

Mark-Pro ONE*i*

Digital Piano Owner's Manual

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IMPORTANT SAFETY INSTRUCTIONS

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 of the 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 are 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 a 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.
13. Unplug this apparatus during lightning storms or when unused for 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 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.
15. Allow adequate ventilation for the power adapter. Do not hide it under a carpet or behind a curtain or place it in an enclosed space where heat buildup can occur.

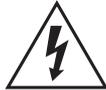
WARNING : To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.

To completely disconnect this equipment from the AC Mains, disconnect the power supply cord plug from the AC receptacle.

To reduce the danger of explosion if the lithium battery is incorrectly replaced, replace only with the same or equivalent type.

KURZWEIL

Music Systems



The lightning flash with the 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 to persons.



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 & INSTALLATION INSTRUCTIONS

INSTRUCTIONS PERTAINING TO THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

WARNING : When using electric products, basic precautions should always be followed, including the following:

1. Read all of the Safety and Installation Instructions and Explanation of Graphic Symbols before using the product.
2. Do not use this product near water-for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product should only be used with a stand or cart that is recommended by the manufacturer.
4. This product, either alone or in combination with an amplifier and speakers or headphones, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. This product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
8. This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.
9. The power supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When unplugging the power supply cord, do not pull on the cord, but grasp it by the plug.
10. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
11. The product should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged;
 - B. Objects have fallen, or liquid has been spilled into the product;
 - C. The product has been exposed to rain;
 - D. The product does not appear to be operating normally or exhibits a marked change in performance;
 - E. The product has been dropped, or the enclosure damaged.
12. Do not attempt to service the product beyond that described in the user maintenance instructions. All other servicing should be referred to qualified service personnel.
13. **WARNING :** Do not place objects on the product's power supply cord, or place the product in a position where anyone could trip over, walk on, or roll anything over cords of any type. Do not allow the product to rest on or be installed over cords of any type. Improper installations of this type create the possibility of a fire hazard and/or personal injury.

RADIO AND TELEVISION INTERFERENCE

WARNING : Changes or modifications to this instrument not expressly approved by KURZWEIL could void your authority to operate the instrument.

IMPORTANT : When connecting this product to accessories and/or other equipment use only high quality shielded cables.

NOTE : This instrument 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 instrument 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 instrument does cause harmful interference to radio or television reception, which can be determined by turning the instrument 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 instrument and the receiver.
- Connect the instrument into an outlet on a circuit other than the one to which the receiver is connected.
- If necessary consult your dealer or an experienced radio/television technician for additional suggestions.

NOTICE

This apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

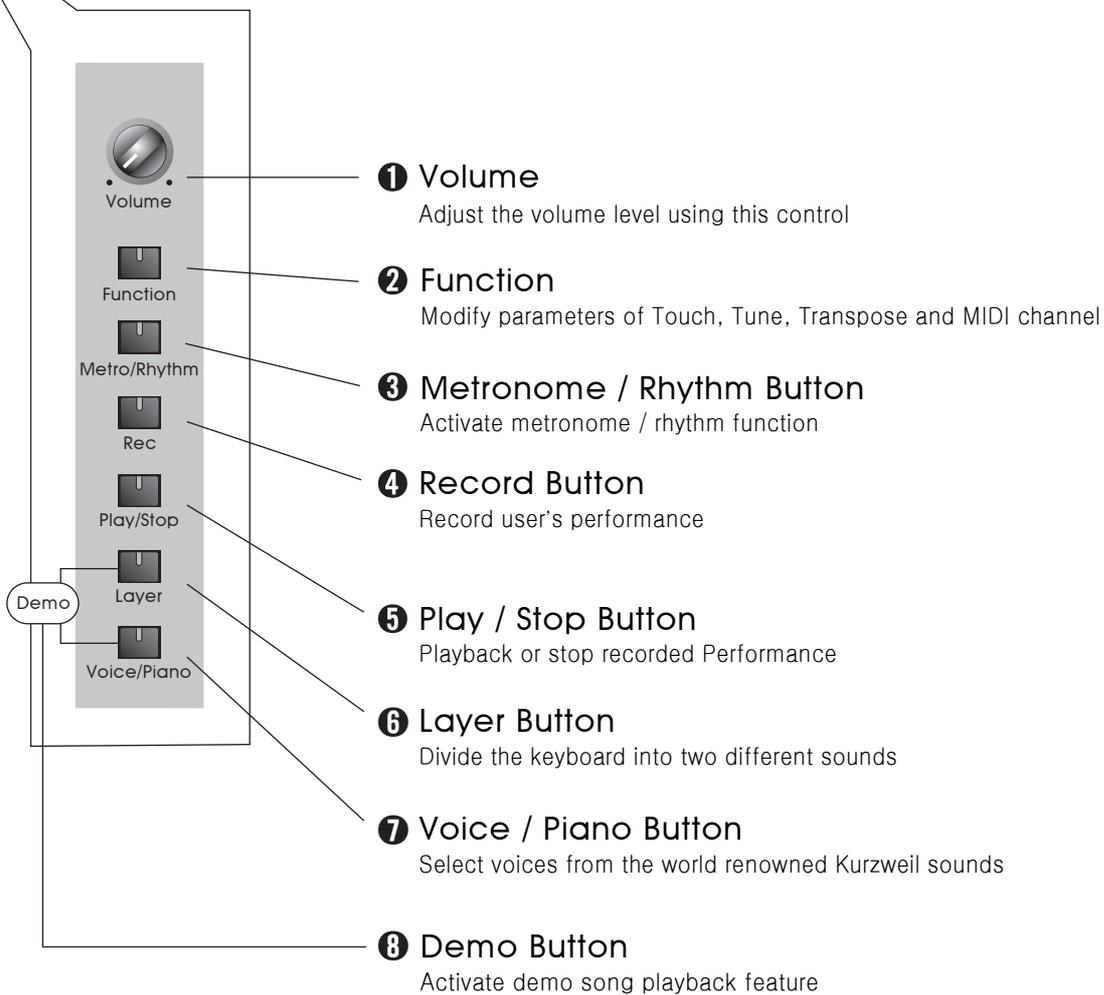
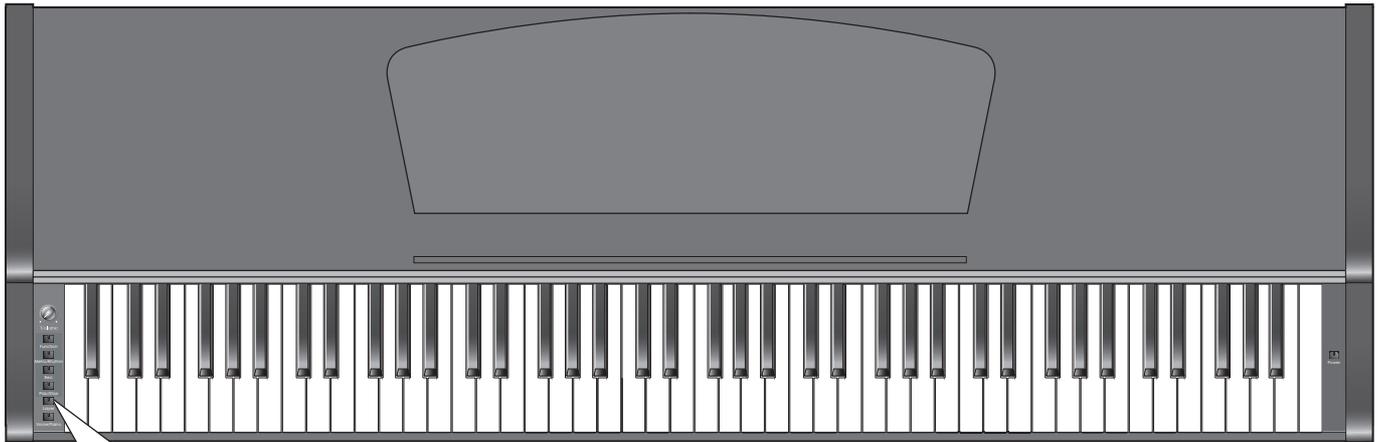
AVIS

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

SAVE THESE INSTRUCTIONS



The Panel of the MARK PRO ONE i





Introduction



Welcome to the world of the KURZWEIL MARK PRO ONE i Digital Piano.

The MARK PRO ONE i gives you easy access to KURZWEIL's high-quality sound technology. Authentic digital representations of musical instrument sounds are the starting points.

The MARK PRO ONE i reproduces the finest details of the original sounds; you'll even hear differences in tone as you play from bass to treble and from soft and loud, just as in the original instruments.

The Feature of the MARK PRO ONE i

- 88 Fully Weighted Hammer Action Keys
- 3 Pedals
- 7 Different levels of keyboard sensitivity
- 32 Preset voices
- Transpose, Tune
- 10 Reverbs, 10 Variation effects
- Layer mode
- 50 Demo songs
- Line In/Out
- USB MIDI In/Out
- 2 Headphone jacks
- 30 Watt Stereo sound system
- 20 Rhythm patterns

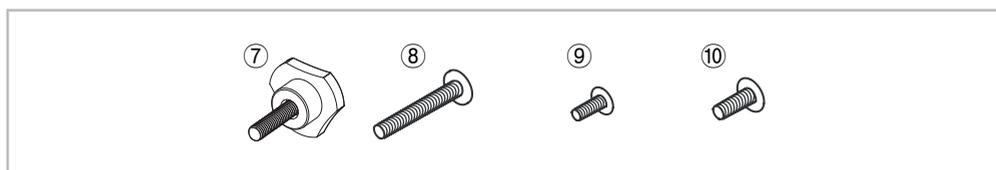
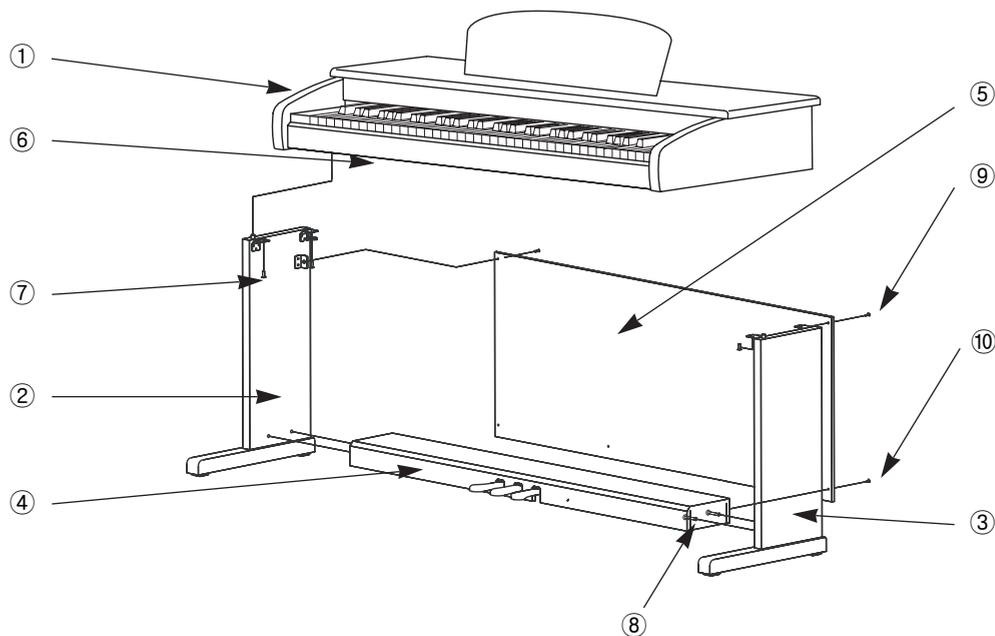


Setting up the Instrument



Check that all of the following items are present.

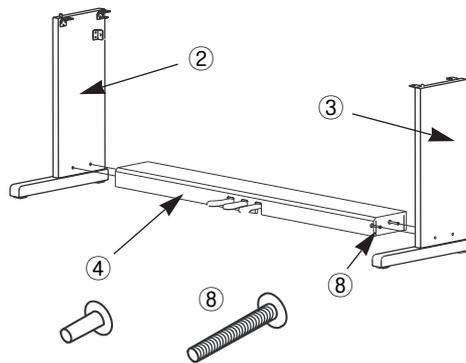
Item	No.	Item	No.
① Keyboard	1EA	⑦ Screws for Side Panel and Keyboard	4EA
② Side Panel (Left)	1EA	⑧ Screws for Side Panel and Pedal Box	4EA
③ Side Panel (Right)	1EA	⑨ Screws for Rear Panel	2EA
④ Pedal Box	1EA	⑩ Screws for Rear Panel and Pedal Box	4EA
⑤ Rear Panel	1EA		
⑥ Headphone Hanger	1EA		





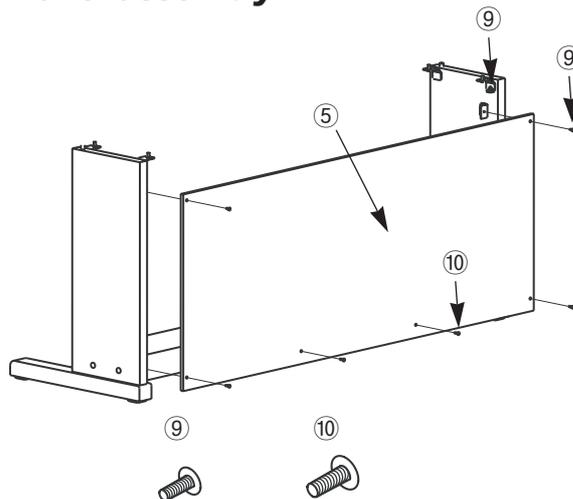
- We do not recommend attempting to assemble the MARK PRO ONE i alone. The job can be easily accomplished, however, with only two people.
- Use only the screws provided or replacement of exactly the specified size. Using screws of the wrong size can result in damage to the instrument and personal injury.

Side Panel and Pedal Box assembly



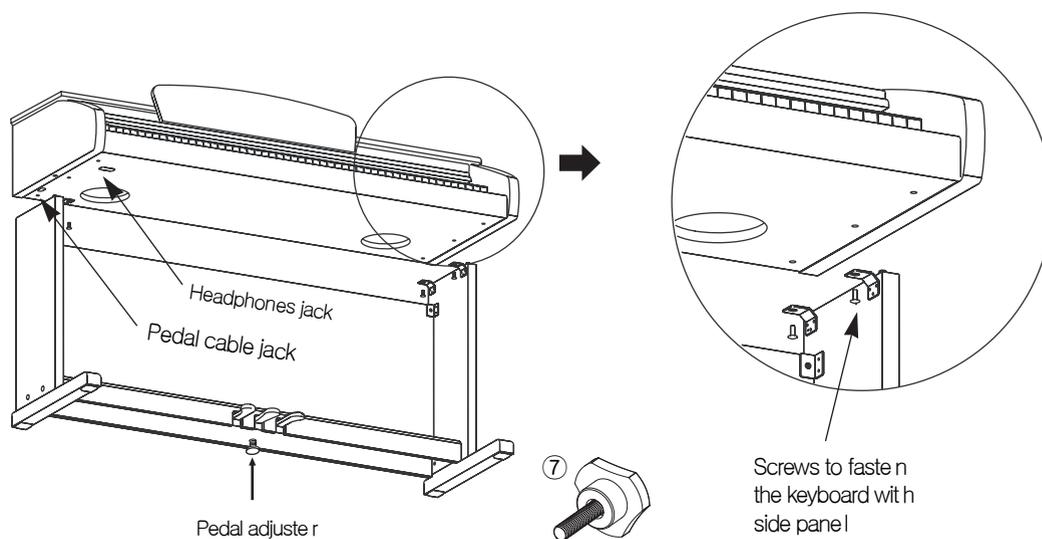
1. Place the pedal box ④ on the side panel ③ and then use ⑧ screws to fasten the side panel.
2. Place the Pedal Box ④ on the side panel ② and then use ⑧ screws to fasten the side panel.
3. You can find the pedal cable in the pedal box ④. Untie and straighten out the cable attached to the bottom of the pedal box.

Rear Panel assembly

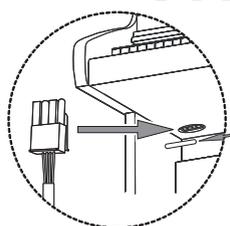


1. Fit into the holes ⑨ in the side panel brackets and then use the screws ⑨ to fasten the rear panel.
2. Use the screws ⑩ to fasten the bottom of the rear panel.

Attach the Keyboard

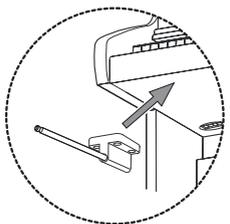


1. Place the keyboard on the stand so that the wood pegs on the bottom of the keyboard fit into the holes in the side panel brackets.
2. Fasten the keyboard to the side panel using screw number ⑦.
3. Insert the pedal cable connector into the pedal jack located on the bottom of the keyboard.



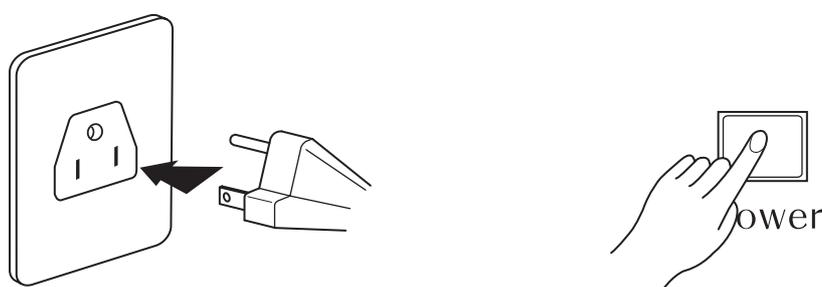
Be sure that the connector is inserted in the correct orientation.
Make sure that the cable clamp fastens to the pedal cable.

4. Rotate the pedal adjuster until it comes in firm contact with the floor surface. If the adjuster is not in firm contact with the floor, the pedal will wobble and cause malfunctions.
5. Install the headphone hanger as shown in the figure.



Turning on the Instrument (Power)

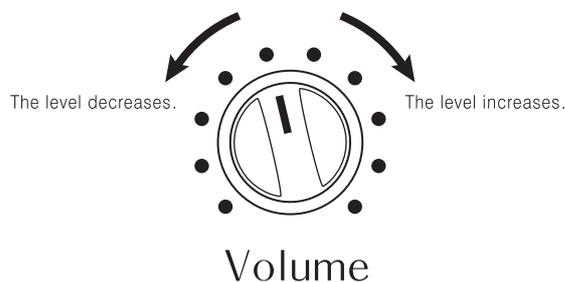
The MARK PRO ONE i operates on DC adapter power. A power cord is included with the DC adapter to connect it to an DC outlet. Before connecting the power cord, be sure that the power switch, located left side of the keyboard, is off. First plug the adapter's small, round plug in the matching jack in the back of the piano. Then plug the power cord into an DC outlet. Once the power cord is connected, you can turn the power switch on.



(The shape of plug differs depending on locale).

Setting the Volume

To be sure that you can hear the instrument, turn the Volume knob (on the upper side of the left panel) to the middle of its range. This should be a reasonably comfortable level of volume which you can adjust if you wish the sound to be louder or softer.





Voice / Piano Button

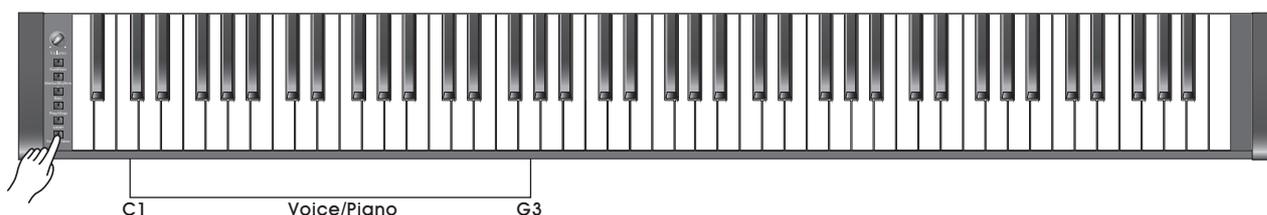
For the quickest button operation, please, refer to the Quick Operation Guide on page 29

1. Main Voice

To select one of the 32 primary voices, hold down the [Voice / Piano] button then press and release a keyboard key between C1 and G3. Then release the [Voice / Piano] button. If you want to select the primary acoustic piano sound at any point, simply press and release the [Voice / Piano] button once.

The voices are grouped according to the sound types. For instance, you can select one of the acoustic piano voices by pressing a keyboard key between C1 and G1. To select one of the electric piano voices, press a keyboard key between G#1 to B1. For the different types of voices, the different ranges of keys are arranged. The most digital pianos and synthesizers from Kurzweil work the same way for quick and convenient operation.

For your reference, below is a list of the available voices, their number, and their assigned keys.



The voices with the names consisting two voice names with “+” such as “Piano+Strings” are layered voices. Also, The voices with “/” in their names such as “Piano/Bass” are split voices.



No	Key	Voice	No	Key	Voice
1	C1	Grand Piano	17	E2	Film Score
2	C#1	Stereo Grand	18	F2	Fast Strings
3	D1	Classic Grand	19	F#2	Phantom Strings
4	D#1	Dynamic Grand	20	G2	Studio Strings
5	E1	Piano+Strings	21	G#2	Kupiter
6	F1	Piano+PAD	22	A2	Orch Pad
7	F#1	Piano / Bass	23	A#3	U Say Tomita
8	G1	Rock Piano	24	B2	Synth Strings
9	G#1	Digital E Piano	25	C3	Williams Brass
10	A1	FM Piano	26	C#3	Synth Brass 1
11	A#1	Ballad E Piano	27	D3	Solo Tenor Sax
12	B1	Soft E Piano	28	D#3	Brass Section
13	C2	Church Organ 1	29	E3	Celesta
14	C#2	Pipe Organ	30	F3	Marimba
15	D2	Pipes 16', 8', Reed	31	F#3	Studio Drums
16	D#2	B3 Orgran	32	G3	Virtuoso Percussion

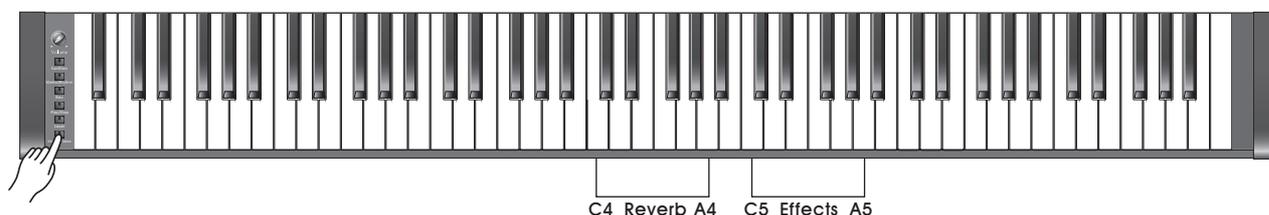
2. Reverb and Variation Effects

1) Reverb

The MARK PRO ONE i has 10 kinds of reverbs. Reverbs add depth and dimension to the sounds. With the provided reverb presets, you can heighten the sonic realism of your performance. Please, experiment and enjoy.

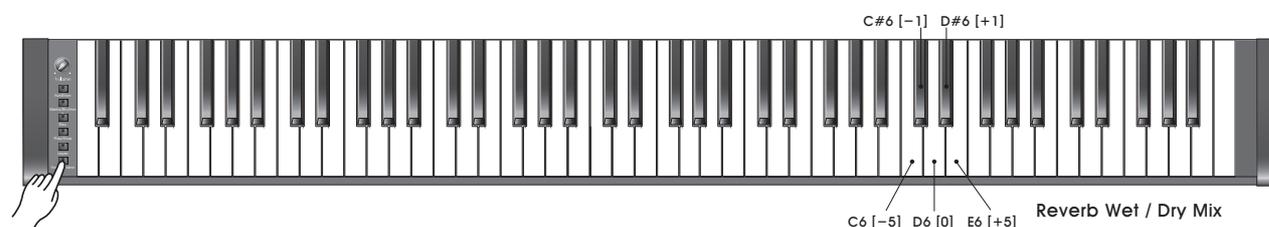
To select one of the reverb presets, press one of the C4 ~ A4 keys while holding down the [Voice / Piano] button.

Reverb	1	2	3	4	5	6	7	8	9	10
	Booth 1	Booth 2	Room1	Room2	Room3	Chamber 1	Chamber 2	Hall 1	Hall 2	Hall 3



2) Reverb Wet / Dry Mix

Adjust the wet/dry amount for the selected reverb type by pressing one of the C4 ~ A#4 keys while holding down the [Voice / Piano] button. The wet/dry mix range is from 0 to 100%. Pressing the C#6 key increases the wet/dry mix by 1% and the D#6 key decreases the wet/dry mix by 1%. The two adjacent keys, the C6 and D6 adjust the wet/dry mix by +,-5%. Use the C#6 and D#6 keys for more precise control.

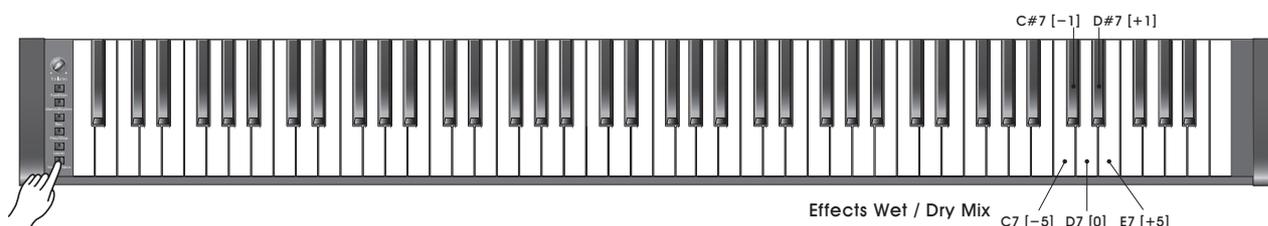


3) Variation Effects

The MARK PRO ONE i has 10 kinds of variation effects. To select one, press one of the C5 ~ A5 keys while holding down the [Voice/Piano] button. The variation effects are used to add “Color” to the sounds.

You can adjust the wet/dry mix range of the selected variation effect by pressing one of the C7 ~ E7 keys while holding down the [Voice / Piano] button. The D7 key sets the wet/dry mix to 0, which means the selected effect won’t change the current sound at all. Pressing the C#7 key increases the wet/dry mix by 1% and the D#7 key decreases the wet/dry mix by 1%. The two adjacent keys, the C6 and D6 adjust the wet/dry mix by +,-5%. Use the C#7 and D#7 keys for more precise control.

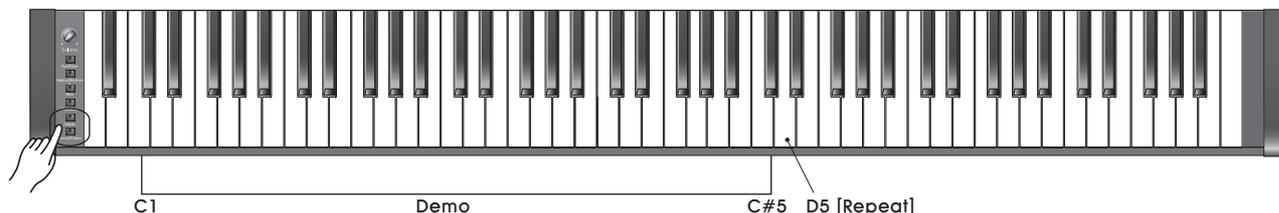
Effect	1	2	3	4	5	6	7	8	9	10
	Chorus 1	Chorus 2	Flange1	Flange2	Delay 1	Delay 2	Delay 3	Distortion 1	Distortion 2	Compressor



3. Demo Song

While holding down the [Voice / Piano] button, press one of the C1 ~ C#5 keys to select and play a demo song. The MARK PRO ONE i contains 50 demo songs. For the full list of the demo songs, refer to the list on the next page. If you want all demo songs to be played sequentially, press the D5 key will play all of the 50 demo songs.

To stop the demo song playback, press the [Layer] button or the [Voice / Piano] button. While playing the demo, the LEDs on the [Layer] button and [Voice / Piano] button are blinking.



4. The List of The Demo Songs

N O	Song Name	Composer
1	Prelude I BWV 846	J. S. Bach
2	Invention NO. 4	J. S. Bach
3	Invention NO. 8	J. S. Bach
4	Prelude II BWV 847	J. S. Bach
5	ARIA Goldenberg-Variationen BWV 988	J. S. Bach
6	Fuga II (A3 VOICI)	J. S. Bach
7	Sonatine Op. 36 No. 4	M. Clementi
8	Klavierstück K. 15v	W. A. Mozart
9	Piano Sonata K. 333 1st mov.	W. A. Mozart
10	Rondo in D-dur K. 485	W. A. Mozart
11	Piano Sonata K. 331 Rondo Turkish March	W. A. Mozart
12	Piano Sonata K. 545 1st mov.	W. A. Mozart
13	Minuett in G	L. V. Beethoven
14	Bagatelle No. 25 Für Elise	L. V. Beethoven
15	Sonatine Op. 55 No. 1	Fr. Kuhlau
16	March Militaire Op. 51 No. 1	F. P. Schubert
17	Moments Musicaux 3.	F. P. Schubert
18	Kinderszenen	R. Schumann
19	Impromptu Op. 90 No. 4	F. P. Schubert
20	La chevaleresque	J. F. Burgmüller
21	Without word song Op. 38 No. 2	J. L. F. Mendelssohn
22	Venetianisches Gondellied	J. L. F. Mendelssohn
23	Sostenuto	F. F. Chopin
24	Valse KK IVb-11	F. F. Chopin
25	5 Mazurkas I Op. 7 No. 1	F. F. Chopin
26	Valse Op. 69. NO. 2	F. F. Chopin
27	Grande Valse Brillante Op. 18	F. F. Chopin
28	Valse Op. 64 No. 2	F. F. Chopin
29	Nocturn Op. 9 No. 2	F. F. Chopin
30	Valse Op. 64 No. 1	F. F. Chopin
31	Preludes in D ^b Major Op. 28 No. 15	F. F. Chopin
32	Fantaisie-Impromptu Op. 68	F. F. Chopin
33	Träumerei	R. Schumann
34	Fröhlicher Landmann Op. 68-10	R. Schumann
35	Von fremden Ländern und Menschen Op. 15	R. Schumann
36	Liebesträume Nr. 3	F. Liszt
37	Dolly's Dreaming And Awakening	T. Oesten
38	Frühlingsstimmen Op. 410	J. Strauss
39	The Swan	Saint-Seans
40	Blumenlied	G. Lange
41	Valsette	F. Borowski
42	Old French Air	P. I Tchaikovsky
43	Mazurka	P. I Tchaikovsky
44	Polka	P. I Tchaikovsky
45	Barcarolle	P. I Tchaikovsky
46	Humoreska	A. Dvorak
47	Suit 'Peer Gynt' Op. 46-3 Anitras Tanz	E. Grieg
48	Suite Bergamasque Prelude	C. A. Debussy
49	Reverie	C. A. Debussy
50	Arabesque I	C. A. Debussy



Layer Button

1. Mixing Two Voices

Layering is an easy way to make fatter sounds by mixing an additional sound to the current one. With the layering function, your MARK PRO ONE i can sound like a huge ensemble as played by multiple performers.

To layer an additional sound to the current one, while holding down the [Layer] button, select sounds by pressing one of the C1 ~ G3 keys as you select the primary sounds. That's it. Your MARK PRO ONE i will generate the two selected sounds together when you play the keyboard. You can select any of 32 primary sounds for the layering sounds. If you press the [Layering] button only, the "Piano+String" sound will be selected.

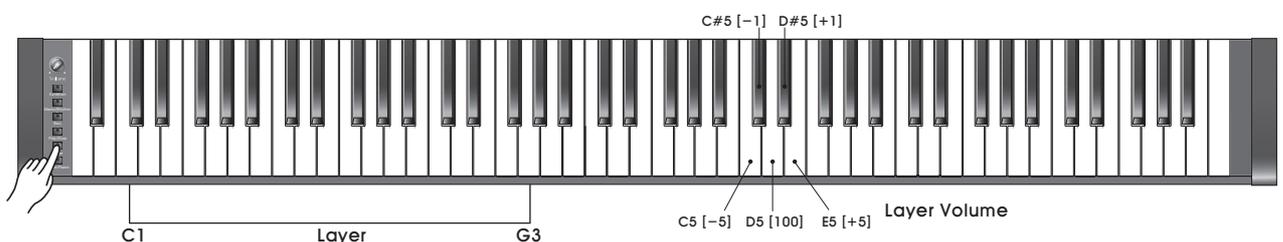
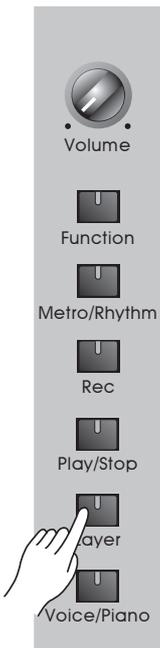
The layered sounds cannot be saved. Turning off the MARK PRO ONE i or selecting another sounds will erase the previous layering.

2. Layering Example

The most often used layering techniques are mixing two sounds (Piano with Strings or Pads) each with fast attack and slow attack for richer and punchier sounds, or layering a few similar sounding programs (Brasses, Strings, Analog Synths, etc.) to fatten the sounds. Also, mixing pitched and non-pitched instruments together can be very interesting. Most of all, experiment and enjoy! It is all about your taste.

You can adjust the volume balance between the primary voice and the layered voice. The MARK PRO ONE i has the volume range from 0 to 127. Adjust the volume level of the layered sound by pressing one of the C5 ~ E5 keys while holding down the [Layer] button. The D5 key sets the volume level to 100, which is the default. Pressing the C#5 key increases the volume level by 1 and the D#5 key decreases the volume level by 1. The two adjacent keys, the C5 and D5 adjust the wet/dry mix by +,-5%. Use the C#7 and D#7 keys for more precise control.

The default volume levels for the primary sound and the layered sound are 127 and 100.



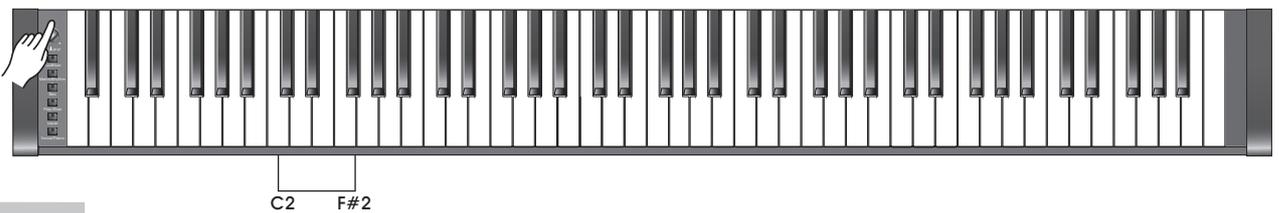


Function Button

1. Touch

You can adjust how sensitively the keyboard responds to your playing - how the dynamics of the sounds respond to key velocity. By default, a value of Linear is the standard, unaltered level of keyboard sensitivity. Values of Light1 - Light3 are for players who prefer a light touch. You can play more lightly and still get the same attack-velocity values with these settings. The sensitivity level increases as the numeric number suggests. Values of Hard1 - Hard3 are for players who have a heavier touch. You should play harder to get the same attack-velocity values. Also, the numeric number suggests the sensitivity level. Linear is less sensitive than Light1 and more sensitive than Hard1. The MARK PRO ONE i has 7 levels of the touch sensitivity. Select the appropriate level for you by pressing one of the C2 ~ F#2 keys while holding down the [Function] button.

C2	C#2	D2	D#2	E2	F2	F#2
Touch.1	Touch.2	Touch.3	Touch.4	Touch.5	Touch.6	Touch.7
Linear	Light 1	Light 2	Light 3	Hard 1	Hard 2	Hard 3

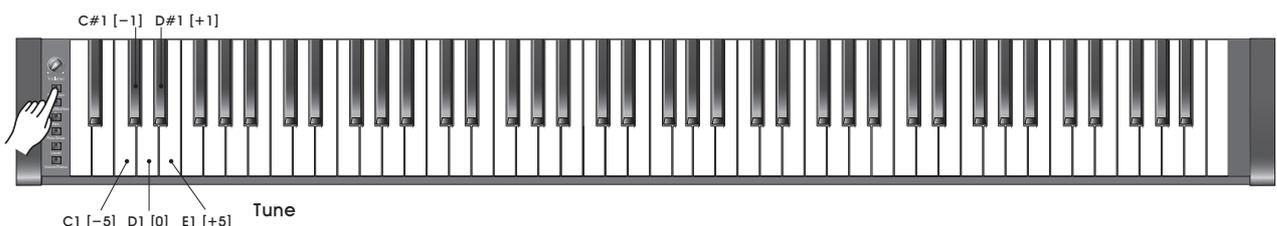
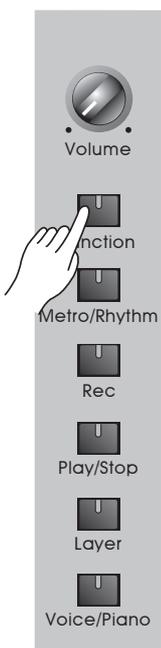


2. Tune

You can finely tune the pitch of the MARK PRO ONE i up or down. This function is useful when you play the RE-110 along with other instrument that can't be easily retuned.

While holding down the [Function] button, press the C#1 or D#1 key to adjust the pitch by steps of 1 cent. The C1 or E1 key adjust the pitch in steps of 5 cents. The tuning range is 64 cents flat to 64 cents sharp. Because the MARK PRO ONE i does not display the tuned pitch numerically, you should memorize the setting when you use this function.

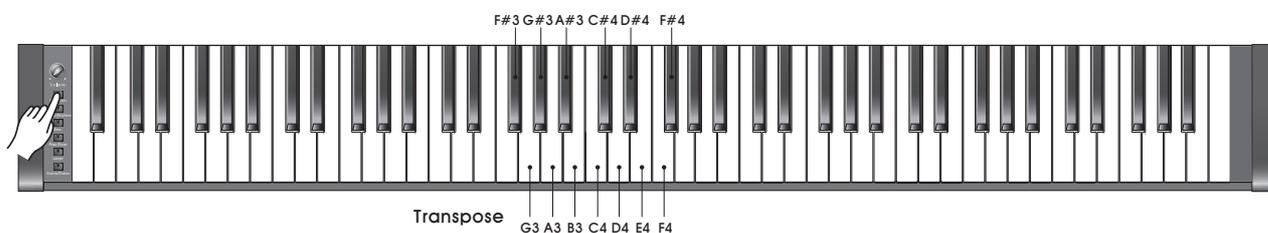
Key	Tune
C1	-5
C#1	-1
D1	0
D#1	+1
E1	+5



3. Transpose

Transpose allows you to play the keyboard in one key and have the notes sound in another key. This is useful when accompanying singing, if the key of the written music is too high or too low for the singer, or when playing music written for a transposing instrument, such as a clarinet. The transpose function makes it possible to shift the pitch of the entire keyboard up or down in semitone intervals up to six semitones.

While holding down the **Function** button, press one of the F#3 ~ F#4 keys to set the desired amount of transposition.



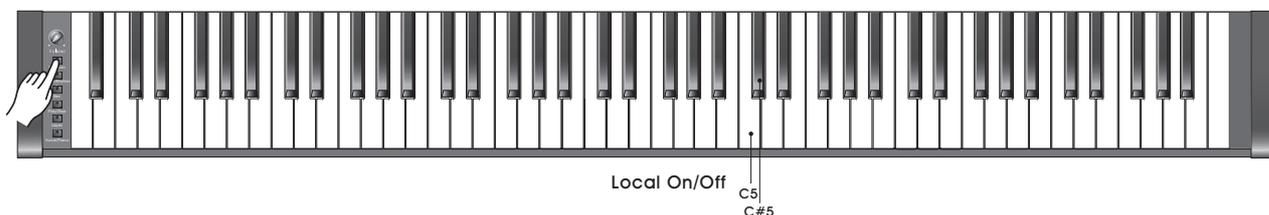
Key	Transpose Value	Key	Transpose Value
F#3	-6	C#4	+1
G3	-5	D4	+2
G#3	-4	D#4	+3
A3	-3	E4	+4
A#3	-2	F4	+5
B3	-1	F#4	+6
C4	0 (Default)		

4. Local Control

Local Control is the connection between the keyboard of the MARK PRO ONE i and the internal sound producing circuitry of the instrument. Normally, Local Control is ON; in fact, every time you power-up the MARK PRO ONE i, it automatically sets to Local Control ON, so you can play the keyboard and hear the sounds of the instrument. But, there are reasons for setting Local Control to OFF especially when MIDI Out of the MARK PRO ONE i is connected to feed back to the instrument's MIDI In port. One example of this is when using an external sequencer whose MIDI In port is connected to MIDI Out of the MARK PRO ONE i and whose MIDI Out port is connected to MIDI In of the MARK PRO ONE i. In such a case, you can eliminate the doubling of notes by setting Local Control to OFF.

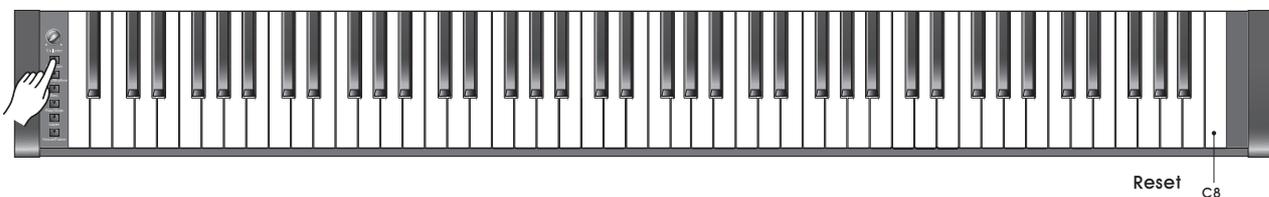
While holding down the Function button, press the key C5 or C#5 to set Local Control. See Page 22 for more about your MARK PRO ONE i's MIDI features

Key	Local Control
C5	ON(Default)
C#5	OFF



5. Reset

Since the MARK PRO ONE i does not have a display, it is hard to know the current settings. If you get confused or want to restore the default settings, just hold down the Function button then press and release the C8 key. After doing this, all of the settings will be reset to their defaults.





Metro/Rhythm Button

1. Activating Metronome

To activate the internal metronome, press one of the C2 ~ D#2 keys while holding down the [Metro / Rhythm]. The MARK PRO ONE i supports 4 types of time signature including 2/4, 3/4, 4/4 and 6/8. Pressing the [Metro / Rhythm] again will stop the metronome.

C2	C#2	D2	D#2
2/4	3/4	4/4	6/8

2. Adjusting the Tempo

You can change the tempo of the metronome by pressing one of the C1 ~ E1 keys while holding down the [Metro / Rhythm] button. The default tempo is 120 which is assigned to the D1 key. Use the C#1 or D#1 key to adjust the tempo in steps of 1. The C1 or E1 key adjust the tempo in steps of 5. Use the C1 and E1 keys for more precise control.

3. Adjusting the Volume Level of the Metronome

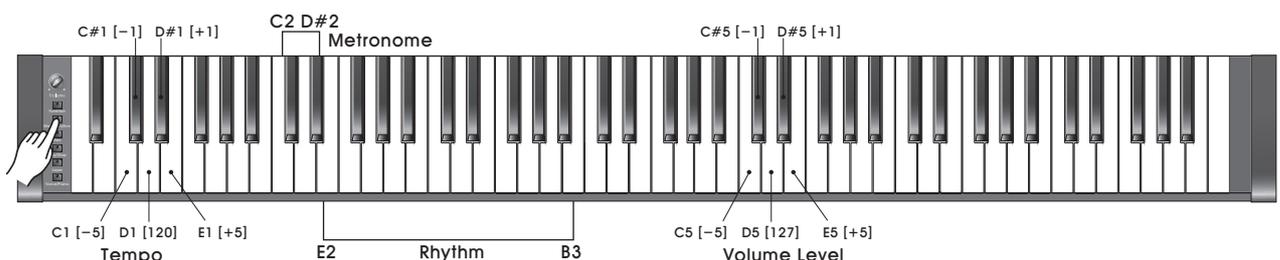
You can adjust the volume level of the metronome by pressing one of the C5 ~ E5 keys while holding down the [Metro / Rhythm] button. The default setting is the maximum level 127, which is assigned to the D5 key. Use the C#5 or D#5 key to adjust the volume level in steps of 1. The C5 or E5 key adjust the volume level in steps of 5. Use the C#5 and D#5 keys for more precise control.

4. Activating Rhythm Pattern Playback

Select one of the pre-recorded drum patterns by pressing one of the E2 ~ B3 keys while holding down the [Metro / Rhythm] button. Your MARK PRO ONE i has 20 types of pre-recorded drum patterns which you can play along with. You can enjoy the various grooves from the different styles of the contemporary popular music. Play along with the drum grooves will give you the actual feeling of live stages. Of course, it is very useful feature for gigs!

To stop the playback, press the [Metro / Rhythm] again while the selected drum pattern is being played. You can adjust the tempo and the volume level as you do with the metronome.

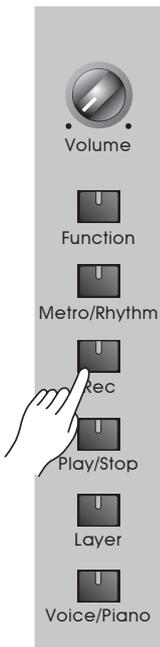
E2	F2	F#2	G2	G#2	A2	A#2	B2	C3	C#3
Ballad 1	Ballad 2	Ballad 3	Ballad 4	Pop 1	Pop 2	Pop 3	Pop 4	R&B 1	R&B 2
D3	D#3	E3	F3	F#3	G3	G#3	A3	A#3	B3
Dance 1	Dance 2	Rock 1	Rock 2	Country 1	Country 2	Latin 1	Latin 2	Jazz 1	Jazz 2





Rec & Play/Stop Button

1. Recording



The MARK PRO ONE i can record and play your musical performances like a tape recorder. Monitoring your own performance will greatly help you develop your techniques and musical ears.

◆ 3 Ways to start recording

1. Pressing the [Rec] button will put the MARK PRO ONE i in record-ready mode. When you start to play, the recording will automatically start. To stop the recording, press the [Play / Stop] button right below the [REC] button.
2. Pressing the [Rec] button will put the MARK PRO ONE i in record-ready mode. Then press the [Play / Stop] button. This will start the recording. When you play, your performance will be recorded.
3. Pressing the [Rec] button will put the MARK PRO ONE i in record-ready mode. Then press the sustain pedal or the sustenuto pedal. This will start the recording. When you play, your performance will be recorded.

If you want to use the metronome while performing, activate the metronome before you put the MARK PRO ONE i in record-ready mode. For more information about the metronome, see page 20.



Recording a new performance will erase the previously recorded performance. You cannot record your performance with the internal rhythm pattern either.

1. Play and Stop



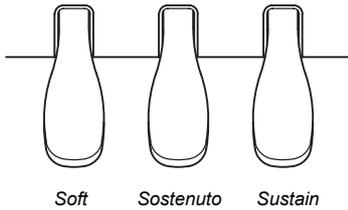
Press the [Play / Stop] button to start playback or to stop it. When the MARK PRO ONE i is in the recording mode, pressing the [Play / Stop] button will start or stop playback.



Record the harmony parts first, and play the melody part with different voices, or percussion voices. You can have real fun.



Pedals



SUSTAIN PEDAL

The sustain pedal (rightmost pedal) functions in the same way as the damper pedal of an acoustic piano. When the sustain pedal is pressed, notes continue to play after their keys have been released. Releasing the pedal will silence the sustained notes.

SOSTENUTO PEDAL

If you play a note on the keyboard and press the sostenuto pedal while the notes are held, those notes will still sustain as long as you hold the pedal. But all subsequently played notes will not be sustained.

SOFT PEDAL

The soft pedal reduces the volume while the pedal is pressed. The soft pedal will not affect notes that are already playing when it pressed.



MIDI



MIDI (Musical Interface Digital Interface) is an industry-standard protocol for electronic musical instruments to communicate with each other. MIDI data does not contain any audio signal. It carries digital “performance data” such as the pitch, note velocity, control signals, etc. For more information about your MARK PRO ONE i’s MIDI features, see the MIDI Implementation chart on page 25.

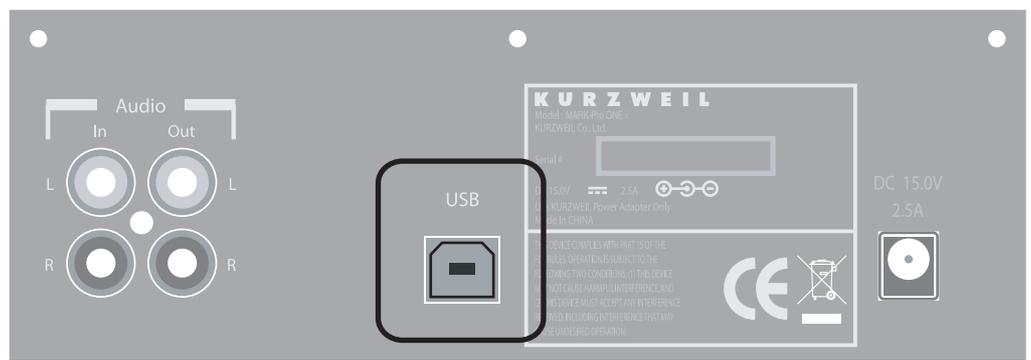
1. USB MIDI Connection

The MARK PRO ONE i has a single USB port on its rear panel.

- The MIDI In port is for receiving MIDI data from another digital instruments equipped with MIDI Out port.
- The MIDI Out port is for transmitting MIDI data that the SP2 generates to another digital instruments equipped with MIDI In port.

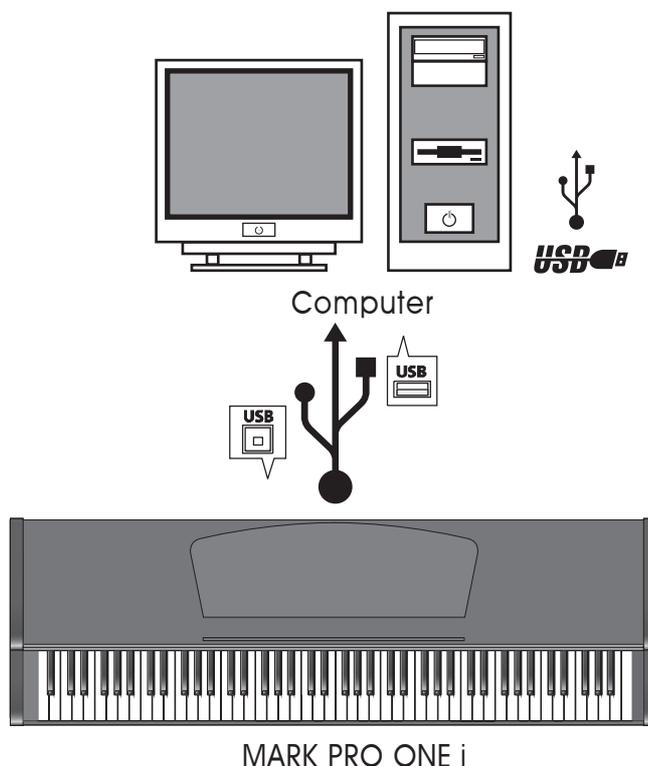
Without a MIDI interface, the MARK PRO ONE i can be connected to a computer via USB. A single USB cable can carry incoming and outgoing MIDI data between the MARK PRO ONE i and a computer.

USB USB is the abbreviation for Universal Serial Bus, which is a serial bus standard to interface devices. The MARK PRO ONE i support “Plug and Play” feature of Windows XP. So, you don’ t even need to install any additional driver.



You can also use the MARK PRO ONE i's MIDI feature to record and play your music with computer based sequencer programs. When you record your performance into the memory of the MARK PRO ONE i, you are actually recording MIDI data, which does not contain any audio signal but the digitized "performance data". You can do that with any of the computer based sequencer programs with several more advantages such as unlimited memory and flexible editing feature.

You can connect the MARK PRO ONE i to a personal computer as illustrated in the diagram below.



2. MIDI Channel

The MIDI protocol can transmit multiple channels of performance data. In other words, you can even playback musical pieces performed by multiple instruments. Typical MIDI instruments can play up to 16 channels at the same time which equal 16 soloists!



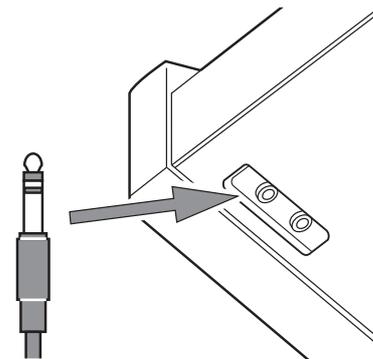
If you want to use the MARK PRO ONE i with a computer via USB, a sequencer program must have been installed on your computer.



Miscellaneous

1. HEADPHONES

A headphone jack allows private practice. Plugging in a pair headphones turns off the speakers. You can also insert a "dummy" stereo headphone adapter. This is useful if you want to mute the internal speaker system while using a more powerful external amplification system connected to Audio out jack. There are two identical headphone jacks on the MARK PRO ONE i.

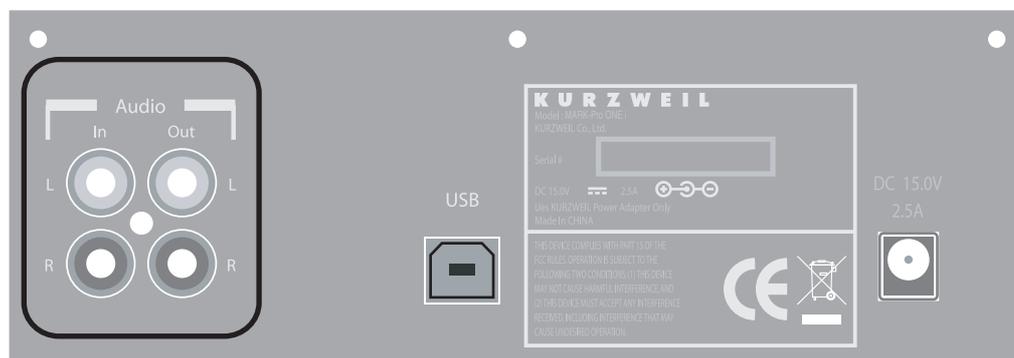


2. AUDIO IN JACK

The Audio In jacks allow you to play along with a tape, CD player or to have an external tone module connected to the MARK PRO ONE i audio system. It is best to use a tone module, tape or CD player that has its own output volume control because the volume control of the MARK PRO ONE i does not affect the signal coming from the Audio In jacks.

3. AUDIO OUT JACK

The Audio Out jack is used to boost the sound level coming from the piano by hooking it to external amplifier and speaker systems. It can also be connected to an audio recorder to preserve your performance. The MARK PRO ONE i's volume control also affects the signal at the Audio Out jacks. If you wish to silence the MARK PRO ONE i's speakers while using the Audio Out jacks, plug a pair of headphones into either Headphone jack.





Tutorial



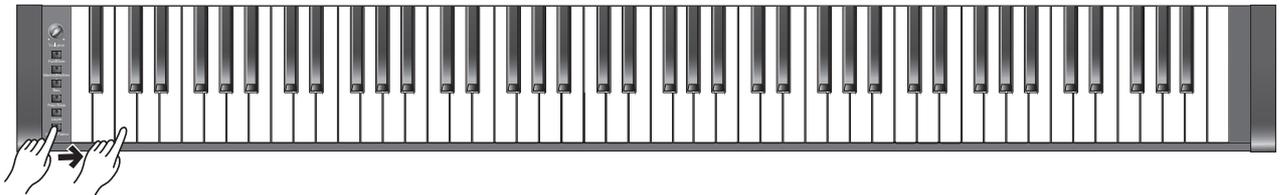
1. Using Layers

The most often used layering techniques are mixing two sounds (Piano with Strings or Pads) each with fast attack and slow attack for richer and punchier sounds, or layering a few similar sounding programs (Brasses, Strings, Analog Synths, etc.) to fatten the sounds. Follow the tutorial below a couple of times and you will get the idea quickly and realize how useful this feature will be.

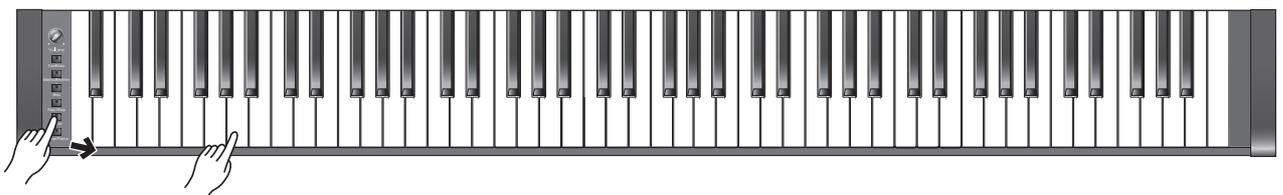
2. Creating New Electric Piano Voice

We are going to start with an existing electronic piano sound and layer it with an acoustic piano sound to create a new electric piano sound suitable for ballad tunes.

1. Select the “Grand Piano” sound by pressing the C1 key while holding down the [Voice / Piano] button.



2. Select the “FM Piano” sound by pressing the A1 key while holding down the [Layer] button.



You can try any combination to your taste. Enjoy your new sounds with the internal rhythm patterns for more fun.



MIDI Implementation Chart



Manufacturer : YOUNG CHANG
 Model : MARK PRO ONE i Digital Piano

Version 1.0

Function	Transmitted	Recognized	Remarks	
Basic Channel	Default	1	1	
	Changed	All	All	
Mode	Default		Poly	
	Messages	Any	Mode 3	
	Altered	X		
Note Number	Key range	0 – 127	0 – 127	
	True Voice	0 – 127	0 – 127	
Velocity	Note ON	0	0	
	Note OFF	0	0	
After Touch	Keys	X	X	
	Channels	X	X	
Pitch Bender		X	0	
Control Change	0, 32	X	X	Bank Select
	1	X	0	Mod Wheel
	6	X	0	Data Entry
	7	X	0	Volume
	10	X	0	Pan
	11	X	0	Expression
	64	0	0	Sustain Pedal
	66	0	0	Sostenuto Pedal
	67	0	0	Soft Pedal
	83	X	0	Reverb Select
	91	0	0	Reverb Wet/Dry
	93	0	0	Chorus Wet/Dry
	120	X	0	All Sound Off
121	X	0	Reset All Controllers	
Program Change		0 1 – 32	0 1 – 32	
	True #	0 0 – 31	0 0 – 31	
System Exclusive		X	X	
System Common	Song Pos.	X	X	
	Song Sel.	X	X	
	Tune	X	X	
System Real Time	Clock	X	X	
	Messages	X	X	
Aux Messages	Local Control	X	X	
	All Notes Off	0	0	
	Active Sense	X	X	
	Reset	X	X	

Notes

Mode 1 : Omni On, Poly
 Mode 3 : Omni Off, Poly

Mode 2 : Omni On, Mono
 Mode 4 : Omni Off, Mono

0 = Yes
 X = No



Appendix



Specification

Physical

Height	32.3 inch	82 cm
Depth	16.5 inch	42 cm
Length	54.3 inch	138 cm
Weight	112 lbs	51 kg

Audio

30 Watt Amplification	2 x 15 Watts RMS Per Channel
2 Speakers	4 x 6 inch (10cm x 15cm) Oval Type
Audio Outputs	Impedance : 1K Ω source Level : nominal 0.5V RMS
Audio Inputs	Impedance : 50K Load Level : nominal 0.5V RMS
Headphone Output	Impedance : 47 Ω source Level : nominal 0.5V RMS

Electrical

Safe Voltage Range	90~125 Volts or 190~250 Volts depending on adapter
Safe Frequency Range	47 ~ 63Hz
Power Consumption	20 Watts nominal (Piano sound at normal volume)

Environmental

Operating Temperature	5 to 40 $^{\circ}$ C	(40 to 104 $^{\circ}$ F)
Storage Temperature	-25 to +85 $^{\circ}$ C	(-13 to 185 $^{\circ}$ F)
Operating Humidity	5 to 95% (non ~ condensing)	
Storage Humidity	5 to 95% (non ~ condensing)	





Notes
