

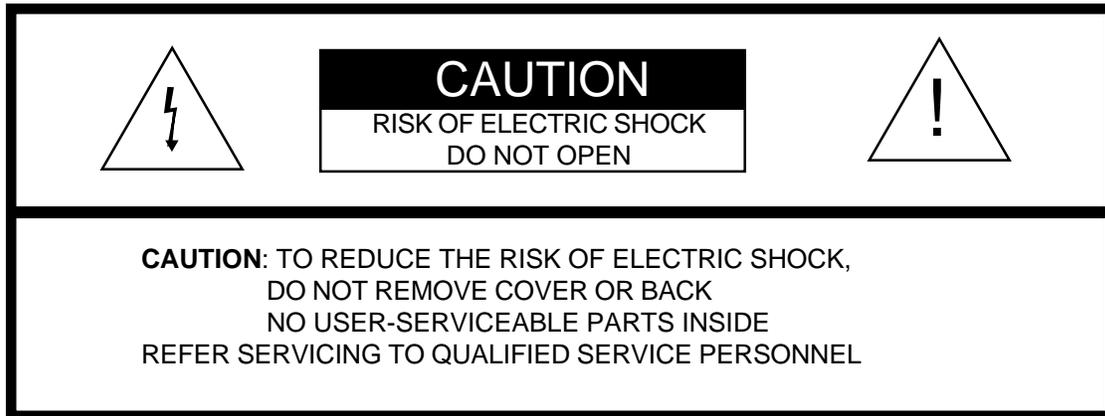


# Classic Cantabile DP 99 Digitalpiano



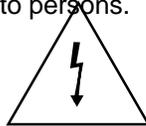
Users manual

# GENERAL PRECAUTIONS



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

The lightning flash 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 in the manual accompanying the product.



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 limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.”

# PRECAUTIONG

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

## IMPORTANT

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, damages, fire or other hazards. These precautions include, but are not limited to, the follows:

1. Read and understand all the instructions.
2. Always follow the instructions on the instrument.
3. Before cleaning the instrument, always remove the electric plug from the outlet as well as the oyer cables. When cleaning, use a soft, dry cloth. Do not use gasoline, alcohol, acetone, turps or any other organic solution; do not use liquid cleaner or spray cleaner, or too wet cloth.
4. Do not use the instrument near water or moisture, such as bathtub, washbasin, or washing poor in the kitchen, or similar places.
5. Do not place the instrument in an unstable position where it might accidentally fall over.
6. Do not jam sinks or holes of the instrument; those sinks of holes are used for air circulation to prevent the instrument from overheating. Do not place the instrument near heat sink or any places with poor air circulation.
7. Always use the AC adaptor included with the instrument; do not use any other AC adaptor.
8. Do not place anything on the power cord. Make sure the power cord is set on a safe place, so nobody will step on it and no body will get trip over by it.
9. Do not overload the outlet and AC cable to avoid fire or electrical shock.
10. Do not insert anything in the instrument, which may cause fire or electrical shock. Do not splash any kind of liquid to the instrument.
11. Do not disassemble the instrument in case of accidental electrical shock.
12. Always take the instrument to qualified service center in need of repair. You will cause yourself in danger if you open or remove the cover, and improper assembly may cause electrical shock in the future use.
13. Unplug all the connectors and take the instrument to qualified service center if anything in the below list happens:
  - A. The power cord or connector get hurt or worn out.
  - B. Any liquid get in the instrument.
  - C. The instrument gets rain or water splash.
  - D. The instrument dose not work properly after following all the instructions regarding to troubleshooting.
  - E. The instrument falls down or gets broken.
  - F. The instrument functions poorly.
14. Do not use the instrument when thundering; otherwise the thundering may cause long-distance electrical shock.
15. Do not use the instrument when there is gas leak nearby.

## CAUTION:

### Setting up

Do not connect the instrument when thundering.

Do not set up the cord or outlet to moisture place, except for that the outlet is specially designed for moisture.

When the power cord is connected to the AC outlet, do not touch the naked part of cord or connector.

Always follow the instructions carefully when setting up the instrument.

## WARNING:

Do not expose the instrument to rain or moisture, to avoid fire or electrical shock.

## OTHER PRECAUTION:

Keep the instrument away from electrical interface source, such as fluorescent light and electrical motor.

Keep the instrument away from dust, hear and vibration.

Do not expose the instrument to sun light.

Do not place heavy object on the instrument; do not place containers with liquid on the instrument.

Do not touch connectors with wet hand

Central Music Co. is not responsible for any damage or data loss caused by improper operation to the instrument.

All the pictures and LCD display in the manual are used for demonstration; they may be different from a real instrument.

## DISPOSAL NOTES:

Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc.

# TABLE OF CONTENTS

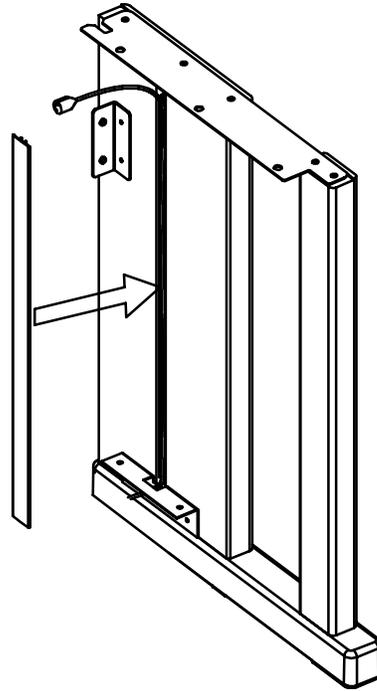
<b>ASSEMBLY</b> .....	5
<b>CONNECTOR PANEL</b> .....	7
<b>PANEL CONTROLS</b> .....	8
<b>DEMO</b> .....	17
<b>KEYBOARD VOICES</b> .....	18
Voice Selection .....	18
Layer (dual) .....	19
Lower (split) .....	19
<b>RHYTHM SECTION</b> .....	21
Rhythm Style Select .....	21
Adjusting the Tempo .....	22
Starting and Stopping the Rhythm Style .....	23
Variation .....	24
Fill-In .....	24
<b>AUTO ACCOMPANIMENT (AUTO BASE CHORD)</b> .....	25
Single .....	25
Fingered .....	26
Piano Chord Mode .....	27
Manual Bass Chord .....	27
Auto Harmony .....	27
Starting and Stopping the Auto Accompaniment .....	28
Variation .....	29
Fill-In .....	29
<b>FUNCTION</b> .....	30
Keyboard Percussion .....	31
Reverb Level .....	31
Chorus Level .....	32
Touch Response .....	32
Split Point for Lower Voice .....	33
Split Point for Auto Accompaniment .....	33
Auto Harmony Type Selecting .....	34
Master Tune .....	35
<b>RECORD</b> .....	36
Recording .....	36
Playback .....	37
<b>REGISTRATION MEMORY</b> .....	39
<b>PLAY ALONG SONGS</b> .....	40
<b>MIDI</b> .....	41
<b>MIDI IMPLEMENTATION CHART</b> .....	43
<b>VOICE LIST</b> .....	44
<b>STYLE LIST</b> .....	47
<b>DRUM KIT LIST</b> .....	48
<b>PEDALS</b> .....	51
<b>SPECIFICATIONS</b> .....	52

# ASSEMBLY

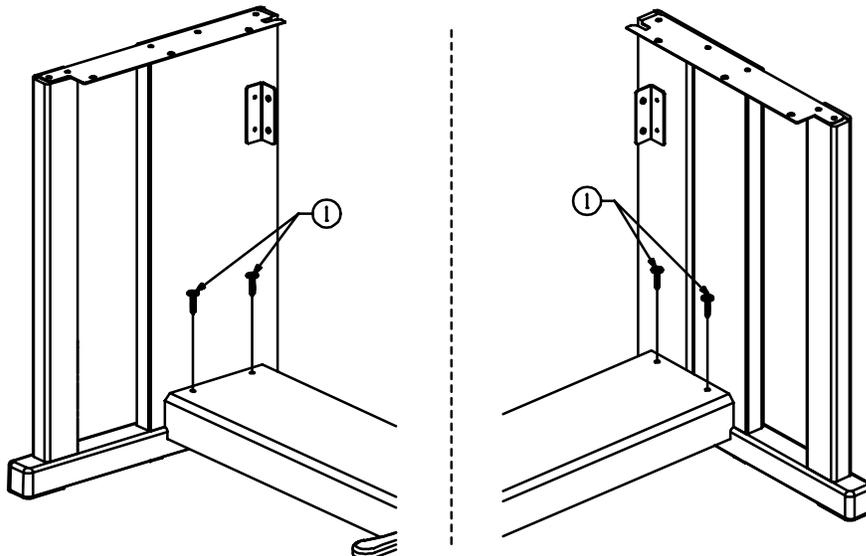
The package contains the following screws:

- (1) Ten M6X20 screws
- (2) Four M6X15 screws
- (3) Six 4X16 selftapping screws
- (4) Two 4X12 selftapping screws

1. **LAYING THE PEDAL CABEL** - Take off the cover of the cabel slot. Lay in the pedal cabel, then insert the cover.

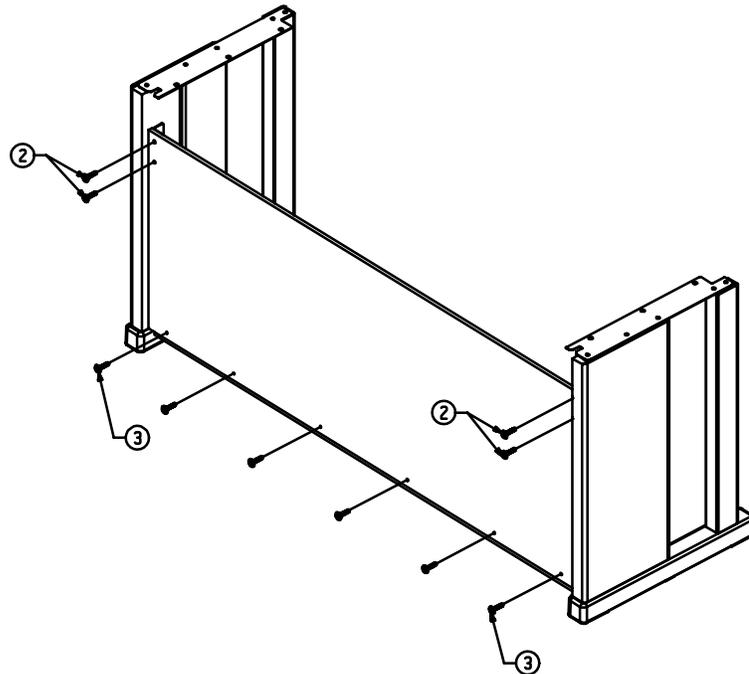


2. **CROSS BAR INSTALLATION** - Fix the pedal cross bar to the leg with the screw (1).

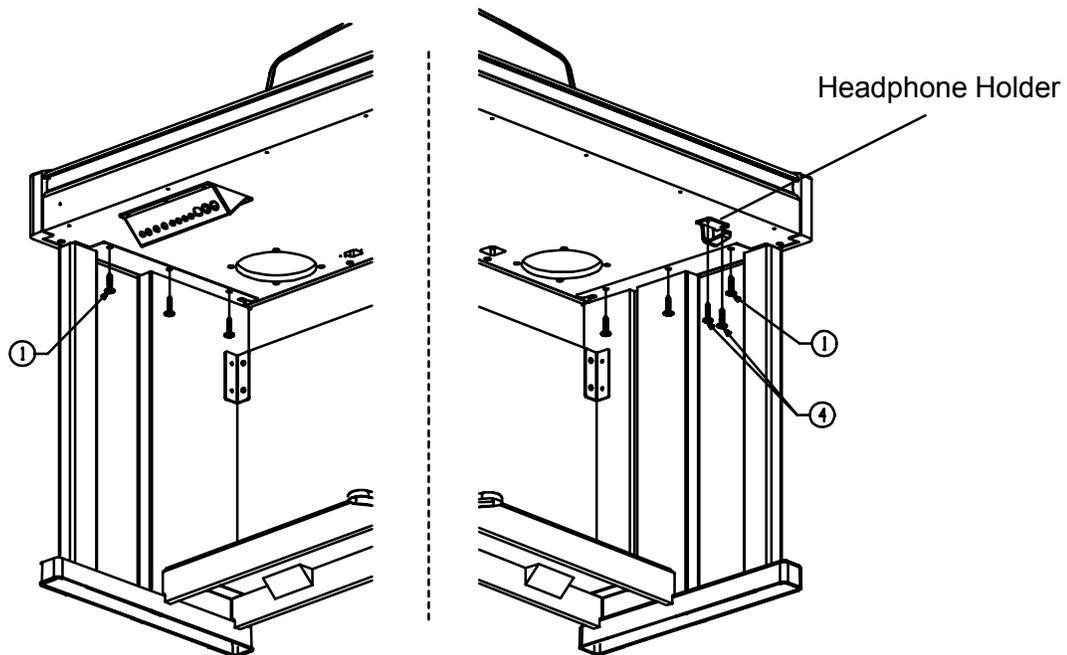


# ASSEMBLY

3. **BACK BOARD INSTALLATION** - Fix the back board to the legs with the screw (3).



4. **FINAL INSTALLATION** - Put the piano body on the assembled stand then fix it with the screw (1). Install the headphone holder in the proper location with the screw (4). Plug the pedal connector into the socket on the bottom.



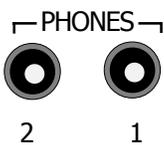
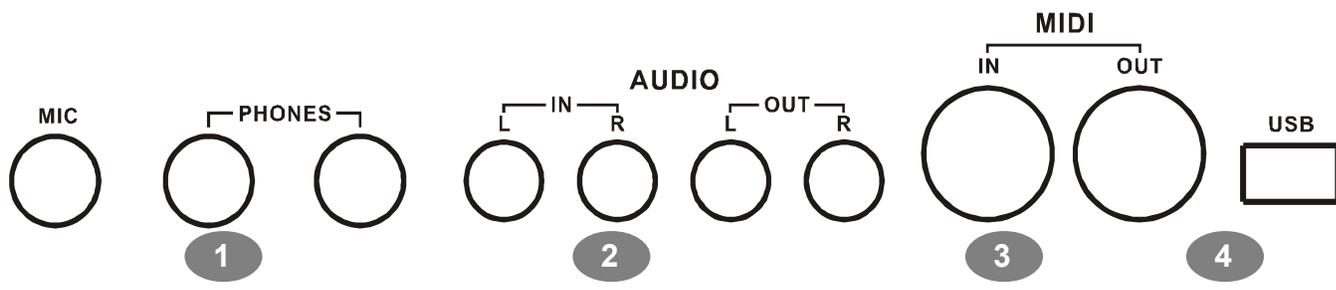
5. **POWER SUPPLY CONNECTION** -

Plug the power cord into the receptacle located on the bottom of the piano. Plug the 3-pin plug in the another end to the AC wall outlet.

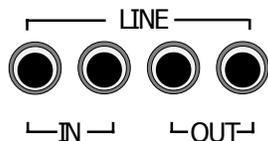


# CONNECTOR PANEL

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

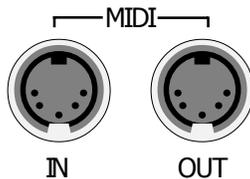


- PHONE 1 / PHONE 2** - You can play in total silence, without disturbing others in the room, by plugging a set of headphones into one of the appropriate sockets. When headphones are plugged into either of these jacks the main speaker system is turned off. Two sets of headphones may be used simultaneously.



- LINE 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.

**LINE 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.



- 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.



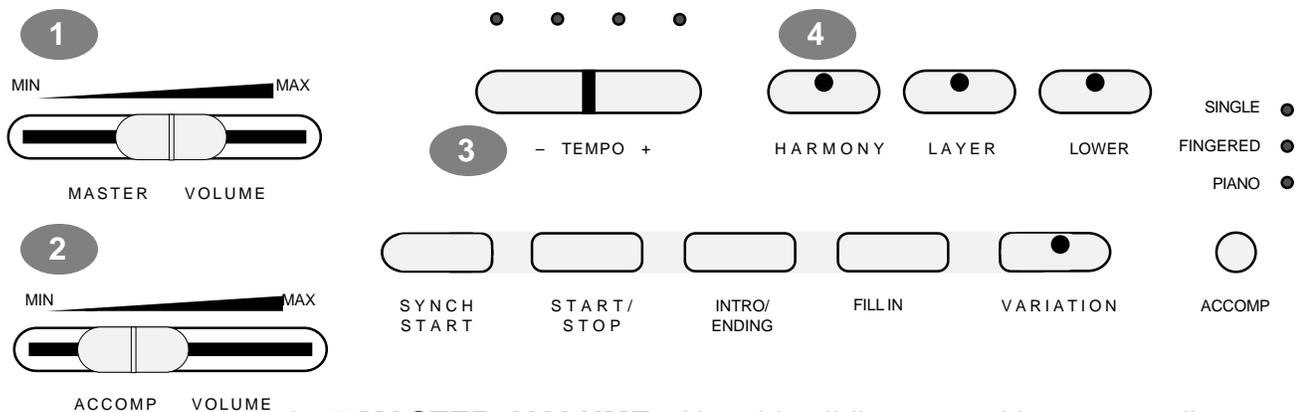
- USB** - The USB connector allows you to connect the piano directly to your computer. The piano can be connected with computer without driver installation under the Windows XP environment. The piano could be recognized as USB Audio device to receive and transmit MIDI message.



- Microphone** - Plug in a microphone to sing song with piano playing.

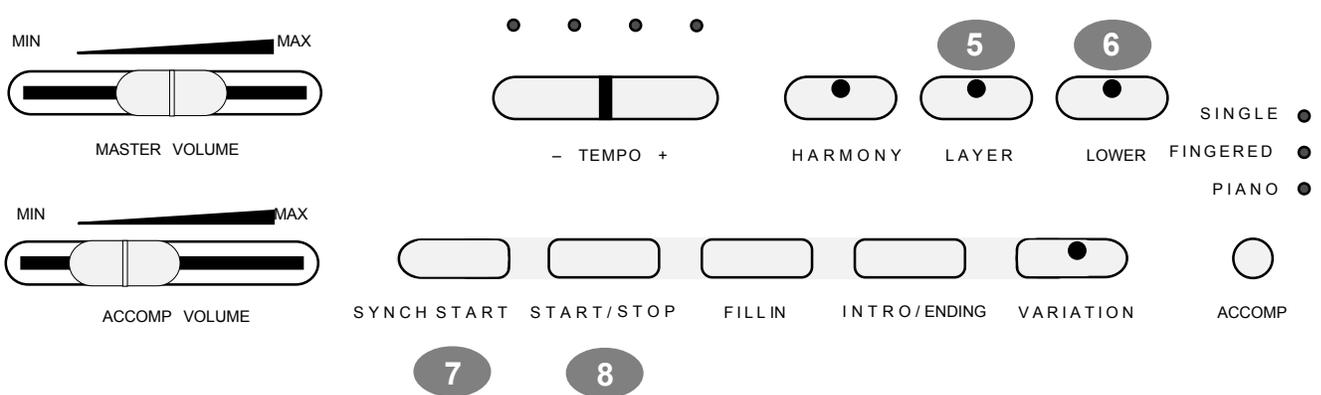
# PANEL CONTROLS

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.



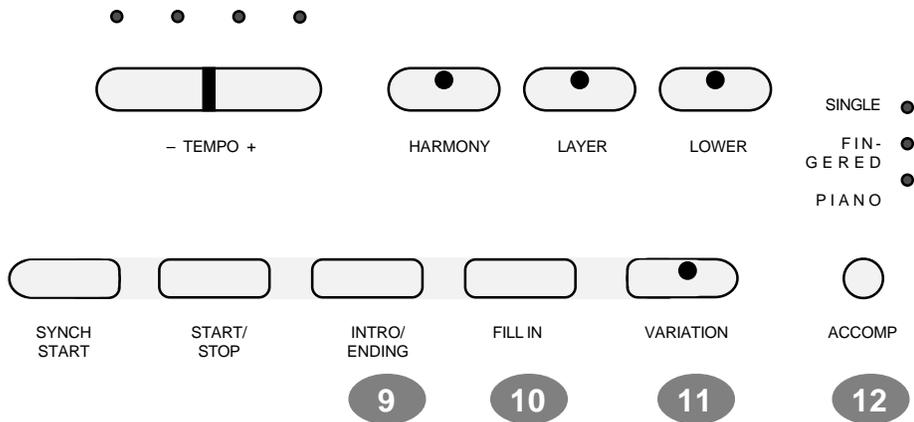
1. **MASTER VOLUME** - Use this sliding control button to adjust the overall volume of the keyboard.
2. **ACCOMP VOLUME** - Slide this controller to adjust the volume of the auto accompaniment only, the keyboard instrument voice will not be affected.
3. **TEMPO** - Press one of the TEMPO buttons, the 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.
4. **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.

# PANEL CONTROLS



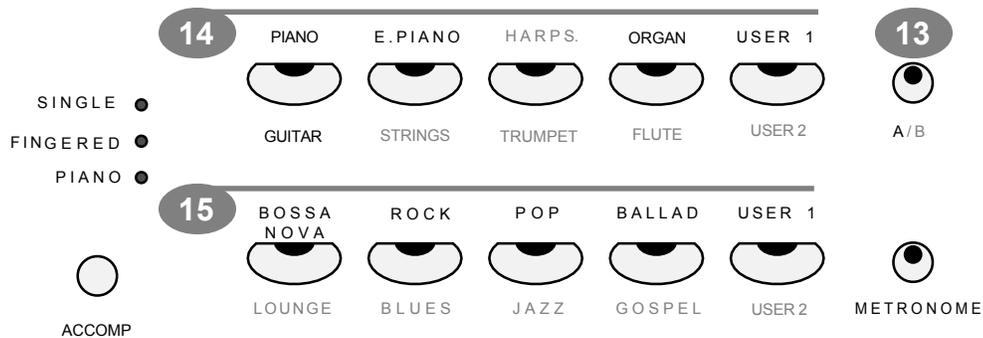
5. **LAYER** - Engaging the LAYER button will put the keyboard in the layer, or dual, mode. Layer, or dual, refers to an additional voice that is tone mixed with the selected keyboard voice. The assigned layer voice will be heard with the original voice. To select a new layered instrument voice use the +Yes or -No buttons within 4 seconds after the Layer button has been engaged.
6. **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 original 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 use the +Yes or -No buttons within 4 seconds after the Lower button has been engaged.
7. **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.
8. **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.

# PANEL CONTROLS



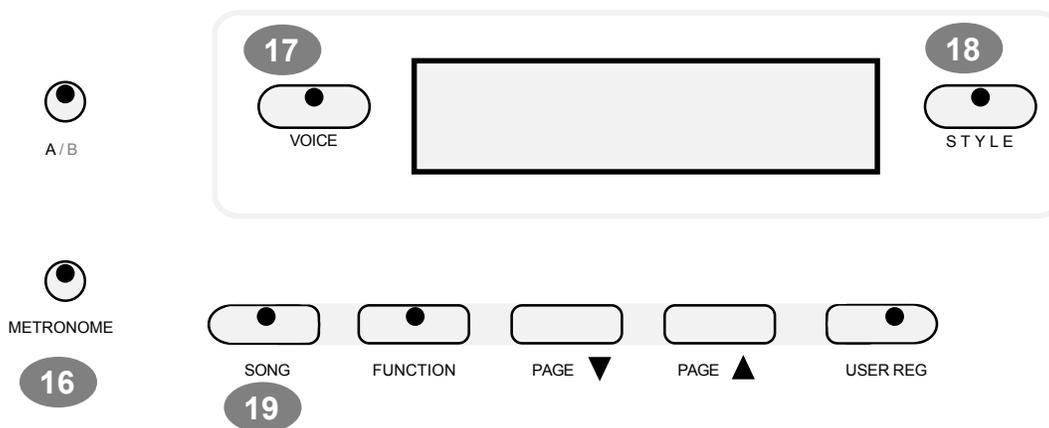
9. **INTRO/ENDING** - All of the 100 rhythm styles can be started or finished with a detailed individual introduction or ending pattern. When engaged, an introduction of rhythm pattern will start followed by the main pattern.  
With a rhythm or accompaniment pattern already engaged the accompaniment 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.
10. **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.
11. **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.
12. **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.

# PANEL CONTROLS



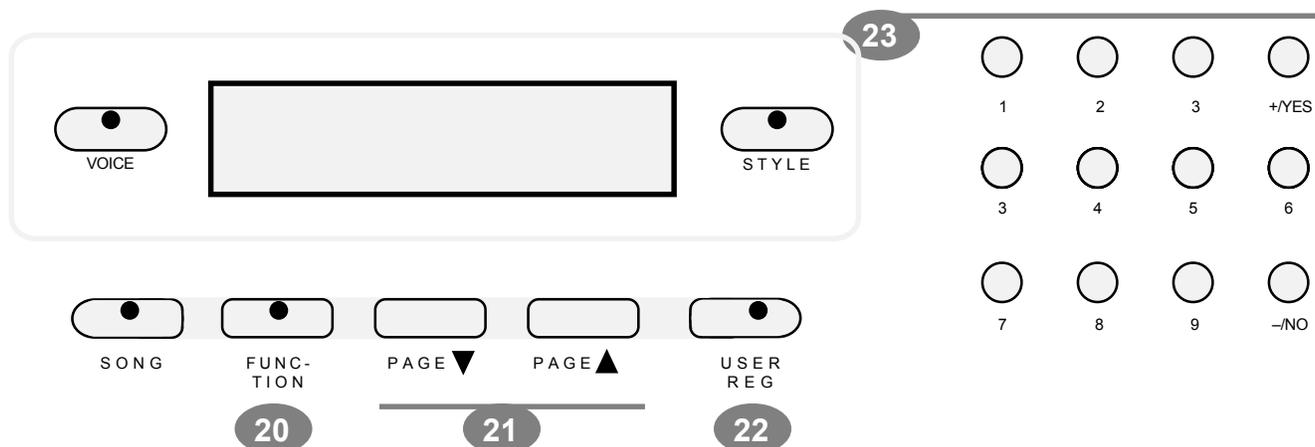
13. **A/B BUTTON** - The five quick select voice and five quick select style buttons are each assigned to a line A and line B. Press the A/B button to alternate between the two selection lines. The indicator light will be lit when selection line B is active. Please see the quick select buttons below for more information.
14. **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.
15. **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 rhythm 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.

# PANEL CONTROLS



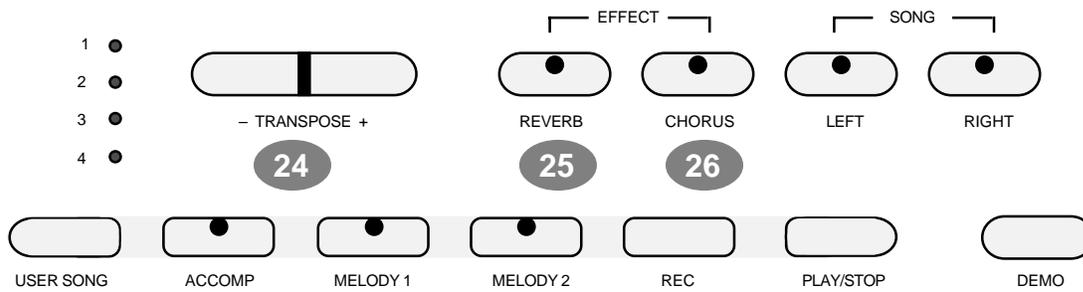
16. **METRONOME:** Press the METRONOME button to engage the built-in metronome. Use the +YES and –NO buttons within three seconds after the metronome has been engaged to select the beat of your choice: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8 or 12/8.
17. **INSTRUMENT VOICE** - There are 128 GM (General MIDI) 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.
18. **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.
19. **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.

# PANEL CONTROLS



- 20. 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.
- 21. 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 s and PAGE t to access the Function menu selections.
- 22. 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.
- 23. 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.
- 24. TRANSPOSE** - The transpose feature can shift the pitch of the

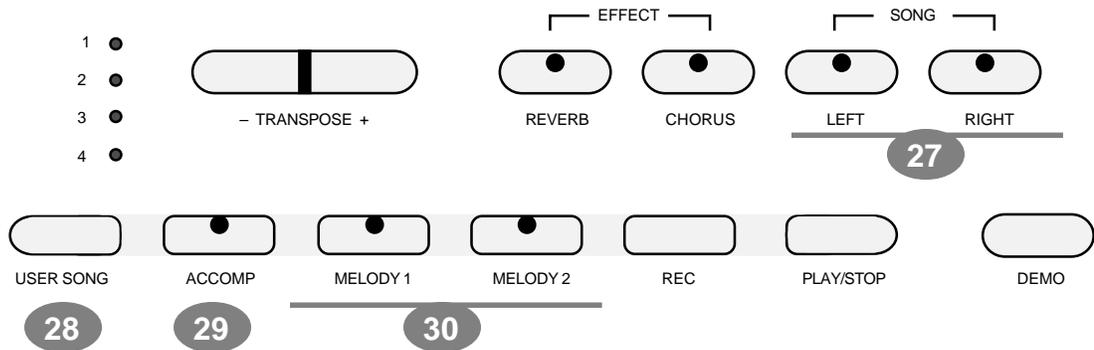
# PANEL CONTROLS



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.

- 25. 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.
- 26. 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.
- 27. SONG LEFT , SONG RIGHT** - These buttons are used in

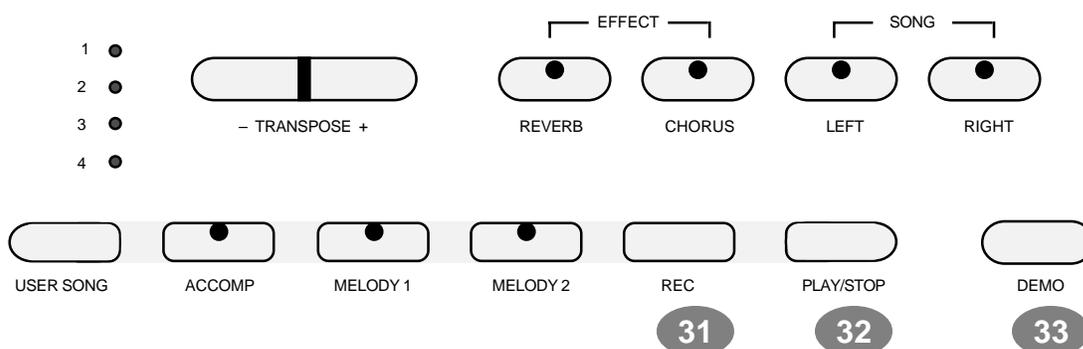
# PANEL CONTROLS



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.

- 28. 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.
- 29. SEQUENCER 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.
- 30. 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.

# PANEL CONTROLS



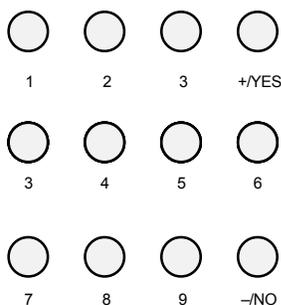
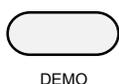
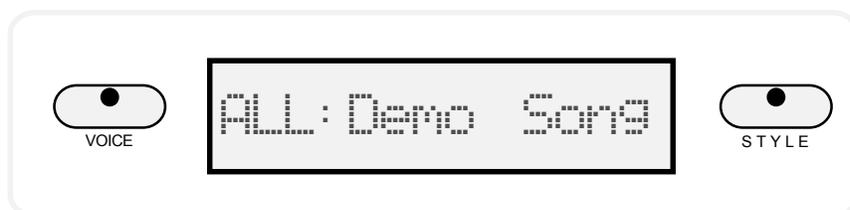
- 31. REC** - This unit is able to record four songs, each with a 3-track sequencer. It will record all note events and the accompaniment patterns exactly as they are performed. This recorded information is nonvolatile and therefore will not be lost when the power is turned off. To Record press and hold 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.
- 32. 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.
- 33. DEMO** - Press the DEMO button. The first demo song will play back instantly. This piano has twelve different demonstration songs. All songs will play repeatedly until you press the DEMO button again to stop the song demonstration. To access an individual demo song press the + Yes or - No buttons when the Demo Feature is engaged. Your individually selected demo song will repeat after completion.

# 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 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.



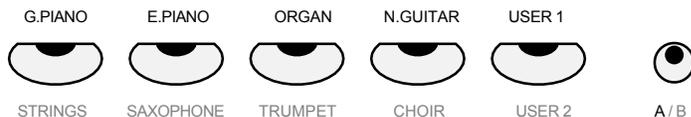
- 2. PLAY A SINGLE DEMO SONG** - Use the +/YES or the -/NO buttons to change songs while the demo is playing, or enter a song number directly by using the numeric pad. Please note that two digits are required for selecting a song number, for example, to select song No. 9 enter “09”. The song will play 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.

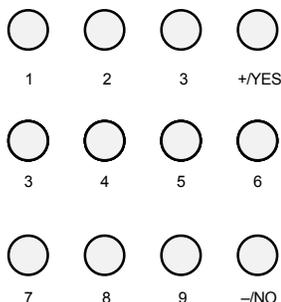
1. Press the A/B button to select a voice kit. Selection of the Instrument Lines will alternate when the A/B button is pressed repeatedly. The indicator will be lit when Line B is selected.
2. Press the voice select button that corresponds to the desired voice in the Instrument Line you have selected.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



# KEYBOARD VOICES

number will show on the display. Please refer to the back of the manual for a list of all available voices.



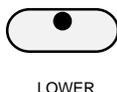
**USER DEFINED QUICK SELECTION BUTTON** - You can assign a favorite voice to the voice quick select button in the follow manner.

1. Press the voice USER button, USER 1 from Line A, or USER 2 from Line B.
2. Select the desired voice by using the numeric pad or the +/YES, -/NO buttons. Please refer to Selecting one of the 138 Voices.
3. 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=65:Soprano Sax, USER 2=063: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.

# KEYBOARD VOICES

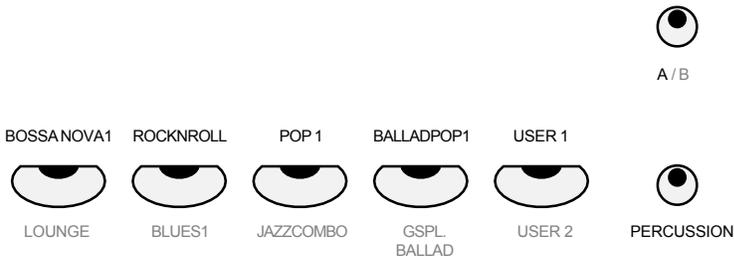


FUNCTION

**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.



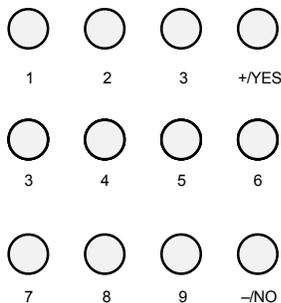
**QUICK SELECT** - There are ten styles that can be selected quickly by pressing one of the five style select buttons. These styles are assigned to Line A and Line B. Each Rhythm Style Line consists of five styles. The style name in Line A is printed above the style select button and the voice name in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

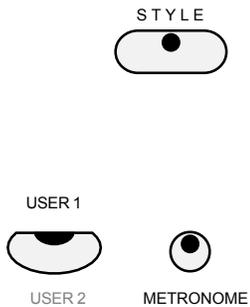


1. Press the STYLE button to engage the style selection mode, the indicator will light up.
2. Use the numeric pad or the +/YES, -/NO buttons to select a style number while the indicator is lit.  
**Please note**, when using the number pads, you must enter two digits to select a style number from 00-99. 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.



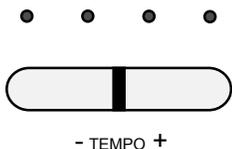
# RHYTHM SECTION

**USER DEFINED QUICK SELECTION BUTTON** - You can assign a favorite rhythm style to the style quick select button in the following manner.



1. Press the voice USER button, USER 1 from Line A, or USER 2 from Line B.
2. Select the desired style by using the numeric pad or the +/YES, -/NO buttons. Please refer to Selecting one of the 100 styles.
3. The currently selected style 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=82:kids 1, USER 2=32:Folk 2)

**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.



# RHYTHM SECTION

**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.

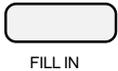
Press the SYNC START button, the beat indicator dots above the TEMPO buttons will blink at the current tempo, showing that the synchronized start mode is ready. The rhythm style will start as soon as you play in the auto accompaniment section of the keyboard. You may add an introduction by pressing the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

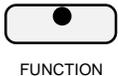
# RHYTHM SECTION



**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.

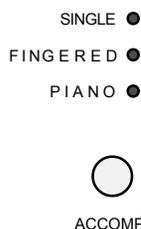


**ASSIGNING THE SPLIT POINT FOR THE AUTO ACCOMPANIMENT** - The keyboard is split into two sections at the split point. The default split point is the G1 key for auto accompaniment. A different split point for the auto accompaniment can be assigned in the Function menu "Auto A.Split". Please see the Function 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 accompaniment 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** - 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 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.

# AUTO ACCOMPANIMENT



**FINGERED MODE** - 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 “Fingering Guide” table below 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

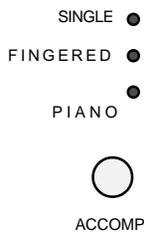
**Please note**, the notes listed in parentheses can be omitted.

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.

# AUTO ACCOMPANIMENT

## AUTO BASS CHORD FINGERING continued



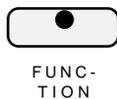
**PIANO CHORD MODE** - When the Piano fingering chord mode is engaged you may enter chords anywhere on the keyboard, and the auto accompaniment will make complete styled arrangements. You are not limited to the auto accompaniment section or the range of the split point. In this regard there is no keyboard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



HARMONY



FUNCTION

**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.**

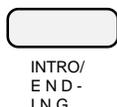
Press the HARMONY button to turn the feature on and off. There are four harmony types that can be selected, duet, close harmony, open harmony, and octave. The harmony type selection is assigned in the Function menu. Use the "Harmony Type" menu to select the type of harmony. Please see the Function section for more information.

# AUTO ACCOMPANIMENT

## 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.



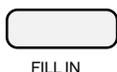
**SYNCHRONIZED START** - Synchronized Start mode makes the auto accompaniment standby. The auto accompaniment will start as soon as you play a recognized chord in the auto accompaniment section of the keyboard.

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.

# AUTO ACCOMPANIMENT



**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** - Use the metronome menu to choose the meter of your choice, 2/4, 3/4, or 4/4 time. When any of the time signatures have been selected, the metronome will be engaged. If the auto accompaniment is playing the metronome sound will replace the percussive rhythm sound immediately. If the auto accompaniment is not engaged, press the METRONOME button to start the metronome, and again to stop it. If the metronome setting is in the "off" position, the metronome will not sound.

1. Press the METRONOME button, the "Metronome" menu appears.

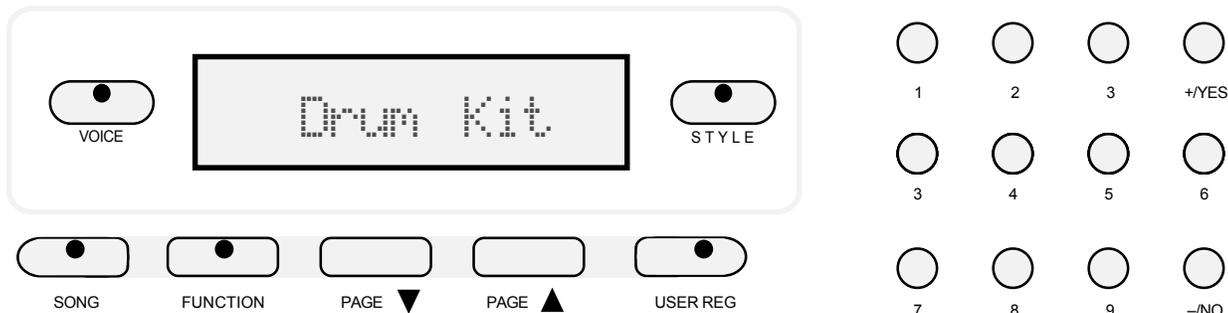
Metronome OFF

2. Use the +/YES or the -/NO to choose the meter of your choice or to turn the metronome off.

Metronome 4/4

# 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 UP or the PAGE DOWN 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.

# FUNCTION

**DRUM KIT SELECTION (KEYBOARD PERCUSSION)** - When keyboard percussion has been engaged using the PERCUSSION button, the entire keyboard will play the percussion voices from the selected Drum kit. There are ten drum kits, based on the Standard Kit, that can be assigned. Kit 10 is a sound effects kit. Please see the “Drum List” at the back of the manual for a complete listing.



Drum Kit

1. Press the FUNCTION button, then the +/YES button to confirm.
2. Press the PAGE UP or the PAGE DOWN buttons until the “Drum Kit” menu appears.
3. Press the +/YES button to confirm your selection. The current drum kit number will be shown.
4. Use the +/YES, -/NO buttons to select a drum kit 01 to 10.



KYBD PERC.01

5. Press the FUNCTION button again to exit the function setting mode. If a kit is selected, the display will show “Percussion ON”.
  6. Use the +/YES, -/NO or number pad to change drum kit 01 to 10. Pressing the -/NO key when KYBD PERC 01 is selected will return to regular Voice mode and display the last selected voice. Pressing the +/YES key when kit 10 is selected will return the piano to regular voice mode and display “Percussion OFF”.
- Press any voice select key to exit the percussion mode quickly.

**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.



ReverbLevel

1. Press the FUNCTION button.
2. Press the PAGE UP or the PAGE DOWN 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 01-16. Press the +/YES, -/NO buttons simultaneously to recover the default setting of 12.
5. Press the FUNCTION button again to exit the function setting mode.



# FUNCTION



**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.

Chorus Level

1. Press the FUNCTION button.
2. Press the PAGE UP or the PAGE DOWN 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 01-16. Press the +/YES, –/NO buttons simultaneously to recover the default setting of 08.
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.

Touch

1. Press the FUNCTION button.
2. Press the PAGE UP or the PAGE DOWN 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.

# FUNCTION



LOWER

**CHANGING THE SPLIT POINT FOR LOWER VOICE** - When the lower mode isn't 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.

Split Point

1. Press the FUNCTION button.
2. Press the PAGE UP or the PAGE DOWN 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.

SINGLE ●  
FIN-  
GERED ●  
PIANO ●

○  
ACCOMP

**CHANGING THE SPLIT POINT FOR AUTO ACCOMPANIMENT** - The split point that divides the keyboard can also be changed in the function menu.

Auto A. Split

1. Press the FUNCTION button.
2. Press the PAGE UP or the PAGE DOWN 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 A0–C3. Press the +/YES, -/NO buttons simultaneously to recover the default setting of G1.

# FUNCTION



HARMONY

**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**

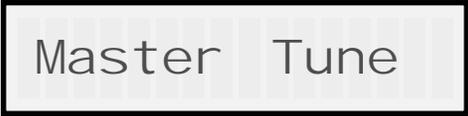
**Octave** add a note one octave below the note you play in the right hand section of the keyboard when the chord accompaniment is playing.

1. Press the FUNCTION button, then the +/YES button to confirm.
2. Press the PAGE UP or the PAGE DOWN 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.

Harmony Type

# FUNCTION

**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.



Master Tune

1. Press the FUNCTION button.
2. Press the PAGE s or the PAGE t 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.

# RECORD

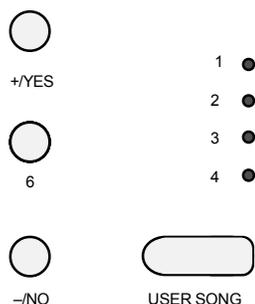
This piano is equipped with a real time recorder, able to store four songs, each with a 3-track sequencer. It will record all note events and the accompaniment as they are performed. This recorded information is nonvolatile and therefore will not be lost when the power is turned off. All the tracks can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

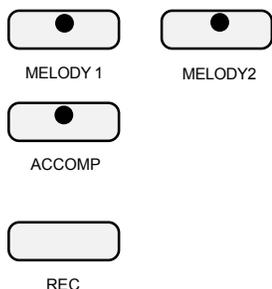
**Auto Accompaniment** will record all the auto accompaniment events just as they are played.

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.

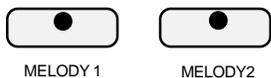
Press the METRONOME button to enable the metronome as a reference when recording only Melody track. The Metronome sound will not be recorded. If you use the metronome when recording the Accomp. Track, the Metronome will play in place of the drum part of the auto accomp.



# RECORD

## RECORDING (continued)

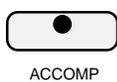
4. **Record** - Your performance can be recorded in the following ways:



### 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

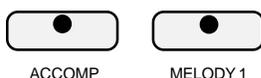
With the Auto Accompaniment ACCOMP engaged recording will start as soon as a chord is played on the auto accompaniment section of the keyboard.

**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.

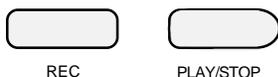


**Please Note:** the contents in a track will be erased as soon you start to record on the selected track.

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.

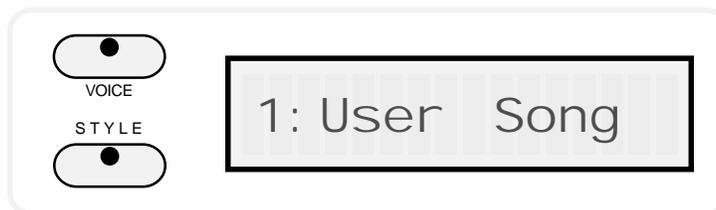
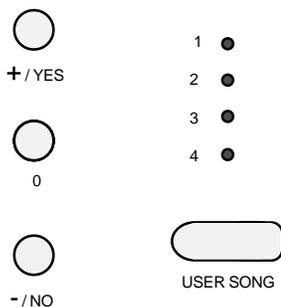
Or when the accompaniment track is being recorded, press the INTRO/ENDING button to stop the recording with an ending pattern in the accompaniment track.



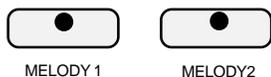
**Please Note:** When the record memory is full, recording will stop automatically and "End" will appear on the display screen.

**PLAYBACK** - To listen to the recorded passage:

# RECORD



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.

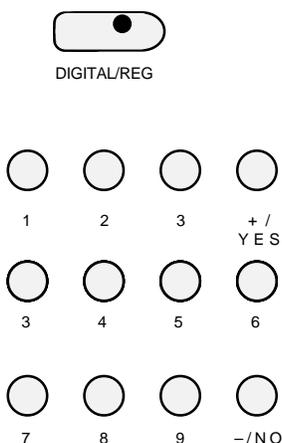
## SAVE YOUR SETTINGS IN THE REGISTRATION MEMORY

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

2. Hold down the REG button.



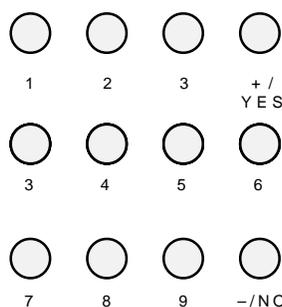
3. Press one of the number pads 1-9. The display will show the current registration memory number with a "b-" prefix. Your panel setting will be saved into that registration memory button instantly.



## 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.



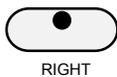
**Right hand play along** - Press the RIGHT button. Then press the START/STOP button, after the metronome sound the auto accompaniment will playback, and you can play the right hand melody notes with the rhythm accompaniment track.



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

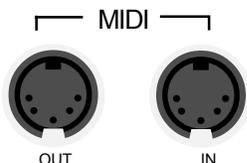


- 4. Stop the Song Function** - Press the SONG button again to exit the Play Along Song Mode.



# 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.



**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

**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.

For further MIDI setup options please see your local Suzuki Music Store.

**Note: When the USB connected with computer, all MIDI message will receive/transmit via USB.**

# MIDI IMPLEMENTATION CHART

Function	Transmitted	Recognized	Remark
Basic Channel	1 CH	1–16 CH	
Channel changed	1–4,7,10,12–15 CH	1–16 CH	
Default Mode	X	3	
Note Number	11–118	0–127	
Velocity: Note On	9nH,V=1–127	9nH,V=1–127	
Note Off	9nH,V=0	9nH,V=0 8nH	
Pitch Bender	X	O	
Control Change:1	X	O	Modulation
5	X	O	Portamento value
7	X	O	Volume
10	X	O	Pan
11	X	O	Expression
64	O	O	Sustain
66	O	O	Sostenuto
67	O	O	Soft pedal
65	X	O	Portamento yes/no
80, 81	O	O	Reverb, chorus program
91, 92	O	O	Reverb, chorus send level
98, 99	X	O	NRPNL, NRPNH
100, 101	X	X	RPNL, RPNH
121	O	O	Reset all controllers
123	O	O	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

O = Yes  
X = No

# VOICE LIST

No.	Name	Display	No.	Name	Display
<b>PIANO</b>			<b>STRINGS</b>		
001	Acoustic Grand Piano	Grand Piano	041	Violin	Violin
002	Bright Acoustic Piano	Bright Piano	042	Viola	Viola
003	Electric Grand Piano	El.G.Piano	043	Cello	Cello
004	Honky-Tonk Piano	Honky-Tonk	044	Contrabass	ContraBass
005	Electric Piano 1	Elec.Piano1	045	Tremolo Strings	TremStrings
006	Electric Piano 2	Elec.Piano2	046	Pizzicato Strings	PizzStrings
007	Harpsichord	Harpsichord	047	Orchestral Harp	OrchHarp
008	Clavichord	Clavichord	048	Timpani	Timpani
<b>CHROMATIC PERCUSSION</b>			<b>ENSEMBLE</b>		
009	Celesta	Celesta	049	String Ensemble 1	StringEnsb1
010	Glockenspiel	Glockenspiel	050	String Ensemble 2	StringEnsb2
011	Music box	Music Box	051	Synth Strings 1	SynthString1
012	Vibraphone	Vibraphone	052	Synth Strings 2	SynthString2
013	Marimba	Marimba	053	Choir Aahs	ChoirAahs
014	Xylophone	Xylophone	054	Voice Oohs	VoiceOohs
015	Tubular Bells	TubularBells	055	Synth Voice	Synth Voice
016	Dulcimer	Dulcimer	056	Orchestra Hit	OrchHit
<b>ORGAN</b>			<b>BRASS</b>		
017	Drawbar Organ	Draw Organ	057	Trumpet	Trumpet
018	Percussive Organ	Percus Organ	058	Trombone	Trombone
019	Rock Organ	Rock Organ	059	Tuba	Tuba
020	Church Organ	ChurchOrgan	060	Muted Trumpet	MutedTrumpet
021	Reed Organ	Reed Organ	061	French Horn	FrenchHorn
022	Accordion	Accordion	062	Brass Section	BrassSection
023	Harmonica	Harmonica	063	Synth Brass 1	SynthBrass1
024	Tango Accordion	Tango Accordn	064	Synth Brass 2	SynthBrass2
<b>GUITAR</b>			<b>REED</b>		
025	Acoustic Nylon Guitar	Nylon Guitar	065	Soprano Sax	SopranoSax
026	Acoustic Steel Guitar	Steel Guitar	066	Alto Sax	Alto Sax
027	Electric Jazz Guitar	Jazz Guitar	067	Tenor Sax	Tenor Sax
028	Electric Clean Guitar	Clean Guitar	068	Baritone Sax	Baritone Sax
029	Electric Muted Guitar	Mute Guitar	069	Oboe	Oboe
030	Overdriven Guitar	Overdrive	070	English Horn	English Horn
031	Distortion Guitar	Dist Guitar	071	Bassoon	Bassoon
032	Guitar Harmonics	GtrHarmonics	072	Clarinet	Clarinet
<b>BASS</b>			<b>PIPE</b>		
033	Acoustic Bass	AcousticBass	073	Piccolo	Piccolo
034	Electric Bass (finger)	Finger Bass	074	Flute	Flute
035	Electric Bass (pick)	Pick Bass	075	Recorder	Recorder
036	Fretless Bass	FretlessBass	076	Pan Flute	Pan Flute
037	Slap Bass 1	SlapBass1	077	Bottle Blow	Bottle
038	Slap Bass 2	SlapBass2	078	Shakuhachi	Shakuhachi
039	Synth Bass 1	Synth Bass1	079	Whistle	Whistle
040	Synth Bass 2	Synth Bass2	080	Ocarina	Ocarina

# VOICE LIST

No.	Name	Display	No.	Name	Display
SYNTH LEAD			SOUND EFFECT		
081	Lead 1 (square)	Square Lead	121	Guitar Fret Noise	Fret Noise
082	Lead 2 (sawtooth)	SawtoothLead	122	Breath Noise	Breath Noise
083	Lead 3 (caliope lead)	CaliopeLead	123	Seashore	Seashore
084	Lead 4 (chiff lead)	Chiff Lead	124	Bird Tweet	Bird Tweet
085	Lead 5 (charang)	Charang Lead	125	Telephone Ring	Telephone
086	Lead 6 (voice)	Voice Lead	126	Helicopter	Helicopter
087	Lead 7 (fifths)	Fifth Lead	127	Applause	Applause
088	Lead 8 (bass + lead)	Bass +Lead	128	Gunshot	Gunshot
SYNTH PAD			<p><b>Please note:</b> 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.</p>		
089	Pad 1 (new age)	New Age Pad			
090	Pad 2 (warm)	Warm Pad			
091	Pad 3 (polysynth)	PolySynthPad			
092	Pad 4 (choir)	Choir Pad			
093	Pad 5 (bowed)	Bowed Pad			
094	Pad 6 (metallic)	Metallic Pad			
095	Pad 7 (halo)	Halo Pad			
096	Pad 8 (sweep)	Sweep Pad			
SYNTH EFFECT					
097	FX 1 (rain)	Rain			
098	FX 2 (soundtrack)	Sound Track			
099	FX 3 (crystal)	Crystal			
100	FX 4 (atmosphere)	Atmosphere			
101	FX 5 (brightness)	Brightness			
102	FX 6 (goblins)	Goblins			
103	FX 7 (echoes)	Echoes			
104	FX 8 (sci-fi)	Sci-Fi			
ETHNIC					
105	Sitar	Sitar			
106	Banjo	Banjo			
107	Shamisen	Shamisen			
108	Koto	Koto			
109	Kalimba	Kalimba			
110	Bagpipe	Bagpipe			
111	Fiddle	Fiddle			
112	Shanai	Shanai			
PERCUSSIVE					
113	Tinkle Bell	Tinkle Bell			
114	Agogo	Agogo			
115	Steel Drums	Steel Drums			
116	Woodblock	WoodBlock			
117	Taiko Drum	Taiko Drum			
118	Melodic Tom	MelodicTom			
119	Synth Drum	Synth Drum			
120	Reverse Cymbal	ReversCymbal			

# VOICE LIST

More ethnic Asian Instruments have been added to the voice list as shown below.

ASIAN FOLK INSTRUMENTS				
No.	Name	Display	Prog. Change	Bank
129	Yangqin	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.

Voice No. 138 will sound as Zheng when playing keys below C4, and as Dizi when playing keys C4 and above.

# STYLE LIST

No.	Name	No.	Name	No.	Name
	<b>Swing</b>				
001.	Swing 1	036.	Disco Dance 1	071.	Fox Trot
002.	Swingin'Organ	037.	Disco Dance 2	072.	Ragtime
003.	Swing Trio	038.	Disco Shuffle	073.	Waltz 1
004.	Slow Swing	039.	Disco Groove	074.	Waltz 2
005.	Dixie	040.	<b>House</b>	075.	Classic 1
006.	Jazz	041.	Dance	076.	Classic 2
007.	Lounge	042.	Dance Pop 1		<b>BALLAD</b>
008.	Shuffle Blues	043.	Dance Pop 2	077.	Ballad
009.	Blues	044.	80's Dance	078.	50's Ballad
	<b>R&amp;B</b>	045.	Dance26	079.	Power Ballad
010.	Gospel 1	046.	Techno	080.	Jazz Ballad
011.	Gospel 2	047.	Rap	081.	Bolero
012.	Reggae 1		<b>ROCK</b>	082.	Slow 16
013.	Reggae 2	048.	Rock1		<b>ACOUSTIC</b>
014.	Motown	049.	Rock2	083.	Kids 1
015.	Shuffle	050.	Slow Rock	084.	Kids 2
016.	R&B 1	051.	Rock n Roll 1	085.	March0 1
017.	R&B 2	052.	Rock n Roll 2	086.	March0 2
018.	R&B Shuf	053.	Surf Rock	087.	March0 3
	<b>POP</b>	054.	Jerry	088.	Polka 1
019.	Pop 1		<b>BOSSA</b>	089.	Polka 2
020.	Pop 2	055.	Bossa Nova	090.	MexPolka
021.	Pop 3	056.	Pop Bossa 1	091.	NewAge
022.	8 Beat Pop 1	057.	Pop Bossa 2		<b>ROCK</b>
023.	8 Beat Pop 2	058.	Fast Bosa	092.	Country
024.	8 Beat Pop 3	059.	Salsa	093.	Country Train
025.	Pop16	060.	Tango	094.	Bluegrass
026.	Pop Acoustic	061.	Merenque	095.	SlowBlus
027.	EasyPop		<b>LATIN</b>		<b>BIG BAND</b>
028.	Funky Pop	062.	Rumba	096.	Latin Big Band
029.	Disco Pop	063.	Beguine	097.	Brodway1
030.	Slow Groove	064.	Samba	098.	Brodway2
031.	Florida	065.	Chacha	099.	Big band
032.	Folk 1	066.	Latin 1	100.	Mambo Band
033.	Folk 2	067.	Latin 2		
034.	Funky		<b>OLDIES</b>		
	<b>DISCO</b>	068.	Hawaiin		
035.	Disco	069.	Hula		
		070.	Boogie		

# DRUM KIT LIST

## DRUM KIT LIST 1

No.-Key	Standard (0) P-1: Standard	Room (8) P-2: Room	Power (16) P-3: Power	Electronic (24) P-4: Electronic	TR-808 (25) P-5: TR-808
27-E <sup>b</sup> 1	High Q	High Q	High Q	High Q	High Q
28-E1	Slap	Slap	Slap	Slap	Slap
29-F1	Scratch Push	Scratch Push	Scratch Push	Scratch Push	Scratch Push
30-F#1	Scratch Pull	Scratch Pull	Scratch Pull	Scratch Pull	Scratch Pull
31-G1	Stick	Stick	Stick	Stick	Stick
32-G#1	Square Click	Square Click	Square Click	Square Click	Square Click
33-A1	Metronome Click	Metronome Click	Metronome Click	Metronome Click	Metronome Click
34-B <sup>b</sup> 1	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell
35-B1	Kick Drum 2	Kick Drum 2	Kick Drum 2	Kick Drum 2	Kick Drum 2
36-C2	Kick Drum 1	Kick Drum 1	Power Kick Drum	Elec Kick Drum	Synth Kick Drum 1
37-C#2	Side Stick	Side Stick	Side Stick	Side Stick	Synth Side Stick
38-D2	Snare Drum 2	Snare Drum 2	Power Snare Drum 2	Elec Snare Drum 2	Synth Snare Drum
39-E <sup>b</sup> 2	Hand Clap	Hand Clap	Hand Clap	Hand Clap	Hand Clap
40-E2	Snare Drum 1	Snare Drum 1	Power Snare Drum 1	Power Snare Drum 1	Snare Drum 1
41-F2	Low Floor Tom 2	Room Low Floor Tom 2	Low Floor Tom 2	Elec Low Floor Tom 2	Synth Low Floor Tom 2
42-F#2	Close Hi-hat	Close Hi-hat	Close Hi-hat	Close Hi-hat	Synth Close Hi-hat
43-G2	Low Floor Tom 1	Room Low Floor Tom 1	Low Floor Tom 1	Elec Low Floor Tom 1	Synth Low Floor Tom 1
44-G#2	Pedal Hi-hat	Pedal Hi-hat	Pedal Hi-hat	Pedal Hi-hat	Synth Pedal Hi-hat
45-A2	Low Tom	Room Low Tom	Low Tom	Elec Low Tom	Synth Low Tom
46-B <sup>b</sup> 2	Open Hi-hat	Open Hi-hat	Open Hi-hat	Open Hi-hat	Synth Open Hi-hat
47-B2	Low-mid Tom	Room Low-mid Tom	Low-mid Tom	Elec Low-mid Tom	Synth Low-mid Tom
48-C3	Hi-mid Tom	Room Hi-mid Tom	Hi-mid Tom	Elec Hi-mid Tom	Synth Hi-mid Tom
49-C#3	Crash Cymbal 1	Crash Cymbal 1	Crash Cymbal 1	Crash Cymbal 1	Synth Crash Cymbal 1
50-D3	High Tom	Room High Tom	High Tom	Elec High Tom	Synth High Tom
51-E <sup>b</sup> 3	Ride Cymbal 1	Ride Cymbal 1	Ride Cymbal 1	Ride Cymbal 1	Ride Cymbal 1
52-E3	Chinese Cymbal	Chinese Cymbal	Chinese Cymbal	Reverse Cymbal	Chinese Cymbal
53-F3	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell
54-F#3	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine
55-G3	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal
56-G#3	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell
57-A3	Crash Cymbal 2	Crash Cymbal 2	Crash Cymbal 2	Crash Cymbal 2	Crash Cymbal 2
58-B <sup>b</sup> 3	Vibra Slap	Vibra Slap	Vibra Slap	Vibra Slap	Vibra Slap
59-B3	Ride Cymbal 2	Ride Cymbal 2	Ride Cymbal 2	Ride Cymbal 2	Ride Cymbal 2
60-C4	Hi Bongo	Hi Bongo	Hi Bongo	Hi Bongo	Hi Bongo
61-C#4	Low Bongo	Low Bongo	Low Bongo	Low Bongo	Low Bongo
62-D4	Mute Conga	Mute Conga	Mute Conga	Mute Conga	Mute Conga
63-E <sup>b</sup> 4	Hi Conga	Hi Conga	Hi Conga	Hi Conga	Hi Conga
64-E4	Low Conga	Low Conga	Low Conga	Low Conga	Low Conga
65-F4	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
66-F#4	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
67-G4	High Agogo	High Agogo	High Agogo	High Agogo	High Agogo
68-G#4	Low Agogo	Low Agogo	Low Agogo	Low Agogo	Low Agogo
69-A4	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
70-B <sup>b</sup> 4	Maracas	Maracas	Maracas	Maracas	Maracas
71-B4	Short Whistle	Short Whistle	Short Whistle	Short Whistle	Short Whistle
72-C5	Long Whistle	Long Whistle	Long Whistle	Long Whistle	Long Whistle
73-C#5	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro
74-D5	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro
75-E <sup>b</sup> 5	Claves	Claves	Claves	Claves	Claves
76-E5	Hi Wood Block	Hi Wood Block	Hi Wood Block	Hi Wood Block	Hi Wood Block
77-F5	Low Wood Block	Low Wood Block	Low Wood Block	Low Wood Block	Low Wood Block
78-F#5	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
79-G5	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica
80-G#5	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle
81-A5	Open Triangle	Open Triangle	Open Triangle	Open Triangle	Open Triangle
82-B <sup>b</sup> 5	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
83-B5	Shaker	Shaker	Shaker	Shaker	Shaker
84-C6	Belltree	Belltree	Belltree	Belltree	Belltree
85-C#6	Castanets	Castanets	Castanets	Castanets	Castanets
86-D6	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
87-E <sup>b</sup> 6	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo

# DRUM KIT LIST

## DRUM KIT LIST 2

No.-Key	Jazz (32) P-6: Jazz	Brush (40) P-7: Brush	Orchestra (48) P-8: Orchestra	Chinese (58) P-9: Chinese	Effects (56) P-10: SFX
27-E <sup>b</sup> 1	High Q	High Q	High Q	Drum + Hey!	
28-E1	Slap	Slap	Slap	Low Pai Gu	
29-F1	Scratch Push	Scratch Push	Scratch Push	Small Cymbal	
30-F#1	Scratch Pull	Scratch Pull	Scratch Pull	Mid Pai Gu	
31-G1	Stick	Stick	Stick	Close Small Cymbal	
32-G#1	Square Click	Square Click	Square Click	Hi Pai Gu	
33-A1	Metronome Click	Metronome Click	Metronome Click	Close Jing Luo	
34-B <sup>b</sup> 1	Metronome Bell	Metronome Bell	Metronome Bell	Jing Luo	
35-B1	Jazz Bass Drum	Jazz Bass Drum	Orche Bass Drum 2	Small Luo	
36-C2	70 Bass Drum 1	70 Bass Drum	Orche Bass Drum 1	Kick Drum 2	
37-C#2	Side Stick	Side Stick	Side Stick	Kick Drum 1	
38-D2	Snare Drum 2	Brush Tap	Orche Snare Drum 2	Side Stick	
39-E <sup>b</sup> 2	Hand Clap	Brush Slap	Hand Clap	Snare Drum 2	High-Q
40-E2	Snare Drum 1	Brush Swirl	Orche Snare Drum 1	Hand Clap	Slap
41-F2	Low Floor Tom 2	Low Floor Tom 2	Timpani F	Snare Drum 1	Scratch Push
42-F#2	Close Hi-hat	Close Hi-hat	Timpani F#	Low Floor Tom 2	Scratch Pull
43-G2	Low Floor Tom 1	Low Floor Tom 1	Timpani G	Close Hi-hat	Stick
44-G#2	Pedal Hi-hat	Pedal Hi-hat	Timpani G#	Low Floor Tom 1	Square Click
45-A2	Low Tom	Low Tom	Timpani A	Pedal Hi-hat	Metronome Click
46-B <sup>b</sup> 2	Open Hi-hat	Open Hi-hat	Timpani A#	Low Tom	Metronome Bell
47-B2	Low-mid Tom	Low-mid Tom	Timpani B	Open Hi-hat	Gr. Cut Noise1 (down)
48-C3	Hi-mid Tom	Hi-mid Tom	Timpani C	Low-mid Tom	Gr. Cut Noise2 (up)
49-C#3	Crash Cymbal 1	Crash Cymbal 1	Timpani C#	Hi-mid Tom	Bass Slap
50-D3	High Tom	High Tom	Timpani D	Crash Cymbal 1	Bass Pick
51-E <sup>b</sup> 3	Ride Cymbal 1	Ride Cymbal 1	Timpani D#	High Tom	Key Click
52-E3	Chinese Cymbal	Chinese Cymbal	Timpani E	Ride Cymbal 1	Laughing
53-F3	Ride Bell	Ride Bell	Timpani F	Chinese Cymbal	Screaming
54-F#3	Tambourine	Tambourine	Tambourine	Ride Bell	Punch
55-G3	Splash Cymbal	Splash Cymbal	Splash Cymbal	Tambourine	Heart Beat
56-G#3	Cowbell	Cowbell	Cowbell	Splash Cymbal	Footstep 1
57-A3	Crash Cymbal 2	Crash Cymbal 2	Orche Crash Cymbal	Cowbell	Footstep 2
58-B <sup>b</sup> 3	Vibra Slap	Vibra Slap	Vibra Slap	Crash Cymbal 2	Applause
59-B3	Ride Cymbal 2	Ride Cymbal 2	Orche Cymbal	Vibra Slap	Door Creaking
60-C4	Hi Bongo	Hi Bongo	Hi Bongo	Ride Cymbal 2	Door Closing
61-C#4	Low Bongo	Low Bongo	Low Bongo	Hi Bongo	Scratch
62-D4	Mute Conga	Mute Conga	Mute Conga	Low Bongo	Wind Chime
63-E <sup>b</sup> 4	Hi Conga	Hi Conga	Hi Conga	Mute Conga	Car Engine Starting
64-E4	Low Conga	Low Conga	Low Conga	Hi Conga	Car Crash
65-F4	High Timbale	High Timbale	High Timbale	Low Conga	Car Pass
66-F#4	Low Timbale	Low Timbale	Low Timbale	High Timbale	Police Siren
67-G4	High Agogo	High Agogo	High Agogo	Low Timbale	Train
68-G#4	Low Agogo	Low Agogo	Low Agogo	High Agogo	Jet Plane
69-A4	Cabasa	Cabasa	Cabasa	Low Agogo	Helicopter
70-B <sup>b</sup> 4	Maracas	Maracas	Maracas	Cabasa	Starship
71-B4	Short Whistle	Short Whistle	Short Whistle	Maracas	Gun Shot
72-C5	Long Whistle	Long Whistle	Long Whistle	Short Whistle	Laser Gun
73-C#5	Short Guiro	Short Guiro	Short Guiro	Long Whistle	Explosion
74-D5	Long Guiro	Long Guiro	Long Guiro	Short Guiro	Horse Gallop
75-E <sup>b</sup> 5	Claves	Claves	Claves	Long Guiro	Birds
76-E5	Hi Wood Block	Hi Wood Block	Hi Wood Block	Claves	Rain
77-F5	Low Wood Block	Low Wood Block	Low Wood Block	Hi Wood Block	Thunder
78-F#5	Mute Cuica	Mute Cuica	Mute Cuica	Low Wood Block	Wind
79-G5	Open Cuica	Open Cuica	Open Cuica	Mute Cuica	Sea Shore
80-G#5	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle	Stream
81-A5	Open Triangle	Open Triangle	Open Triangle	Open Triangle	Bubble
82-B <sup>b</sup> 5	Cabasa	Cabasa	Cabasa	Low Pai Gu	
83-B5	Shaker	Shaker	Shaker	Small Cymbal	
84-C6	Belltree	Belltree	Belltree	Mid Pai Gu	
85-C#6	Castanets	Castanets	Castanets	Mute Small Cymbal	
86-D6	Mute Surdo	Mute Surdo	Mute Surdo	Hi Pai Gu	
87-E <sup>b</sup> 6	Open Surdo	Open Surdo	Open Surdo	Mute Jing Gong	

# DRUM KIT LIST

**Please Note:** For the drum kit lists on the previous two pages, in the first title row, the number in the bracket, after the kit name, is the MIDI program number. The Drum kits name and number that are shown on the LCD display are listed in the second title row.

The “No.” refers to MIDI note number, and “Key” refers to the key on the keyboard.

A blank space in the table mean there is no sound there.

Keys from A0 to D1 sound as timpani, except for in Kit 10, the effects kit.

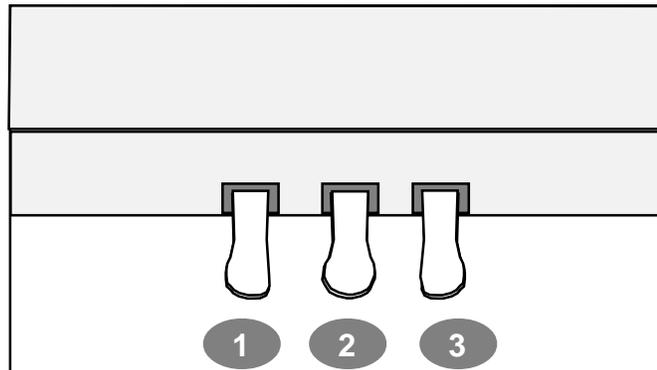
Keys from E6 to C8 sound the same as the D#1 to B6 keys, except for Kit 9, the Chinese kit.

A list of the sounds of E6 to C8 for Kit 9, Chinese kit are listed below.

## KIT 9 COMPLEMENT

No. - Key	Sound
88-E6	Drum + Hey!
89-F6	Low Pai Gu
90-F#6	Small Cymbal
91-G6	Mid Pai Gu
92-G#6	Mute Small Cymbal
93-A6	High Pai Gu
94-A36	Mute Jing Gong
95-B6	Jing Gong
96-C7	Small Gong

# PEDALS



## PIANO PEDALS

1. **SOFT PEDAL** - When the left pedal is engaged the piano volume is reduced and the timbre slightly altered on the notes that are played.
2. **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.
3. **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.

# SPECIFICATIONS

## KEYBOARD

88-note, hammer-action keyboard

**MAX. POLYPHONY:** 32

## VOICES

138 Voices

(Including ten Asian folk instrument voices)

Ten quick select voice buttons

## VOICE MODE

Layer (dual) voice

Lower (split) voice

## VOICE EFFECTS

Reverb

Chorus

## SET UP

Power On/Off

Main Volume Control: Min-Max

Accomp Volume Control: Min-Max

**NUMERIC PAD:** 12

**DISPLAY:** 16-Character LCD

**REGISTRATION MEMORY:** 9

**DEMONSTRATION:** Ten songs,

**RECORDING:** Four songs, 3 track recording

## OVERALL CONTROL

Transpose

Tempo

Touch response: soft, normal, hard, fixed

Voice split point

Accompaniment split point

## AUTO BASS CHORD MODE

Single

Fingered

Piano

Off

## AUTO ACCOMPANIMENT STYLE

100 Auto accompaniment styles

Ten quick select style buttons

## ACCOMPANIMENT CONTROL

Synchro start

Start/Stop

Introduction

Ending

Fill-In

Variation

Metronome

Auto harmony (four types)

## PLAY ALONG SONGS

50 songs

Right hand, left hand or both hands performance

## FUNCTION

Metronome

Reverb level

Chorus level

Touch Sensitivity

Split point for voice

Split point for auto accompaniment

Master Tune

Drum kit selection

Harmony type selection

## AUXILIARY JACKS

Headphone x 2

Line Out

Line In

Power In

MIDI In/Out/Through

Microphone In

## PEDALS

Sustain Pedal

Sostenuto Pedal

Soft Pedal

**VOLTAGE:** AC 120V

**AMPLIFIER:** 20W x 2

## DIMENSIONS

1377mm x 510mm x 862mm

**WEIGHT:** 70 Kg

## STANDARD ACCESSORIES

Music stand

Owner's manual

Play Along Song Book