KURZWEIL
Music Systems

Mark-Pro ONEi S

Digital Piano
Owner's Manual
사용설명서

YOUNG CHANG

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
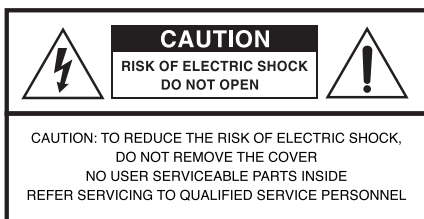
IMPORTANT SAFETY & INSTALLATION INSTRUCTIONS

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 priod 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 be 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:

The normal function of product may be disturbed by strong electro magnetic interference. If so, simply reset the product to resume normal operation by following the instruction manual.
In case the function could not resume, please use the product in other location.

- 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 present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la class B prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

SAVE THESE INSTRUCTIONS

Mark-Pro ONEi S

Digital Piano
Owner's Manual

Table of Contents

KURZWEIL
Music Systems

SET UP MUSIC RACK

HOW TO SET UP MUSIC RACK

> ① Assemble a fixed bolt first to the back (rear) of music rack support (prop).
> ※ Do not keep too tight when assemble a fix bolt
>
> ② Insert music rack to music rack support to fit the holes on the both end of music rack's bottom with bolts assembled in 1.
>
> ③ Tighten a fixed bolt after insert music rack to music rack support.

① assemble music rack support and a fixed bolt

music stand support
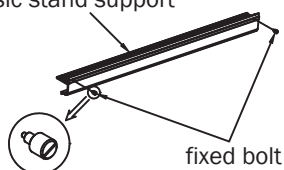
fixed bolt

② figure assembling music rack support and a fixed bolt

③ assemble music rack and music rack support

music rack
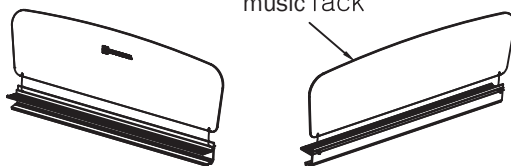
④ figure assembling music rack and music rack support
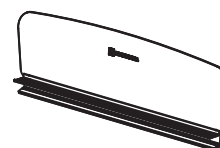
HOW TO A SET UP (ASSEMBLE) BODY AND MUSIC RACK

> ① Insert music rack to the center of hold in the back side (rear) body.
>
> ② When insert music rack, push to the end.

① assemble body and music rack (front side)
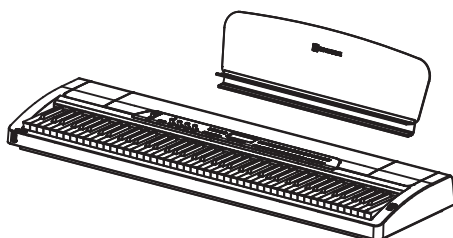
② assemble body and music rack (back side)
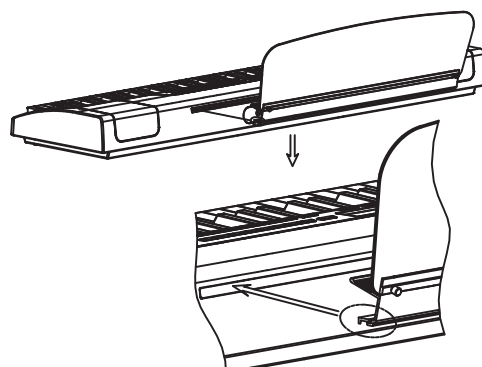
③ figre assemble body and music rack (front side)
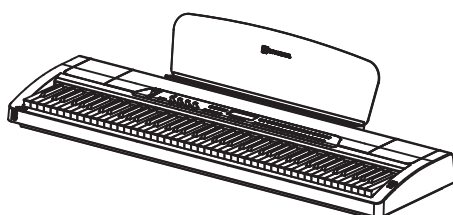
④ figre assemble body and music rack (back side)

STAND ASSEMBLY

ACCESSORIES
부속품
零件

① 6.2cm Screw
(4 Pieces)

② Plastic Cap
(4 Pieces)

③ 1.5cm Screw
(4 Pieces)
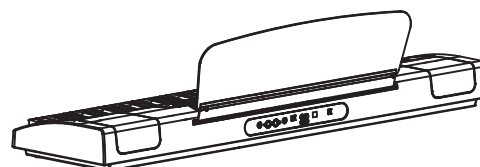
① As shown connect side board 1 to rear board 3, then tighten screws 1.

옆판1과 뒷판에 보기1번 나사를 조인다

侧板1与后板间锁紧编号1螺丝

1   3

② Connect side board 2 to the opposite end of rear board 3, then tighten screws 1.

옆판1과 고정한 뒷판에 옆판2를 대고 보기1번 나사를 조인다.

侧板2与后板间锁紧编号1螺丝.

3   2   1
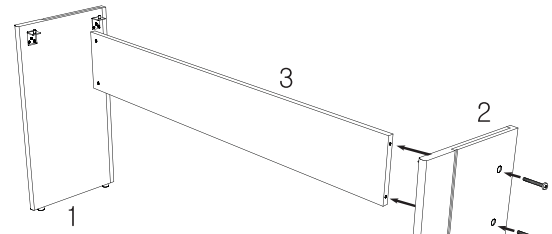
③ Plastic caps 2 should be put in the holes after tightening the screws.

나사가 조여진 홀 안에 플라스틱 캡을 끼워 넣어준다.

锁紧螺丝后,在侧板标记孔里塞进塑胶帽(编号2).

BOTTOM
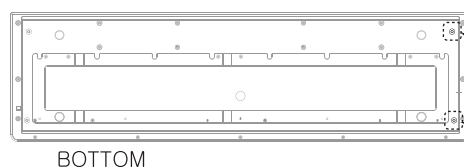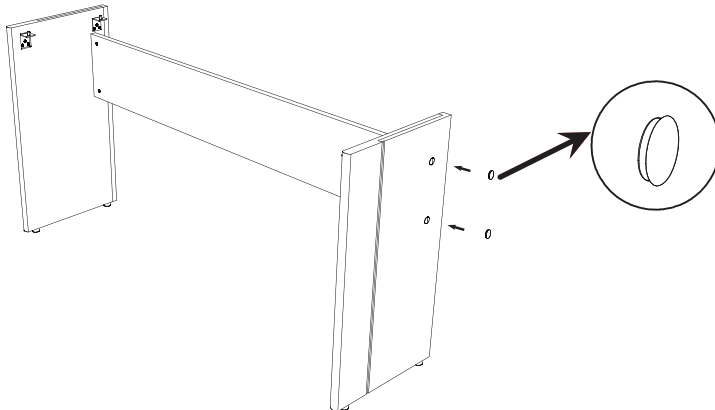
④ As shown, connect the keyboard to the stand, After that, tighten screws 3.

본체를 보기와 같이 스탠드의 4개의 쇠 부분에 맞춰 넣은 후 보기 3번 나사를 조인다.

把琴体放在已装好的4个角铁上,
对准螺丝孔,再锁紧螺丝(编号3).
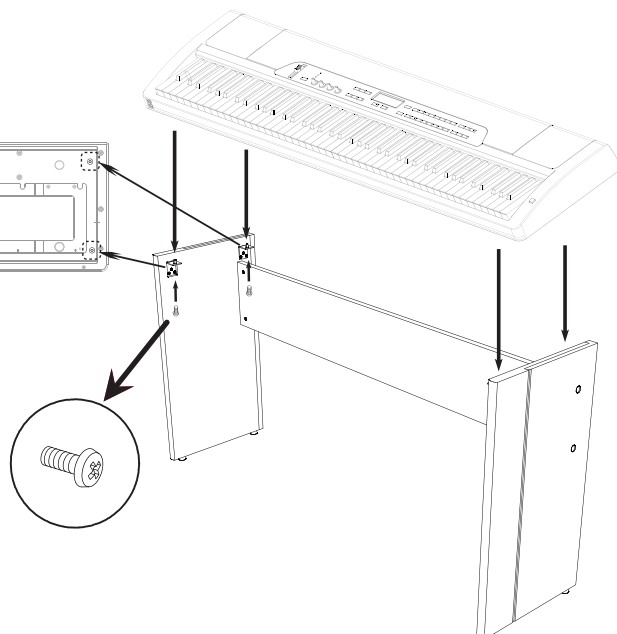
The Panel of the Mark-Pro ONE i S
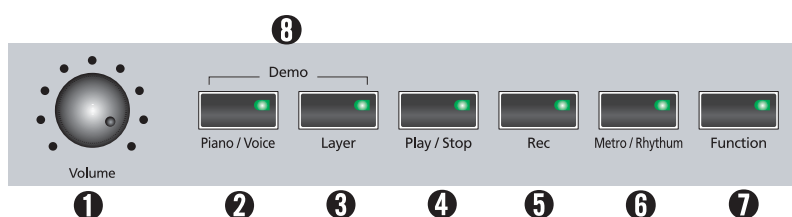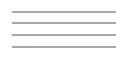
❶ **Volume**
Adjust the volume level using this control

❷ **Voice / Piano Button**
Select voices from the world renowned Kurzweil sounds

❸ **Layer Button**
Divide the keyboard into two different sounds

❹ **Play / Stop Button**
Playback or stop recorded Performance

❺ **Record Button**
Record user's performance

❻ **Metronome / Rhythm Button**
Activate metronome / rhythm function

❼ **Function**
Modify parameters of Touch, Tune, Transpose and MIDI channel

❽ **Demo Button**
Activate demo song playback feature

Introduction

Welcome to the world of the KURZWEIL Mark-Pro ONEi S Digital Piano.

The Mark-Pro ONEi S 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 ONEi S 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 ONEi S

- 88 Fully Weighted Hammer Action Keys
- 2 Pedals
- 7 Different levels of keyboard sensitivity
- 64 Preset voices
- Transpose, Tune
- 10 Reverbs, 10 Effects

- Layer mode
- 53 Demo songs
- Line In/Out
- USB MIDI In/Out
- 2 Headphone jacks
- 20 Rhythm patterns

Turning on the Instrument (Power)

The Mark-Pro ONEi S 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.
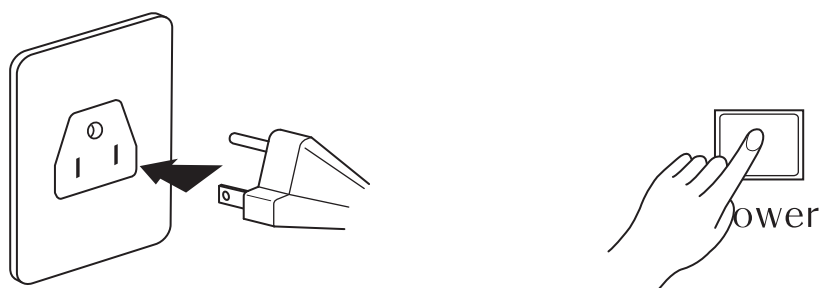
(The shape of plug differs depending on locale).

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.
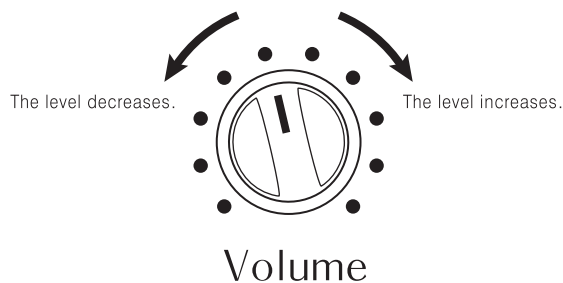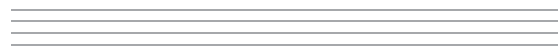
The level decreases.   The level increases.

Volume

Voice / Piano Button

1. Main Voice   To select one of the 64 primary voices, hold down the [Voice / Piano] button then press and release a keyboard key between C1 and D#6. 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 C2. For the different types of voices, the different ranges of keys are arranged. The most digital pianos and synthersizers 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.
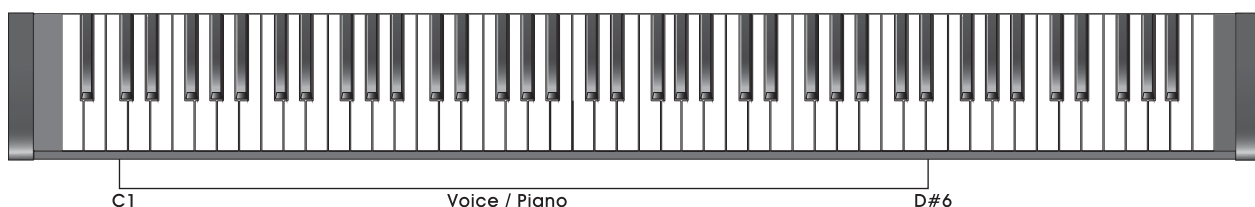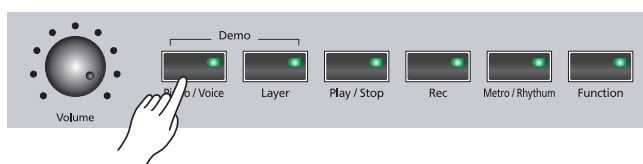
| NO	Key	Voice Mark-Pro ONEi S	NO	Key	Voice Mark-Pro ONEi S	NO	Key	Voice Mark-Pro ONEi S	NO	Key	Voice Mark-Pro ONEi S
1	C1	Stereo Grand	17	E2	Pipes 16'8' Reed	33	G3#	Williams Brass	49	C5	Acoustic Guitar
2	C#1	Classic Grand	18	F2	Orgiano	34	A3	Synth Brass	50	C#5	Chours Elec Guitar
3	D1	Dynamic Grand	19	F#2	Pipe Organ	35	A3#	Brass Section	51	D5	Lead Rock Guitar
4	D#1	Concert Grand	20	G2	Ballad of 3 Bar	36	B3	Sexes X Trumpets	52	D#5	Jazz Frets
5	E1	Yearning	21	G#2	Prog Rocker'sB	37	C4	Indy Lead	53	E5	Round and Wound
6	F1	Piano For Layer	22	A2	Clav Classic	38	C#4	Alazawi	54	F5	Two Finger Bass
7	F#1	HardRock Piano	23	A#3	Dual Wha Clav	39	D4	Hybrid Pan	55	F#5	Slap Bass
8	G1	Ragtime Piano	24	B2	HarPsichord	40	D#4	Old Lead	56	G5	Upright Bass
9	G#1	Studio Rhds	25	C3	Film Strings	41	E4	Scatman	57	G#5	Studio Droum 1+2
10	A1	Fagen Phaser	26	C#3	Touch Strings	42	F4	Bright Voices	58	A5	Radio Kings/Rods
11	A#1	Old Sly Rhds	27	D3	Fast Strings	43	F#4	Doo><Daa	59	A#5	Dirt/Triphop Kit
12	B1	Dyno My E.Pno	28	D#3	Octave Strings 2	44	G4	The Croons	60	B5	Electro Kit
13	C2	Digital E.Piano	29	E3	Kupiter	45	G#4	Eurythm	61	C6	Virtuoso Perc
14	C#2	FantAsm Atron	30	F3	Orch Pad	46	A4	FLG Synth	62	C#6	Rhythm Maker
15	D2	90's FM Ballad	31	F#3	U Say Tomita...	47	A#4	Solar Lead	63	D6	Dual Marimba
16	D#2	Big Red Wurly	32	G3	Spider's Web	48	B4	Attack Stack	64	D#6	Vibes

2. Reverb and Variation Effects

1) Reverb

The Mark-Pro ONEi S 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 C6 ~ A6 keys while holding down the [Function] 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

C6 Reverb A6   C7 Effect A7
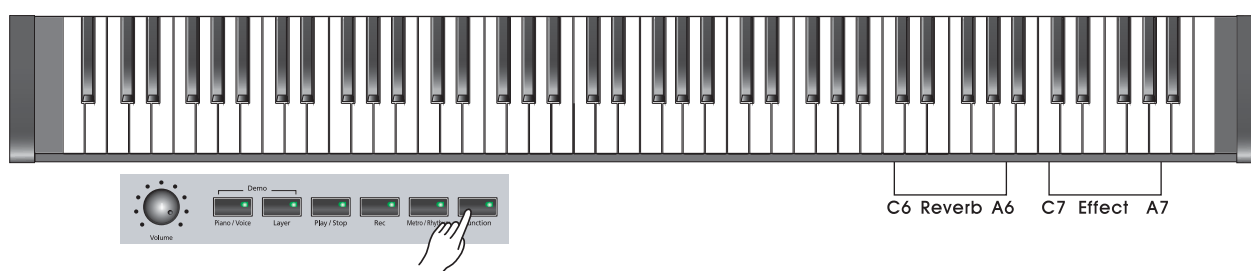
2) Reverb Wet / Dry Mix

Adjust the wet/dry amount for the selected reverb type by pressing one of the F#6 ~ A#6 keys while holding down the [Voice / Piano] button. The wet/dry mix range is from 0 to 100%. Pressing the G6 key increases the wet/dry mix by 1% and the A6 key decreases the wet/dry mix by 1%. The two adjacent keys, the F#6 and A#6 adjust the wet/dry mix by +,-5%. Use the G6 and A6 keys for more precise control.

F#6[−5]
G#6[0]
A#6[+5]
Reverb Wet / Dry Mix
A6[+1]
G6[−1]
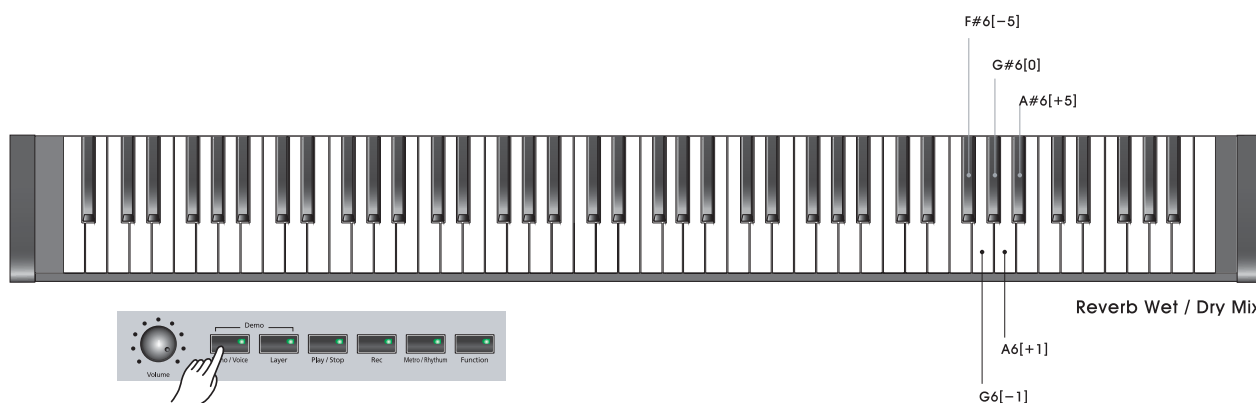
3) Variation Effects

The Mark-Pro ONEi S has 10 kinds of variation effects. To select one, press one of the C7 ~ A7 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 F#7 ~ A#7 keys while holding down the [Voice / Piano] button. The G#7 key sets the wet/dry mix to 0, which means the selected effect won't change the current sound at all. Pressing the A7 key increases the wet/dry mix by 1% and the G7 key decreases the wet/dry mix by 1%. The two adjacent keys, the F#7 and A#7 adjust the wet/dry mix by +,-5%. Use the G7 and A7 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

F#7[−5]
G#7[0]
A#7[+5]

Effect Wet / Dry Mix

A7[+1]
G7[−1]
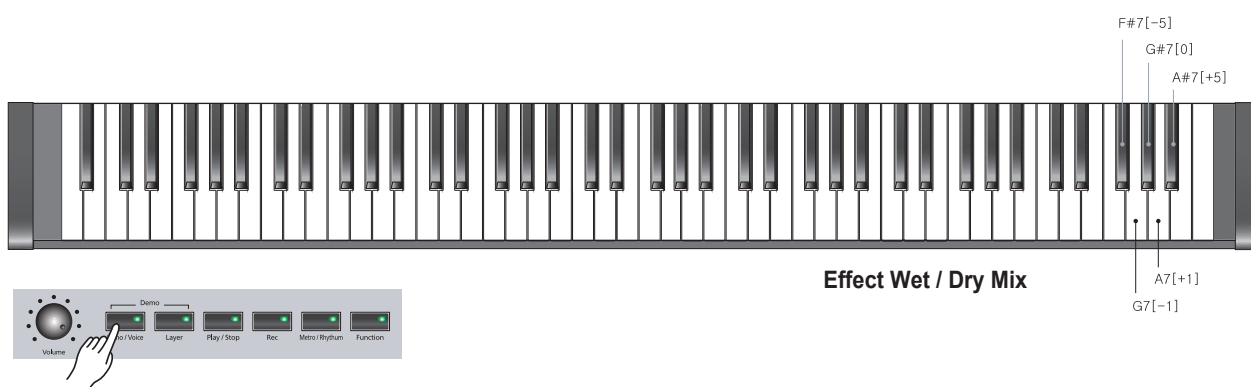
3. Demo Song

While holding down the [Voice / Piano] button, press one of the C1 ~ F5 keys to select and play a demo song. The Mark-Pro ONEi S contains 53 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 F5 key will play all of the 53 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.

C1   DEMO   E5   F5[Repeat]
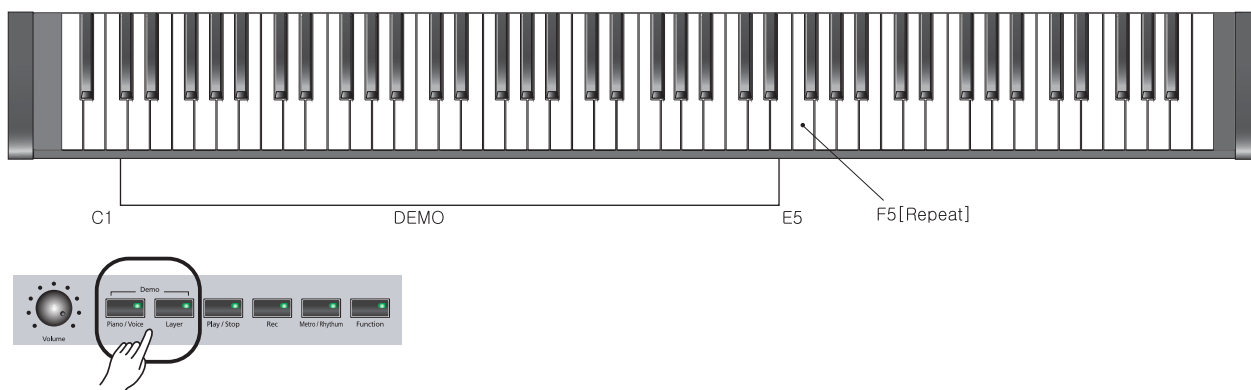
4. The List of The Demo Songs

N0	Song Name	Composer
1	DEMO 1	
2	DEMO 2	
3	DEMO 3	
4	Prelude I BWV 846	J. S. Bach
5	Invention NO. 4	J. S. Bach
6	Invention NO. 8	J. S. Bach
7	Prelude II BWV 847	J. S. Bach
8	ARIA Goldenberg-Variationen BWV 988	J. S. Bach
9	Fuga II (A3 VOCI)	J. S. Bach
10	Sonatine Op. 36 No. 4	M. Clementi
11	Klavierstück K. 15v	W. A. Mozart
12	Piano Sonata K. 333 1st mov.	W. A. Mozart
13	Rondo in D-dur K. 485	W. A. Mozart
14	Piano Sonata K. 331 Rondo Turkish March	W. A. Mozart
15	Piano Sonata K. 545 1st mov.	W. A. Mozart
16	Minuett in G	L. V. Beethoven
17	Bagatelle No. 25 Für Elise	L. V. Beethoven
18	Sonatine Op. 55 No. 1	Fr. Kuhlau
19	March Militaire Op. 51 No. 1	F. P. Schubert
20	Moments Musicaux 3.	F. P. Schubert
21	Kinderszenen	R. Schumann
22	Impromptu Op. 90 No. 4	F. P. Schubert
23	La chevaleresque	J. F. Burgmüler
24	Without word song Op. 38 No. 2	J. L. F. Mendelssohn
25	Venetianisches Gondellied	J. L. F. Mendelssohn
26	Sostenuto	F. F. Chopin
27	Valse KK IVb-11	F. F. Chopin
28	5 Mazurkas I Op. 7 No. 1	F. F. Chopin
29	Valse Op. 69. NO. 2	F. F. Chopin
30	Grande Valse Brillante Op. 18	F. F. Chopin
31	Valse Op. 64 No. 2	F. F. Chopin
32	Nocturn Op. 9 No. 2	F. F. Chopin
33	Valse Op. 64 No. 1	F. F. Chopin
34	Preludes in D$\flat$ Major Op. 28 No. 15	F. F. Chopin
35	Fantaisie-Impromptu Op. 68	F. F. Chopin
36	Träumerei	R. Schumann
37	Frölicher Landmann Op. 68-10	R. Schumann
38	Von fremden Ländern und Menschen Op. 15	R. Schumann
39	Liebesträume Nr. 3	F. Liszt
40	Dolly's Dreaming And Awakening	T. Oesten
41	Frühlingsstimmen Op. 410	J. Strauss
42	The Swan	Saint-Seans
43	Blumenlied	G. Lange
44	Valsette	F. Borowski
45	Old French Air	P. I Tchaikovsky
46	Mazurka	P. I Tchaikovsky
47	Polka	P. I Tchaikovsky
48	Barcarolle	P. I Tchaikovsky
49	Humoreska	A. Dvorak
50	Suit 'Peer Gynt' Op. 46-3 Anitras Tanz	E. Grieg
51	Suite Bergamasque Prelude	C. A. Debussy
52	Reverie	C. A. Debussy
53	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 ONEi S 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 ~ D#6 keys as you select the primary sounds. That's it. Your Mark-Pro ONEi S will generates the two selected sounds together when you play the keyboard. You can select any of 64 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 S 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 ONEi S has the volume range from 0 to 127. Adjust the volume level of the layered sound by pressing one of the C7 ~ E7 keys while holding down the [Layer] button. The D7 key sets the volume level to 100, which is the default. Pressing the D#7 key increases the volume level by 1 and the C#7 key decreases the volume level by 1. The two adjacent keys, the C7 and E7 adjust the Volume Level 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.
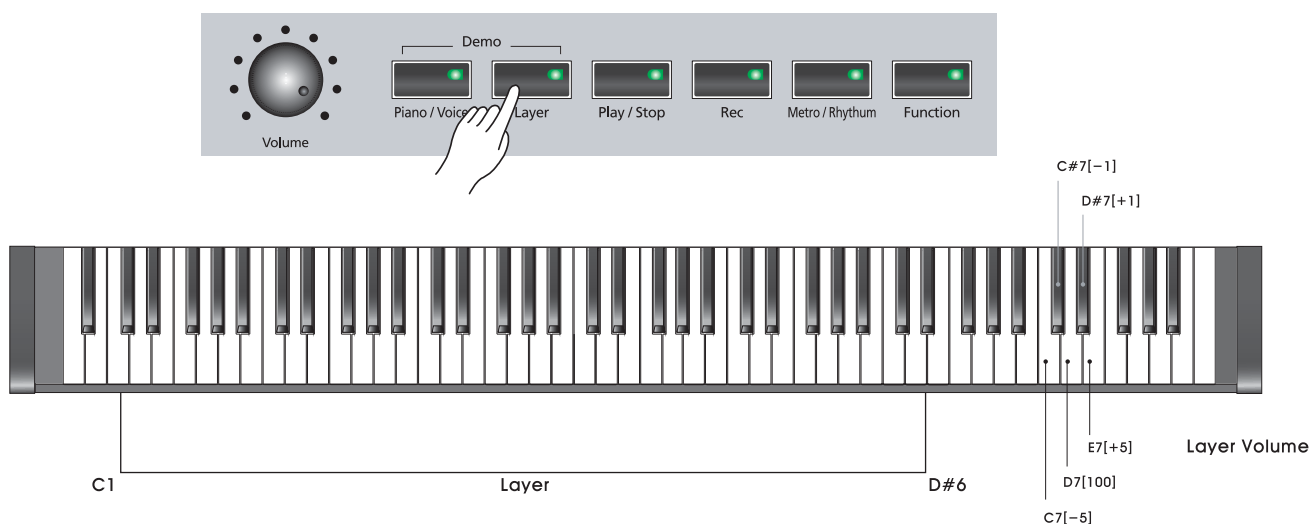
Function Button
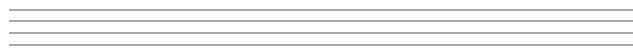
1. Touch

You can adjust how sensitively the keyboard responses 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 ONEi S 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

C2   F#2
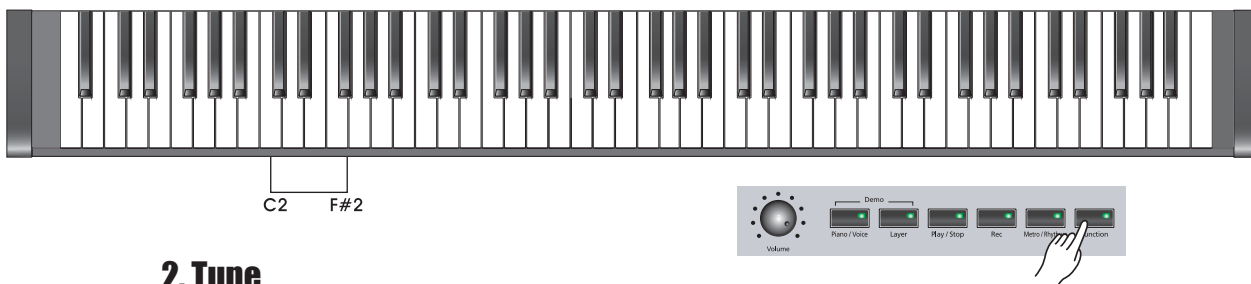
2. Tune

You can finely tune the pitch of the Mark-Pro ONEi S up or down. This function is useful when you play the Mark-Pro ONEi S 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 50 cents flat to 50 cents sharp. Because the Mark-Pro ONEi S does not display the tuned pitch numerically, you should memorize the setting when you use this function.

Key	Tune
C1	−5 Diminution
C#1	−1 Diminution
D1	0
D#1	+1 Increase
E1	+5 Increase

C#1[−1] D#1[+1]

C1[−5] D1[0] E1[+5]   Tune
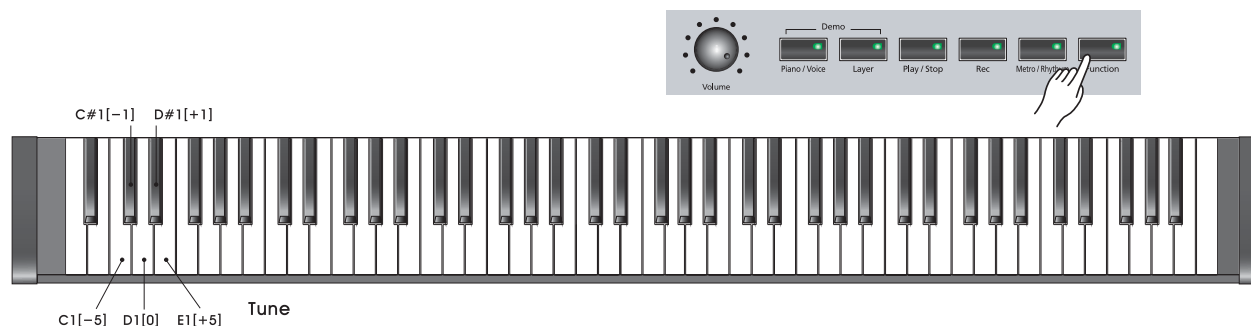
3. Transpose

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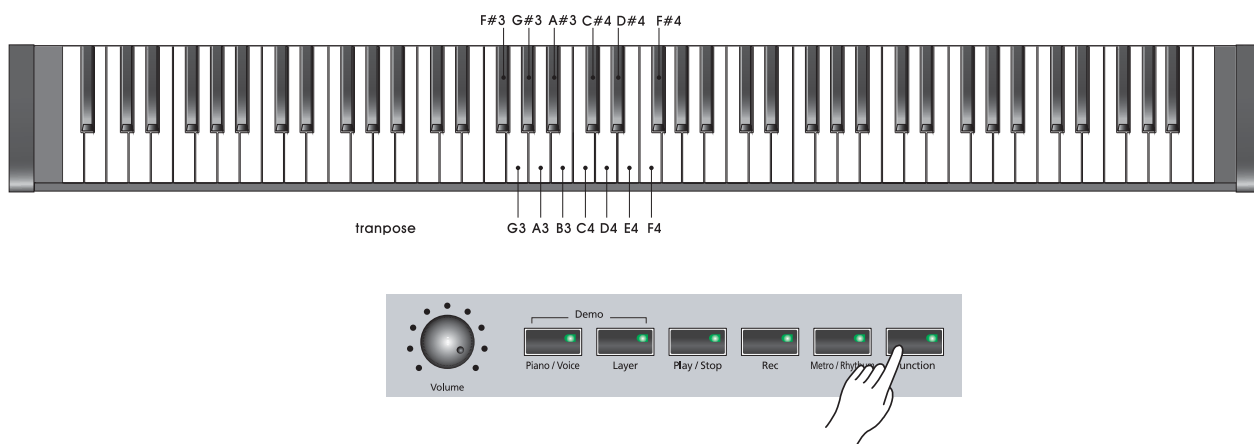
Key	Transpose Value	Key	Transpose Value
F#3	−6	C#4	+1
G3	−5	D4	+2
G#3	−4	D#4	+3
A3	−3	E4	+4
A#3	−2	F4	+5
B3	−1	F#4	+6
C4	0		

4. Local Control

Local Control is the connection between the keyboard of the Mark-Pro ONEi S and the internal sound producing circuitry of the instrument. Normally, Local Control is ON; in fact, every time you power-up the Mark-Pro ONEi S, 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 ONEi S 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 ONEi S and whose MIDI Out port is connected to MIDI In of the Mark-Pro ONEi S .

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 ONEi S 's MIDI features

Key	Local Control
C5	ON
C#5	OFF

Local On/Off C5
C#5
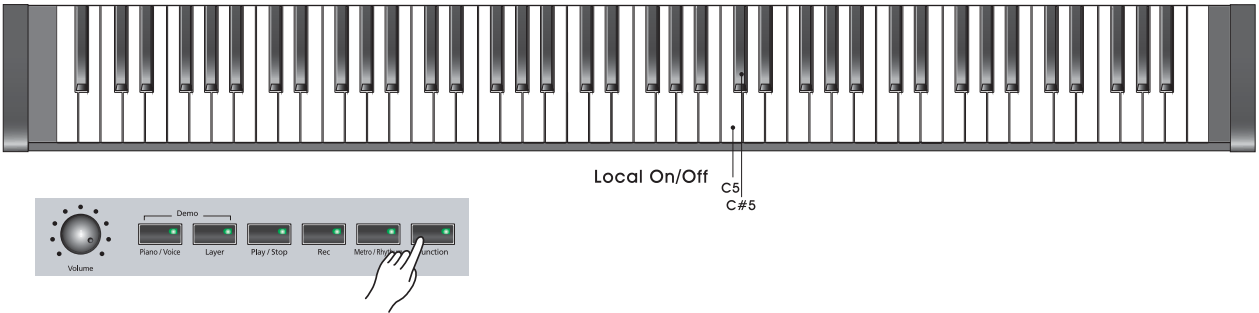
5. Reset

Since the Mark-Pro ONEi S 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.

(Reset) C8
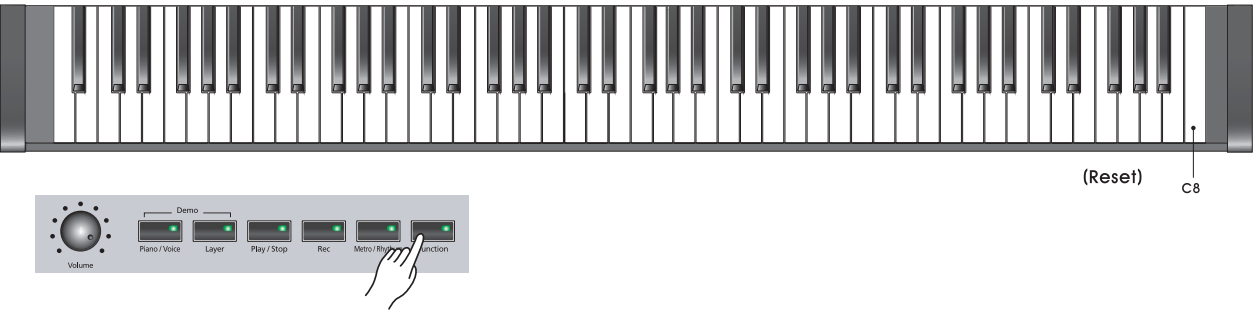
Metro/Rhythm Button

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 ONEi S 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
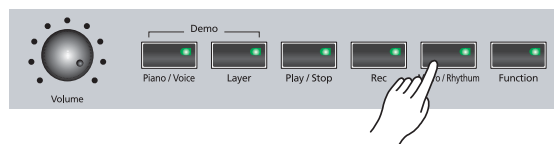
2. Adjusting the Tempo

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 ONEi S 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
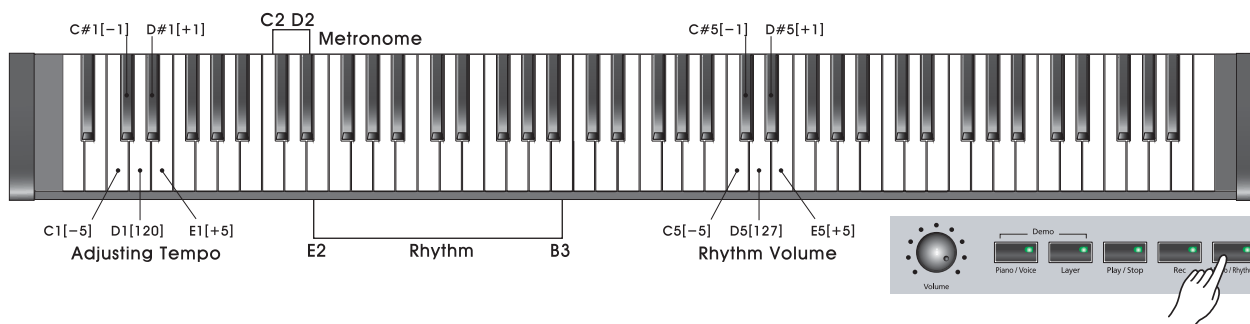
Rec & Play/Stop Button

1. Recording

The Mark-Pro ONEi S 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 ONEi S 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 ONEi S 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 ONEi S 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 ONEi S in record-ready mode. For more information about the metronome, see page 20.

NOTE **Recording a new performance will erase the previously recorded performance. You cannot record your performance with the internal rhythm pattern either.**
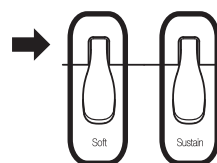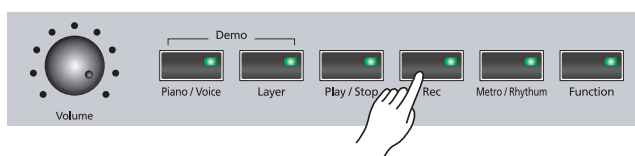
2. Play and Stop

Press the [Play / Stop] button to start playback or to stop it. When the Mark-Pro ONEi S is in the recording mode, pressing the [Play / Stop] button will start or stop playback.
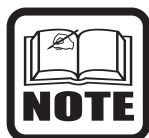
NOTE **Record the harmony parts first, and play the melody part with different voices, or percussion voices. You can have real fun.**
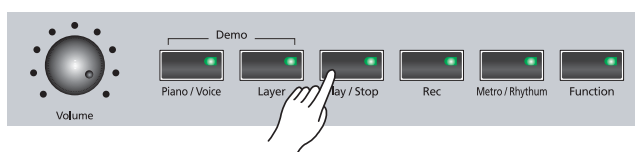
Pedals
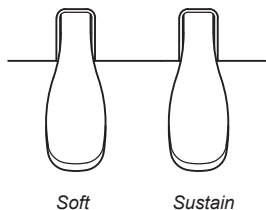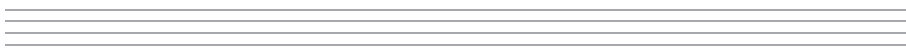
SUSTAIN PEDAL

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.

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.

Soft   *Sustain*
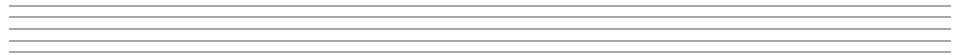
MIDI

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 ONEi S's MIDI features, see the MIDI Implementation chart on page 25.

1. USB MIDI Connection

The Mark-Pro ONEi S 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 ONEi S can be connected to a computer via USB. A single USB cable can carry incoming and outgoing MIDI data between the Mark-Pro ONEi and a computer.

USB is the abbreviation for Universal Serial Bus, which is a serial bus standard to interface devices. The Mark-Pro ONEi S support "Plug and Play" feature of Windows XP. So, you don't even need to install any additional driver.
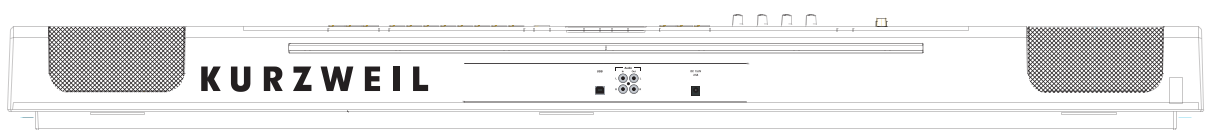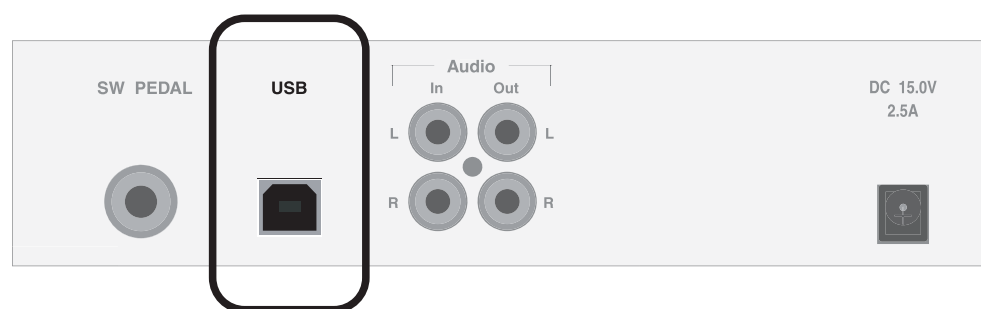
You can also use the Mark-Pro ONEi S 's MIDI feature to record and play your music with computer based sequencer programs. When you record your performance into the memory of the Mark-Pro ONEi S , you are actually recording MIDI data, which does not contain any audio signal but the digitized "performance 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 ONEi S to a personal computer as illustrated in the diagram below.

Computer
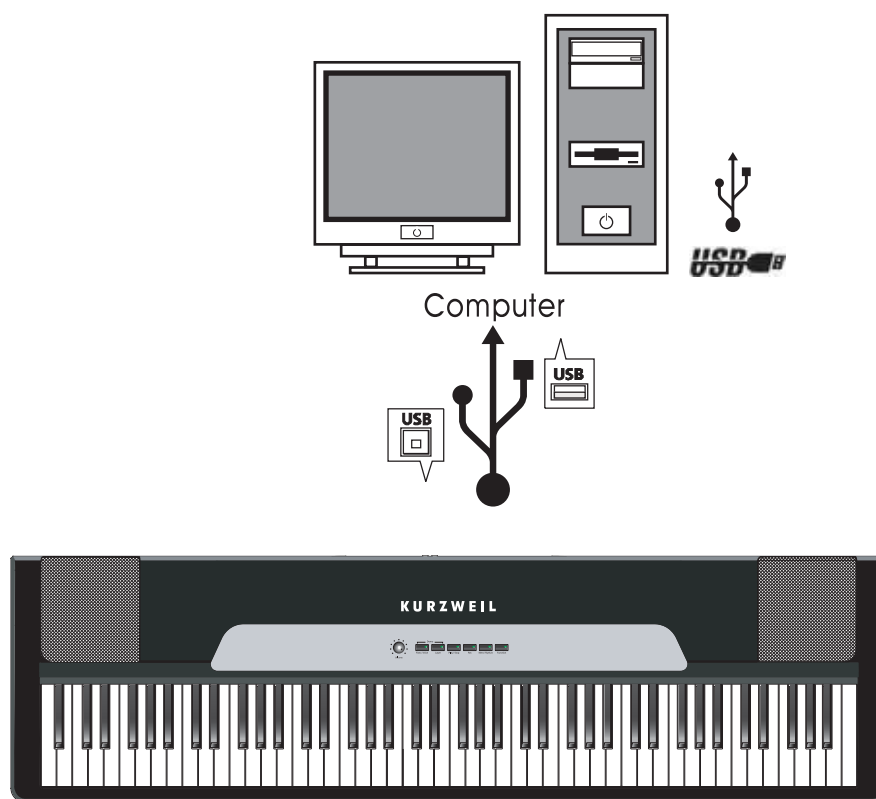
Mark-Pro ONE i S

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!
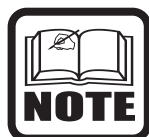
NOTE If you want to use the Mark-Pro ONEi S with a computer via USB, a sequencer program must have been installed on your computer.

Miscellaneous
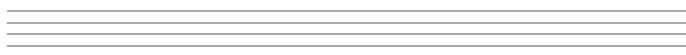
1. HEADPHONES

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 ONEi S
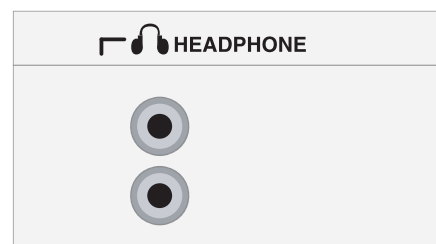
2. AUDIO IN JACK

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 ONEi S 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 ONEi S 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 ONEi S's volume control also affects the signal at the Audio Out jacks. If you wish to silence the Mark-Pro ONEi S's speakers while using the Audio Out jacks, plug a pair of headphones into either Headphone jack.
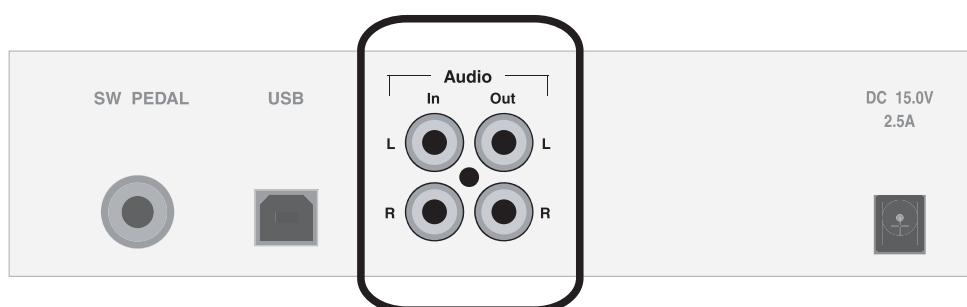
Tutorial

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.
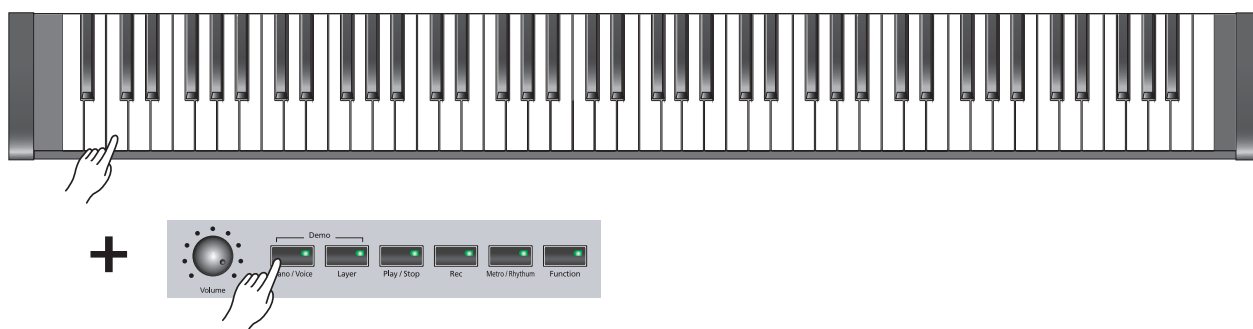
2. Select the "FM Piano" sound by pressing the D2 key while holding down the [Layer] button.

[ex].

[D2]
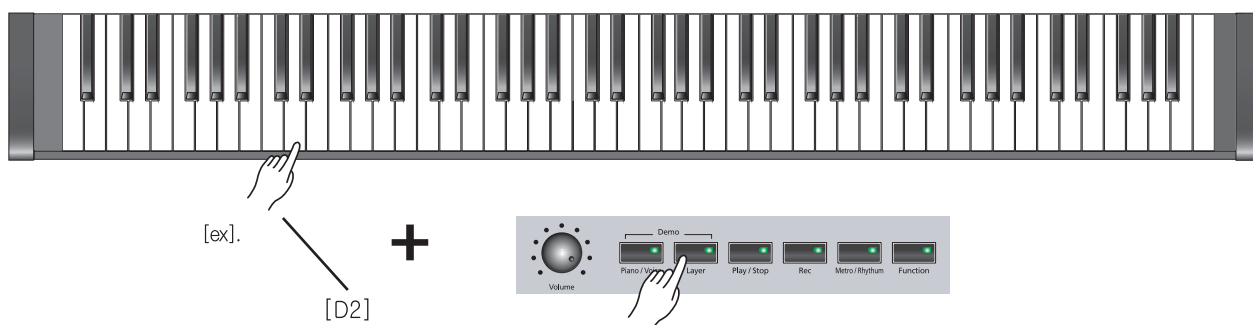
MIDI Implementation Chart
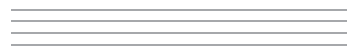
Manufacturer : YOUNG CHANG
Model : Mark-Pro ONE i S Digital Piano

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	O		O		
	Note OFF	O		O		
After Touch	Keys	X		X		
	Channels	X		X		
Pitch Bender		X		O		
Control Change	0, 32	X		X		Bank Select
	1	X		O		Mod Wheel
	6	X		O		Data Entry
	7	X		O		Volume
	10	X		O		Pan
	11	X		O		Expression
	64	O		O		Sustain Pedal
	66	O		O		Sostenuto Pedal
	67	O		O		Soft Pedal
	83	X		O		Reverb Select
	91	O		O		Reverb Wet/Dry
	93	O		O		Chorus Wet/Dry
	120	X		O		All Sound Off
	121	X		O		Reset All Controllers
Program Change		O	1 – 64	O	1 – 64	
	True #	O	0 – 63	O	0 – 63	
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	O		O		
	Active Sense	X		X		
	Reset	X		X		

Notes

Mode 1 : Omni On, Pol y   Mode 2 : Omni On, Mono   O = Yes
Mode 3 : Omni Off, Pol y   Mode 4 : Omni Off, Mono   X = No

Appendix

Specification

Physical

Height	4.5 inch	11.5 cm
Depth	14 inch	36 cm
Length	51.5 inch	131 cm
Weight	44.5 lbs	19.7kg

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 : 1KΩ source
	Level : nominal 0.5V RMS
Audio Inputs	Impedance : 50K Load
	Level : nominal 0.5V RMS
Headphone Output	Impedance : 47Ω 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℃	(40 to 104 ˚F)
Storage Temperature	-25 to +85℃	(-13 to 185 ˚F)
Operating Humidity	5 to 95% (non ~ condensing)	
Storage Humidity	5 to 95% (non ~ condensing)	

Quick Operation Guide

While holding down the [Voice/Piano], [Metro/Rhythm] or [Function] button, press the keys shown below to select voices, layer voices or functions.

Function | **Metro/Rhythm** | **Voice/Piano**

Function button

Tune
- −5
- −1
- 0
- +1
- +5

Touch
- Linear 1
- Light 1 2
- Light 2 3
- Light 3 4
- Hard 1 5
- Hard 2 6
- Hard 3 7

Transpose
- −6
- −5
- −4
- −3
- −2
- −1
- C4 0
- +1
- +2
- +3
- +4
- +5
- +6

Local
- On
- Off

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

Effect
- Chorus 1 1
- Chorus 2 2
- Flange 1 3
- Flange 2 4
- Delay 1 5
- Delay 2 6
- Delay 3 7
- Distortion 1 8
- Distortion 2 9
- Compressor 10

Reset

Metro/Rhythm button

Tempo
- −5
- −1
- 120
- +1
- +5

Metronome
- 2/4 1
- 3/4 2
- 4/4 3
- 6/8 4

Rhythm
- Ballad 1 1
- Ballad 2 2
- Ballad 3 3
- Ballad 4 4
- Pop 1 5
- Pop 2 6
- Pop 3 7
- Pop 4 8
- R&B 1 9
- R&B 2 10
- Dance 1 11
- Dance 2 12
- Rock 1 13
- Rock 2 14
- Country 1 15
- Country 2 16
- Latin 1 17
- Latin 2 18
- Jazz 1 19
- Jazz 2 20

Rhythm Volume
- −5
- −1
- 127
- +1
- +5

Voice/Piano button

(Voice/Piano Sound = Layer Sound)

Key	Voice/Piano
A 0	
A# 0	
B 0	
C 1	Stereo Grand
C# 1	Classic Grand
D 1	Dynamic Grand
D# 1	Concert Grand
E 1	Yearning
F 1	Piano For Layer
F# 1	HardRock Piano
G 1	Ragtime Piano
G# 1	Studio Rhds
A 1	Fagen Phaser
A# 1	Old Sly Rhds
B 1	Dyno My E.Pno
C 2	Digital E.Piano
C# 2	FantAsm Atron
D 2	90's FM Ballad
D# 2	Big Red Wurly
E 2	Pipes 16'8' Reed
F 2	Orgiano
F# 2	Pipe Organ
G 2	Ballad of 3 Bar
G# 2	Prog Rocker'sB
A 2	Clav Classic
A# 2	Dual Wha Clav
B 2	HarPsichord
C 3	Film Strings
C# 3	Touch Strings
D 3	Fast Strings
D# 3	Octave Strings 2
E 3	Kupiter
F 3	Orch Pad
F# 3	U Say Tomita…
G 3	Spider's Web
G# 3	Williams Brass
A 3	Synth Brass
A# 3	Brass Section
B 3	Sexes X Trumpets
C 4	Indy Lead
C# 4	Alazawi
D 4	Hybrid Pan
D# 4	Old Lead
E 4	Scatman
F 4	Bright Voices
F# 4	Doo><Daa
G 4	The Croons
G# 4	Eurythm
A 4	FLG Synth
A# 4	Solar Lead
B 4	Attack Stack
C 5	Acoustic Guitar
C# 5	Chours Elec Guitar
D 5	Lead Rock Guitar
D# 5	Jazz Frets
E 5	Round and Wound
F 5	Two Finger Bass
F# 5	Slap Bass
G 5	Upright Bass
G# 5	Studio Droum 1+2
A 5	Radio Kings/Rods
A# 5	Dirt/Triphop Kit
B 5	Electro Kit
C 6	Virtuoso Perc
C# 6	Rhythm Maker
D 6	Dual Marimba
D# 6	Vibes
E 6	
F 6	
F# 6	Reverb Wet/Dry −5
G 6	−1
G# 6	0
A 6	+1
A# 6	+5
B 6	
C 7	
C# 7	
D 7	
D# 7	
E 7	
F 7	
F# 7	Effect Wet/Dry −5
G 7	−1
G# 7	0
A 7	+1
A# 7	+5
B 7	
C 8	