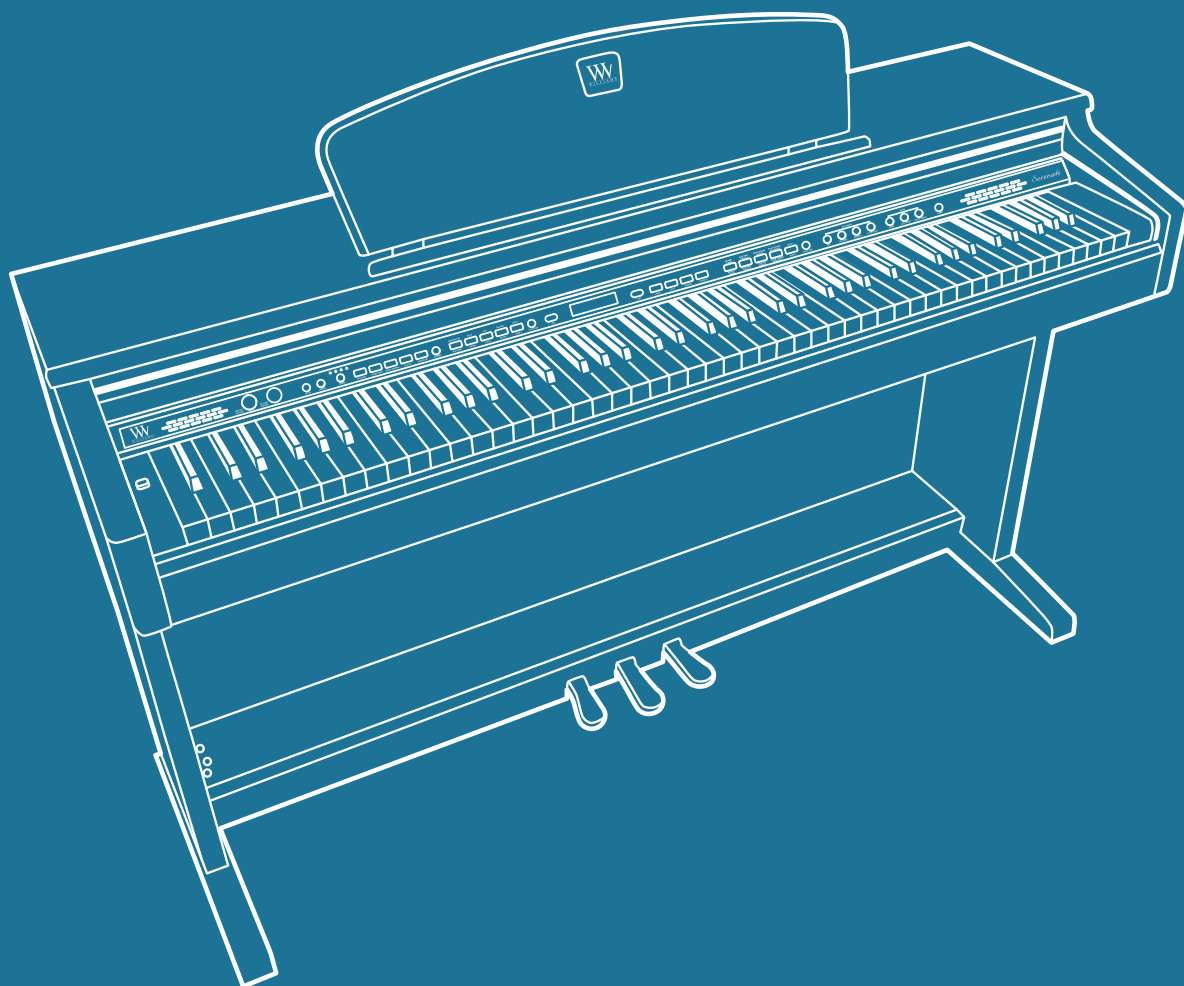


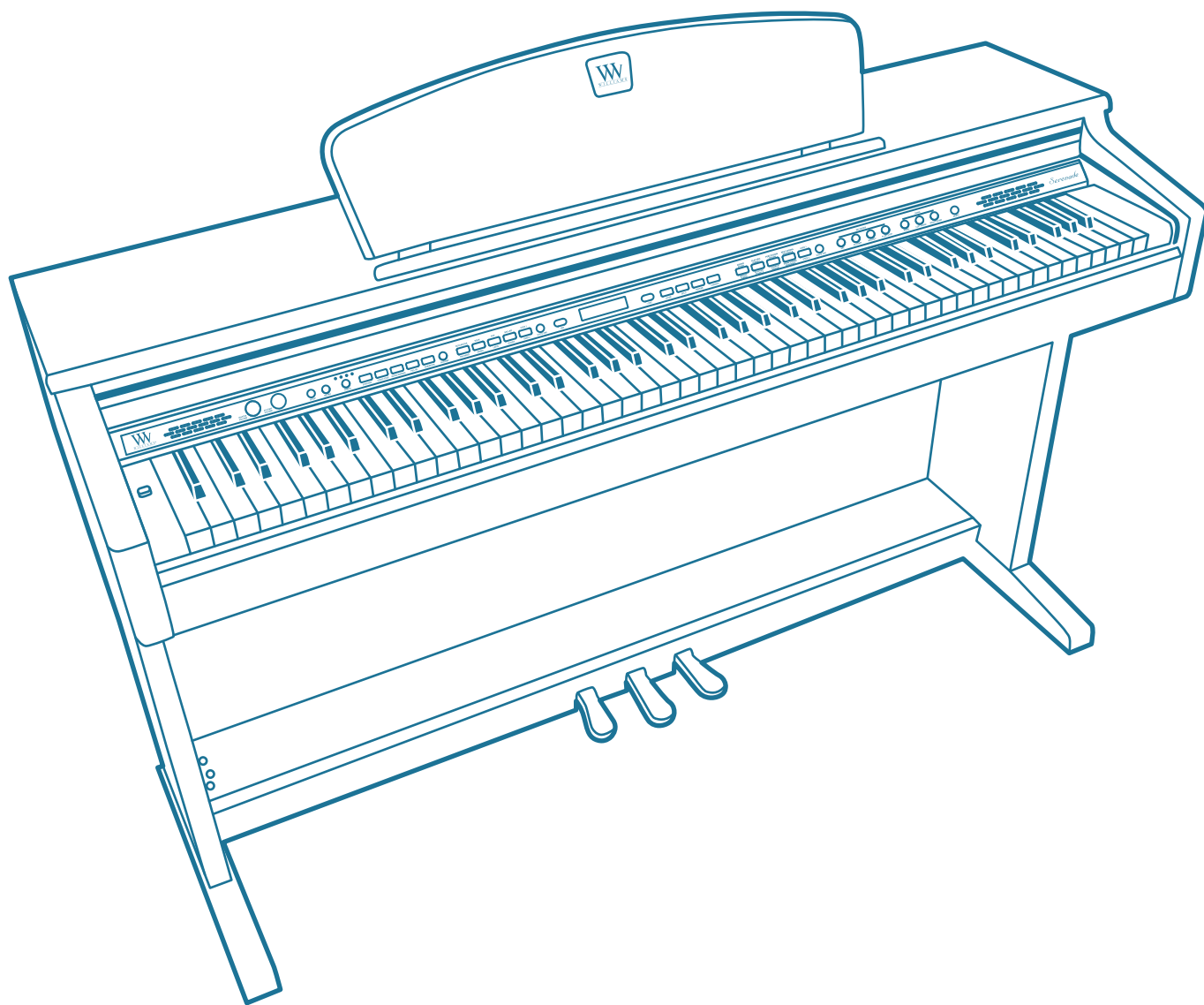
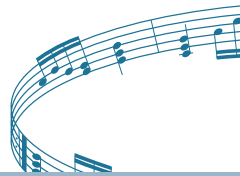


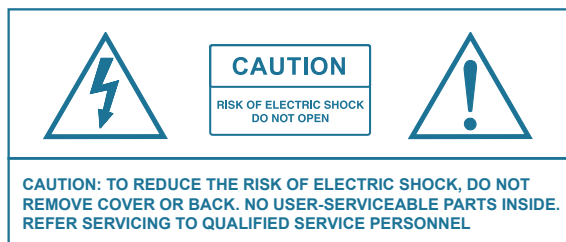
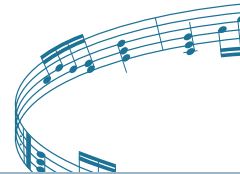
*Williams Serenade Piano
Owner's Manual*



Sound. Style. Value.

Williams Serenade Piano





IMPORTANT SAFETY INSTRUCTIONS

Do not use near water.

Clean only with a soft, dry cloth.

Do not block any ventilation openings.

Do not place near any heat sources such as radiators, heat registers, stoves, or any other apparatus (including amplifiers) that produces heat.

Do not remove the polarized or grounding-type plug.

Protect the power cord from being walked on or pinched.

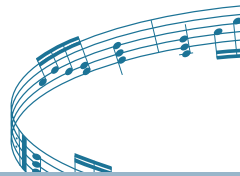
Only use the included attachments/accessories.

Unplug this apparatus during lightning storms or when unused for a long period of time.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

FCC STATEMENTS

- 1) Caution: Changes or modifications to this unit 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.



INTRODUCTION

Congratulations! You have just purchased a state of the art digital piano that provides remarkable acoustic sound and feel. We recommend that you read through this owner's manual carefully, so you can get the most enjoyment from your new piano.

Features include:

- 88 weighted, graded, hammer-action, velocity-sensitive keys
- 8 piano & keyboard sounds
- Metronome feature with variable tempo to facilitate practice or recording
- Two-track recorder allowing song recording and playback
- Demo songs
- MIDI In/Out connections
- Stereo/mono line out jacks
- Sustain pedal

Note: Unlike an acoustic piano, this digital piano does not need to be tuned.

BEFORE YOU GET STARTED

Shipment

Your piano was carefully packed at the factory, and the packaging was designed to protect the unit from rough handling. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage which may have occurred during transit.

- If the unit is damaged, notify your dealer and the shipping company immediately. Otherwise, claims for damage or replacement may not be honored.
- Always use the original packing carton to prevent damage during storage or transport.
- Make sure that no children are left unsupervised with the piano or its packaging.
- Please ensure proper disposal of all packing materials.

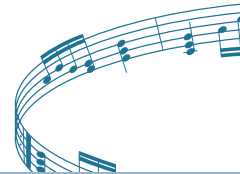


TABLE OF CONTENTS

TAKING CARE OF YOUR DIGITAL PIANO.....	6	SETUP MENU	22
ASSEMBLY	8	Equalization.....	22
REAR PANEL CONNECTIONS.....	10	Reverb Type	23
PEDALS	10	Reverb Level	23
PANEL CONTROLS.....	11	Chorus Type	23
KEYBOARD VOICES.....	14	Chorus Level.....	23
Voice Selection.....	14	Split Point for Lower Voice	23
Layer Voice.....	14	Split Point for Auto Accompaniment.....	24
Split Voice	15	Auto Accompaniment Fingering Mode	24
RHYTHM STYLES.....	15	Auto Harmony	24
Rhythm Style Selection	15	Auto Harmony Type	24
AUTO ACCOMPANIMENT	16	Touch Response.....	24
Auto Accompaniment Split Point	16	Transpose.....	25
Auto Accompaniment Chord Fingering	16	Octave	25
Using the Auto Accompaniment	17	Master Tune.....	25
Auto-Harmony.....	18	Vocal Grading.....	25
Adjusting the Tempo.....	18	Local.....	25
Metronome.....	18	Reset.....	25
DEMO.....	19	MIDI.....	26
RECORDER	19	MIDI IMPLEMENTATION CHART.....	27
Record.....	20	MAIN VOICE LIST	28
Playback.....	20	GM VOICE LIST	29
Erasing Track.....	21	STYLE LIST	30
PLAY-ALONG SONGS.....	21	CHORD FINGERING GUIDE	31
		DEMO & PLAY-ALONG SONGS LISTS	32
		SPECIFICATIONS	33



TAKING CARE OF YOUR DIGITAL PIANO

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

Warning

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

Power

- The instrument should be placed where it is easy to unplug the power plug.
- Unplug the power plug during lightning storms, cleaning or when not used for long periods of time.
- Turn the power switch off when the instrument is not in use.
- Turn the power switches of all related devices off prior to connection or disconnection of MIDI cables.
- Turn the power off if the main cable is damaged or the instrument is spattered with liquid.
- Do not switch the unit on and off in quick succession, this places an undue load on the electronic components.
- Avoid plugging the AC power cord into the same AC outlet as appliances with high power consumption, such as electric heaters or refrigerators.

Service and Modification

This product should be serviced by qualified Service Technician when:

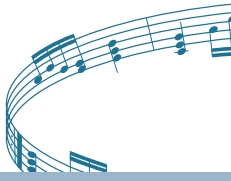
- The power supply cord or the plug has been damaged,
- Liquid has been spilled into the unit or it has been exposed to rain,
- The instrument does not appear to operate normally or exhibits a marked change in performance.
- The instrument has been dropped or the cabinet has been damaged.
- Do not attempt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

Handling and Transport

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

Cleaning

- For Veneer Style Wood finish, a standard polish similar to “Pledge” is acceptable or use a dry “anti-static” cloth.
- To maintain the luster of the keys and buttons, wipe with a clean, slightly damp cloth, and then polish with a soft dry cloth.



Location

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



ASSEMBLY

Please follow these instructions to safely assemble your piano in just a few short moments.

Tool required: Phillips screwdriver.

1 Check the Package Contents:



(A) Eight large screws



(B) Two small screws



(C) Four large self-tapping screws



(D) Two small self-tapping screws

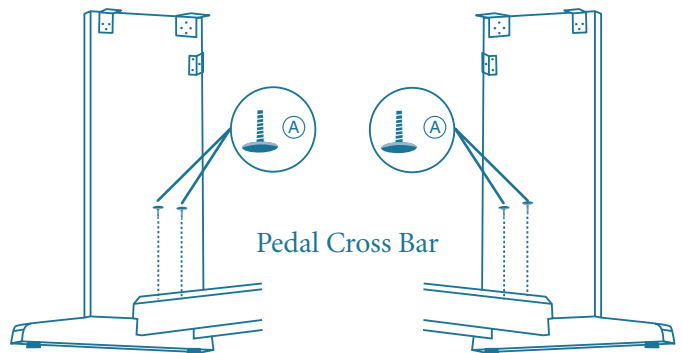


Headphone Holder

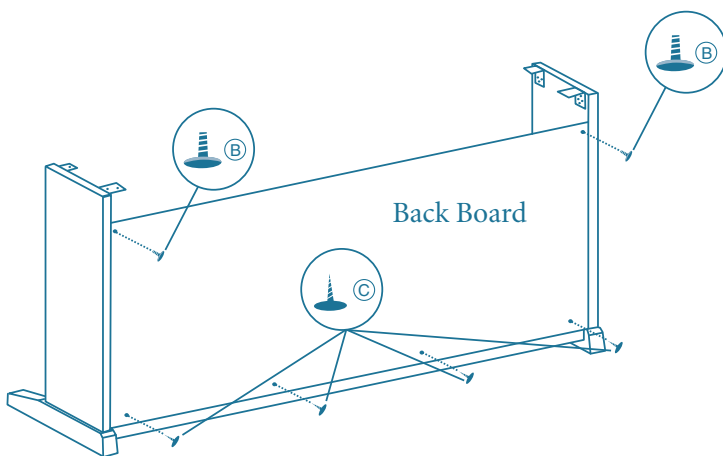
2 Install the Pedal Cross Bar

Sideboard (Left)

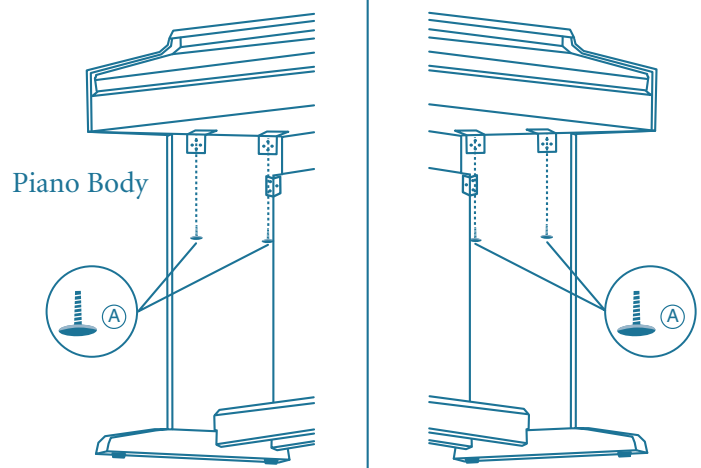
Sideboard (Right)



3 Install the Back Board

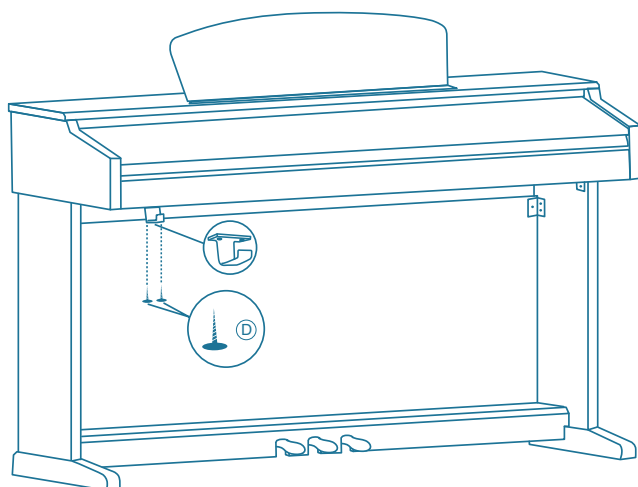


4 Attach the Piano Body

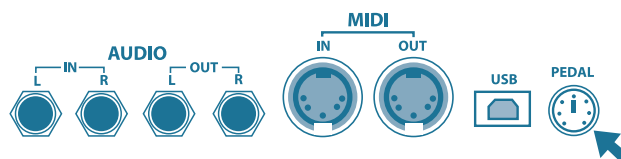




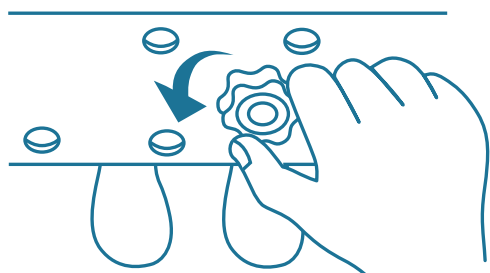
5 Install the Headphone Holder



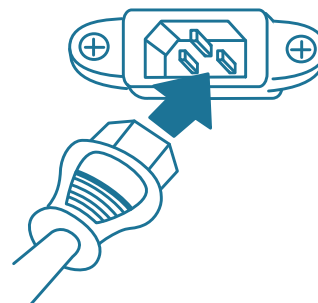
6 Plug in Pedal Cable



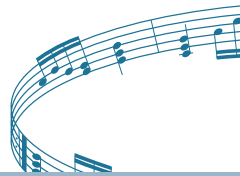
7 Screw Down the Brace Pedal Knob (to secure Pedal Cross Bar to floor)



8 Plug in the Power Cord

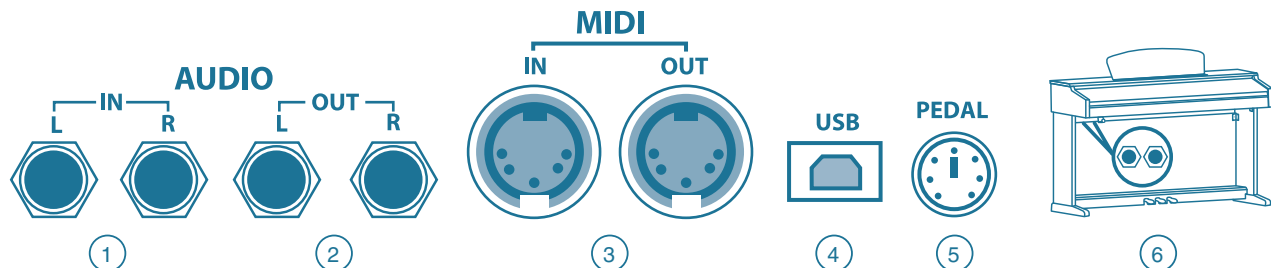


Now that the piano is fully assembled, make sure to read the following user's manual to get the most enjoyment from your new Williams piano.



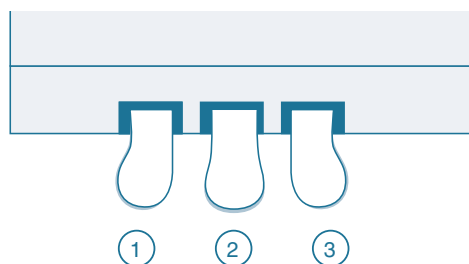
REAR PANEL CONNECTIONS

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



- ① **Line In** – 1/4" unbalanced stereo input jacks for playing external audio sources such as CD or MP3 players through the piano speakers.
- ② **Line Out** – 1/4" unbalanced stereo output jacks for connecting the piano to external recording devices or PA systems. The volume of this jack is fixed, and sends a signal even when headphones are plugged in.
- ③ **MIDI In / MIDI Out** – The Serenade 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.
- ④ **USB** – The USB connector allows you to connect the piano directly to your computer. The piano can be connected to a computer without driver installation under the Windows XP environment. The piano will be recognized as a USB Audio device that receives and transmits MIDI messages. The USB port does not transmit digital audio.
- ⑤ **Pedal** – Connection for the Mini DIN cable from the pedal assembly. The pedals will not work if the pedal cable is not connected.
- ⑥ **Phone 1/Phone 2** – Phone jacks are located on the bottom left of the piano. When headphones are plugged into either of these jacks the main speaker system is turned off. Two sets of headphones may be used simultaneously.

PEDALS

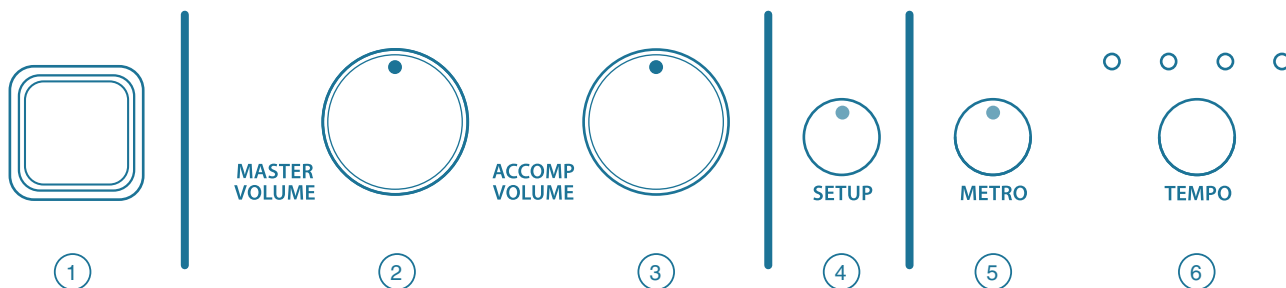


- ① **Soft Pedal** – When engaged, the piano volume is reduced and the timbre slightly altered on the notes that are played.
- ② **Sostenuto Pedal** – When engaged, the keys that were previously played will sustain. Keys played after the pedal is pressed are not affected.
- ③ **Sustain Pedal** – When 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.



PANEL CONTROLS

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



- ① **Power Switch** – Press this button to turn the power On/Off. The button is located to the left of the keyboard.

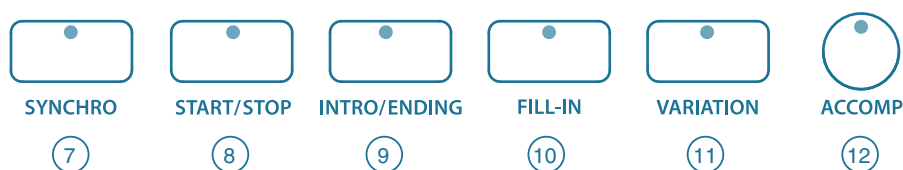
Note: When you turn the power off, do not turn it back on immediately. Wait at least five seconds to turn the power back on so that the electronic circuits can properly reset.

- ② **Master Volume** – Adjusts the overall volume of the keyboard.
- ③ **Accomp Volume** – Adjusts the volume of the auto accompaniment and metronome.

- ④ **Setup** – The SETUP button accesses the SETUP menu to change parameters for: reverb level, chorus level, touch response, split point for voice, auto accompaniment split point, tuning and the auto harmony type etc. Please see the SETUP section of this manual for more information.

- ⑤ **Metronome** – Press the METRO button to engage the built-in metronome.

- ⑥ **Tempo** – Press the TEMPO button to change the metronome tempo using the +/YES and –/NO buttons.



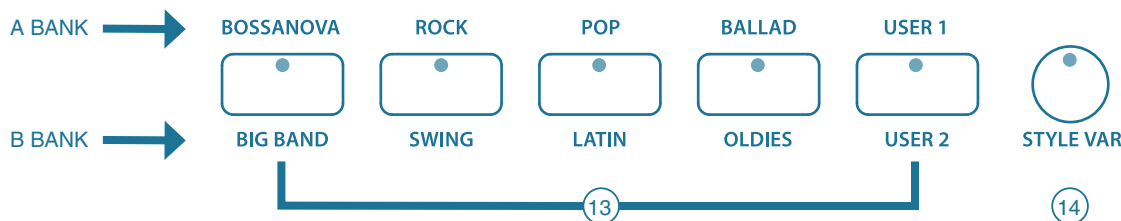
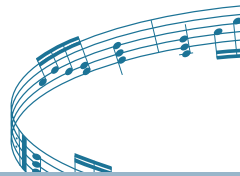
- ⑦ **Synchro** – Synchronized Start sets the auto accompaniment into standby mode.
- ⑧ **Start/Stop** – This button starts or stops the selected rhythm style. If the Accompaniment button is also selected, the auto accompaniment will start with the first recognized chord played in the auto accompaniment section of the keyboard, depending on the fingering mode selected.

- ⑨ **Intro/Ending** – The 100 rhythm styles can be started or stopped with an individual introduction or ending pattern.

- ⑩ **Fill-In** – Provides the accompaniment with a short rhythm pattern of one or two measures for each style.

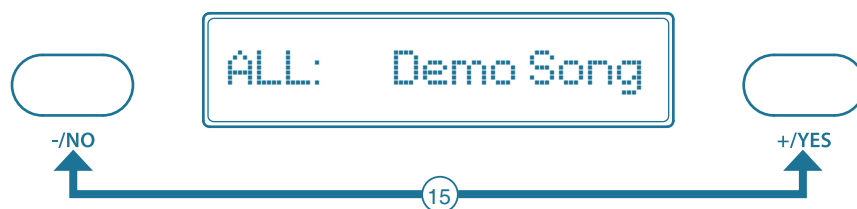
- ⑪ **Variation** – The 100 rhythm styles include a style variation that can be played simply by engaging the VARIATION button. Press the VARIATION button again to return to the main pattern.

- ⑫ **Accompaniment** – The ACCOMP button engages the auto accompaniment fingering mode selected in the SETUP menu. Each rhythm style has fully orchestrated auto accompaniment patterns with drums, bass and chords.

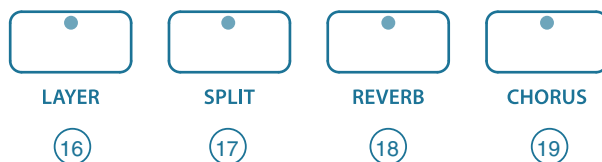


⑬ **Quick Select Style Buttons** – Each Style button controls two styles, one in the A bank (printed above the style button) and one in the B bank (printed below the style button) for a total of 10 Quick Select styles (8 Presets and 2 User-defined). Please see the Rhythm Style section of this manual for more information.

⑭ **Style Var** – The five quick select style buttons are each assigned to the A and B bank. Press the STYLE VAR button to alternate between A and B banks for Style Quick Select. The button indicator is lit when the B bank is selected.



⑮ **Enter Keys** – Use the +/YES, -/NO buttons directly while using the voice, style or other settings. These buttons are also used to access or alter many of the function features or when input is necessary.

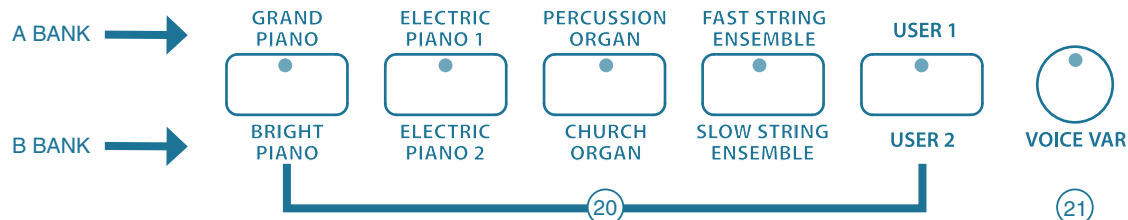
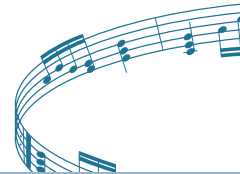


⑯ **Layer** – Engaging the LAYER button activates a second voice that is "tone mixed" with the selected keyboard voice.

⑰ **Split** – Divides the keyboard into two sections, each assigned a different voice. In the right-hand section, the original or layered voice will sound, and in the left-hand section a different voice can be assigned.

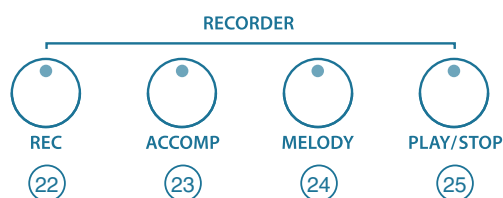
⑱ **Reverb** – Reverb adds space and ambience to the sound, simulating the effect of playing in a big room or hall where the sound reverberates off the walls and ceiling.

⑲ **Chorus** – The Chorus effect adds depth and spaciousness to the selected keyboard voices.



20 Quick Select Voice Buttons – Each Voice button controls two voices, one in the A bank (printed above the voice button) and one in the B bank (printed below the voice button) for a total of 10 Quick Select voices (8 Presets and 2 User-defined). Please see the Voice Section of this manual for more information.

21 Voice Var – The five quick select voice buttons are each assigned to the A and B bank. Press the VOICE VAR button to alternate between A and B banks for Voice Quick Select. The button indicator is lit when the B bank is selected.

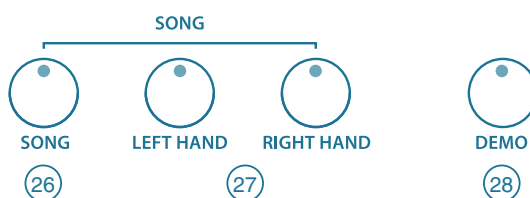


22 Record – To prepare for recording, hold down the REC button and press the TRACK button(s) you want to record in. Please see the Recorder Section of the manual for more information.

23 Accompaniment Track – The ACCOMP button is used to select the auto accompaniment track of a song for recording or playback. Please see the Recorder Section of this manual for more information.

24 Melody Track – The MELODY button is used to select the melody track of a song for recording or playback. Please see the Recorder Section of this manual for more information.

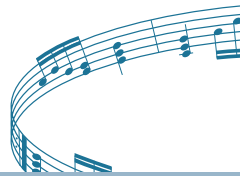
25 Play/Stop – Press the PLAY/STOP button to hear selected tracks that you have recorded. Press the PLAY/STOP button again to stop the playback. Please see the Recorder Section of this manual for more information.



26 Song – Serenade contains 55 play-along songs that can be used as a teaching aid. The SONG button turns the “music teacher” function on and off. Please see the Play-Along Song Section of this manual for more information.

27 Left Hand, Right Hand – These buttons allow the player to turn on/off the Right and Left hand parts of the Play-Along Songs. Please see the Play-Along Song section of this manual for more information.

28 Demo – Accesses the 13 different demonstration songs using the +/YES and –/NO buttons.



KEYBOARD VOICES

Voice Selection

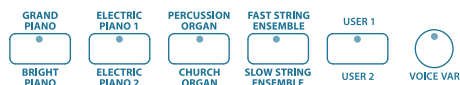
There are 32 instrument voices. A complete list of all 32 voices can be found in the back of this manual.

Quick Select – Each Voice button (pg. 13) controls two voices, one in the A bank (printed above the voice button) and one in the B bank (printed below the voice button) for a total of 10 Quick Select voices (8 Presets and 2 User-defined).

To recall a Quick Select voice:

1. Press the VOICE VAR button to select a bank. Selection alternates between A and B banks (pg. 13) every time the VOICE VAR button is pressed. The VOICE VAR button is lit when the B bank is selected.

2. Now press one of the five Quick Select voice buttons to select the desired voice. The voice name and number will be shown on the display.



User Defined Quick Select Button – Voice

You can assign your 2 favorite voices to the User 1/ User 2 Quick Select button in the following manner:

1. Press and hold the voice USER button (selects USER 1 for bank A, or USER 2 for bank B) until its indicator flashes.
2. Select the desired voice by using the +/YES, -/NO buttons.
3. Press the USER button again; the selected voice will be assigned to the USER button and available for quick selection.

Note: The USER button will keep your new setting and revert to the default setting when the power is turned off. The default setting is: USER 1= 012: Vibraphone, USER2 = 032: Halo Pad.

Selecting From The Voice Menu

1. If the Voice button indicator is not already lit, press the any of the voice quick select buttons to engage the voice selection mode. The indicator will light up.



2. Use the +/YES, -/NO buttons to select a voice number. The voice name and its number will be shown on the display.

Note: A sound bank of 128 General MIDI voices and a drum kit are built into the piano. The additional General MIDI voices can only be accessed by external control to the MIDI IN or USB connections. Please see the MIDI Section and MIDI Implementation Chart of this manual for more information.

Layer Voice

Layer refers to an additional voice that is 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 to select the desired layer voice. The display will show the layer voice number and name.

3. Press the LAYER button a second time within 3 seconds and the current layer volume level will show on the display. The LAYER indicator will remain lit. Use the +/YES, -/NO buttons to adjust the layer volume level ranged 0 -24. Otherwise, this procedure will be skipped.



After three seconds the display will revert to the selected main voice.

4. Press the LAYER button again to turn the feature off.

Split Voice

The keyboard is divided into two sections. To the right of the Split Point is the currently selected main voice. The keys to the left of the Split Point can play a different instrument voice.

1. Press the SPLIT button, the currently assigned lower voice will be shown on the display, and the LED indicator will turn on.



2. Use the +/YES, -/NO buttons to select the desired lower voice. The display will show the lower voice number and name.
3. Press the SPLIT button a second time within 3 seconds and the current lower volume level will show on the display. Use the +/YES, -/NO buttons to adjust the lower volume level ranged 0 -24. Otherwise, this procedure will be skipped.



After three seconds the display will revert to the selected main voice.

4. Press the SPLIT button again to turn the feature off.

Assigning The Split Point For Voice

The default split point for voice is the C3 key. A different voice split point can be assigned in the Setup menu. Please see the Setup section for more information.

RHYTHM STYLES

The Serenade features 100 accompaniment rhythm styles. Each rhythm style includes 6 patterns: Introduction, Main, Fill-in, Variation, and Ending. In addition to the Drum part, the rhythm styles can provide a fully orchestrated accompaniment with bass, chords and additional instruments. A complete list of all 100 styles can be found in the back of this manual.

Rhythm Style Selection

Quick Select – Each Style button (pg. 12) controls two styles, one in the A bank (printed above the style button) and one in the B bank (printed below the style button) for a total of 10 Quick Select styles (8 Presets and 2 User-defined).

To recall a Quick Select style:

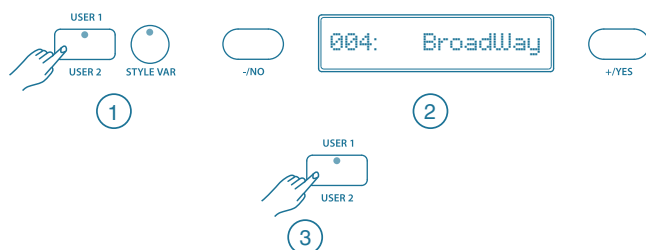
1. Press the STYLE VAR button to select a bank. Selection alternates between A and B banks every time the STYLE VAR button is pressed. The STYLE VAR button is lit when the B bank is selected.
2. Now press one of the five Quick Select style buttons to select the desired style. The style name and number will be shown on the display.





User Defined Quick Select Button – Style

You can assign your 2 favorite styles to the style User 1/User 2 Quick Select button in the following manner:



- ① Press and hold the style USER button (selects USER 1 for bank A, or USER 2 for bank B) until its indicator flashes.
- ② Select the desired style by using the +/-YES -/NO buttons.
- ③ Press the USER button again, the selected style will be assigned to the USER button and available for quick selection.

Note: The USER button will keep your new setting and revert to the default setting when the power is turned off. The default setting is: USER 1= 035: shuffle Blues, USER2 = 046: Unplugged 1.

Selecting One Of The 100 Styles

1. If the Style button indicator is not already lit, press the Style Quick Select button to engage the style selection mode. The indicator will light up.



2. Use the +/-YES, -/NO buttons to select a style number. The style name and its number will be shown on the display.

AUTO ACCOMPANIMENT

In addition to the Drum part, the rhythm styles can provide a fully orchestrated accompaniment with bass and additional instruments, following the chords played on the keyboard.

Auto-Accompaniment Split Point

For auto-accompaniment, the keyboard is divided into two sections at the “Auto A.Split” point. The keys to the left of this point are defined as the accompaniment section of the keyboard. The default key for this point is G1. A different split point for the auto-accompaniment can be assigned in the Setup menu. Please see the Setup section of this manual for more information.

Auto-Accompaniment Chord Fingering

Press the ACCOMP button and the indicator will light. This piano has three auto accompaniment fingering modes, Single Finger, Fingered and Piano mode. The mode can be selected in the Setup menu. The default accompaniment mode is Fingered.

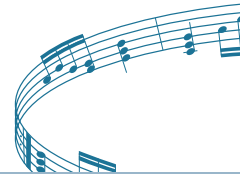


Single Mode

Single mode makes it easy to produce four types of orchestrated accompaniment chords using a minimum number of fingers (one, two, or three fingers at the most). In this mode, playing keys in the accompaniment section of the keyboard can generate:

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 any black key to its left simultaneously.



Seventh Chord – Press the root key and any white key to its left simultaneously.

Minor-Seventh Chord – Press the root key and any pair of black and white keys to its left simultaneously.

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 to produce the selected auto-accompaniment pattern. The Fingering Guide table at the back of this manual lists all of the 31 recognizable chords of this mode.

Note: If a chord played cannot be recognized, the previous chord will keep playing.

Piano Mode

When the Piano Chord Fingering mode is engaged, you may enter chords anywhere on the keyboard. You are not limited to the auto-accompaniment section. In this mode, there is no keyboard split point function for chord recognition.

Using the Auto-Accompaniment

Each rhythm style includes 5 patterns: Introduction, Main Pattern, Variation Pattern, Fill-in and Ending.

○ ○ ○ ○ ○



TEMPO



SYNCHRO



START/STOP



INTRO/ENDING



FILL-IN



VARIATION



ACCOMP

Variation

Press the VARIATION button to toggle between the main and variation patterns. The indicator will light up when Variation is selected.

There are several ways to start the rhythm style:

Straight Start – Pressing the START/STOP button immediately starts the Drum part of the main or

variation pattern, depending on the status of the VARIATION button. If one of the chord fingering modes is engaged while the ACCOMP indicator lights up, the additional parts of the auto accompaniment will start as soon as a chord is recognized, according to the selected chord fingering mode.

Note: Styles marked with a "" in front of their names have no drum part. Even if you press the START/STOP button, they do not play any sound until a recognized chord is pressed in the Auto Accompaniment zone of the keyboard, depending on fingering mode selected.*

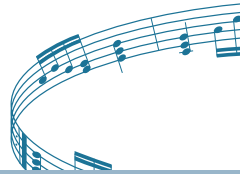
Starting with An Introduction – All of the 100 styles can be started with an introduction pattern. Pressing the INTRO/ENDING button immediately starts the Drum part of the introduction pattern, followed by either the main or variation pattern (depending on the status of the VARIATION button). If one of the chord fingering modes is engaged, the additional parts of the auto-accompaniment will start as soon as a chord is recognized, according to the selected chord fingering mode.

Synchronized Start – Synchronized Start mode makes the auto accompaniment go to "standby." 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. You may add an introduction by pressing the INTRO/ENDING button after pressing the SYNCH START button. The auto accompaniment will start as soon as you play a recognized chord in the auto accompaniment section of the keyboard. If the auto accompaniment is disengaged, (the auto accompaniment indicator is off), then this feature will not be available.

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.

Note: The FILL-IN button can also be used in place of the INTRO/ENDING button to start playing with a fill-in pattern instead of the introduction.



Stopping

While a rhythm style is playing, press the START/STOP button to stop the accompaniment immediately, or press the INTRO/ENDING button to finish with an ending pattern. Pressing the SYNC START buttons can also stop the accompaniment and the synchronized start mode will be on standby.

Note: If you want the selected rhythm style to continue after the ending pattern has been completed, press the FILL IN button while the ending pattern is playing.

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. It is recommended that only one note be played at a time. If more than one note is played, only the highest note will add harmony.

Note: Auto Harmony is only available when the auto-accompaniment is playing.

The Auto-Harmony feature can be turned On/Off in the Setup menu. The default status is 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 Setup menu. Please see the Setup section for more information.

Adjusting the Tempo

The four-dot indicator above the TEMPO buttons indicates the tempo and the beat for accompaniment playing. Each style has its own preset tempo. The tempo can be adjusted before or during rhythm style play by pressing the TEMPO buttons. The current tempo will be shown on the display.

Use the -/NO or +/YES button to change the tempo range from 40 -240. If you press and hold down either the -/NO or the +/YES button, the tempo will change continuously until you release the button.



When you change the style before you play, the tempo will be set to its default value. If you change style during play, the tempo will keep its current value. Press the -/NO and the +/YES buttons simultaneously to reset the tempo to the default value of the current style.

To Exit this mode press any control button except -/NO +/YES, or if you wait for 5 seconds, the display will return to show the selected voice or style.

Metronome

The Serenade includes a built-in metronome. Press the METRO button to start the metronome and its LED indicator will light up. Use the +/YES and -/NO to change the beat pattern in sequence of 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8 or 12/8.



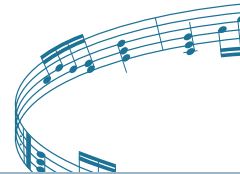
Use the ACCOMP VOLUME knob to adjust the metronome level. Press the METRO button again to stop the metronome.



If you select a new accompaniment style or play a practice song, the beat and tempo of the metronome will be set automatically to the beat and tempo of that style/song.

Note: If the metronome is enabled while the auto-accompaniment is playing, the metronome sound will replace the Drum part of the accompaniment style.

Note: Reverb and Chorus sound effects do not apply to the metronome sound.



Tempo

Press the TEMPO button to change the metronome tempo using the +/YES and -/NO buttons.

You can use the +/YES and -/NO buttons to change the tempo value range from 40 to 240 bpm (beats per minute). Press the +/YES and -/NO buttons simultaneously to recall the default tempo setting. 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.

DEMO

Playing Demo Songs

The Serenade has 13 different demonstration songs that showcase the voices that are available. The display will show the song name and its 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 and name as it plays. After exiting the demonstration mode, the display will revert to its initial data.

1. Play All Demo Songs – Press DEMO, the indicator lights up. The first demo song will play instantly. 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. The next song will play consecutively until you press the demo button again to stop.



There are 55 songs for the musical training course that can also be played back for demonstration. Please see the Play-Along Song section of this manual for more information.

RECORDER

The Serenade features a two track recorder that allows you to record what you play on the keyboard and then play it back. Two tracks mean that you can “overdub” one part on top of another, using a different voice if you like. The recorder feature is a useful addition to any keyboard study program since it lets you hear exactly how you sound from the listener’s perspective. It can also be just plain fun. This recorded information is nonvolatile and therefore will not be lost when the power is turned off. Both tracks can playback separately or together as a complete song. The record function records all settings exactly as you selected and performed them.

Recording Prepare

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



Select A Track

The MELODY track will record all notes. The ACCOMP track will record all the auto accompaniment events just as they are played.

Press and hold down the REC button, then press the track button that you want to record in. The corresponding track indicator and the REC indicator will blink and immediately erase the existing recording in this track. 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 another recorded track, 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.



Metronome for Recording

Press the METRO button to enable the metronome as a reference when recording only the melody track. You can adjust the metronome's beat pattern and tempo as usual before recording. However, these cannot be changed during recording.

The metronome sound will not be recorded.

If one track has been recorded when recording another track, its tempo and beat pattern will follow the setting of the first track recorded. If you change the tempo now, the new tempo will be applied for both tracks. The time signature cannot be changed after recording has begun.

Note: If you use the metronome when recording the accompaniment track, the metronome will play in place of the drum part of the auto accompaniment.

Record

Your performance can be recorded in the following ways:

Record Melody Track Only

If the MELODY buttons are selected, the recording will begin as soon as you play the keyboard.

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 audible.

Record Auto Accompaniment Track Only

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

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 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.

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.

Note: If the Layer and/or Lower mode are engaged before entering record, they will be turned off automatically. When entering the Record mode, the melody track can record layer or lower performance by pressing the LAYER or LOWER button, but cannot record layer and lower at the same time. When Layer or Lower mode is triggered, pressing another mode button will toggle to a new one.

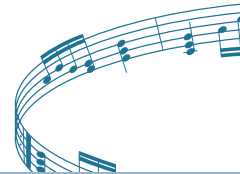
Stop Recording

Press the START/STOP button or the REC button to stop recording. When the accompaniment track is being recorded, press the INTRO/ENDING button to stop the recording with an ending pattern in the accompaniment track.

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

Playback

Press the PLAY/STOP button to hear the recorded track(s). The PLAY/STOP indicator will light up, and the dots of the beat indicator will flash. You can change the tempo by pressing the TEMPO button. You may also play on the keyboard while the recording is playing back. Press the PLAY/STOP button again to stop the playback. Playback will also stop automatically when the recording reaches its end.



Erasing Track

To erase the music recorded on the tracks, Press and hold the REC button down. Then, press the track button that you wish to erase while you continue to hold down the REC button. This will immediately erase the existing data from your previous recording. Release the REC button (the track and REC indicators are blinking). Press the track button again (the indicators will go off).

Repeat Steps above until all the tracks that you desire are erased.

PLAY-ALONG SONGS

There are 55 songs built into the Serenade. These songs have separate left and right-hand parts that can be turned on and off as required so you can practice the corresponding part on the keyboard.



Selecting A Song

Press the SONG button. The song indicator will turn on and the song number will appear on the LCD display. Use the -/NO +/YES buttons to select a song. If you want to play slower or faster than the preset tempo, press the TEMPO button and use the -/NO +/YES buttons to set the tempo based on the original tempo of the song. Press the -/NO +/YES buttons simultaneously to recall the default Tempo for the selected song.

Listening To The Entire Song

Press the PLAY/STOP button to hear both hand parts. Press the PLAY/STOP button again to stop. Otherwise, playback will stop automatically at the end of the song.

Practicing The Right Hand Of The Selected Song

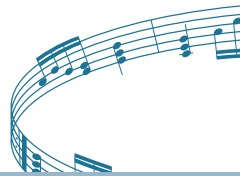
1. Press the RIGHT button to mute the right hand part. The right indicator lights up,
2. Press the DEMO button if you want to hear only the right-hand part before practicing it. Press the DEMO button again to stop.
3. Press the PLAY/STOP button. Its indicator will light up and you will hear the metronome "count in" the song. You will then hear the left-hand part. Note: The default status of the metronome is ON. Press the METRO button if you want to disable the metronome sound in the Right / Left hand mode. In the "both hands" mode, it cannot be turned off.
4. Play the right-hand part of your selected song while the left-hand part plays.
5. Press the PLAY/STOP button again to stop. Otherwise, playback will stop automatically at the end of the song.

Practicing The Left Hand Of The Selected Song

Follow steps 1-5 listed above, substituting the LEFT button whenever the RIGHT button is mentioned. You will hear the right-hand part of your selected song. Play the left-hand part of your selected song while the right-hand part plays.

Practicing Both Hands Of The Selected Song

1. Press the RIGHT and LEFT buttons simultaneously. The right and left indicators will both turn on.
2. Press the PLAY/STOP button. Its indicator will light up and you will hear the metronome "count in" the song.
3. Play the left-hand and right-hand parts of your selected song. The metronome will continue to play to assist you in keeping time.
4. Press the PLAY/STOP button again to stop. Otherwise, playback will stop automatically at the end of the song.



Grading

When the vocal grading function is engaged, after playing play-along songs, it will give you a grading score automatically according to your performance. There are 4 levels of grading: Excellent, Very good, Good and Try Again. Please see the Setup section of this manual for more information.

SETUP MENU

The Setup mode is used to set up or to adjust various parameters related to the operation of the Serenade.

Setup procedure:



1. Press the SETUP button to enter setup mode.
2. Press the SETUP button repeatedly to select a function item, thus allowing you to edit.
3. Press the +/YES button to confirm the function selected for editing. The current value/parameter of the item will be shown.
4. Use the -/NO or +/YES button to edit the value/parameter.
5. Press the SETUP button again to fix the last item, then turn to the next item.

To Exit the SETUP mode press any button except the -/NO, +/YES, or the SETUP button itself.

The following functions can be selected in the SETUP mode.

Equalization

The Equalization function will “EQ” or adjust the “Tone” of the internal sound output.

Press the SETUP button once to enter the EQ setting and “Equalization” appears on the Display. Use the +/YES, -/NO buttons to select which EQ type you desire.



The available EQ types are listed below:

Bright – Boosts the Treble for a Brighter tone.

Bright Midrange – Boosts the Treble and Midrange.

Midrange Boost – Boosts the Midrange Frequencies.

Bass Midrange – Boosts the bass and midrange. This is the default when the accompaniment is engaged.

Bass Boost – Boosts the Bass for a deeper tone.

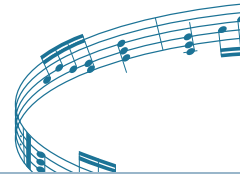
Flat – All 10 EQ Bands are set to their Mid Levels.

Classical – Standard EQ setting for Classical Music.

Jazz – Standard EQ setting for Classical Music.

Rock – Standard EQ setting for Rock Music.

Pop – Standard EQ setting for Pop Music Piano. This is the default EQ setting for this piano for general piano play.



Reverb Type

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. To Select the Reverb Type use the -/NO or the +/YES Buttons. There are 12 Reverb Types available:



- | | |
|------------------|------------------|
| 01. Small Room | 07. Cathedral |
| 02. Room | 08. Gated Reverb |
| 03. Small Hall | 09. Echo |
| 04. Large Hall | 10. 3/4 Echo |
| 05. Plate Reverb | 11. 4/4 Echo |
| 06. Church | 12. Triplet Echo |

Reverb Level

Reverb Level determines how much of your selected Reverb Type you will hear. Use the -/NO or the +/YES Buttons to adjust Reverb Level. The Reverb Level Range is from 1 to 16.



Chorus Type

The Chorus effect enriches your selected instrument voice by adding depth and texture. You can switch the reverb feature on and off by pressing the CHORUS button. To Select the Chorus Type, use the -/NO or the +/YES Buttons. There are 10 Chorus Types available:



- | | |
|-------------------|--------------------|
| 01. Chorus Light | 06. Flange Deep |
| 02. Chorus Medium | 07. Phase |
| 03. Chorus Deep | 08. Tremolo Slow |
| 04. Chorus Fast | 09. Tremolo Medium |
| 05. Flange | 10. Tremolo Fast |

Chorus Level

Chorus Level determines how much of your selected Chorus Type you will hear. Use the -/NO or the +/YES Buttons to adjust Chorus Level. The Reverb Level Range is from 1 to 16.

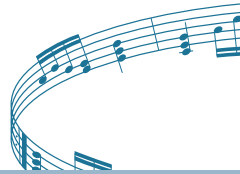


Split Point for Lower Voice

When the Lower mode is 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 split point for the Lower section can be changed.



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 G1-C7. Press the +/YES, -/NO buttons simultaneously to recover the default setting of C3.



Split Point for Auto Accompaniment

The split point that defines the accompaniment section of the keyboard can also be changed in the Setup menu.



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.

Auto Accompaniment Fingering Mode

This piano has three auto accompaniment fingering modes: single, fingered, and piano. Use the +/YES, -/NO buttons to select an accompaniment type.



Auto Harmony

Use this function to turn Auto Harmony On or Off.



Use the +/YES, -/NO buttons to select On or Off.

Auto Harmony Type

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



Duet – Adds a harmonizing note below the single right-hand note that you play when the chord accompaniment is engaged.

Close harmony – Adds two harmonizing notes below the single right-hand melody note that you play when the chord accompaniment is engaged.

Open harmony – Adds several harmonizing notes when the chord accompaniment is engaged.

Octave – Adds a note one octave below the note in the right-hand section of the keyboard when the chord accompaniment is engaged.

Use the +/YES, -/NO buttons to select a type.

Touch Response

The Serenade 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.



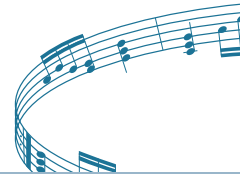
Soft – The most sensitive keyboard response which permits maximum sound levels with a light touch.

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

Hard – 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.

Use the +/YES, -/NO buttons to select a sensitivity type.



Transpose

The transpose feature can shift the pitch of the keyboard up or down in semitone intervals up to a maximum of 24 semitones.



Use the +/YES, -/NO buttons to set the transpose value range from -12 (one octave lower) to 12 (one octave higher). Press the +/YES and -/NO buttons simultaneously to recall the default value of 0.

Octave

The octave feature can transpose the pitch of the keyboard up or down in octave intervals up to a maximum of +/- 2 octaves.



Use the -/NO +/YES buttons to set the Octave value. The range is from -2 to 2.

Master Tune

The pitch of the piano 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. Tuning can be accomplished over a range of +/-1 semitone in +/-64 steps.



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 0.

Vocal Grading

When this function is engaged, a vocal grading is automatically given according to your performance after playing "play-along" songs.



Use the +/YES, -/NO buttons to turn this feature on or off.

Local

"Local" is a special mode of piano performance when the piano is connected with another MIDI device or computer. When "Local" is On, the built-in speakers are heard, while the performance message is transmitted via MIDI out. When "Local" is Off, the speakers are not heard, while the performance message is transmitted via MIDI out.

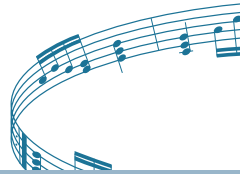


Press the +/YES button to set Local On, or the -/NO buttons to set it Off.

Reset

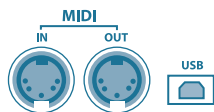
Press the +/YES button to reset the piano to factory default settings.





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 offer 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.

MIDI In – This terminal receives MIDI data from an external MIDI device.

MIDI Out – This terminal transmits data from this instrument to other MIDI devices. The transmitted data includes 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.

USB – The USB connector allows you to connect the piano directly to your computer. It can be connected without driver installation under the Windows XP, Windows Vista & MAC OSX environment. The piano will be recognized as a USB Audio device to receive and transmit the same MIDI messages described above.

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

MIDI Channels – The MIDI system in this unit has 16 channels numbered from 1-16. Each of the channels is responsible for a voice. When the instrument receives MIDI data 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

Please see the MIDI Implementation Chart for more detail.

Note: When a USB cable is connected from the Serenade to a computer, all MIDI messages will receive/transmit via USB.

General MIDI Playback Voices

In addition to the 32 Voices selectable from the control panel, Serenade includes 128 General MIDI voices that support the Rhythm and Auto Accompaniment features. These additional sounds can only be accessed via the MIDI IN jack, or USB jack (as MIDI input data), corresponding to standard Program Change numbers.

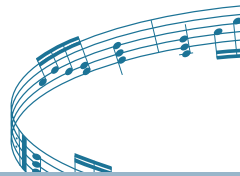


MIDI IMPLEMENTATION CHART

Function		Transmitted	Recognized	Remarks
Basic Channel		1 CH	1-16 CH	
Channel Changed		1, 2, 3 CH	1-16 CH	
Note Number		21-108	1-127	
Velocity	Note On Note Off	9nH,V=1-127 9nH, V=0	9nH,V=1-127 9nH V=0, 8nH	
Pitch Bender		•	•	
Control Change	1	X	•	Modulation
	5	X	•	Portamento value
	7	•	•	Volume
	10	X	•	Pan
	11	X	•	Expression
	64	•	•	Sustain
	66	•	•	Sostenuto
	67	•	•	Soft pedal
	65	X	•	Portamento yes/no
	80	•	•	Reverb program
	81	•	•	Chorus program
	91	•	•	Reverb send level
	92	•	•	Chorus send level
	98	•	•	NRPNL
	99	•	•	NRPNH
	100	•	•	RPNL
	101	•	•	RPNH
	121	•	•	Reset all controllers
	123	•	•	All notes off
Program Change		0-127 *	0-127	
System Exclusive		X	•	
System Common: Song Select		X	X	
Song Position		X	X	
System: Clock		X	X	
Real Time: Commands		X	X	

* Depends on the voice selected in the piano.

MIDI Channel Modes		
	POLY ON	MONO ON
OMNI ON	MODE 1	MODE 2
OMNI OFF	MODE 3	MODE 4



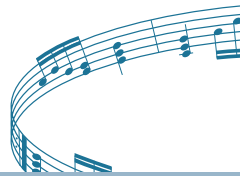
MAIN VOICE LIST

Voice Quick Keys	Piano Sound Number	GM Sound Number	Description
1A	1	1	Grand Piano
1B	2	2	Bright Piano
	3	3	Electric Grand Piano
	4	4	Honky Tonk
2A	5	5	Electric Piano 1
2B	6	6	Electric Piano 2
	7	7	Harpsichord
	8	8	Clavichord
	9	9	Celesta
	10	10	Glockenspiels
	11	11	Music Box
	12	12	Vibraphone
	13	13	Marimba
	14	17	Draw Organ
3A	15	18	Perc Organ
	16	19	Rock Organ
3B	17	20	Church Organ
	18	21	Reed Organ
	19	33	Acc Bass
	20	36	Fretless
	21	37	Slap Bass
	22	41	Violin
	23	43	Cello
4A	24	49	Fast String Ens
4B	25	50	Slow String Ens
	26	57	Trumpet
	27	61	French Horn
	28	62	Brass Section
	29	66	Alto Sax
	30	72	Clarinet
	31	74	Flute
	32	95	Halo Pad



GM VOICE LIST

MIDI	Name	MIDI	Name	MIDI	Name	MIDI	Name
Piano		029	Overdriven Guitar	062	Synth Brass 1	095	Pad 7 (halo)
000	Acoustic Grand Piano	030	Distortion Guitar	063	Synth Brass 2	096	Pad 8 (sweep)
001	Bright Acoustic Piano	031	Guitar Harmonics	Reed		Synth Effect	
002	Electric Grand Piano	Bass		064	Soprano Sax	097	FX 1 (rain)
003	Honky-Tonk Piano	032	Acoustic Bass	065	Alto Sax	098	FX 2 (soundtrack)
004	Electric Piano 1	033	Electric Bass (finger)	066	Tenor Sax	099	FX 3 (crystal)
005	Electric Piano 2	034	Electric Bass (pick)	067	Baritone Sax	100	FX 4 (atmosphere)
006	Harpsichord	035	Fretless Bass	068	Oboe	101	FX 5 (brightness)
007	Clavichord	036	Slap Bass 1	069	English Horn	102	FX 6 (goblins)
Chromatic Percussion		037	Slap Bass 2	070	Bassoon	103	FX 7 (echoes)
008	Celesta	038	Synth Bass 1	071	Clarinet	104	FX 8 (sci-fi)
009	Glockenspiel	039	Synth Bass 2	Pipe		Ethnic	
010	Music box	Strings		072	Piccolo	105	Sitar
011	Vibraphone	040	Violin	073	Flute	106	Banjo
012	Marimba	041	Viola	074	Recorder	107	Shamisen
013	Xylophone	042	Cello	075	Pan Flute	108	Koto
014	Tubular Bells	043	Contrabass	076	Bottle Blow	109	Kalimba
015	Dulcimer	044	Tremolo Strings	077	Shakuhachi	110	Bagpipe
Organ		045	Pizzicato Strings	078	Whistle	111	Fiddle
016	Drawbar Organ	046	Orchestral Harp	079	Ocarina	112	Shanai
017	Percussive Organ	047	Timpani	Synth Lead		Percussive	
018	Rock Organ	Ensemble		081	Lead 1 (square)	113	Tinkle Bell
019	Church Organ	048	String Ensemble 1	082	Lead 2 (sawtooth)	114	Agogo
020	Reed Organ	049	String Ensemble 2	083	Lead 3 (caliope lead)	115	Steel Drums
021	Accordion	050	Synth Strings 1	084	Lead 4 (chiff lead)	116	Woodblock
022	Harmonica	051	Synth Strings 2	085	Lead 5 (charang)	117	Taiko Drum
023	Tango Accordion	052	Choir Aahs	086	Lead 6 (voice)	118	Melodic Tom
Guitar		053	Voice Oohs	087	Lead 7 (fifths)	119	Synth Drum
024	Acoustic Nylon Guitar	054	Synth Voice	088	Lead 8 (bass + lead)	120	Reverse Cymbal
025	Acoustic Steel Guitar	055	Orchestra Hit	Synth Pad		Sound Effect	
026	Electric Jazz Guitar	Brass		089	Pad 1 (new age)	121	Guitar Fret Noise
027	Electric Clean Guitar	056	Trumpet	090	Pad 2 (warm)	122	Breath Noise
028	Electric Muted Guitar	057	Trombone	091	Pad 3 (polysynth)	123	Seashore
		058	Tuba	092	Pad 4 (choir)	124	Bird Tweet
		059	Muted Trumpet	093	Pad 5 (bowed)	125	Telephone Ring
		060	French Horn	094	Pad 6 (metallic)	126	Helicopter
		061	Brass Section			127	Applause
						128	Gunshot



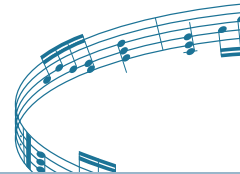
STYLE LIST

No.	Name
1	Big Band
2	Miller Band
3	Latin Big Band
4	Broadway
5	Hollywood
6	Orch. Waltz
7	Jazz Waltz
8	Jazz Band
9	Cool Bossa Nova
10	Pop Bossa Nova
11	Fast Bossa
12	Bossa Nova
13	Samba
14	Salsa
15	Tango
16	Meringue
17	Swing Trio
18*	Solo Swing
19	Swing Organ
20	Slow Swing
21	Bacharach
22	Dixie
23	Lounge
24	Jazz
25	Swing
26	'50s Ballad
27	Bolero
28	Country Ballad 1
29	Country Ballad 2
30	Pop Ballad
31	Power Ballad
32	Slow 16
33	Gospel Ballad
34	Jazz Ballad

No.	Name
35	Shuffle Blues
36	Soul Shuffle
37	Gospel Fast
38	Gospel Blues
39	Calypso
40	Reggae 1
41	Reggae 2
42	R&B Shuffle
43	R & B
44	Motown
45	'70s Disco
46	Unplugged 1
47	Unplugged 2
48	Unplugged 3
49*	Solo Pop
50	Pop Baroque
51	New Age
52	Kids 1
53	Kids 2
54	March 4/4
55	March 6/8
56	March
57	Florida Keys
58	Funky Pop
59	Pop 16
60	8 Beat Pop
61	Piano Pop
62	Country Pop
63	Easy Pop
64	Pop 8 Beat
65	Movie Theme
66	Dance Pop
67	Folk
68	Disco

No.	Name
69*	Stride Piano
70	Ragtime
71	Hawaiian
72	Hula
73	Solo Boogie
74	Vienna Waltz
75	Fox Trot
76	Western Movie
77	Boogie
78*	Classic Piano
79	Mused Waltz
80*	P. Showtime
81	Rock N Roll
82	Jerry Lee
83	Bluegrass
84	Slow Blues
85	Blues
86	Country 2/4
87	Country Piano
88	Country Train
89	Mod. Country
90	Country
91	Country Waltz
92	Mambo Band
93	Beguine
94	Cha Cha 1
95	Cha Cha 2
96	Rumba 1
97	Rumba 2
98	Mex Polka
99	Polka 1
100	Polka 2

Note: The styles with * mark have no drum part. Even if you press the START/STOP button, they do not play any sound until a recognized chord is pressed in the Auto Accompaniment zone of the keyboard, depending on fingering mode selected.



CHORD FINGERING GUIDE

Chord	Display	Intervals
Major	M	1-3-5
Major Sixth	M6	1-3-5-6
Major Sixth Add Ninth	6 9	1-2-3-(5)-6
Major Seventh	M7	1-3-(5)-7
Major Add Ninth	M add9	1-2-3-5
Major Seventh Ninth	M 9	1-2-3-(5)-7
Major Seventh Sharp Eleventh	M7 #11	1-(2)-3-#4-(5)-7
Minor	m	1- ^b 3-5
Minor Sixth	m6	1- ^b 3-5-6
Minor Seventh	m7	1- ^b 3-(5)- ^b 7
Minor Seventh Flatten Fifth	m7b5	1- ^b 3- ^b 5- ^b 7
Minor Add Ninth	m add9	1-2- ^b 3-5
Minor Seventh Add Ninth	m9	1-2- ^b 3-(5)- ^b 7
Minor Seventh Add Eleventh	m11	1-(2)- ^b 3-4-5-(^b 7)
Minor Major Seventh	mM7	1- ^b 3-(5)-7
Minor Major Seventh Add Ninth	mM9	1-2- ^b 3-(5)-7
Seventh	7	1-3-(5)- ^b 7
Seventh Flatted Fifth	7 b5	1-3- ^b 5- ^b 7
Seventh Flatted Ninth	7 b9	1- ^b 2-3-(5)- ^b 7
Seventh Add Ninth	7 9	1-2-3-(5)- ^b 7
Seventh Sharp Ninth	7 #9	1-#2-3-(5)- ^b 7
Seventh Sharp Eleventh	7 #11	1-2-3-#4-(5)- ^b 7
Seventh Thirteenth	7 13	1-3-(5)-6- ^b 7
Seventh Flatted Thirteenth	7 b13	1-3-5- ^b 6- ^b 7
Diminished	dim	1- ^b 3- ^b 5
Diminished Seventh	dim7	1- ^b 3- ^b 5-6
Augmented	aug	1-3-#5
Seventh Augmented	7aug	1-3-#5- ^b 7
Major Seventh Augmented	M7aug	1-3-#5-7
Suspended Fourth	sus4	1-4-5
Seventh Suspend Fourth	7sus4	1-4-5- ^b 7

Note: The intervals 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 m11.
3. The m6 chords are only recognized in root note position. All other inversions are interpreted as m7 b5.
4. With aug and dim7 chords, the lowest note played is assumed to be the root.

These inversions do not apply to the Piano mode.



DEMO SONG LIST

No.	Song Name	No.	Song Name
1	Mozart Piano	8	Funk Feelin'
2	Bach A Minor	9	Samba Time
3	Bossa Nova	10	Bach F Minor
4	Vibra Jazz	11	Spanish Vibe
5	String Riot	12	Symphonic
6	Road Rock	13	Ragtime
7	String Ensemble		

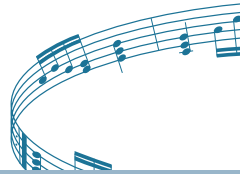
PLAY-ALONG SONG LIST

No.	Song Name	No.	Song Name
1	Much Ado About Nothing	30	Kittenish
2	Twinkle Twinkle	31	Clement Op.36
3	Au Clair de la lune	32	"Surprise" Symphony
4	Old Melody	33	Toreador from Carmen
5	Holiday Song	34	Spring Breeze
6	Bird	35	Oh, My Darling Clementine
7	Party	36	Minuet in F
8	I'm A Little Teapot	37	Mary Had a Little Lamb
9	Holland	38	God Rest Ye Merry Gentlemen
10	Cuckoo	39	Farmer
11	Tarantella	40	Two friends
12	Ragtime	41	Melody
13	Sled	42	Swan
14	Moonlight	43	Ave Maria
15	Cradle Song	44	Solvejg's Lied
16	Humor	45	Easy Winners
17	Yankee Doodle	46	Folk Song Of China
18	The Minute Waltz	47	Comic
19	Silent Night	48	Old Macdonald Had A Farm
20	Melody from Mozart	49	O Canada!
21	Long Ago	50	Morning Song
22	In a Cabin In the Woods	51	Bach Minuet No.3
23	I Hear Thunder	52	Lost Love
24	Hey Diddle Diddle	53	Skip To My Lou
25	Head, Shoulders, Knees and Toes	54	Four Little Swan
26	Birthday Cake	55	A Sonatina
27	Go, Go, Go	56	Sonatina
28	A Theater of China	57	Entertainer
29	Go to school	58	Radetzky March



SPECIFICATIONS

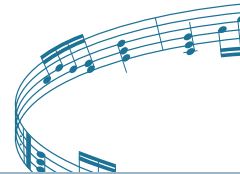
Specification	Value
Keyboard	88-note, Hammer-action keyboard
Max. Polyphony With Sound Effects	64
Voices	32 Voices selectable 5 Quick Select Voice buttons + A/B select 128 GM voices and drum kit can be played via USB/MIDI port
Voice Mode	Layer (dual) voice Lower (split) voice
Voice Effects	Reverb Chorus
Auto Accompaniment Style	100 Auto Accompaniment styles 5 quick select style buttons + A/B select
Accompaniment Control	Sync start Start/Stop Introduction Ending Fill-In Variation Metronome Auto harmony (four types)
Auto Bass Chord Mode	Single Fingered Piano Manual
Demonstration	13 songs
Overall Control	Tempo Main Volume Control: Min-Max Accomp Volume Control: Min-Max +/Yes, -/No Buttons Setup
Recording	2-track recording
Setup Menu	Equalization Reverb Type & level Chorus Type & level Transpose Octave Touch Sensitivity Split point for Voice & Auto Accompaniment Master Tune Auto Harmony On/Off and Type selection Local Off Vocal Grading Factory Setting



SPECIFICATIONS (CONTINUED)

Specification	Value
Play Along Songs	55 songs Right hand, left hand or both hands performance Vocal Grading
Display	16-Character Back-lit LCD
Auxiliary Jacks	Headphone (2x) Line Out Line In Power In MIDI In/Out USB
Pedals	Sustain Pedal Sostenuto Pedal Soft Pedal
Amplifier	Stereo, 10W per side
Dimensions	1375mm x 448mm x 846mm

Register online at www.williamspianos.com



WARRANTY

1 Year Parts & Labor Warranty

Williams provides the following limited warranty, to the original purchaser: this piano is warranted to be free from electronic and/or structural defects in materials and workmanship for a period of one (1) year from the date of original purchase. If this Williams piano is defective, at its option during the warranty period, subject to the terms of this limited warranty and upon proof of purchase, Williams will either repair or replace the listed piano with a same or similar model of equal age or newer. Any repairs or modifications must be completed by Williams and/or an authorized agent of Williams. The warranty obligations as set forth herein shall be performed free of charge with the exception of all delivery and shipping expenses. This limited warranty will not apply to this product in the case of misuse, abuse, neglect, alterations, normal wear and tear or other circumstance not directly attributed to electronic and/or structural defects in materials or workmanship. Without limiting the foregoing, this limited warranty will also be inapplicable to products that have not been maintained or replaced in accordance with the manufacturer's instruction, or to products from which the serial number has been removed or altered. If covered defects are found, contact your authorized Williams dealer with regard to the alleged defect within ten (10) days of discovery of the problem at info@williamspianos.com.

The foregoing repair or replacement obligation for defective products shall be the sole and exclusive remedy of this limited warranty. All warranties including, but not limited to, the express warranty and the implied warranties of merchantability and fitness for a particular purpose are limited to the one (1) year warranty period. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you. There are no express warranties beyond those stated here. In the event that applicable law does not allow the limitation of the duration of the implied warranties to the warranty period, then the duration of the implied warranties shall be limited to as long as is provided by applicable law. No warranties apply after that period.

Retailer and manufacturer shall not be liable for damages based upon inconvenience, loss of use of product, loss of time, interrupted operation or commercial loss or any other incidental or consequential damages including but not limited to lost profits, downtime, goodwill, damage to or replacement of equipment and/or property.



Sound. Style. Value.

All trademarks and registered trademarks are recognized as the property of their respective holders. Made in China. 1107-9582