artesia

A-61

Digital Piano

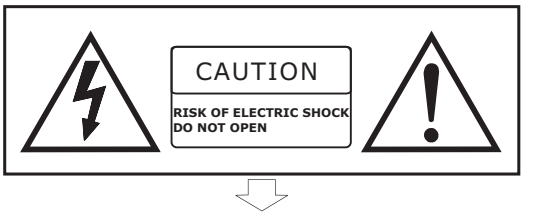
Owner's Manual

Virgin Musical Instruments

Precaution

Thank you for purchasing this digital instrument. For correct operation and safety, please read the manual carefully and keep it for future reference.

Safety Precautions



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Important Safety Instructions

(Figure 1)

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings; install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over (Figure 1).
13) Unplug this apparatus during lightning storms or when unused for a long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the 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.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
CAUTION: Apparatus shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the apparatus.
Always make sure all batteries are inserted the correct way around to match the +/- polarity markings.
Always replace all of the batteries at the same time. Do not combine old and new batteries, also do not mix battery types, as this can cause overheating, or fire, or battery fluid leakage.
Remove the batteries from the instrument if it is not to be used for a long time.

WARNING: This product contains chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

Thank you for choosing the Artesia A-61 Digital Piano

Your portable 61 note piano not only contains leading and innovative technology but it also is developed by and for musicians of all playing levels. Featuring a natural balanced, weighted keyboard action and an advanced Acousta tone generation sound technology, that will provide you with a rich performing and playing experience.
This Piano offers many features and connection possibilities.To get the most out of your instrument, please read this manual and try out the various functions that can compliment your playing style.
Whether it is on stage, studio or home, your new mobile piano is designed to give you years of musical enjoyment.

Features Include:

. 61 Key Natural Balanced Keybed
. 8 Acousta Sampled Instrument Voices
. DSP Functions for additional realism
. USB to Host Connection
. USB MIDI, Stereo and Mono Line Outs
. Battery Operated (6 D Cell Batteries are not included)
. Includes DC Adaptor, Sustain Pedal, Music Rack and more

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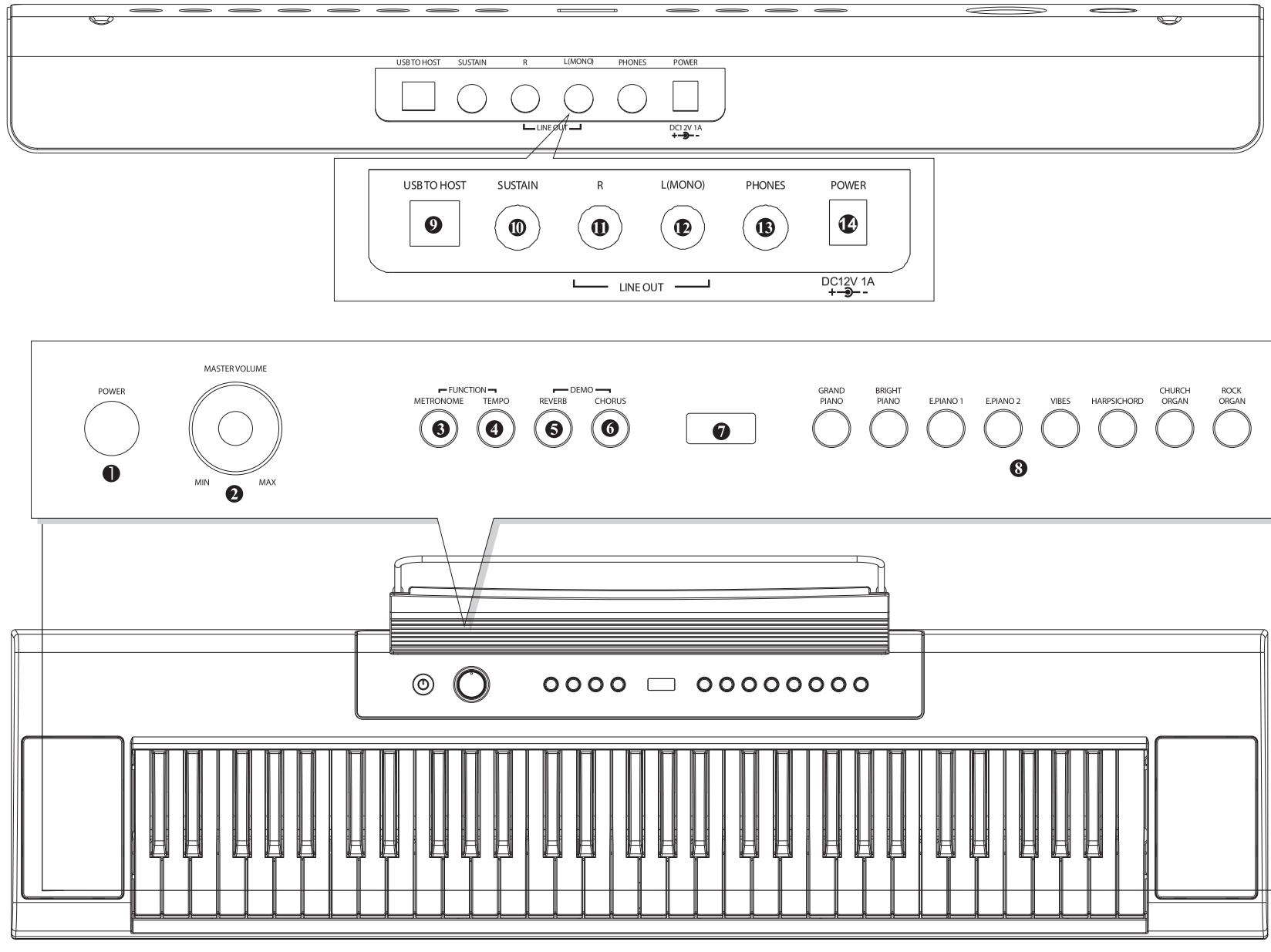

USB TO HOST
SUSTAIN
R
L(MONO)
PHONES
POWER
LINE OUT
DC12V 1A
9
10
11
12
13
14
POWER
1
MASTER VOLUME
MIN
MAX
2
FUNCTION
METRONOME
TEMPO
3
4
DEMO
REVERB
CHORUS
5
6
7
GRAND PIANO
BRIGHT PIANO
E.PIANO 1
E.PIANO 2
VIBES
HARPSICHORD
CHURCH ORGAN
ROCK ORGAN
8

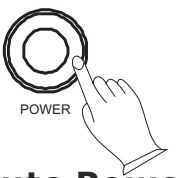
Control Panel

1. POWER
2. MASTER VOLUME
3. METRONOME Button
4. TEMPO Button
5. REVERB Button
6. CHORUS Button
7. LED DISPLAY
8. VOICES Select
9. USB TO HOST Jack
10. SUSTAIN Jack
11. LINE OUT(R) Jack
12. LINE OUT(L)(MONO) Jack
13. PHONES Jack
14. POWER Jack

Getting Started

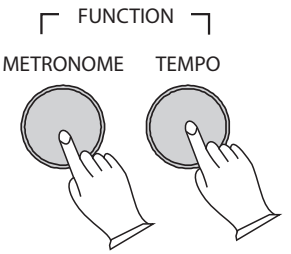
Turn on the power

Before playing turn the power on by pressing the POWER switch, the panel LED's will turn on.

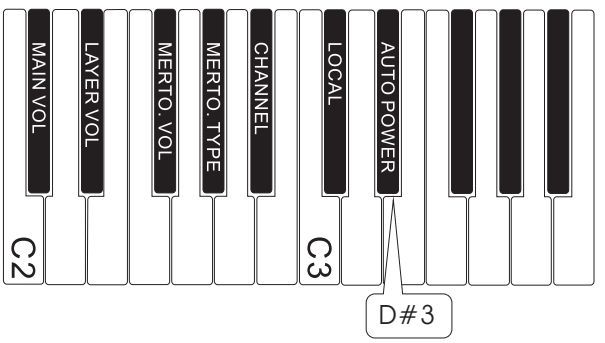


Setting the Auto Power On/Off Function

If there is no playing activity for 30 minutes your piano has an auto turn off function.
Press the [METRONOME] and the [TEMPO] buttons together to enter the Function Mode.



Pressing the D#3 piano key allows the user to switch auto Power ON or Off. The LED will display the power-saving switch state.



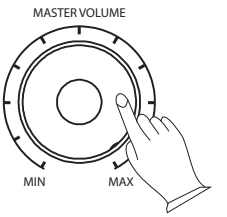
Press the [METRONOME] and the [TEMPO] buttons together again to exit the the Auto Power Function Mode.

NOTE

When the Auto Power Function is on, it means the piano will Auto Power Off after 30 minutes if there is no operation.

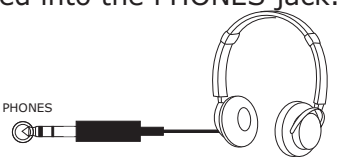
Set the Volume

Initially set the [MASTER VOLUME] about half way between the"MIN" and "MAX" settings. You can adjust the volume to accommodate your playing style.



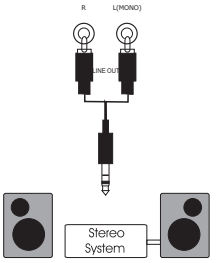
Using Headphones

One standard stereo headphone set can be plugged in for private practice or late-night playing. The internal speaker system is automatically shut off when a pair of headphones is plugged into the PHONES jack.



Using an External Sound System

The Line Out jack(R) and Line Out jack(L)(MONO) can be used to deliver the output of the piano to a keyboard amplifier, stereo sound system, mixing console or tape recorder.



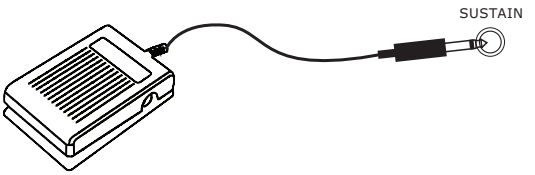
Using USB-MIDI

USB TO HOST

This piano allows the transfer of MIDI over USB. There is a specific way in which the MIDI signals are routed for maximum flexibility. In a standard Digital Piano, the built-in keyboard sends MIDI signals to the internal sound bank as well as the 5-pin MIDI output. In this digital piano, the keyboard not only sends MIDI signals to the internal sound bank (just like normal) but also sends MIDI signals simultaneously to the internal MIDI connection which hooks up inside the device to the Audio Interface. It is the Audio Interface that is used to control the USB-MIDI, and allows you to play recorded music from your laptop, tablet or smartphone through the A-61 sound delivery system. So you can play along with your favorite songs.

Sustain Pedal

The foot pedal included with your digital piano will cause piano key sounds to decay slowly as if they were being held down. The jack will auto-detect the polarity of the sustain pedal.



NOTE

Ensure the piano is turned off before connecting the pedal. Otherwise, it will affect the piano set up Function.
To change polarity, hold the foot pedal down during power up.

Using DC Power Jack

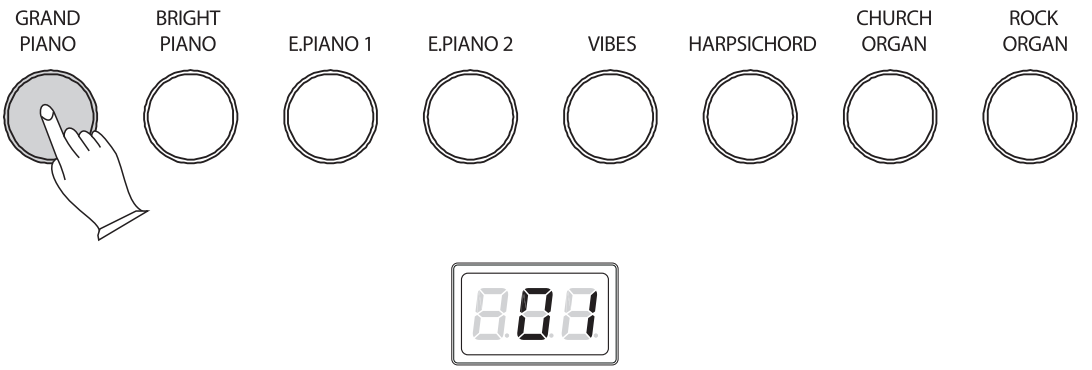
Use the included DC power adapter. Please use only the provided adapter.

Using Battery Power

Always make sure all batteries are inserted the correct way around to match the +/- polarity markings.
Always replace all of the batteries at the same time. Do not combine old and new batteries, also do not mix battery types, as this can cause overheating, or fire, or battery fluid leakage.
Remove the batteries from the instrument if it is not to be used for a long time.

Selecting a Voice

The piano has 8 built-in voices, which include several pianos as well as other instruments. These digitally-sampled musical instrument sounds may be selected one at a time, or layered to produce two voices at once.
To select an instrument voice press the appropriate Voice Select button on the right side of the front panel.

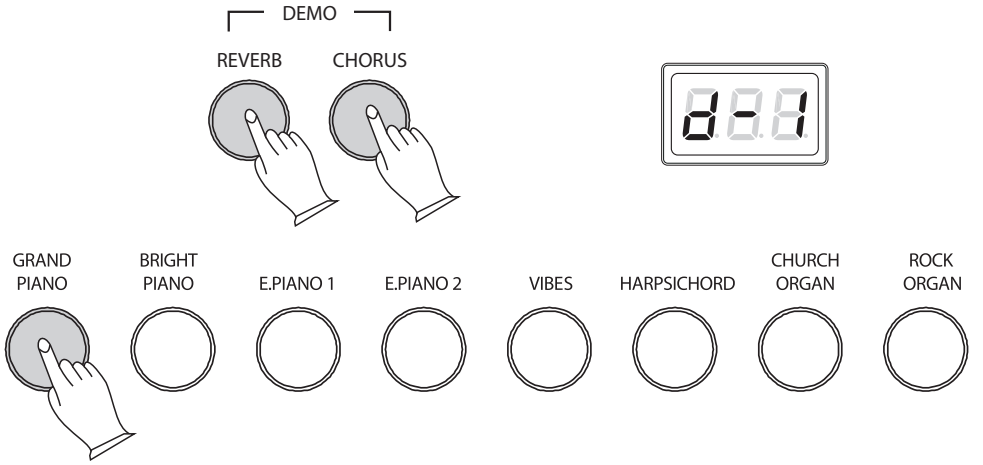


Demo Songs

There are 8 demo songs in the piano. Each demo song will demonstrate a different instrument voice. Here's how you can select and play the demo songs.

Select the Demo Song

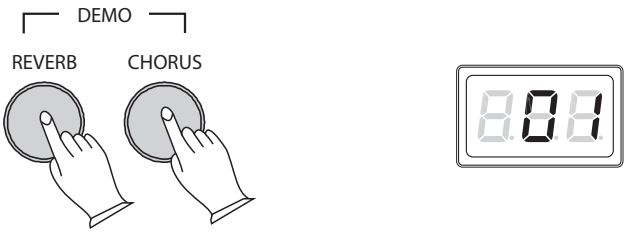
The demo songs may be played by pressing the [REVERB] and [CHORUS] buttons together simultaneously. The demo starts with the selected voice. The [REVERB] button, the [CHORUS] button and voice buttons will flash .



During playback, another song may be chosen by pressing a different voice select button.

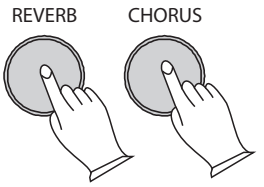
Stop the Demo Song

To stop the demo song. Press the [REVERB] button and the [CHORUS] button together again.



Reverb and Chorus Buttons

The Reverb and Chorus effects may be applied to some instrument voices individually and will be retained even when the power is turned off.

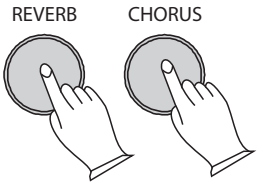


To apply the effect, press either button. The button will light and the effect will be heard when the piano is played.

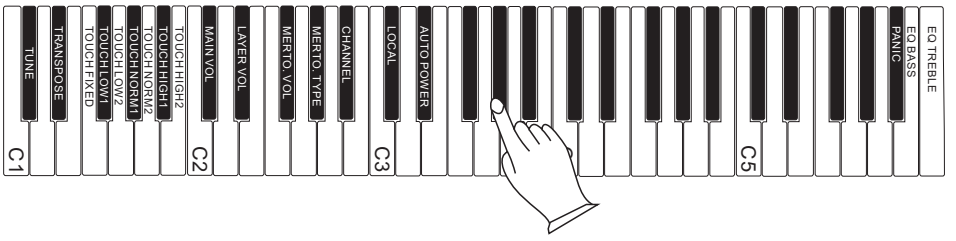
To turn off the effect, press the button of the desired effect again and the LED light will turn off.

To Adjust the depth of the effects

1. Press and hold the effect button.



2. While this function is active the LED will blink. You can then release the button and press a key on the keyboard corresponding to the setting you want for the reverb/chorus levels. It's possible to change the setting by pressing multiple keys after each other until the right setting is found.



3. Set the reverb/chorus depth by pressing a key on the keyboard to select the value.LED display will be synchronous display values. See the Appendix for the value ranges.

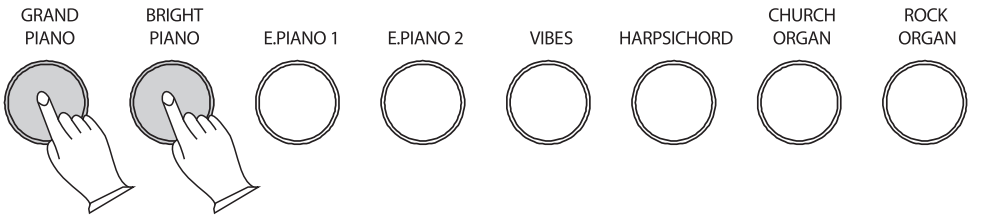
4.To exit the [REVERB] or [CHORUS] function, press the [REVERB] or [CHORUS] button again.

5. Play the keyboard to hear the new setting with the sound selected.

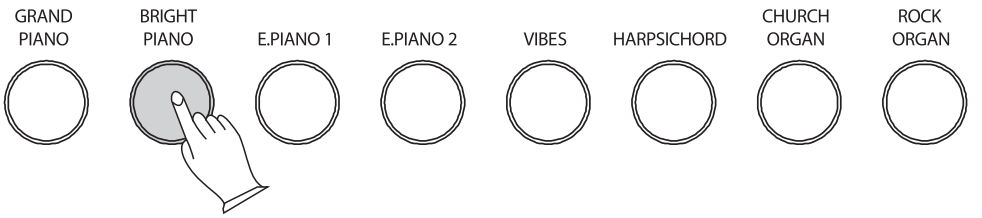
Layer Mode

In Layer mode two voices may be played simultaneously, each at different selected volumes, if desired.

To enter the Layer mode, press and hold the direct voice select button to select the MAIN sound, then press the button for the LAYER sound, and release. Both the buttons and LED will turn on while layered.

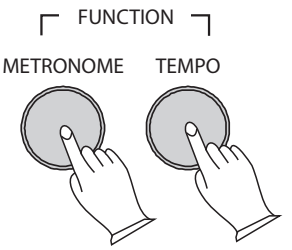


To turn the Layer Mode off, select a single voice button and the other Voice will be turned off.

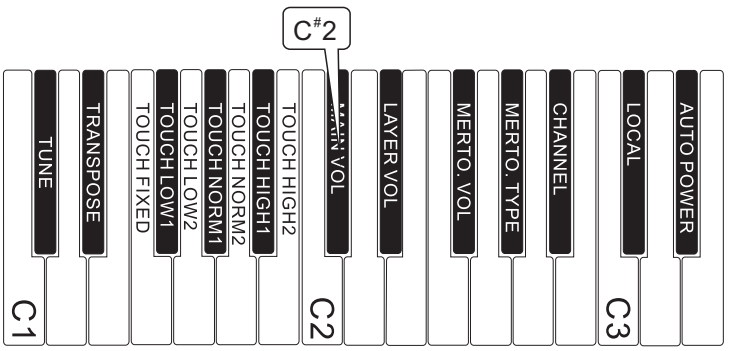


To Adjust the Volume of Main Voice in Layer

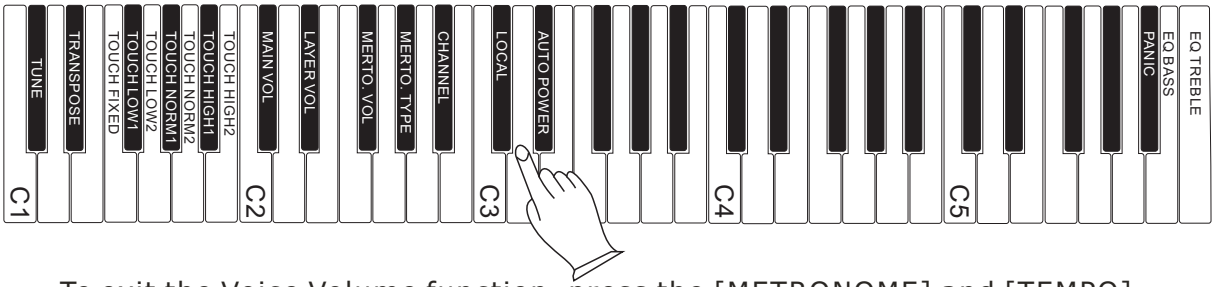
Press the [METRONOME] and the [TEMPO] buttons together to enter the Function , Mode. The LED for both buttons will turn on.



Pressing C#2 activates the main voice volume menu.



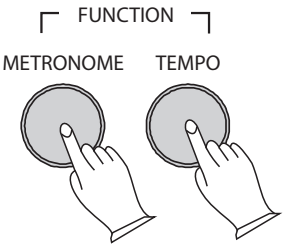
The volume can be changed from 0-127, where C6=127 and C1=0. Pressing a key will play the C3 note pitch of the currently selected voice sound at the volume corresponding to the key value. See the Appendix for the value ranges.



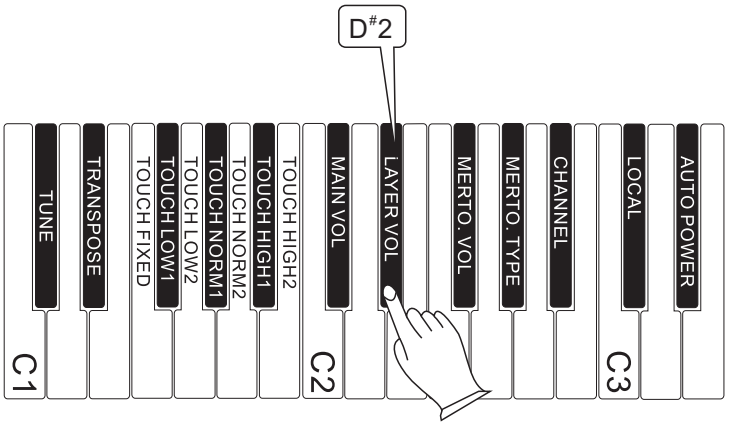
To exit the Voice Volume function, press the [METRONOME] and [TEMPO] buttons at the same time again.

To Adjust the Volume of the Layer Voice

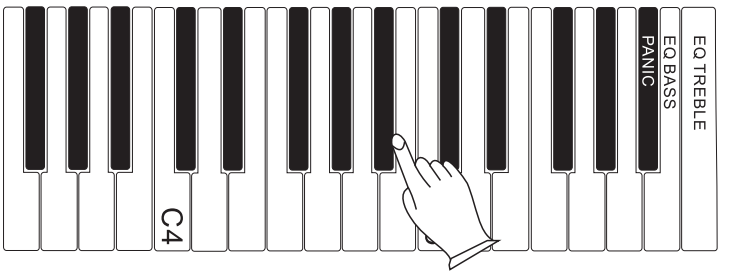
Press the [METRONOME] button and the [TEMPO] button to enter the Function Mode.



Press the ($D^{\#}2$) key to activate the layer voice volume menu. The volume can be changed from 0-127, where C6=127 and C1=0. See the Appendix for the value ranges.



Press a key will play C3 of the currently selected layered sound at the volume corresponding to the key value.

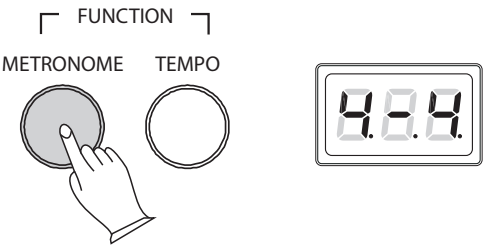


Press the [METRONOME] and the [TEMPO] again to exit the Function mode.

Metronome

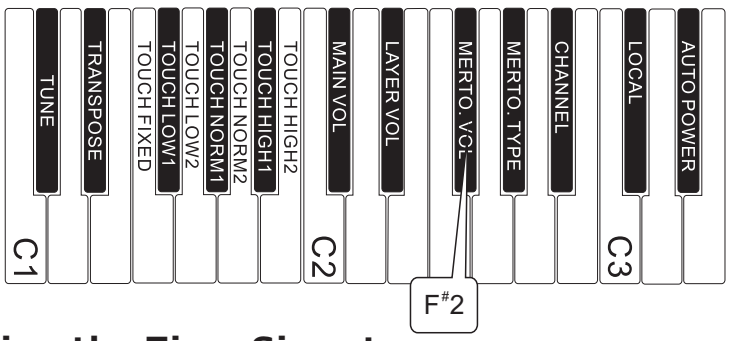
Press the metronome button to turn the metronome on.

When the Metronome button is activated its LED will turn on and you will hear the click through the speakers.



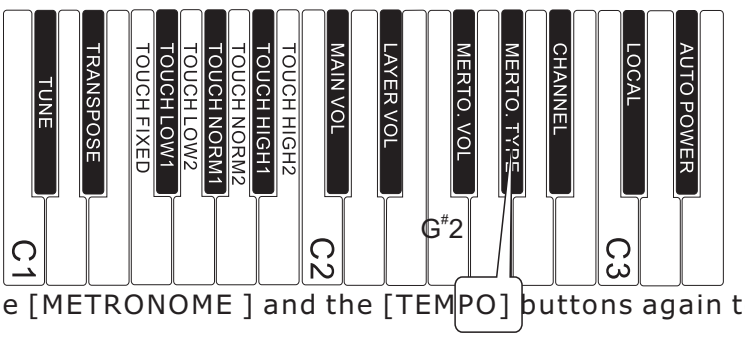
Metronome Volume

Press the [METRONOME] and [TEMPO] buttons together to enter the Function mode. Pressing F#2 activates the metronome volume menu. the volume can be changed in 61 note steps from 0-127 where C6=127 and C1=0. Pressing a key will play the metronome sound at the volume corresponding to the key value. See the Appendix for the value ranges.



Changing the Time Signature

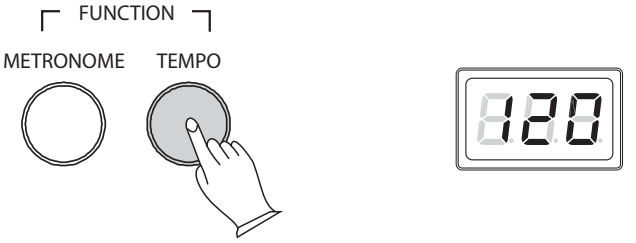
Pressing the [METRONOME] and the [TEMPO] buttons allows the user to change the time signature for the metronome. When this menu is selected the metronome starts playing at the current tempo setting. Pressing G#2 toggles through the time signature options starting with the current setting. Default is 4/4 and the following options are available to toggle through: 2/4, 3 /4, 4/4, 5/4, 6/8, 3/8,9/8, 12/8.



Press the [METRONOME] and the [TEMPO] buttons again to exit the Function Mode.

Tempo

The tempo of the metronome may range from 20 to 280 beats per minute (BPM).



To change the tempo, press and hold the button for 3 seconds to change the setting. The LED will blink to the current tempo speed.

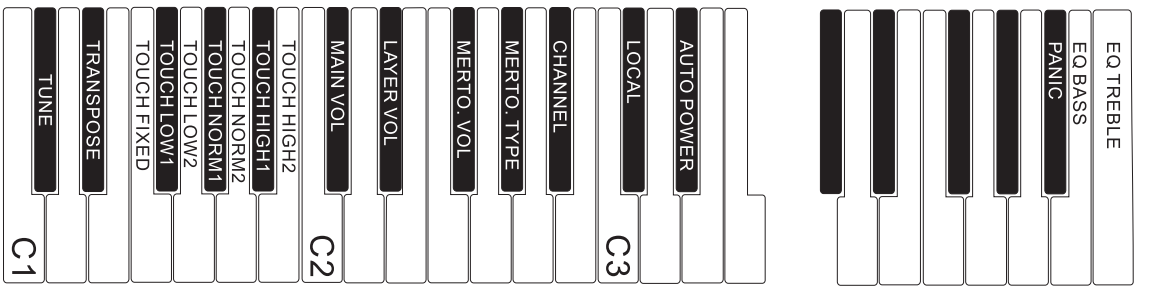
Press a key on the keyboard to select a desired tempo. The LED will blink to the new value. It is possible to make multiple changes and see the LED tempo change as the keys are pressed.

To exit, press the tempo button. The LED will stop blinking and not light. See Appendix for the Tempo value ranges.

Function Mode

In the Function Mode the keys on the keyboard are used for selecting the Function to be edited. To enter the Function Mode, press the [Metronome] and [Tempo] buttons at the same time.

Function Key Assignments



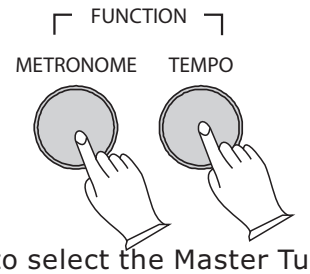
Please refer to pages 25 - 28 for information about the Function Assignment values.

Master Tune

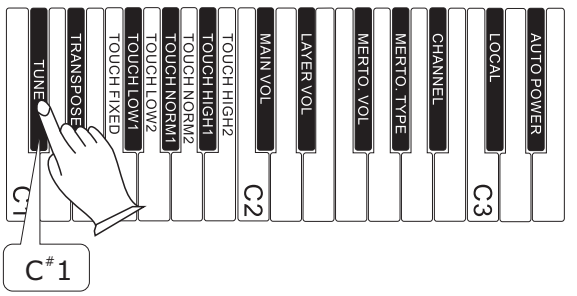
The piano is tuned to A440 when the power is turned on and does not require tuning. However, if desired, the tuning may be adjusted in small increments from -64 to +63 cents (one semitone).

To change the Master Tune:

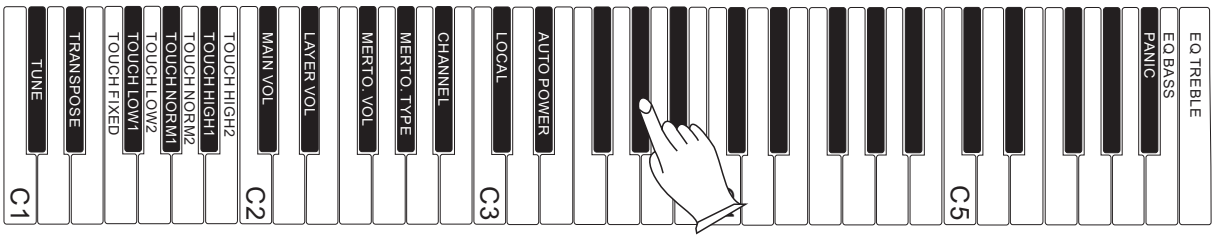
Press the [METRONOME] and [TEMPO] button together to enter the Function Mode.



Press the Tunning key C#1 to select the Master Tune Function. The keyboard will now play middle C piano 1 voice (C3) on every note across the keyboard. Playing C3=C3. Pressing any key downwards to C3 will play C3 but change the tune setting proportionately to tune down by a whole semitone.



Pressing any key from C3 and up will play the C3 note but at Pitch settings proportionately so that its possible to tune up by a whole semitone. The user can determine the correct tuning setting. LED display will be the selected values. See the Appendix for the value ranges.



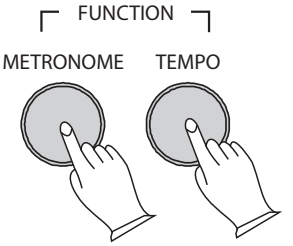
Press the [METRONOME] and the [TEMPO] buttons again to exit Edit Mode.

Touch

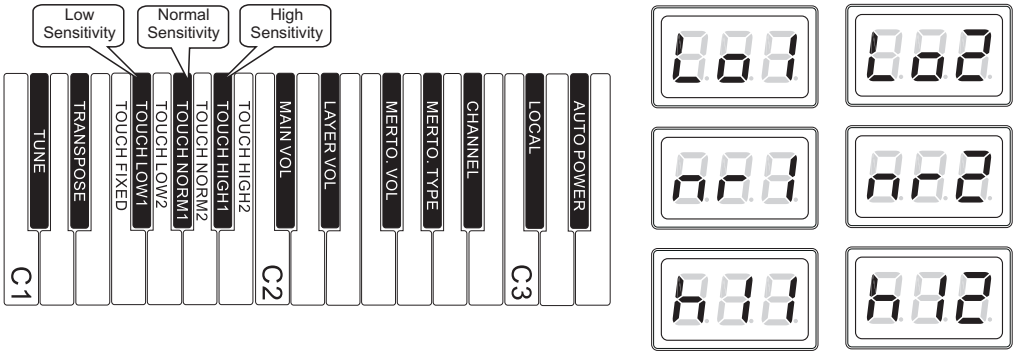
The Touch Select function allows the User the choice of 7 keyboard sensitivity settings for different playing styles: Low Sensitivity(1-2), Normal Sensitivity(1-2) and High Sensitivity(1-2). This affects the volume of the piano as you play the keys.

To Set the Keyboard Sensitivity

Press the [METRONOME] and the [TEMPO] buttons together to enter the Edit mode.



Press the desired Touch Select key ($F^{\#}1$,G1, $G^{\#}1$,A1, $A^{\#}1$,B1) to select between Low, Normal and High velocity curves. The LED display will show the Functions selected value.



Setting Fixed Touch Value

Press the Touch Fixed key, the LED will display: OFF. This means that regardless of how hard you play, the keyboard it will change the volume of the key played.

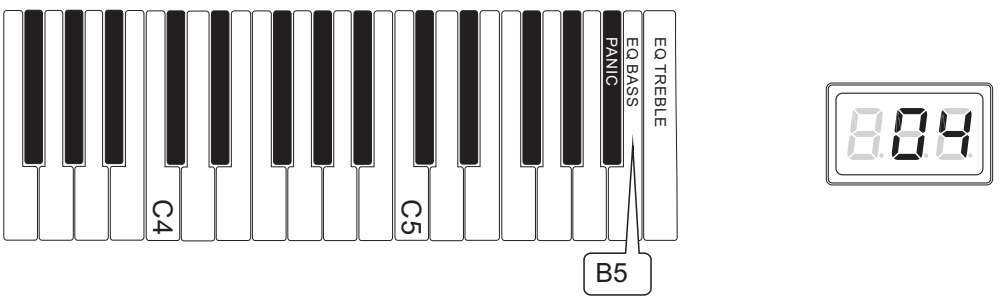
EQ Adjustment

To change the sound of your piano's amplifier you can adjust the EQ to add more Bass or to add or remove some of the Treble.

To Change the Bass Response

1. Press the [METRONOME] and [TEMPO] Buttons together to enter the Function mode.

2. Press the B5 piano key to activate the Bass EQ Function.



3.The Bass EQ can be changed by pressing white piano keys only from the A1 piano key to D5 piano key. The LED display will show the Function value.

Pressing the F3 Piano Key sets the Bass EQ to its center point EQ Setting.
Pressing the A1 Piano Key will reduce the Bass response by -12dB.
Pressing the D5 Piano Key therefore increases the Bass response by 12 dB.

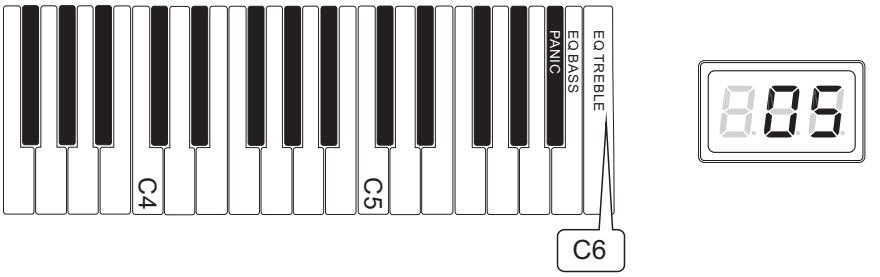
For the Keyboard Chart of the piano key numbers to change the EQ settings and listings please pages 25 and 26 of the Advanced Keyboard Functions.

4. Press the [METRONOME] and [TEMPO] Buttons together again to exit the Function Mode. Then play the lower half of the piano to hear the bass response increase for the changes that you have made in the Bass EQ settings.

To change the Treble Response

1. Press the [METRONOME] and [TEMPO] Buttons together to enter the Function Mode.

2. Press the C6 piano key to activate the Treble EQ Function.



3. The Treble EQ can be changed by pressing white piano keys only from the A1 piano key to D5 piano key.

Pressing the F3 Piano Key sets the Treble EQ to its center point EQ Setting.
Pressing the A1 Piano Key will reduce the Treble response by -12dB.
Pressing the D5 Piano Key therefore increases the Treble response by 12 dB.

For the Keyboard Chart of the piano key numbers and listings please pages 25 and 26 of the Advanced Keyboard Function pages of this manual.

4. Press the [METRONOME] and [TEMPO] Buttons together again to exit the Function mode.

Then play the keyboard in the upper half of the piano keys to test the changes that you made in the TREBLE EQ Setting.

NOTE

Bass and Treble EQ settings will be stored in the pianos memory and the latest setting will be used when the piano is powered up again.

To set the piano to its Default Settings press and hold the [METRONOME] and [TEMPO] buttons while turning the piano's power switch on. This will Reset the piano to its factor default settings.

MIDI Functions

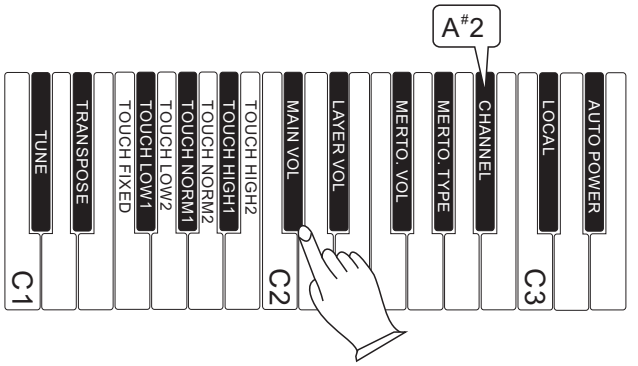
MIDI Channels

MIDI Out channel values range from 1 to 16. To change the MIDI Out Channel Value: While in the Function Mode press the A#2 Key the amount of times that correspond to the MIDI Out Channel that you desire. key

The LED display will show the MIDI channel value. The default MIDI Out

channel is 1.

If you press The A#2piano key 9 times in a row while still in the Function Mode you will be setting the new MIDI Out channel to 9.

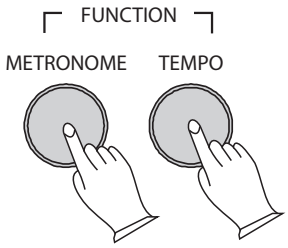


Local On/Off

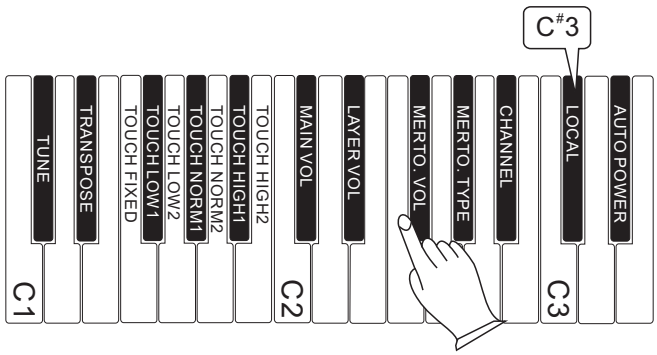
Turning the Local On/Off function to Off will disconnect the keyboard from the internal sound engine of this piano. This means you will no longer be able to hear sound from the speakers in this Mode. But you can use the piano then as a MIDI controller to control other MIDI devices (or virtual instrument software running on

your computer) without playing the internal sounds of this piano. You may also find other occasions (such as when you are using MIDI sequencing software on your computer) where it is useful to turn the Local Off.

Press the [METRONOME] and the [TEMPO] Buttons together to enter the Function mode.



Press the Local On/Off key (C#3) to switch local on or off. LED display will show the current Function value.



Press the [METRONOME] and the [TEMPO] Buttons again to exit the Function mode.

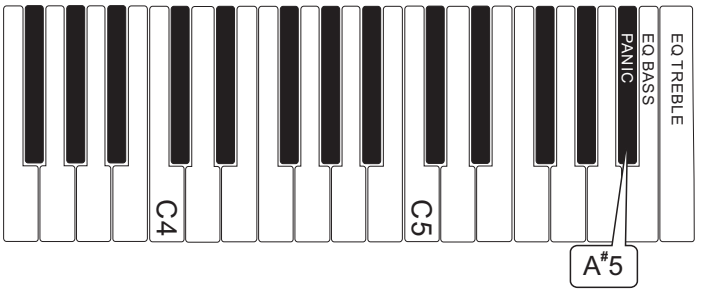
MIDI Panic Key

Pressing the Panic key will send out a “Reset All Control Off” MIDI Message on ALL MIDI Channels 1 - 16. This can be especially useful for clearing “stuck notes” when controlling external MIDI devices or software.

To use the Panic key to send out a “Reset All Controllers” and “All Notes Off” MIDI Message on ALL MIDI Channels 1 - 16:

Press the [METRONOME] and [TEMPO] button together to enter Edit Mode.

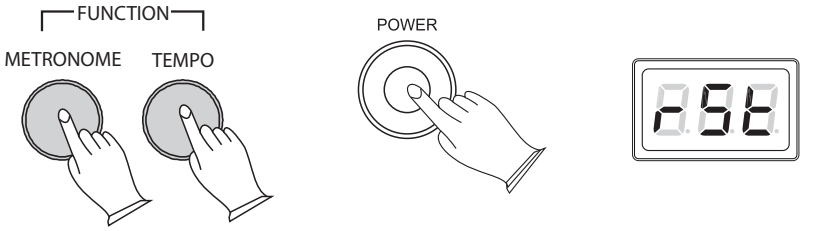
Press the Panic Key (A#5) allows the user to activate the automatic stop or Panic Mode, that will send out the general MIDI reset messages such as all note off, etc. Once Panic reset has been completed, the Piano will automatically exit the Function mode.



Factory Reset

Performing a Factory Reset will clear all memory and restore all functions to their factory default settings, just like they were when you used this piano for the first time.

1. Turn the Power Off.
2. Hold down the [METRONOME] and the [TEMPO] buttons while powering on the piano.



LED will display rSt.

When the [METRONOME] and the [TEMPO] buttons are released, the piano will return to its ready-to-play state. All buttons and Functions will return to their default states.

The piano will then function normally and as if powered on for the first time.

Appendix

MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1-16 1-16	1-16 1-16	*Up to 3 channels simultaneously
Mode	Default Messages Altered	Mode 3 Yes ********	Mode 3 No No	
Note Number	True voice	0~127 ********	0~127	
Velocity Note	Note ON Note OFF	Yes Yes	Yes Yes	
After Touch	Key's Channels	No No	No No	
Pitch Bend		No	No	
Control Change		0-127	0,1,5,6,7,10,11, 32,64,65,66,67, 80,81,91,93,100, 101,121	
Program Change	True #	0-127 ********	0-7	8
System Exclusive		Yes*	Yes*	*The controller will recognize and respond to GM Device inquiries. Master Tune supported. Master Volume supported.
System Common	Song Position Pointer Song Select Tune Request	No No No	No No No	
System Real Time	Clock Commands	No No	No No	
Aux Messages	All Sounds Off* Reset All Controllers Local ON/OFF* ALL Notes OFF Active Sensing System Reset	Yes Yes Yes Yes No No	Yes Yes Yes Yes Yes Yes	* The controller will respond to GM, but not piano voices.
Notes				

MIDI Channel Modes		
	POLY OFF	MONO ON
OMNI ON	Mode1	Mode3
OMNI OFF	Mode2	Mode4

Parameter adjusting instructions

According to chart shown below,choose corresponding key to set the desired values.

	Tune	Voice Vol	Layer Vol	Metro. Vol	Reverb Vol	Chorus Vol	Tempo	Treble EQ	Bass EQ	Transpose
C1	-64	0	0	0	0	0	20	×	×	×
C#1	-61	3	3	3	3	3	24	×	×	×
D1	-57	7	7	7	7	7	28	×	×	×
D#1	-54	10	10	10	10	10	32	×	×	×
E1	-51	13	13	13	13	13	36	×	×	×
F1	-47	17	17	17	17	17	40	×	×	×
F#1	-44	20	20	20	20	20	44	×	×	×
G1	-40	24	24	24	24	24	48	×	×	×
G#1	-36	28	28	28	28	28	52	×	×	×
A1	-34	30	30	30	30	30	56	-12	-12	×
A#1	-31	33	33	33	33	33	60	×	×	×
B1	-27	37	37	37	37	37	62	-11	-11	×
C2	-24	40	40	40	40	40	64	-10	-10	-12
C#2	-21	43	43	43	43	43	66	×	×	-11
D2	-17	47	47	47	47	47	68	-9	-9	-10
D#2	-14	50	50	50	50	50	70	×	×	-9
E2	-10	54	54	54	54	54	72	-8	-8	-8
F2	-09	55	55	55	55	55	74	-7	-7	-7
F#2	-08	56	56	56	56	56	76	×	×	-6
G2	-06	58	58	58	58	58	80	-6	-6	-5
G#2	-05	59	59	59	59	59	82	×	×	-4
A2	-04	60	60	60	60	60	84	-5	-5	-3
A#2	-03	61	61	61	61	61	86	×	×	-2
B2	-01	63	63	63	63	63	88	-4	-4	-1

	Tuning	Voice Vol	Layer Vol	Metro. Vol	Reverb Vol	Chorus Vol	Tempo	Treble EQ	Bass EQ	Transpose
C3	0	64	64	64	64	64	90	-3	-3	0
C#3	1	65	65	65	65	65	92	×	×	1
D3	3	67	67	67	67	67	94	-2	-2	2
D#3	4	68	68	68	68	68	96	×	×	3
E3	5	69	69	69	69	69	98	-1	-1	4
F3	6	70	70	70	70	70	100	0	0	5
F#3	8	72	72	72	72	72	102	×	×	6
G3	9	73	73	73	73	73	104	1	1	7
G#3	10	74	74	74	74	74	106	×	×	8
A3	12	76	76	76	76	76	108	2	2	9
A#3	13	77	77	77	77	77	110	×	×	10
B3	14	78	78	78	78	78	112	3	3	11
C4	15	79	79	79	79	79	114	4	4	12
C#4	17	81	81	81	81	81	116	×	×	×
D4	18	82	82	82	82	82	118	5	5	×
D#4	19	83	83	83	83	83	120	×	×	×
E4	20	84	84	84	84	84	128	6	6	×
F4	22	86	86	86	86	86	130	7	7	×
F#4	23	87	87	87	87	87	132	×	×	×
G4	24	88	88	88	88	88	134	8	8	×
G#4	26	90	90	90	90	90	136	×	×	×
A4	27	91	91	91	91	91	138	9	9	×
A#4	28	92	92	92	92	92	140	×	×	×
B4	29	93	93	93	93	93	150	10	10	×
C5	31	95	95	95	95	95	160	11	11	×
C#5	32	96	96	96	96	96	170	×	×	×
D5	34	98	98	98	98	98	180	12	12	×
D#5	36	100	100	100	100	100	190	×	×	×

	Tuning	Voice Vol	Layer Vol	Metro. Vol	Reverb Vol	Chorus Vol	Tempo	Treble EQ	Bass EQ	Transpose
E5	39	103	103	103	103	103	200	×	×	×
F5	41	105	105	105	105	105	210	×	×	×
F#5	44	108	108	108	108	108	220	×	×	×
G5	46	110	110	110	110	110	230	×	×	×
G#5	49	113	113	113	113	113	240	×	×	×
A5	53	117	117	117	117	117	250	×	×	×
A#5	56	120	120	120	120	120	260	×	×	×
B5	60	124	124	124	124	124	270	×	×	×
C6	63	127	127	127	127	127	280	×	×	×

Note:

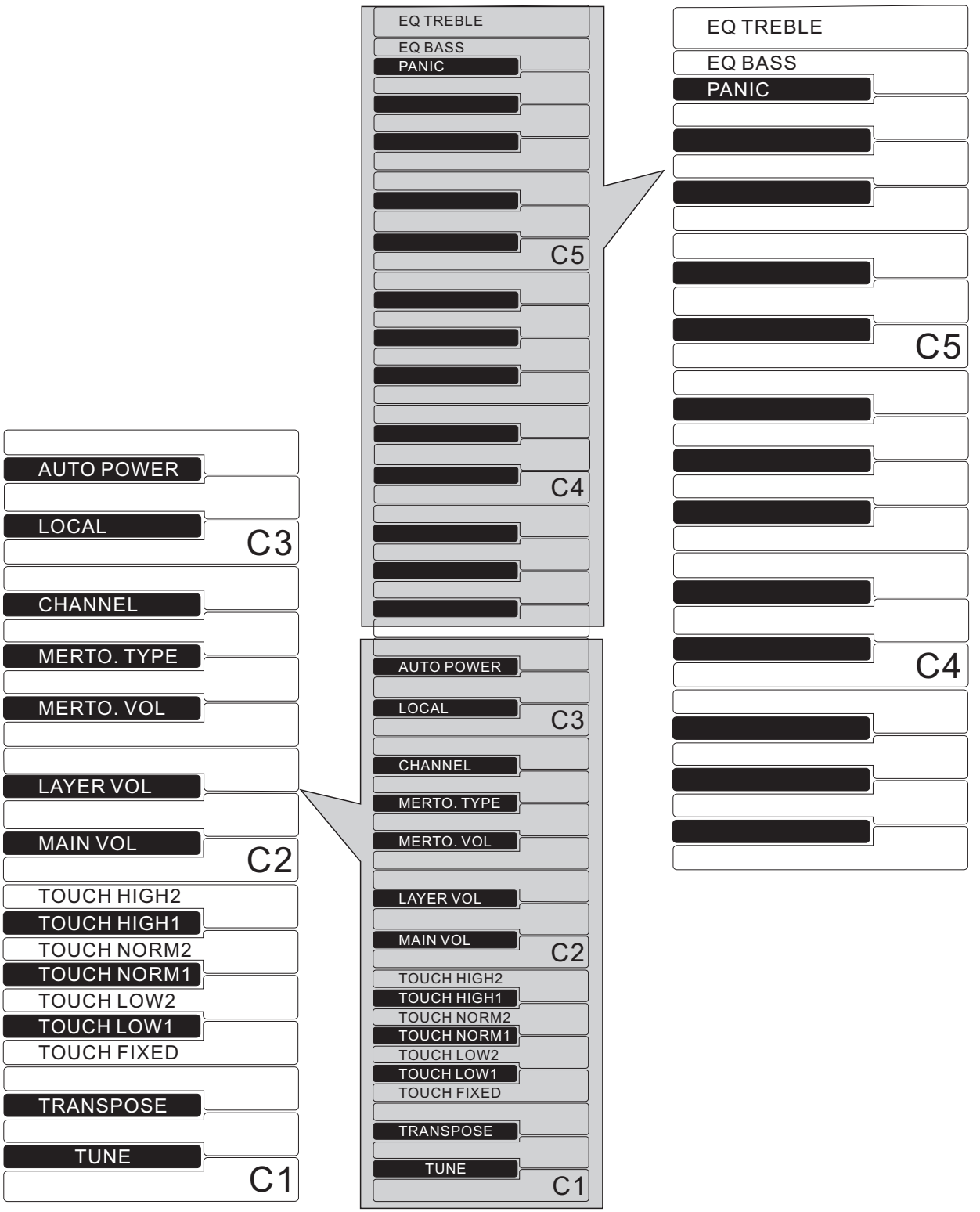
X= No value available for this particular Function on this key.

Resetting Value:

	Tune	Transpose	Voice Vol	Layer Vol	Metro. Vol	Channel	Local	Metronome	Tempo
Factory Default	0	0	127	100	100	1	ON	4/4	120

	Reverb Vol	Chorus Vol	Treble EQ	Bass EQ	Auto Power Off
Factory Default	33	40	00	04	OFF

Advanced Function Keyboard Chart



Specifications

Keyboard:	61 weighted velocity-sensitive keys
Display:	Multi - Function LED Display
Voice:	8
Polyphony:	32
Voice Control:	Layer, Transpose,Sustain,Volume, Tune
Metronome:	On/off, Level, Time signature
Pedal Response:	Sustain
Effect:	Reverb, Chorus, Bass EQ, Treble EQ
Demo Songs:	8
MIDI & Audio:	Channels 1-16, Local On/Off; USB MIDI
Connectors:	USB To Host, Pedal, Line Out L/R, Phones, DC Power
Speakers:	YDT713 10W/4ohm x 2
Dimensions(W x D x H):	40.5x 10.2X3 inches,1030mm x 260mm x 75 mm
Weight:	14.0 lbs or 6.32Kg
Supplied Accessories:	Owner's Manual, Music Rest, power supply

1050-V1.0

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