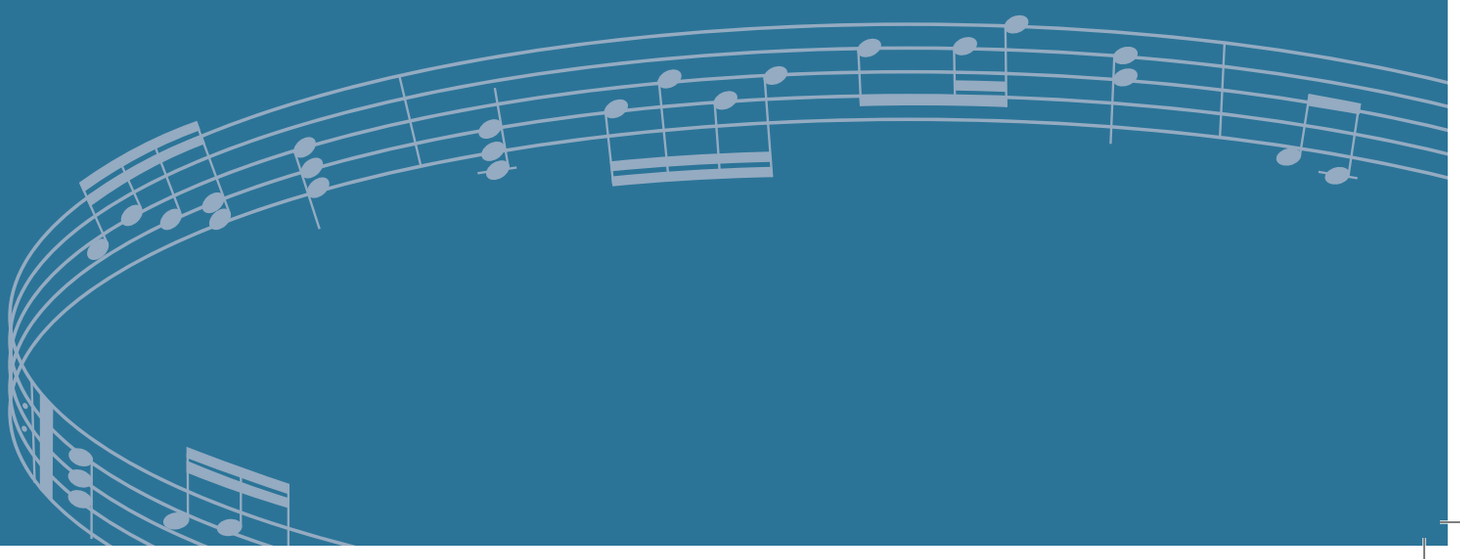
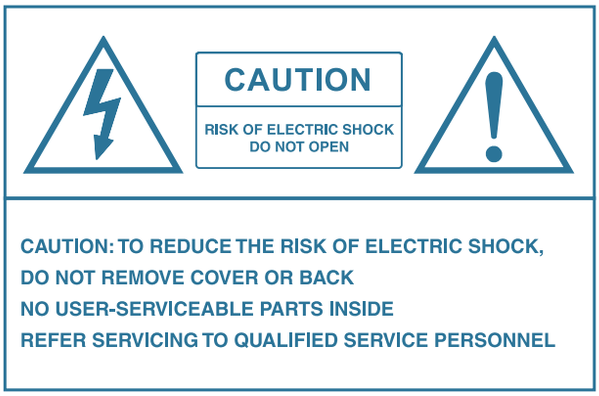
WILLIAMS™

Williams Etude Mk2
User's Manual





Important Safety Instructions

1) Do not use near water.
2) Clean only with dry cloth.
3) Do not block any ventilation openings.
4) Do not place near any heat sources such as radiators, heat registers, stoves, or any other apparatus (including amplifiers) that produce heat.
5) Do not remove the polarized or grounding-type plug.
6) Protect the power cord from being walked on or pinched.
7) Use only the included attachments/accessories.
8) Unplug this apparatus during lightning storms or when unused for long periods of time.
9) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way.

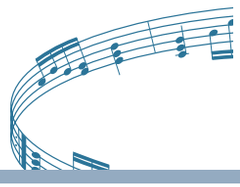
FCC Statements

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.



We would like to express our appreciation and congratulate you for purchasing the Williams Etude Mk2 digital piano. With proper care, this piano will provide you with years of musical enjoyment. Williams' advanced state of the art electronics are combined with an elegant cabinet that will add beauty and sophistication to any home or studio environment.
Some features include:

- Authentic acoustic piano feel
- Williams' acclaimed stereo imaging
- Acoustic instrument voices offering unmatched realism
- Metronome feature with variable tempo to facilitate practice
- Compact and dynamic sound delivery system
- Two track recorder that allows you to record and playback your performances
- Digital effects to further enhance the instrument voices
- MIDI in/out
- Audio output
- Pedal and headphone jacks

You will find many more features and functions listed within this owner's manual.
In order to make the most of your piano, we suggest you take a few minutes to read this owner's manual, then save it for later reference.

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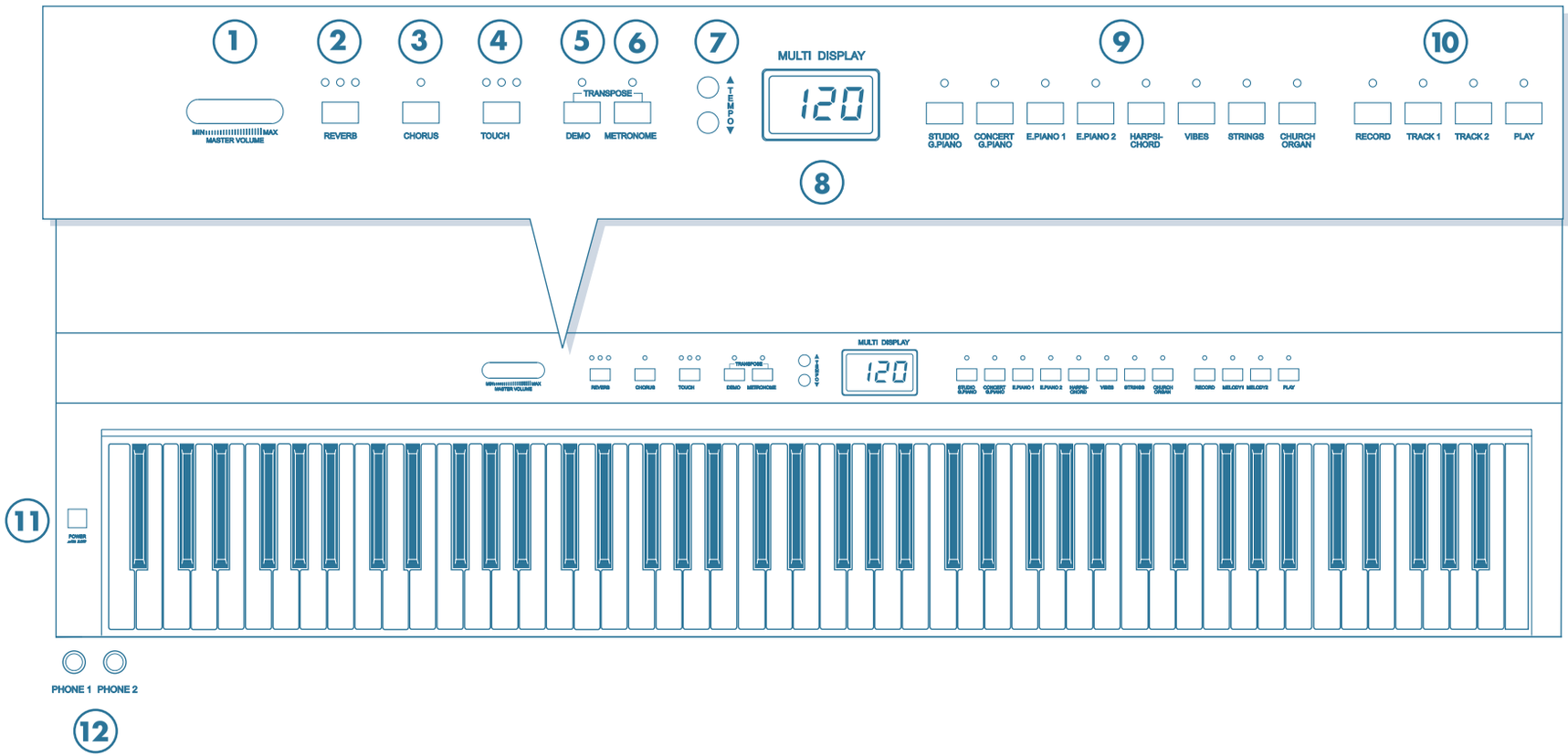
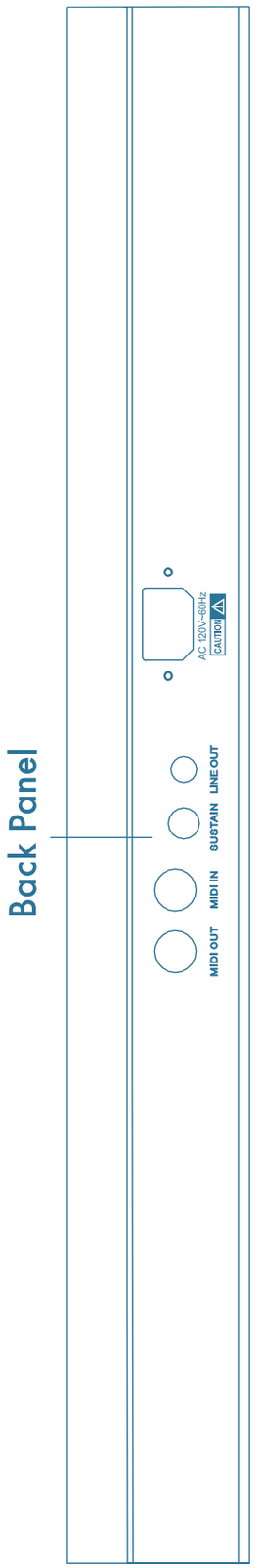
Front Panel



1. **MASTER VOLUME** control
2. **REVERB** button
3. **CHORUS** button
4. **TOUCH** button
5. **DEMO** button
6. **METRONOME** button
7. **TEMPO** buttons
8. **MULTI DISPLAY**
9. **VOICE** selectors
10. **RECORDER** buttons
11. Power **ON/OFF**
12. **Phone** jacks



13 **MIDI OUT/IN** connectors

14 **Sustain Pedal** jack

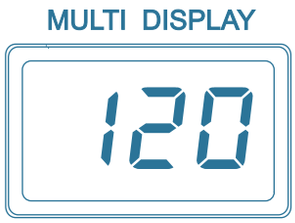
15 **Line Out** jack

16 **Power** connector

Playing the Piano

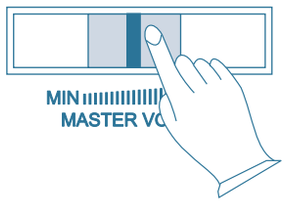
Turning on the Power

Turn the power on by pressing the **POWER** switch. The panel **LED** will illuminate.



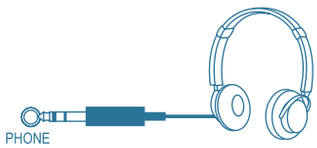
Setting the Volume

Set the **MAIN VOLUME** half way between the "**MIN**" and "**MAX**" settings. Then adjust to your preference.



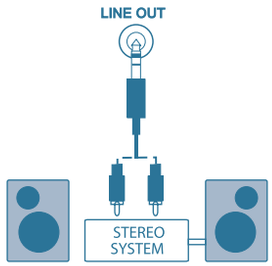
Using the Headphones

Stereo headphones can be plugged into either **PHONE** jack for private practice or late-night playing. The internal speaker system will automatically shut off. Two sets of headphones can be used simultaneously.



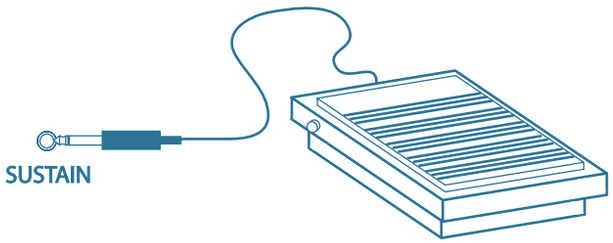
Using an External Sound System

The **TRS LINE OUT** jack delivers the piano output to a keyboard amplifier, stereo sound system, mixing console or tape recorder.



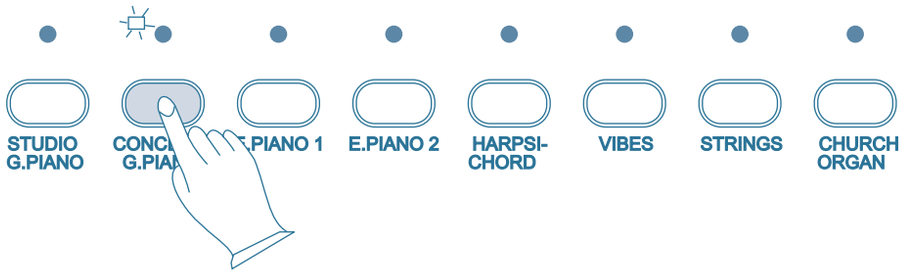
The Sustain Pedal

The included footswitch can be plugged into the rear-panel **SUSTAIN PEDAL** jack. Press the pedal to sustain notes after the keys are released. You can also use an optional piano-style sustain pedal, available from your Williams dealer.



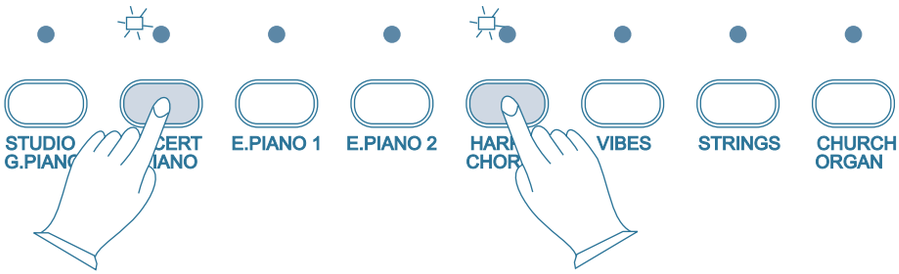
Selecting a Voice

Your Etude Mk2 comes with eight built-in Voices: Studio Grand Piano, Concert Grand Piano, E.Piano1, E.Piano2, Harpsichord, Vibes, Strings, and Church Organ. By pressing the Voice button, you can select the desired Voice, and its indicator will light up.

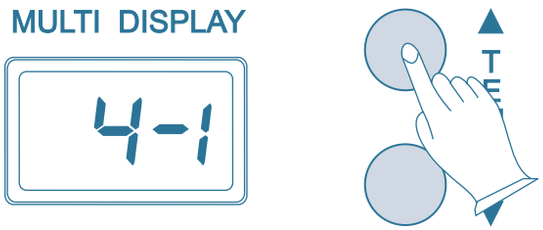


Selecting Dual Voice Mode

To play two Voices simultaneously, press two Voice buttons at the same time.



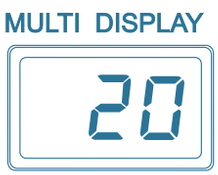
While in dual Voice mode, you can adjust the balance of the two Voices using the [TEMPO +/-] buttons. The LED will show the sound levels of both voices from 1 through 4. "1" being the softest and "4" being the loudest.

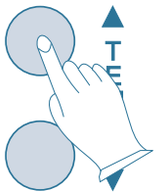


Reverb Effect

The Reverb effect reproduces the natural ambient sound that occurs when an instrument is played in a room or concert hall. You can press [**REVERB**] button several times to select the reverb type: Room, Hall, or Theatre. When all reverb indicators are off, there is no reverb effect.

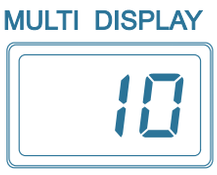
Hold the [**REVERB**] button for more than two seconds. The effect level will show on the **LED**. Use the [**TEMPO+/-**]buttons to adjust the effect level.

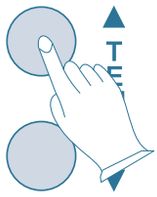




Chorus Effect

The Chorus effect can be turned on and off by pressing the [**CHORUS**] button. Hold the [**CHORUS**] button for more than two seconds. The effect level will show on the **LED**. Use the [**TEMPO+/-**] buttons to adjust the effect level.





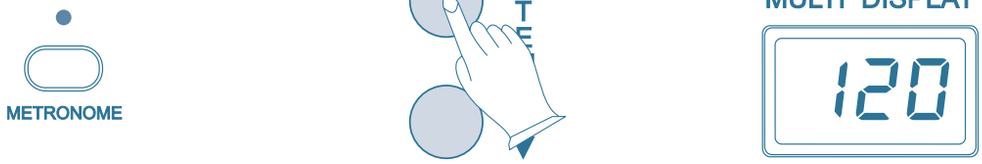
Touch Sensitivity

You can select from four types of touch-sensitivity styles to accommodate the way you play. Press the [**TOUCH**] button several times and the corresponding indicator will be lit.

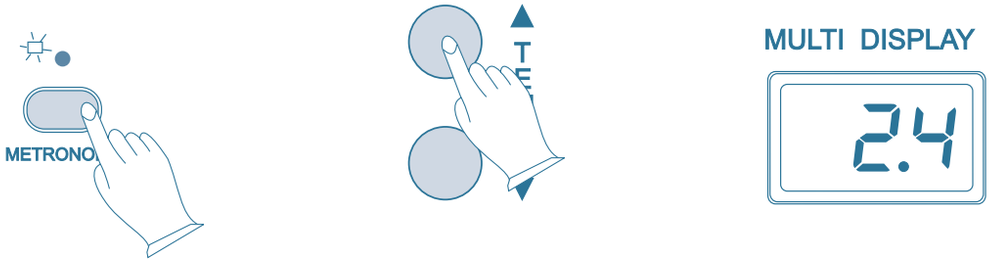
HARD style: requires more strength to produce maximal sound.
MEDIUM style: requires standard strength to produce maximal sound.
SOFT style: requires less strength to produce maximal sound.
FIXED style: when all indicators are off, keyboard will produce the same sound volume no matter how soft or hard you play.

Metronome

The digital **LED** displays the metronome speed. The [**TEMPO+/-**] button adjusts the speed from 32 to 280bpm. Press both buttons at the same time to return the speed to 120bpm.

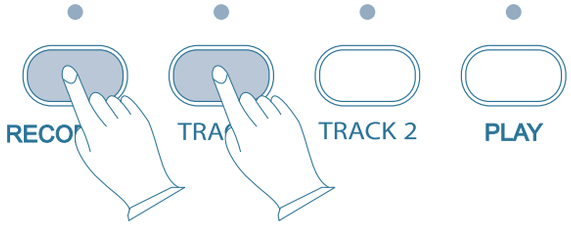


You can turn on or off the metronome function by pressing the [**METRONOME**] button.
To select beat type, hold the [METRONOME] button for a few seconds. The beat type will show on the **LED**. You can change the beat type by pressing the [**TEMPO+/-**] buttons. Beat types include: 1/4 time, 2/4 time, 3/4 time, 4/4 time, 6/4 time, 6/8 time, 12/8 time.



Record

Press the [**RECORD**] button and then press the [**TRACK 1**] or [**TRACK 2**] buttons to select the current track recording. If the other track has data already recorded, it will play when recording starts. Recording starts as soon as you press any key on the keyboard. Press [**RECORD**] button again to end the recording.



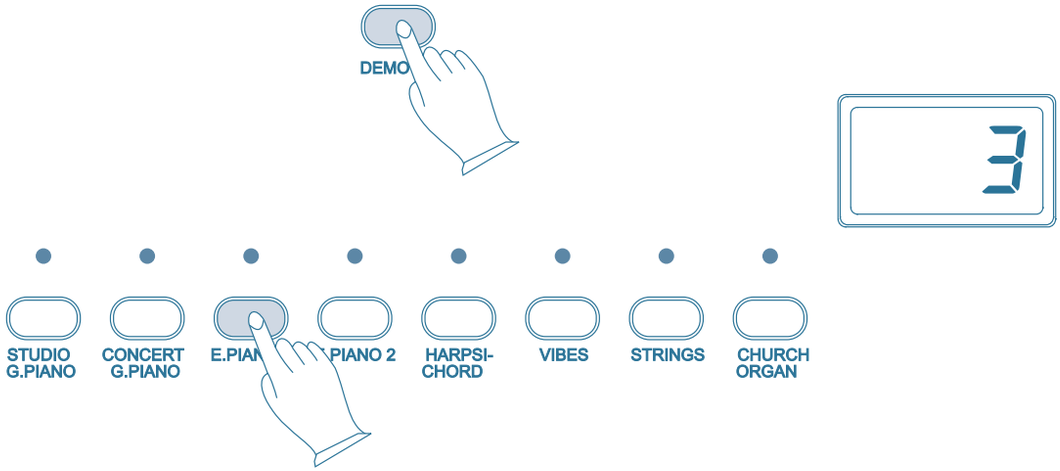
To record **TRACK 1**: Press the [**RECORD**] button, then press the [**TRACK 1**] button.

Playback

Press the [**TRACK 1**] or [**TRACK 2**] buttons to select the tracks you want to play, and then press the [**PLAY**] button. The song you recorded will play back. Press [**PLAY**] again to end playback mode.

Demo

Pressing the [**DEMO**] button will make the eight Voice **LEDs** flash. These eight buttons represent 8 demo songs. Press a button and the corresponding song will play. If you don't select a song within 5 seconds, the first song will play automatically.



Press the demo button again to end demo mode.

Transpose

Hold the [**METRONOME**] button and press the [**DEMO**] button to enter the **TRANSPOSE** setting. Use the [+] or [-] buttons to transpose from G through #F. Default setting is C. Release the [**METRONOME**] button.

MIDI

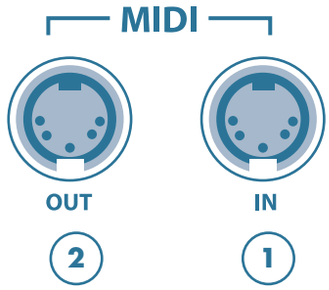
MIDI stands for Musical Instrument Digital Interface. This is a world-wide standard communication interface that enables electronic musical instruments and computers (of all brands) to communicate with each other so that instructions and other data can pass between them. This exchange of information 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 back panel of the piano.

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

NOTE: For more information regarding transmitted MIDI data, please see the MIDI implementation chart on the next page.



MIDI CHANNEL: 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 information 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 (keyboard)
Channel 2: Layer voice (keyboard)
Channel 4: Track 1 master voice
Channel 5: Track 1 layer voice
Channel 7: Track 2 master voice
Channel 8: Track 2 layer voice

ADDITIONAL VOICES

In addition to the 8 basic voices, 8 more voices are available when the Etude receives Program Change commands via MIDI In. The following instruments can be selected:

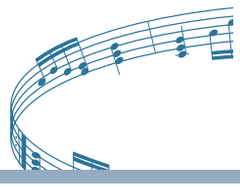
#00 Studio G. Piano
#01 Concert G. Piano
#02 E. Piano 1
#03 E. Piano 2
#04 Harpsichord
#05 Vibes
#06 Strings
#07 Choir
#08 Nylon Guitar
#09 Brass Section
#10 Church Organ
#11 Jazz Organ
#12 Kalimba
#13 Acoustic Bass
#14 Electric Bass
#15 Electric Organ

MIDI Implementation Chart

Function		Transmitted	Recognized	Remark
Basic	Default	1,2,4,5,7,8CH	1–16CH	
Channel	Changed	1,2,4,5,7,8CH	1–16CH	
Mode	Default	Mode 3	Mode 3	
	Messages	X	X	
	Altered	**********	X	
Note		16–114	0~127	
Number	:True voice	**********	0~127	
Velocity: Note ON		O 9nH,v=1~127	O 9nH,v=1~127	
Velocity: Note OFF		O 9nH,v=0	O 9nH,v=0 or 8nH	
Pitch Bender		X	O	
Control Change	1	X	O	Modulation
	5	X	O	Portamento time
	7	O	O	Volume
	10	X	O	Pan
	11	X	O	Expression
	64	O	O	Sustain
	65	X	O	Portamento
	66	X	O	Sostenuto
	67	X	O	Soft pedal
	80	X	O	DSP TYPE
	91	X	O	DSP DEPTH
	100, 101	X	O (*1)	RPN LSB, MSB
	120	O	O	All sound off
	121	X	O	Reset all Controllers
Program		O 0–6, 10	O 0–127	
Change	:True	0–6,10	0–127	
System Exclusive		X	X	
System	: Song Position	X	X	
	: Song Select	X	X	
Common	: Tune	X	X	
Aux	: Local on/off	X	X	
	: All Notes Off	X	O	
Messages	: Active Sense	O	O	
	: Reset	X	O	

Mode 1: OMNI ON, POLY
Mode 2: OMNI ON, MONO
Mode 3: OMNI OFF, POLY
Mode 4: OMNI OFF, MONO
O: Yes
X: No

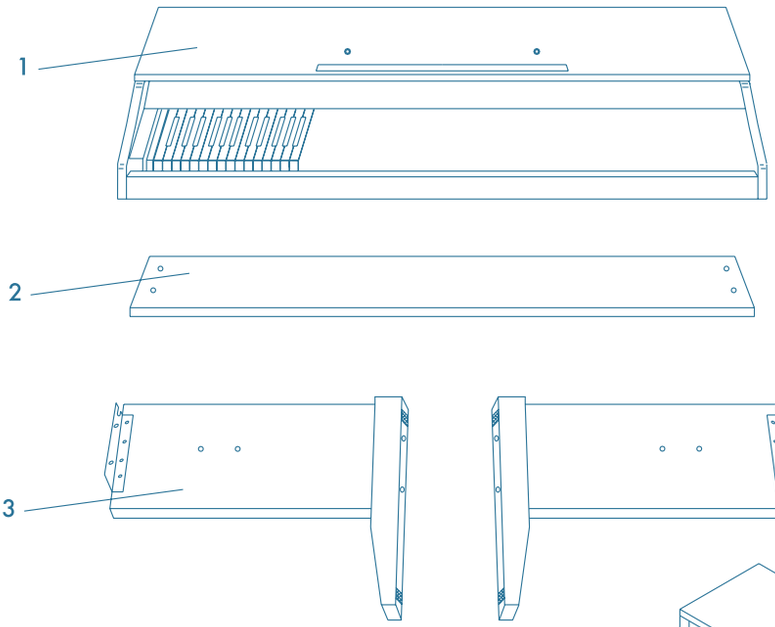
*1: Registered parameter number:
#0: Pitch bend sensitivity
#1: Fine tuning cents
#2: Coarse tuning in half-tones



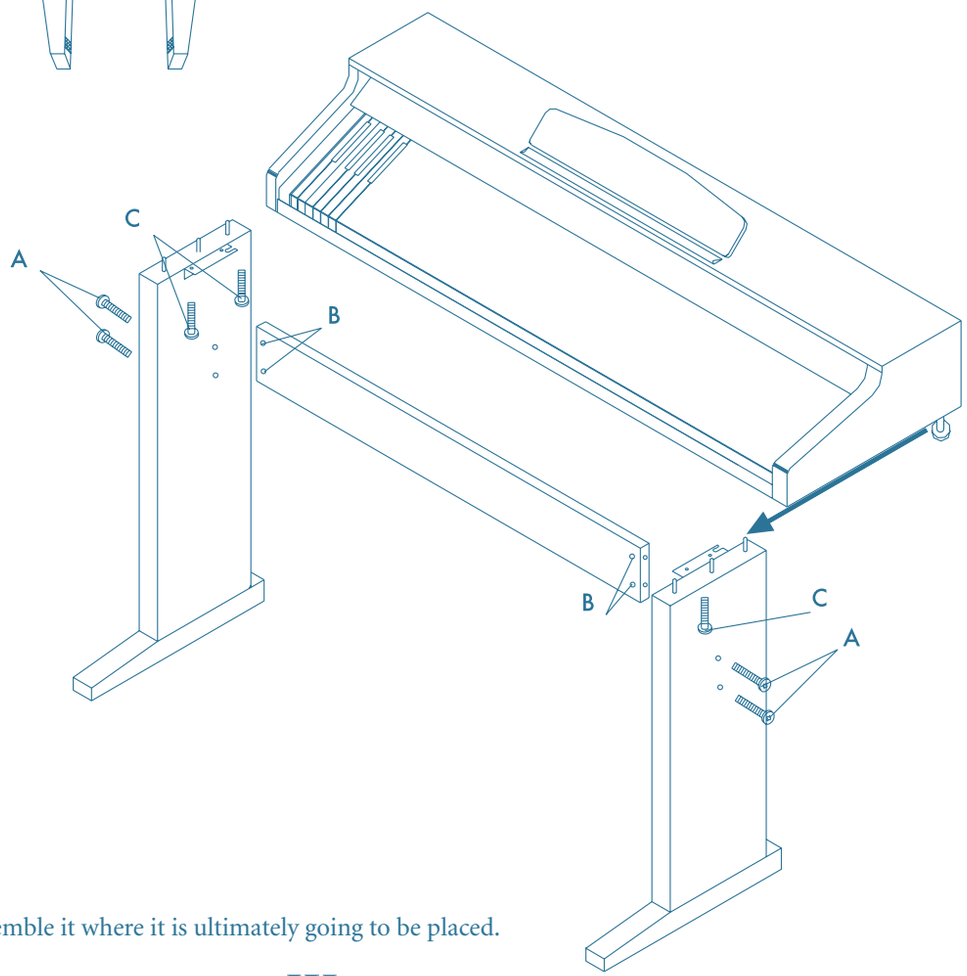
Specifications

Keyboard	88 Hammer Action Keys (A-1 ~ C7) Four Types of Touch Sensitivity
Polyphony	64 Notes Max
Voice Selectors	Studio G. Piano, Concert Piano, E.Piano1, E.Piano2, Harpsichord, Vibes, Strings, Church Organ
Recorder	2-Track >3000 Note Memory
Pedal Control	Sustain
Other Controls	Master Volume, Tempo, Touch, Metronome, Demo, Reverb, Chorus
Jacks /Connectors	Phone 1, Phone 2, Power, Line Out, Pedal, MIDI IN, MIDI OUT
Main Amplifiers	40W x 2
Speakers	16.5cm x 2, 5cm x 2
Dimensions (WxDxH)	54"W x 18"D x 31"H (music rest is 8” more above regular height)
Weight	83.33Lbs (37.8kg)

Assembly Instructions

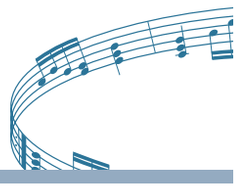


A: 4 pieces 6mm x 65mm
B: 4 nut receptacles
C: 4 pieces 6mm x16mm



WARNING

Because the piano is very heavy, assemble it where it is ultimately going to be placed.
*Extra hardware included.



WARRANTY INFORMATION

1 Year Parts & Labor Warranty

This piano is warranted by Williams to the original purchaser to be free from defects for a period of 1 year from the date of original purchase.

Defects Covered:
Any electronic or structural defects for a period of 1 year. Cosmetic damages are not considered a defect and therefore are not included in this warranty. At its option during the warranty period 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. The warranty obligations as set forth therein shall be performed free of charge with the exception of all delivery and shipping expenses. The warranty will not apply to this product in the case of misuse, abuse, alterations, normal wear and tear or other circumstance not within reasonable standards of use. Without limiting the foregoing, this warranty will not apply 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 defects are noted, call your authorized Williams dealer with regard to the alleged defect within 10 days of discovery of the problem.

Additional Warranty Requirement:
Any repairs or modifications must be completed by Williams and/or an authorized agent of Williams. This warranty is in lieu of all other warranties, expressed or implied, including implied warranties or merchantability or fitness for any incidental or consequential damages of any nature whatsoever. This warranty gives you specific legal rights and you may also have other rights, which may vary from state to state.

Register online at www.williamspianos.com, or fill out the form below.

Customer Name: _____

Telephone: _____

Address/City/State/Zip; _____

Dealer Name: _____

Dealer City: _____

Make: _____

Model: _____

Serial #: _____

Date of Purchase: _____

Customer Signature: _____

Date: _____

A copy of this warranty must be mailed to WILLIAMS within 10 days of receipt. Williams Pianos, P.O. Box 5111, Thousand Oaks, CA. 91359-5111

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