select.
5. Press the LOAD SONG Button when your desired song is shown on the LCD Screen. This will confirm you selection and load this song into the Music Sequencer. “OK!” Will appear on the LCD Screen after your song is loaded. Press the next function button that you like to engage such Play or the Play/ Stop Button.

6. Press the START/STOP or the PLAY/PAUSE button. The song you have just loaded into the sequencer (music recorder) will begin to play.

Save Song

The Save song function lets you save your musical performance data that you recorded in the 3 track music recorder (sequencer) and save it onto a SD Card so that it can be accessed later.

1. Make sure the card that you have selected has room to store song data files on it.
2. Make sure that you have one of your musical performances recorded into one of the User Songs.
3. Press the SAVE button on the control panel.

The User Song LED that has a recorded song in it will turn on. LCD will ask “Save it to Card?”

4. Use the +YES or the –NO buttons to select the User Song you would like to save to the SD Card. The SAVE Button LED will turn off when there are no more selections are available to save.

Utility

Selecting the UTILITY Button on the control panel will access the following Options:

Solo Channel

The Solo Channel Screen allows you to select certain individual track of your MIDI File Song to Solo on (play along with). Therefore depending on your Standard MIDI File Formatted Song you would be able to Solo on one of the sixteen Channels or Tracks that you have selected.

Use the +YES or the –NO button to access the SOLO Channel that you would like to select.

Press the UTILITY Button will that channel is shown on the LCD Screen.

Now Press the Play Button and you will hear only the channel that you have selected.

You may play along with this channel as desired.

Mute Channel

The Mute Channel allows you to select a certain individual track of your MIDI File Song to Mute. Therefore depending on your Standard MIDI File Formatted Song you would be able to Mute a certain channel such as the the Bass or Melody Line of the Song.

Use the +YES or the –NO button to access the Channel that you would like to MUTE.

Press the UTILITY Button when that channel is shown on the LCD Screen.

Now Press the Play Button and you will hear your selected song play without the channel that you have chosen to Mute.

Delete

Delete is used to remove unwanted files from the SD card.

1. Insert the card into the card reader. Make sure that the card you have selected has the song data file you want to delete from the SD card.
2. Use the +YES or the –NO button to access the song that you would like to DELETE.
3. Press the UTILITY Button when the Song that you would like to DELETE is shown on the LCD Screen. The song you have selected will then be Deleted.

Play/Stop

Selecting the PLAY/STOP Button on the control panel will Start or Stop the song that is loaded in the Music Sequencer.

Buy Or Download Songs To Playback On Your Piano

You can purchase prerecorded SMF (Standard MIDI File) MIDI File disks of your favorite music and performing artists. One of the many places you can order these disks is from the Suzuki Corporation by visiting us on the web at www.suzukipianos.com/. However there are also many web sites that offer SMF Music files that can be downloaded from the Internet.

Using your computer you may can download various types of songs (called MIDI Files) from the Internet for free and save them to your SD Memory Card. The MIDI files you download should be in Standard MIDI File format for proper playback. You can search the web by visiting Google.com and entering SMF MIDI FILES into their search engine.

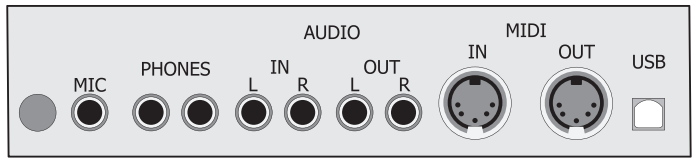
Microphone

If you would like to sing along with the music from the piano.

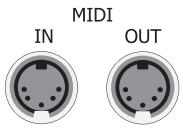
Plug in the microphone in to the Mic Input Jack located on the connector panel on the bottom left hand side of the piano.

MIDI

MIDI stands for Musical Instrument Digital Interface. This is a world wide standard communication interface that enables electronic musical instruments and computers (of all brands) to communicate with each other so that instructions and other data can pass between them. This exchange of information makes it possible to create a system of MIDI instruments and devices that offers far greater versatility and control than is available with isolated instruments. Whether you interface with computers, sequencers, expanders or other keyboards your musical horizons will be greatly enhanced. For further information on MIDI and MIDI equipment that is available, please contact your local Suzuki music store.



MIDI Connection — The MIDI terminals are located on the left side panel of the piano.



1. MIDI In: This terminal receives MIDI data from an external MIDI device.
2. MIDI Out: This terminal transmits data from this instrument to other MIDI devices. The transmitted data includes the note and touch velocity produced while playing on the keyboard, as well as voice changes, wheel operation, and recorded playback for the melody tracks. Demo songs and auto accompaniment are not transmitted.

   For more information regarding transmitted MIDI data please see the next page and or the MIDI implementation chart.

   MIDI Channels — The MIDI system in this unit has 16 channels numbered from 1-16. Each of the channels is responsible for a voice. When the instrument receives from an external device, the active channel is determined by the control message. The transmission channels on this keyboard are fixed as follows:

   Channel 1: Master voice

   Channel 2: Layer voice

   Channel 3: Split voice

   Channel 4: Bass in manual bass chord mode

   Channel 7: Chord in manual bass chord mode

   Channel 10: Percussion sound

   Please see the MIDI Implementation Chart for more detail.

MIDI Implementation Chart

FUNCTION	TRANSMITTED	RECOGNIZED	REMARK
Basic Channel	1 CH	1-16 CH	
Channel changed	1-16 CH	1-16 CH	
Default Mode	3	3	
Note Number	9-120	0-127	
Velocity: Note On	•	•	
Velocity: Note Off	X	•	
Pitch Bender	•	•	
Control Change: 0	•	X	Variation page
1	X	X	Modulation
5	X	X	Portamento value
7, 10	•	•	Volume, Pan
11	X	•	Expression
64, 66, 67	•	•	Sustain. Sostenuto, Soft Pedal
65	X	X	Portamento yes/no
80, 81	•	•	Reverb, Chorus program
91	•	•	Reverb, Chorus send level
98, 99	X	X	NRPNL, NRPHH
100 ,101	X	X	RPNL, RPNH
121	•	•	Reset all controllers
123	•	•	All notes off
Program Change	0-127	0-127	
System Exclusive	X	X	
Sys. Common: Song Select	X	X	
Sys. Common: Song Position	X	X	
System: Clock	X	X	
Real Time: Commands	X	X	

Mode 1: OMNI ON, POLY

Mode 2: OMNI ON, MONO

Mode 3: OMNI OFF, POLY

Mode 4: OMNI OFF, MONO

Voice List

NO.	NAME	DISPLAY	NO.	NAME	DISPLAY
PIANO			34	Electric Bass (finger)	Finger Bass
1	Acoustic Grand	Piano Grand Piano	35	Electric Bass (pick)	Pick Bass
2	Bright Acoustic	Piano Bright Piano	36	Fretless Bass	FretlessBass
3	Electric Grand	Piano El.G.Piano	37	Slap Bass 1	SlapBass1
4	Honky-Tonk Piano	Honky-Tonk	38	Slap Bass 2	SlapBass2
5	Electric Piano 1	Elec.Piano1	39	Synth Bass 1	Synth Bass1
6	Electric Piano 2	Elec.Piano2	40	Synth Bass 2	Synth Bass2
7	Harpsichord	Harpsichord	**STRINGS**		
8	Clavichord	Clavichord	41	Violin	Violin
CHROMATIC PERCUSSION			42	Viola	Viola
9	Celesta	Celesta	43	Cello	Cello
10	Glockenspiel	Glockenspiel	44	Contrabass	ContraBass
11	Music box	Music Box	45	Tremolo Strings	TremStrings
12	Vibraphone	Vibraphone	46	Pizzicato Strings	PizzStrings
13	Marimba	Marimba	47	Orchestral Harp	OrchHarp
14	Xylophone	Xylophone	48	Timpani	Timpani
15	Tubular Bells	TubularBells	**ENSEMBLE**		
16	Dulcimer	Dulcimer	49	String Ensemble 1	StringEnsbl1
ORGAN			50	String Ensemble 2	StringEnsbl2
17	Drawbar Organ	Draw Organ	51	Synth Strings 1	SynthString1
18	Percussive Organ	Percus Organ	52	Synth Strings 2	SynthString2
19	Rock Organ	Rock Organ	53	Choir Aahs	ChoirAahs
20	Church Organ	ChurchOrgan	54	Voice Oohs	VoiceOohs
21	Reed Organ	Reed Organ	55	Synth Voice	Synth Voice
22	Accordion	Accordion	56	Orchestra Hit	OrchHit
23	Harmonica	Harmonica	**BRASS**		
24	Tango Accordion	Tango Accordn	57	Trumpet	Trumpet
GUITAR			58	Trombone	Trombone
25	Acoustic Nylon Guitar	Nylon Guitar	59	Tuba	Tuba
26	Acoustic Steel Guitar	Steel Guitar	60	Muted Trumpet	MutedTrumpet
27	Electric Jazz Guitar	Jazz Guitar	61	French Horn	FrenchHorn
28	Electric Clean Guitar	Clean Guitar	62	Brass Section	BrassSection
29	Electic Muted Guitar	Mute Guitar	63	Synth Brass 1	SynthBrass1
30	Overdriven Guitar	Overdrive	64	Synth Brass 2	SynthBrass2
31	Distortion Guitar	Dist Guitar	**REED**		
32	Guitar Harmonics	GtrHarmonics	65	Soprano Sax	SopranoSax
BASS			66	Alto Sax	Alto Sax
33	Acoustic Bass	AcousticBass	67	Tenor Sax	Tenor Sax

NO.	NAME	DISPLAY	NO.	NAME	DISPLAY
68	Baritone Sax	Baritone Sax	102	FX 6 (goblins)	Goblins
69	Oboe	Oboe	103	FX 7 (echoes)	Echoes
70	English Horn	English Horn	104	FX 8 (sci-fi)	Sci-Fi
71	Bassoon	Bassoon	**ETHNIC**		
72	Clarinet	Clarinet	105	Sitar	Sitar
PIPE			106	Banjo	Banjo
73	Piccolo	Piccolo	107	Shamisen	Shamisen
74	Flute	Flute	108	Koto	Koto
75	Recorder	Recorder	109	Kalimba	Kalimba
76	Pan Flute	Pan Flute	110	Bagpipe	Bagpipe
77	Bottle Blow	Bottle	111	Fiddle	Fiddle
78	Shakuhachi	Shakuhachi	112	Shanai	Shanai
79	Whistle	Whistle	**PERCUSSIVE**		
80	Ocarina	Ocarina	113	Tinkle Bell	Tinkle Bell
SYNTH LEAD			114	Agogo	Agogo
81	Lead 1 (square)	Square Lead	115	Steel Drums	Steel Drums
82	Lead 2 (sawtooth)	SawtoothLead	116	Woodblock	WoodBlock
83	Lead 3 (caliope lead)	CaliopeLead	117	Taiko Drum	Taiko Drum
84	Lead 4 (chiff lead)	Chiff Lead	118	Melodic Tom	MelodicTom
85	Lead 5 (charang)	Charang Lead	119	Synth Drum	Synth Drum
86	Lead 6 (voice)	Voice Lead	120	Reverse Cymbal	ReversCymbal
87	Lead 7 (fifths)	Fifth Lead	**SOUND EFFECT**		
88	Lead 8 (bass + lead)	Bass +Lead	121	Guitar Fret Noise	Fret Noise
SYNTH PAD			122	Breath Noise	Breath Noise
89	Pad 1 (new age)	New Age Pad	123	Seashore	Seashore
90	Pad 2 (warm)	Warm Pad	124	Bird Tweet	Bird Tweet
91	Pad 3 (polysynth)	PolySynthPad	125	Telephone Ring	Telephone
92	Pad 4 (choir)	Choir Pad	126	Helicopter	Helicopter
93	Pad 5 (bowed)	Bowed Pad	127	Applause	Applause
94	Pad 6 (metallic)	Metallic Pad	128	Gunshot	Gunshot
95	Pad 7 (halo)	Halo Pad			
96	Pad 8 (sweep)	Sweep Pad			
SYNTH EFFECT					
97	FX 1 (rain)	Rain			
98	FX 2 (soundtrack)	Sound Track			
99	FX 3 (crystal)	Crystal			
100	FX 4 (atmosphere)	Atmosphere			
101	FX 5 (brightness)	Brightness			

Please Note: *For voices from 001 - 128 in the table, the "No." is the displayed voice number. The MIDI program number for any voice listed is one less than the display number. For example voice 001 Acoustic Grand Piano MIDI program number is 000, voice 002 Bright Acoustic Piano MIDI program number is 001, and so forth.*

Asian Folk Instruments

NO.	NAME	DISPLAY PROG.	CHANGE	BANK
129	Yangquin	Yangqin	15	1
130	Sanxian	Pipa	106	1
131	Zheng	Zheng	107	1
132	Erhu	Erhuvib	110	1
133	Banhu	Banhu	0	1
134	Suona	Suona	1	1
135	Sheng	Sheng	2	1
136	Dizi	Dizi	3	1
137	Erhu + Yangqin	ErhuYangqin2	7	1
138	Dizi + Zheng	DiziZheng2	11	1

Please Note: *When the touch sensitivity is in the "Soft," "Normal," or "Hard," mode, voice No. 137 will sound as Erhu when a key is struck softly, and as Yangqin when the key is struck hard.*
If the touch response is fixed, voice No. 137 will always sound as Yangqin.
When the touch sensitivity is in the "Soft," "Normal," or "Hard," mode, voice No. 138 will sound as Zheng when a key is struck softly, and as Dizi when the key is struck hard.
If the touch response is fixed, voice No. 138 will always sound as Dizi. More ethnic Asian Instruments have been added to the voice list as shown below.

Style List

NO.	NAME	DISPLAY	NO.	NAME	DISPLAY	NO.	NAME	DISPLAY
0	Swing Organ	Swing Organ	**34**	Disco	Disco	**67**	Hawaiin	Hawaiin
1	Swing Trio	Swing Trio	**35**	Disco Dance 1	Disco Dance 1	**68**	Hula	Hula
2	Swing	Swing	**36**	Disco Dance 2	Disco Dance 2	**69**	Boogie	Boogie
3	Slow Swing	Slow Swing	**37**	Disco Shuffle	Disco Shuffle	**70**	Trot	Trot
4	Dixie	Dixie	**38**	Disco Grove	Disco Grove	**71**	Ragtime	Ragtime
5	Jazz	Jazz	**39**	House	House	**72**	Waltz 1	Waltz 1
6	Lounge	Lounge	**40**	Dance 1	Dance 1	**73**	Waltz 2	Waltz 2
7	Shuffle Blues	Shuffle Blues	**41**	Dance Pop 1	Dance Pop 1	**74**	Classical 1	Classical 1
8	Blues	Blues	**42**	Dance Pop 2	Dance Pop 2	**75**	Classical 2	Classical 2
9	Gospel 1	Gospel 1	**43**	80's Dance	80's Dance	**76**	Ballad	Ballad
10	Gospel 2	Gospel 2	**44**	Dance 2	Dance 2	**77**	50's Ballad	50's Ballad
11	Reggae 1	Reggae 1	**45**	Techno	Techno	**78**	Power Ballad	Power Ballad
12	Reggae 2	Reggae 2	**46**	Rap	Rap	**79**	Jazz Ballad	Jazz Ballad
13	Motown	Motown	**47**	Rock 1	Rock 1	**80**	Bolero	Bolero
14	Shuffle	Shuffle	**48**	Rock 2	Rock 2	**81**	Slow 16	Slow 16
15	R&B 1	R&B 1	**49**	Rock 3	Rock 3	**82**	Kids 1	Kids 1
16	R&B 2	R&B 2	**50**	Rock n Roll 1	Rock n Roll 1	**83**	Kids 2	Kids 2
17	R&B Shuffle	R&B Shuf	**51**	Rock n Roll 2	Rock n Roll 2	**84**	March 1	March 1
18	Pop 1	Pop 1	**52**	Soft Rock	Soft Rock	**85**	March 2	March 2
19	Pop 2	Pop 2	**53**	Jerry	Jerry	**86**	March 3	March 3
20	Pop 3	Pop 3	**54**	Bossa Nova 1	Bossa Nova 1	**87**	Polka 1	Polka 1
21	Beat Pop 1	Beat Pop 1	**55**	Bossa Nova 2	Bossa Nova 2	**88**	Polka 2	Polka 2
22	Beat Pop 2	Beat Pop 2	**56**	Pop Bossa 1	Pop Bossa 1	**89**	Mex Polka	Mex Polka
23	Beat Pop 3	Beat Pop 3	**57**	Pop Bossa 2	Pop Bossa 2	**90**	New Age	New Age
24	Pop 16	Pop 16	**58**	Salsa	Salsa	**91**	Country	Country
25	Pop Acoustic	Pop Acoustic	**59**	Tango	Tango	**92**	Country Twain	Country Twain
26	Easy Pop	Easy Pop	**60**	Merenque	Merenque	**93**	Bluegrass	Bluegrass
27	Funky Pop	Funky Pop	**61**	Ramba	Ramba	**94**	Slow Blues	Slow Blues
28	Disco Pop	Disco Pop	**62**	Bequine	Bequine	**95**	Latin Big Band	Latin Big Band
29	Slow Groove	Slow Groove	**63**	Samba	Samba	**96**	Broadway 1	Broadway 1
30	Florida	Florida	**64**	Cha Cha	Cha Cha	**97**	Broadway 2	Broadway 2
31	Folk 1	Folk 1	**65**	Latin 1	Latin 1	**98**	Big Band	Big Band
32	Folk 2	Folk 2	**66**	Latin 2	Latin 2	**99**	Mambo Band	Mambo Band
33	Fancy	Fancy						

Specifications

Keyboard	88 Key, Advanced Balanced Graded Hammer Action, Velocity Sensitive
Sound Source	3D and Stereo Deluxe Instrument Samples
Polyphony	64 Note Polyphony
Preset Tones	128 GM (General MIDI Voices)
Function	Tune, Transpose, MIDI Functions, Demo, Chorus (8 types), Reverb (8 types), Song (Left Hand and Right Hand), Layer, Split, Upper, Lower, Arpeggio, One Touch, Auto Bass Chord (Fingered Single, Fingered, Piano Mode), Harmony (Duet, Arpeggio, Repeat), Synchro, Fill In 1, Fill in 2, Intro/Ending, Touch Control, 36 Registration Memories (6 banks of 6 registration keys), Local
Rhythm Styles	100 Styles with Variations, Tempo Range 40 to 240
Controls	Mic Volume, Master Volume, Accompaniment Volume, Tempo (+,-)
Touch Control	Soft, Normal, Hard, Fixed
Master Tuning	+/– 50 Cents
Digital Effects	Digital Reverb (Various Types)
Metronome	Tempo Range 40 to 240
Power Output	60W x 2
Recorder	3 Track, Direct Save/Load to SD (Secure Digital) Card with SMF Format, Delete Track
Pedals	Soft, Sustain, Function Programmable
Speakers	4 Speaker, Stereo Sound Delivery System
Connections	Mic Input, Headphone Jack, Audio In, Audio Out, A/C In, MIDI In/Out, USB Port, iPod Docking Station
Display	Dot Matrix LCD, Access and Menu Screens, Cursor, Value (+,-) and Escape
Finish	High Gloss Black
Dimensions	55 W x 30 D x 35.5 H (inches)
Weight	165 lbs.
Included Hardware	Matching Bench, Power Cable, Owner's Manual, Demo Disk Card

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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