



WILLIAMS

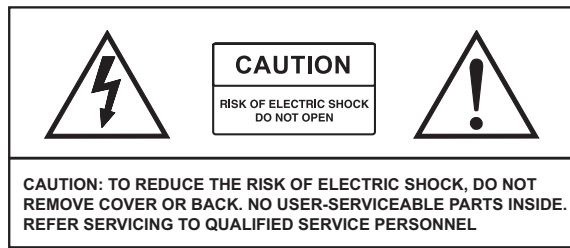


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ALLEGRO IV

DIGITAL PIANO

OWNER'S MANUAL



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 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

- 88 weighted, velocity-sensitive keys
- 12 voices & 12 demo songs
- Metronome feature with variable tempo to facilitate practice or recording
- Demo songs corresponding to each voice
- Bluetooth and USB MIDI connections
- Stereo/mono line out jacks
- Stereo aux input
- Includes power supply, sustain pedal, and music rest

BEFORE YOU GET STARTED

Shipment

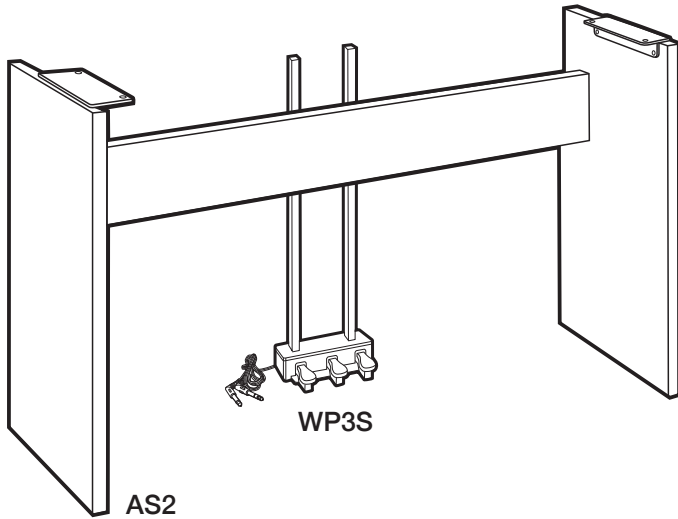
Your piano was carefully packed at the factory, and the packaging was designed to protect the unit from rough handling. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage that may have occurred during transit.

- If the unit is damaged, notify us immediately at Williams **Product Support: (888) 241-1582**
- 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

INITIAL OPERATION / QUICK START

- Insert the AC Adapter into the barrel jack into the back panel. Then plug in the power cord into 110V supply.
- Insert the supplied music rest into the two slots on the top panel
- Plug the Sustain pedal into the Sustain Jack on the back panel of the piano
- Set the piano on a secure, flat surface at a comfortable height for playing
- Press the power button on the left side of the front panel. The LED on the button will light
- Press the Voice Select button for the desired voice
- Adjust the volume control

ACCESSORIES FOR YOUR WILLIAMS ALLEGRO IV



Williams AS2 Stand

The Williams AS2 stand holds your piano at the perfect height while looking great in your home. With the addition of the AS2 stand, your Allegro IV looks like an upright piano ready for your next performance.

With the addition of the AS2 stand, your Allegro IV looks like an upright piano ready for your next performance.

- Black wood-grain finish matches the piano and looks great in any home
- Simple assembly in five minutes
- Wooden stand provides a solid platform for the Allegro IV digital piano
- Optional Williams WP3S adds Grand Piano-style 3-pedal control that attaches to the stand

Williams WP3A and WP3S Grand Piano-style Pedal Units

Williams has two optional Grand Piano-style Pedal Units compatible with your Allegro IV. Both pedal units have the solid feel of a grand piano pedal, with chrome metal pedals built to last. Three pedals – Sustain, Soft, and Sostenuto – allow players to play any piano repertoire.

WP3A

- Works with any stand, desk, or bench
- No set up necessary, plug and play

WP3S

- Compatible with the AS2 Stand (mentioned above)
- Includes a pair of steel bars to attach to the stand and keep the pedals from moving
- Provides the complete grand piano experience

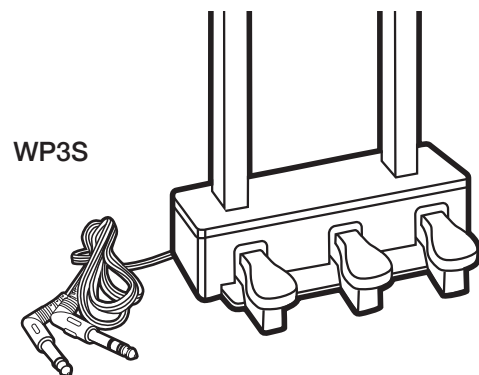
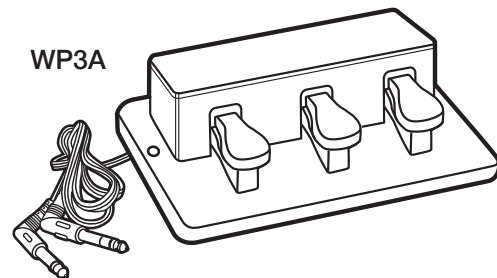


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TAKING CARE OF YOUR DIGITAL PIANO

This Williams Allegro IV digital piano will provide years of musical enjoyment if you follow the suggestions listed below.

PRODUCT SERVICING

This product should be serviced by qualified service personnel 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.
- Please contact support@williams pianos.com for parts and service information.

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 superficial or operational damage.
- Carefully check the volume control before playing. Excessive volume can cause permanent hearing loss.

CLEANING

- Clean the cabinet and panel with a soft, dry cloth. Do not use paint thinner or petrochemical based polishes.
- To maintain the luster of the keys and buttons, wipe with a clean, lightly dampened cloth, and then polish with a soft, dry cloth.

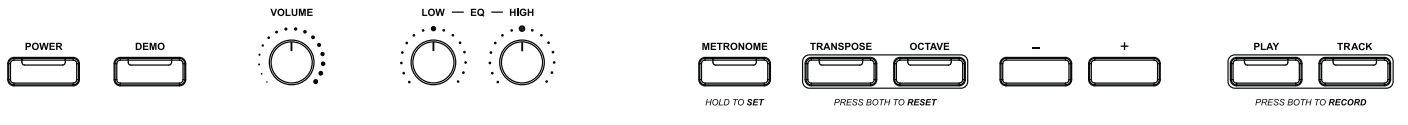
LOCATION

- To avoid deformation, discoloration, or more serious damage, do not expose the instrument to the following conditions: Direct sunlight, high temperatures, excessive humidity, excessive dust, strong vibration.
- Leave enough space around the piano for proper ventilation.
- This instrument contains digital circuitry and may cause or be susceptible to interference if placed too close to radio, television receivers, or mobile phones. If interference occurs, move the instrument further away from the affected equipment.
- Avoid placing vinyl objects on top of the instrument, vinyl can stick to and discolor the surface.

POWER

- Turn the power off when the instrument is not in use.
- To avoid damage to the instrument and other devices to which it is connected, turn the power 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 has been exposed to liquid.
- Do not switch the unit on and off in quick succession, as this places an undue load on the electronic components.
- Unplug the AC power adapter during an electrical storm.
- Avoid plugging the AC power adapter into the same AC outlet as appliances with high power consumption, such as electric heaters or ovens.

TOP PANEL



Power On/Off

Demo Button

Plays a set demo song based on selected voice. Press a second time to stop playing the demo song.

Volume Knob

Controls the overall output volume of the piano.

EQ Low / High

Adjusts the EQ to add or subtract bass and treble.

Metronome

Turns the Metronome on and off.

Transpose

Transposes the key of the piano.

Octave

Transposes the range of the piano keys 1 octave higher or lower.

Piano Reset

Pressing the Transpose and Octave buttons simultaneously while turning on the piano will perform a factory reset.

Value +/-

Changes the selected setting.

Play

Pressing Play will play back the song you recorded.

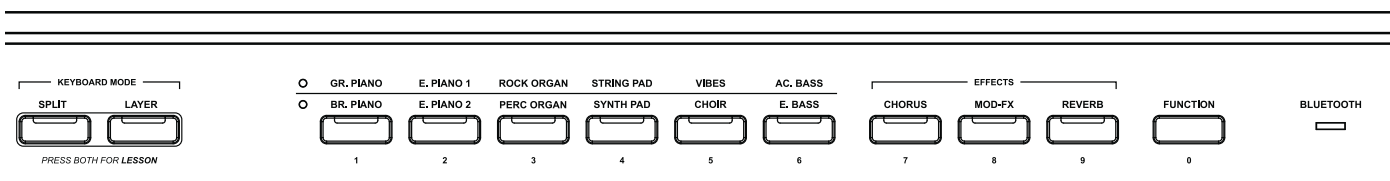
Track

Pressing the Track button alternates which recording track is currently active. When pressed, the LED will light up to indicate track 2 is active, or turn off to indicate that track 1 is active. Holding down the button will delete the currently selected track, and confirm by playing a C3 note 3 times.

Record

Pressing the Play and Track buttons simultaneously will start the recording function.

TOP PANEL



Split Button

Splits the keyboard with different sounds on the right and left side.

Layer Button

The Layer function allows two voices to be played at once.

Lesson Mode

The Lesson function splits the keyboard into two identical zones.

Voice Select Buttons

Piano, Electric Piano, Organ, Strings, Synth, Vibraphone, Choir, and Bass.

Variation LED

This shows which sound variation is selected. There are two rows of sound names, top and bottom. Pressing the voice select button repeatedly alternates between the first and second rows.

Chorus Button

Turns on and off the Chorus effect assigned to the voice.

Mod FX Button

Turns on and off the Modulation effect assigned to the voice.

Reverb Button

Turns on and off the Reverb effect assigned to the voice.

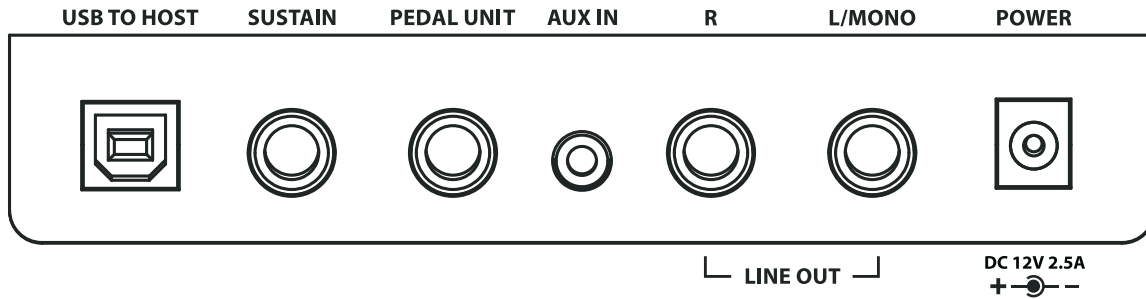
10-key function

Note that the buttons on the right side of the piano form a 10-key pad. These buttons can be used to enter values on the piano.

Function Button

Selects various functions in the Piano.

BACK PANEL



USB Input

The USB connection supports Class Compliant MIDI Drivers to use with MIDI Sequencer applications.

Sustain Pedal Input

The sustain pedal for Allegro IV will function in a similar method as an acoustic piano sustain pedal. (It will also function as a Mod FX expression pedal for organ sounds.) Using this pedal will allow the piano key sounds to decay slowly. A piano-style pedal may optionally be used. The jack will auto-detect the polarity of the sustain pedal: Plug in the pedal and then turn on the Allegro IV. It will auto-sense the correct polarity as it starts up.

Pedal Unit

Secondary input for 3-pedal accessories.

Aux In

The stereo 1/8" aux input sends that signal to the headphones, line outputs, and speakers. When interacting with an app, plug an aux cable from the headphone jack of your device to the Aux Input. This allows all of the audio to play back from the same place.

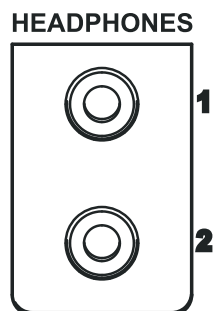
Stereo/ Mono Line Out 1/4" Jacks

The output jacks supply a line-level signal for external amplification. Use both jacks for stereo or just the Left jack for mono.

Power

Input for the piano AC power supply cable.

FRONT PANEL



Headphone Jacks

The two headphone jacks disable the speakers when headphones are connected.

OPERATIONS

Most of the front panel buttons are very straight forward and easy to select for general functions. In cases where you want to edit settings in more depth you will need to use the front panel buttons as well as the Function button and Value buttons to change parameters.

NOTE: Many of these functions can also be set up using the Williams Piano app for iOS. Download this app for free from the Apple App Store.

Powering on Allegro IV

Press and hold the POWER button on the left side of the front panel for two seconds. The LED light in the button will stay on when the piano is on. This product has a power standby mode. If the piano turns off while you are not playing it, this is likely due to the Power mode being set to Auto Power off. To turn off this function, hold the Function button and press F#2 on the keyboard (below middle C).

Voices

The Legato IV piano has 12 built-in voices. Each voice may be selected by pressing one of the Voice Select buttons on the front panel. Pressing the voice button again will toggle between the top and bottom voice. The button LED and the LED to the left of the voice labels indicate the selected voice. Voices can be layered to produce two voices at once, or assigned to the left or right hands in the split mode.

Voices include: Piano, Electric Piano, Organ, Strings, Synth, Vibraphone, Choir, and Bass.

#	Original Voice	#	Original Voice
1	Grand Piano	7	String Pad
2	Bright Piano	8	Synth Pad
3	Electric Piano 1	9	Vibraphone
4	Electric Piano 2	10	Choir
5	Rock Organ	11	Acoustic Bass
6	Perc Organ	12	Electric Bass

Layer Mode

In Layer mode two voices may be played simultaneously.

1. To layer two sounds, press the Layer button and select the first voice.
2. Then, while holding the Layer button, select a second voice. Release the Layer button to set the second voice.

To Change the Layer Volume Level

1. Press and hold the Layer button.
2. Press the + and - buttons to adjust the layer volume.

To adjust the volume of Main Voice, use the Volume knob. Then, scale the layer voice volume to the desired level.

SPLIT MODE

Split Mode allows the keyboard to be divided into two sections so that different voices may be played with the left and right hands. The volume may be independently adjusted for each voice, the Split Point (the highest note played with the left hand) may be adjusted and the Split Voice may be changed as desired.

To Enter Split Mode

Press the [Split] button. The Split (left hand) voice will be the last Split Voice used and the Split Point will be B2 (an octave below middle C.)

To Change The Left Hand Split Volume

To adjust the lower split volume, press and hold the Split button and press the Value + and Value - buttons.

Change The Split (Left Hand) Voice

Press and hold the Split button while depressing the desired Voice Select button.

Change The Main (Right Hand) Voice

Simply press another Voice Select button.

To Change the Split Point

Hold the Split button and then press a key on the keyboard to determine the split point. This key will be the top key of the lower split.



To Change the Split (Left Hand) Octave

When Split mode is on, changing the octave adjusts the lower split. Press and hold the Octave button then press the Value + or Value – button.

To Turn Off Split Mode

Press the Split button. The Split Button LED will switch off to show that it is disabled.

LESSON MODE

In lesson mode, the keyboard is split into two identical halves. To enter Lesson mode, press the Split and Layer buttons at the same time. To exit Lesson mode, press the Split and Layer buttons at the same time again.

DEMO SONGS

The Allegro IV comes with 12 demo songs as well as the ability for you to play and record your own song. When you record your own song the recording will be retained until you either record a new song or if you reset the Allegro IV back to factory settings.

To Play A Demo Song

The demo songs may be played by selecting a voice and then pressing the Demo button. The demo song can be changed while playing by selecting another voice. See list of demo songs.

#	Sound	Title
1	Grand Piano	Rhapsody in Blue
2	Rhodes	Granada
3	Organ Rock	Wichita Edge
4	Strings	Beautiful Dream
5	Vibes	Good Vibes
6	Aco Bass	Street Stroll
7	Bright Piano	Brown Bear Boogie
8	Wurlitzer	What to Ask
9	Organ Jazz	Dirty Blues
10	Synth	Oceans to Cross

11	Choir	Heavenly Decent
12	Elec Bass	Back Beat

Metronome Function

Press the Metronome button to turn on the metronome. The LED will light. You will hear the click in head phones or speakers. Press the Metronome button again to exit metronome function. The LED will turn off.

To Change Metronome Time Signature

1. Press and hold the Metronome button, then press and hold one of the 10-key buttons on the right side of the panel. For example, for 3/4 meter hold the Metronome and 3 (Organ) buttons for two seconds. See the chart below for details.

Press and Hold	Result
1	None
2	2/4 or 2/8
3	3/4 or 3/8
4	4/4 or 4/8
5	5/4 or 5/8
6	6/4 or 6/8
7	7/4 or 7/8
8	Quarter (x/4) or Eighth (x/8) meter
9	9/4 or 9/8
10	No Accent

2. For an eighth meter (6/8, 7/8, etc), press and hold the metronome and 8 (Mod FX) buttons. To switch back to quarter meters, press Metronome and 8 again.

The default meter is 4/4. The following options are available: 2/4, 3/4, 4/4 (default), 5/4, 6/4, 7/4, 9/4, 2/8, 3/8, 4/8, 5/8, 6/8, 7/8, 9/8

To Change the Metronome Volume

To adjust the volume of the metronome in balance with the piano sound, press and hold Metronome and press the Value + or Value – button.

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Metronome Tempo Setting

While the metronome is on, pressing the Value + and – buttons changes the tempo.

To specify a tempo, press and hold the Metronome buttons and enter the three digit tempo using the 10-key pad. For example, hold Metronome and press 0-9-2 for 92bpm.

Transpose Function

To transpose the piano keyboard by +12 or -12 semitones, press and hold the Transpose button and play a key around middle C of the keyboard. Transpose + middle C is no transposition. Transpose + Eb above middle C transposes the piano sharp by 3 semitones.

The button will light up to show that the feature is active. To disable transposition, press the Transpose button.

Octave

To transpose the piano up or down by one octave, press and hold the Octave button then press the Value + or Value – button. The button will light up to show that the feature is active. To disable transposition, press the Octave button.

Piano Reset

If you want to quickly reset the keyboard to the normal transposition and Octave ranges you can do this quickly by pressing the Transpose and Octave buttons simultaneously.

RECORDING

Recording Your Own Song

1. Press the Play and Track buttons simultaneously.
2. Once you start playing, the button LEDs will flash to indicate that the recording has started.
3. When you finish playing, press the Play and Track buttons again to stop the recorder, or you can press Play only to stop the recorder and hear your song.
4. To record an additional track on top of the initial recording, press the Track button.

Track Button

Pressing the Track button alternates which recording track is currently active. When pressed, the LED will light up to indicate track 2 is active, or turn off to indicate that track 1 is active. Holding down the button will delete the currently selected track, and confirm by playing a C3 note 3 times.

TUNING

To Change Piano Tuning

You may need to adjust the tuning of the piano by a few cents to match an acoustic instrument or recording. To do this, hold the Transpose button and press the Value + or Value – buttons. To reset tuning, hold the Transpose button and press the Value + and Value - buttons at the same time.

EFFECTS

The Reverb, Chorus and Mod FX effects may be applied to each voice individually and will be retained even when the power is turned off.

To apply these effects, press the associated button. The button will light and the effect will be heard when the piano is played.

To turn off the effect press the button of the desired effect again and the LED light will go off.

Reverb, Chorus, and Mod FX settings are set per Instrument and retained over power cycling.

Reverb

The reverb effect makes the piano sound like it is in a large room. To change the reverb mix amount, hold the Reverb button and press the Value + or Value – buttons.

Chorus

Chorus effects add shimmering movement to a voice. The setting can be subtle to extreme. To change the Chorus depth, hold the Chorus button then press the Value + or Value – buttons.

MOD FX

Modulation effects are designed to add unique playable sound effects to voices.

In addition to the sounds, the Allegro IV has a new effects section that will allow users to have more control over their sounds called Mod FX. These new effects will be inserted into the audio pathway of the sound to the mixer and will be preset into the Patch. When you switch on the specific patch a preset effect will be associated with the sound. You can then select whether the effect should be turned off or modified.

The Mod FX Are:

#	VOICE	MODFX
1	Grand Piano	Mono Tremolo
1	Bright Piano	Mono Tremolo
2	Electric Piano 1	Stereo Tremolo
2	Electric Piano 2	Stereo Tremolo
	Rock Organ	Rotary Fast/Slow – Change with Sustain Pedal
3	Perc Organ	Rotary Fast/Slow – Change with Sustain Pedal
4	Strings	Mono Tremolo
4	Synth	Stereo Tremolo
5	Vibes	Mono Tremolo
5	Choir	Mono Tremolo
6	Acoustic Bass	Mono Tremolo
6	Electric Bass	Mono Tremolo

To turn on the Mod FX function for an instrument press the Mod FX button. The effect will become active and the Mod FX LED will light.

To turn off the Mod FX, press the button again. The LED on the button will turn off.

Rotary

There is a rotary effect, which is designed for organ voices. To select the speed of the rotary, press the sustain pedal with your foot. Holding

down the pedal will speed up the rotary voice to a tremolo. When the pedal is released, the speed of the tremolo will slow down to a choral setting.

Tremolo

When the Mod FX effect is active, the Electric Piano voices will receive a stereo tremolo effect. The Piano and Pad voices have a mono tremolo effect.

To Change The Tremolo Depth

To adjust the tremolo depth, hold the ModFX button and press the Value + or Value – buttons.

EQ Level Setting

Use the EQ Low and High sliders to change the EQ for the piano.

Note on Effects

There are more settings available for changing effects settings in the Williams Piano app for iOS. It is available on the Apple App Store.

ADVANCED FUNCTIONS

Bluetooth MIDI

The Allegro IV is capable of wireless connection to personal devices via Bluetooth. When a device is paired, music can be played through the piano's speakers. To pair the piano to a device for standard audio Bluetooth, find "Allegro IV" in the Bluetooth settings of the device. The Allegro IV also includes Bluetooth wireless MIDI for connection to apps like the Williams App for iOS. To pair the piano to a device for Bluetooth wireless MIDI, open the Bluetooth MIDI settings in your app and select "Allegro IV MIDI". When the piano is paired to a device, the Bluetooth LED will light up. Bluetooth MIDI allows you to connect with piano learning apps on a variety of devices. If the app doesn't support Bluetooth MIDI, you can still use it with a USB adapter.

Auto Power Save

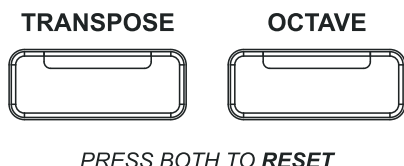
The Allegro IV has a Power saving function that will shut off the Piano after 30 minutes of non-use. The default setting is Off, however if you find you want this function to work use the steps below.

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1. Press and hold the Function button.
2. Press the F#2 key (F# below middle C). The current setting is confirmed by Piano 1 C3 playing once for on and twice for off.

Factory Reset

Performing a Factory Reset will clear all battery backed memory and restore all functions to factory defaults.



1. Turn the Power Off.
2. Press and hold the transpose and octave buttons.
3. Turn the Power on. All of the LEDs will light up to show that the piano has been reset.

Touch Sensitivity

You can change the way the keyboard reacts to your playing by adjusting the Velocity curve settings

1. Press and hold the Function button.
2. Press F#1, G#1, A#1, or C#2 to select between Low, Normal, High, or Fixed velocity curves. Refer to the chart below.

F#1 Low Velocity

G#1 Normal Velocity

A#1 High Velocity

C#2 Fixed Velocity

The default fixed velocity is 100. Press Function and + or - to change it from 1 to 127.

MIDI

The Musical Instrument Digital Interface (MIDI) is an industry-standard protocol that enables electronic musical instruments such as keyboards,

computers, drum machines, etc. to communicate, control, and synchronize with each other. MIDI transmissions consist of electronic codes that communicate notes to be played, the instrument, pitch or intensity that notes are to be played with, and controlling codes such as volume, vibrato, cues and clock signals. The Allegro IV has several functions that facilitate its use as a MIDI device or controller.

MIDI Channels

The Allegro IV has 16 channels numbered from 1-16. Each of the channels is responsible for a voice. When the instrument receives MIDI information from an external device, the active channel is determined by the control message.

The transmission channels are fixed as follows:
Channel 1 Master voice (keyboard)

Channel 2 Split voice (keyboard) Channel 3 Layer voice (keyboard) Local On/Off

Turning the Local On/Off function to “Off” will disconnect the keyboard from the internal sound engine of the piano. The Allegro IV may then be used as a MIDI controller to control other MIDI devices or virtual instrument software running on a computer, without playing the sounds on the piano. Additionally, it may be desirable to turn local playing off for other requirements such as when using MIDI sequencing software on your computer.

Local On/Off Setting

1. Press and hold the Function button.
2. Press the D#1 key. When D#1 is first pressed the current setting is confirmed by Piano 1 C3 playing once for on and twice for off. Pressing D#1 again will change the setting playing Piano 1 C3 the amount of times equivalent to the new setting.

Multitimbral Mode

The Allegro IV is able to receive MIDI information on up to 16 channels simultaneously. If you plan to use your piano with a multitrack MIDI recording system, you can record up to 16 different parts using the Williams Allegro voices, each played back individually on different MIDI channels. To

ensure your recorded part is played back with the correct voice make sure to press the voice button first and play your part second.

NOTE: Because the Allegro is receiving playback information via MIDI, the currently selected voice on the piano may not correspond to the voice being played back.

MIDI Channel Modes

1. Press and hold the Function button
2. Pressing A#0 allows you to change the MIDI channel. The main piano sound will play Piano 1 C3 the amount of times equivalent to the current value. So, if MIDI channel 5 is selected it will play 5 times. You then press A#0 five times to select channel 10. Piano 1 C3 will play the amount of times equivalent to the current setting, after 2 seconds of inactivity. Once 16 is reached, pressing one more time will select 1.

MIDI Panic Reset

1. Press and hold the Function button
2. Pressing C#1 triggers “MIDI Panic” which sends out general MIDI reset messages such as all note off, etc. Once Panic reset has been completed, the piano will automatically exit Edit mode.

Memory Autosave

When modifying the settings of the Williams Allegro IV the following settings will be saved after you turn off the keyboard: Reverb, Chorus (for each voice), Main Volume, Layer Volume, Split Volume, MIDI Channel, Velocity Curve, Split Octave, and Auto Power Off.

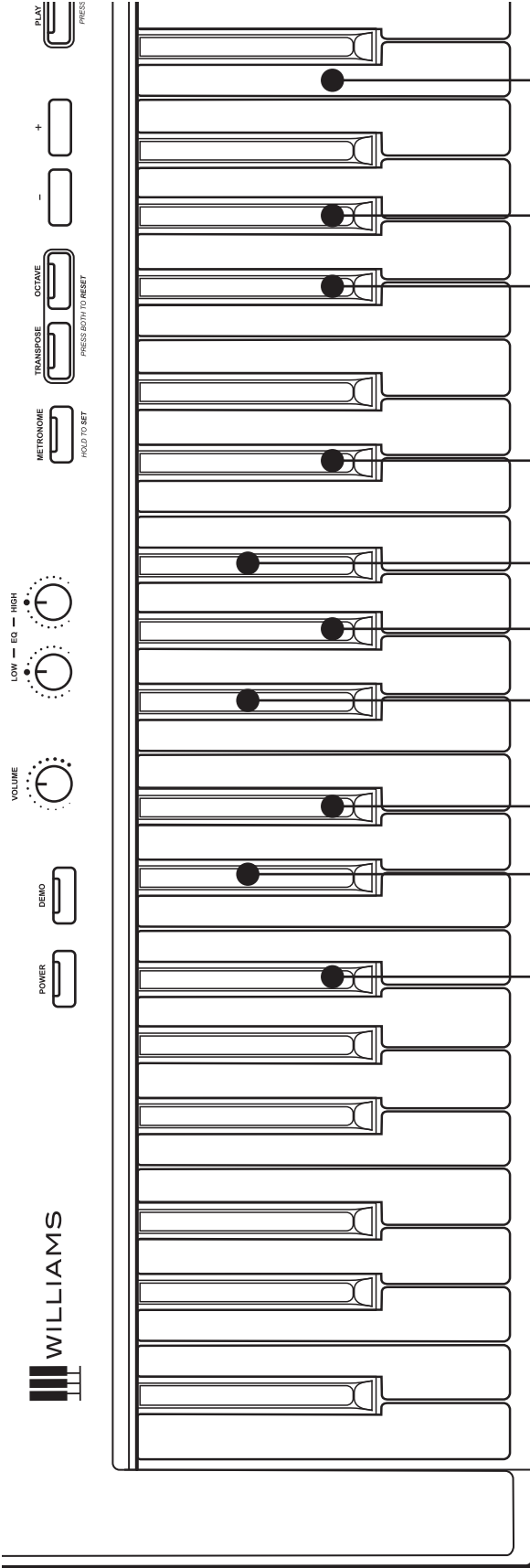
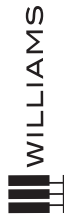
SPECIFICATIONS

Keyboard	88 weighted, velocity-sensitive keys
Voices	12
Polyphony	128
Voice Control	Layer, Touch, Split, Metronome
Pedals	Sustain
Demo Songs	12
MIDI Transmit Settings	Local control, Bluetooth
Connectors	USB, Sustain Pedal, Aux In, Line Out (L/R), Phones
Dimensions	52" X 13.2" X 4.5"
Weight	35.5 lbs.
Supplied	Owner's Manual, Music Stand, Power Supply, and Sustain Pedal

KEYBOARD SHORTCUTS

FUNCTION MODE:

Press and hold Function, then Press one of the keys below.



 POWER
 DEMO
 VOLUME
 LOW — EQ — HIGH
 METRONOME
HOLD TO SET
 TRANSPOSE
PRESS BOTH TO RESET
 OCTAVE
+
-
 PLAY
PRESS

- A#0 MIDI Channel
- C#1 MIDI Panic
- D#1 Local On/Off
- F#1 Soft Velocity
- G#1 Normal Velocity
- A#1 Hard Velocity
- C#2 Fixed Velocity
- F#2 Auto Power On/Off
- G#2 Bluetooth
- C#3 Middle C



MIDI IMPLEMENTATION CHART

FUNCTION		TRANSMITTED		RECOGNIZED	REMARKS
Basic Channel	Default Changed	Basic Channel	Default Changed	1-16 CH 1-16 CH	
Mode	Default Messages Altered	Mode 3 X *****		Mode 3 X X	
Note Number:	True Voice	0~127 *****		0~127 0~127	
Velocity	Note ON Note OFF	O 9nH,v=1~127 O 8nH,v=0		O 9nH,v=1~127 O 9nH,v=0 or 8nh	
After Key's		X		X	
Pitch Bender		X		O	
Control Change	0, 32 1 6 7 10 11 64 66 67 80, 81 84 91, 93 98, 99 100, 101 121	X X X O X X O X X X X X X X O		O O O O O O O O O O O O O O O O O O O	Function Modulation Data Entry Volume Pan Expression Sustain Sostenuto Soft Pedal DSP Type Portamento DSP Depth NRPN LSB, MSB RPN LSB, MSB Reset All Controllers
Program Change:	True	O 0-9 0-9		O 0-9 0-9	
System Exclusive		X		O	
System Common	Song Position Song Select Tune	X X O		X X X	
Aux Messages	Local ON/OFF All Notes OFF Active Sense Reset	O O X O		O O X O	

Mode1:OMNI ON,POLY Mode2:OMNI ON,MONO O: Yes
 Mode3:OMNI OFF,POLY Mode4:OMNI OFF,MONO X: NO

*1: Registered parameter number:

- #0: Pitch sensitivity
- #1: Fine tuning in cents
- #2: Coarse tuning in half-tones

*2: NRPN 1220h select IFX type 0: off

- 1: slow rotary
- 2: fast rotary NRPN 1230h Enable IFX for current track
- 3: auto_pan NRPN 1237h set global reverb send level if IFX have been enable on this track
- 4: auto_tremelo NRPN 1238h set global chorus send level if IFX have been enable on this track

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