Acoustic Piano with Silencer, MIDI Converter, Digital Sounds and Functions

FEURICH PREMIUM

Piano Silencer System

User's Guide

SEIT 1851
FEURICH
Tradition & Innovation

Important Safety And Installation Instructions

Information Relating to Possible Personal Injury, Electric Shock and Fire Hazard has been included in this list.

WARNING When using electrical products, basic precautions should always be followed, including the followings:

1. Read all instructions before using the product.
2. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
3. Do not open the cover under any circumstances.
4. Power is supplied through a polarized line plug (one wide blade). Connect only to an outlet designed for a polarized plug.
5. Keep the power cord away from other objects. Make sure that the cord is not twisted, placed in any lane of traffic, or a trapped under the piano.
6. Place your FEURICH PREMIUM away from direct sunlight, water or moisture, or hot or cold air currents.
7. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
8. If repair service is necessary, refer only to authorized service personnel.
9. This product, either alone or in combination with an amplifier and headphones or speakers, 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.
10. The product should be placed at a location or position that does not interfere with its proper ventilation.
11. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
12. The product should be serviced by qualified service personnel when:
    a) The power supply cord or the plug has been damaged; or
    b) Object has fallen, or liquid has been spilled onto the product; or
    c) The product has been exposed to rain; or
    d) The product does not appear to operate normally or exhibits a marked change in performance; or
    e) The product has been dropped, or the enclosure damaged.

FEURICH PREMIUM

We greatly appreciate your purchase of FEURICH PREMIUM. FEURICH PREMIUM allows you to enjoy your new piano any time you want without disturbing others. With the mute lever in the release position, your FEURICH PREMIUM functions as a quality upright acoustic piano with the added benefit of audio and MIDI output signals. With the mute lever in the Mute position, the piano's acoustic sound is silenced and headphones can be used to hear the audio signal privately.
FEURICH PREMIUM contains 216 lesson songs(including 80 demo songs) for your piano exercise.
Before playing your new FEURICH PREMIUM, we suggest reading this user's guide thoroughly to become acquainted with its capabilities and functions.
FEURICH PREMIUM will be operated sensitively **by slight touch of the LETTERS bellow the touch buttons' icons.**

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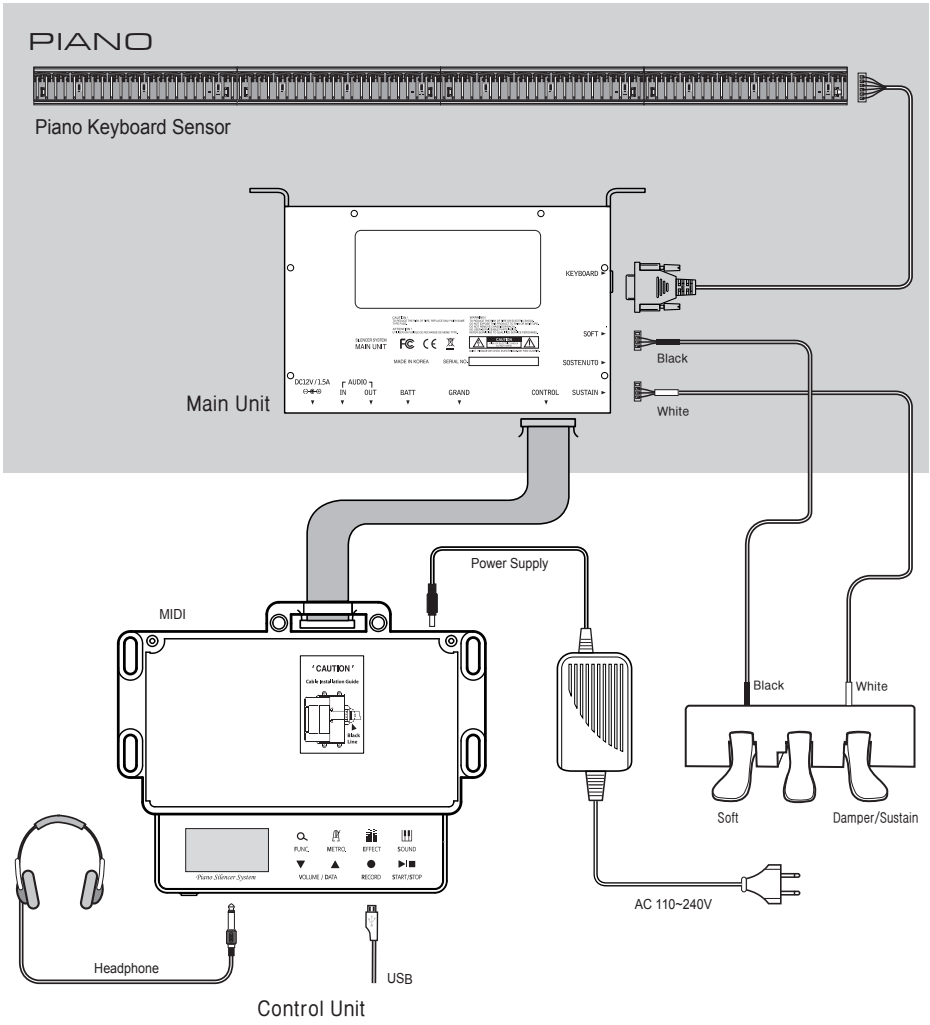
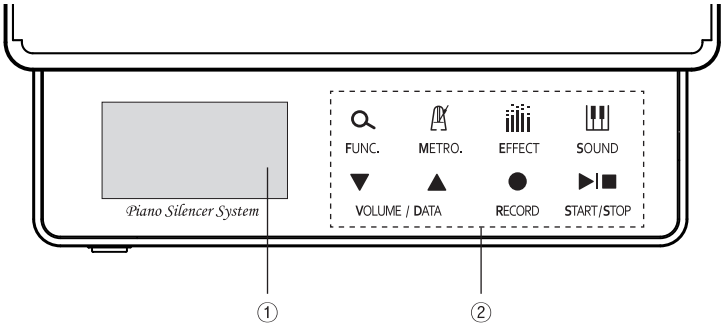
Connection Diagram of FEURICH PREMIUM

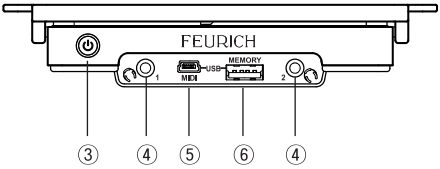


Control Unit

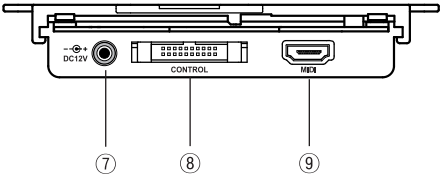
Top view



Front view

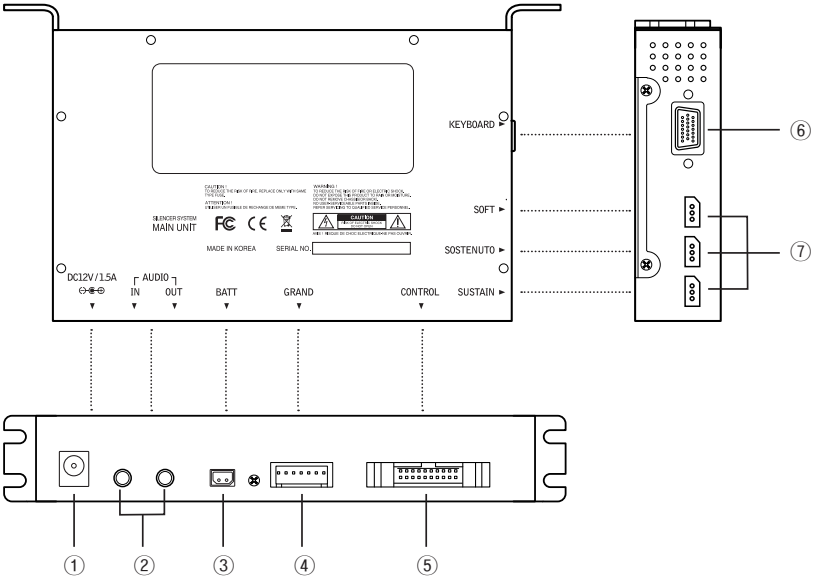


Rear view



① **DISPLY**: Shows the selected mode and value.
② **TOUCH BUTTONS**: Select Function/ Metronome/ Effect/ Sound/ Volume/ Data/ Record/ Start/ Stop buttons.
③ **POWER**: Turns the system on and off.
④ **HEADPHONES**: You can monitor the sound by connecting the headphones.
⑤ **USB PORT**: Connects with PC through USB. (USB MIDI, System Upgrade)
⑥ **USB HOST**: Connects with USB Memory.
⑦ **DC JACK**: System power is provided through use of power adaptor.
⑧ **CONTROL**: Connects with Main Unit.
⑨ **MIDI**: Connect with external MIDI device through MIDI extension cable. (Option)

Main Unit



① **DC JACK**: System power is provided through the power adapter. (Please connect the adapter into either one of Control unit or Main unit)

② **AUDIO IN/OUT**: Connects to outer audio equipment in stereo.

③ **BATT**: Connects to Battery for the Internal clock. (Option)

④ **GRAND**: Connects when you install Mute Bar for Grand Piano.

⑤ **CONTROL**: Connects with Control Unit.

⑥ **KEYBOARD**: Connects to Sensor Rail and Signal Cable.

⑦ **PEDAL SENSOR**: Connects to Pedal Module and Signal Cable. (Sostenuto Pedal Sensor is just for Grand Piano)

FEURICH PREMIUM Operation

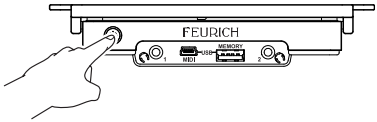
Ready to use

Make sure your power supply complies with the details listed on the accompanying power supply. (12V DC plug)

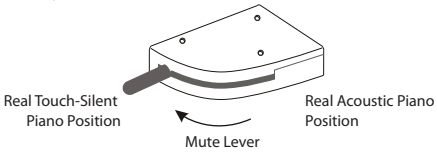
Taking out & confining FEURICH PREMIUM control unit

Pressing softly the FEURICH PREMIUM control unit front and it comes out.

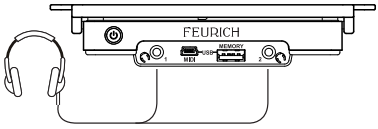
Confining by pushing FEURICH PREMIUM control unit front lightly.



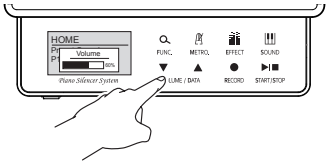
1) Power on.



2) Activating the stop rail: Move the lever (left side, beneath the piano keybed) into the “Mute” position.



3) Plugging in and wearing the headphones: Plug your headphones into one of the headphone jacks. Then put the headphones on.



4) Controlling the volume: Play something on the piano.
Adjust the headphone’s volume using the [▼] , [▲]. Establish a pleasant listening volume level.

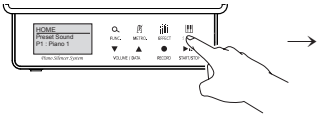
How to try out various contained sounds on FEURICH PREMIUM

You can enjoy FEURICH PREMIUM as a digital piano with various sounds and effects, and also as a sound module with GM sounds contained.

A. Sound select

You can select one of 17 Pre-set sounds,16 User-set sounds and 128 GM Sounds.
Pre-set sounds can be changed only by the manufacturer (The users are not allowed to change it).

1) Press [SOUND] button for the sound mode, and the button icon gets bright.



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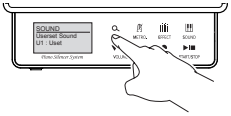
HOME
Preset Sound
P1 : Piano 1

2) Press [FUNC.] buttons to change from Pre-set sounds to User-set sounds and GM sounds.



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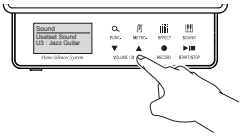
SOUND
Userset Sound
U1 : Userset

3) Press either [▼] or [▲] button of [VOLUME/DATA] to select one from 17 Pre-set sounds, 16 User-set sounds and 128 GM sounds.



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SOUND
Userset Sound
U3 : Jazz Guitar

4) GM Sounds need just one channel at a time.
(Other channels are off mode)

*Press [▲] button to move from a low numbers to a high number.
*Press [▼] button to move from a high number to a low number.
*Press either [▼] or [▲] button and hold it longer to move faster.

5) Press [SOUND]button after setting, and the setting would be saved, and it returns to Home mode automatically.

Pre-set sounds

NO.	Pre-Set
P1	Piano 1
P2	Piano 2
P3	E. Piano 1
P4	E. Piano 2
P5	E. Piano 3
P6	Vibraphone
P7	Celesta
P8	Tinkle Bell
P9	Harpsichord

NO.	Pre-Set
P10	Sound Track
P11	Strings
P12	Pan Flute
P13	Pipe Organ
P14	Chruch Organ
P15	Organ 3
P16	Tubular Bell
P17	Drum

User-set sounds

NO.	User-Set
U1	Accordion
U2	Nylon Guitar
U3	Jazz Guitar
U4	Steel Guitar
U5	Strings
U6	Brass 1
U7	Brass 2
U8	Saxophone

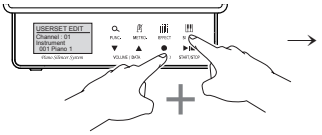
NO.	User-Set
U9	Clarinet
U10	Marimba
U11	Xylophone
U12	Reed Organ
U13	Piano + Trpt
U14	Piano + Flute
U15	Advanture
U16	Piano + Vibra

• Please refer to the GM sounds chart.

B. How to edit User-set

The FEURICH PREMIUM contains editable User-set sounds. Each sound has 16 channels and each channel has 21 parameters. Change the parameter according to the list.

1) Press [RECORD]+[SOUND] buttons together from the Home mode to get into edit mode.



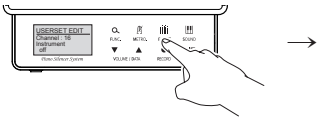
USERSET EDIT
Channel : 01
Instrument
001 Piano 1

2) Edit the sound from the selected sound.

- You can check the sound while editing. (only in the selected channel)

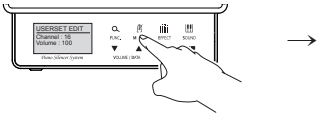
Button	Function
[FUNC.]	Parameter Reverse Direction
[METRO.]	Parameter Forward Direction
[EFFECT]	Channel Down
[SOUND]	Channel Up
[▲]	Value Up
[▼]	Value Down

3) Press either [EFFECT] or [SOUND] button to select the channel to be modified.
Channel 10 is only for drum set.



USERSET EDIT
Channel : 16
Instrument
off

4) Press either [FUNC.] or [METRO.] button to select the parameter to be modified.



USERSET EDIT
Channel : 16
Volume : 100

5) Press either [▼] or [▲] button to set new value of the parameter selected.

- Press both [▼] and [▲] together for the default value.

6) Do the same procedure one by one after modification of each parameter.

Global Parameter

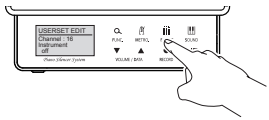
Global parameter is effective to all channels as under listed parameter. (Page 13)

FEURICH PREMIUM Global Parameter

Velocity Curve/Pitch/Reverb Type/Chorus Type/Cutoff Frequency/ Resonance/Title

C. How to change the name of User-set

1) Press either [EFFECT] or [SOUND] button to find name parameter.



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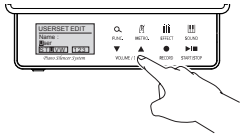
USERSET EDIT
Channel : 16
Instrument
off

2) Character with black box can be changed by pressing either [▼] or [▲] button to set a new letter.



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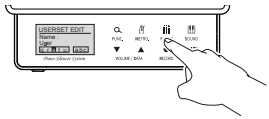
USERSET EDIT
Name :
User
STUVW 123

3) Press either [EFFECT] or [SOUND] button to move next letter to be modified.
Press [START/STOP] button for selecting Alphabet Capital letters, Small letters, Numbers or Signs.
You can change the name by pressing keys. (Page 16~17)



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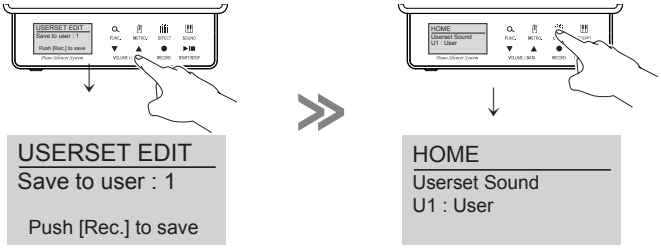
USERSET EDIT
Name :
User
q r s t u abc

• Letters chart for title modification
  • A, B, C, D, E, F,G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
  • a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
  • 0, 1, 2, 3, 4, 5, 6, 7, 8, 9
  • Space, 1, ~, #, &, %, &, ‘, (,), *, +, -, /, :, ;, <, =, >, ?, @, [, W,], ^, _, {, |,], ~

4) Press either [▼] or [▲] button to put new letter from current letter.
5) Press either [EFFECT] or [SOUND] button to move another parameter after finishing title modification.

Return to Home mode with memorizing modified parameter

1) Press [RECORD] button to memorize and return to home mode.
2) Press [▼] or [▲] button to select a User-set Number. Then press [RECORD] button for the selected User-set to be memorized in the built-in memory to return to Home mode.



Return to play mode without memorizing modified data.

Press [START/STOP] button to return to Home mode without memorizing any data.

D. Description of the Parameter of the User's Edit mode

Parameter	Range	Description of the parameter
Program Patch	000-127	The FEURICH PREMIUM contains 128GM compatible sounds which can be selected for each channel. Press either [▼] Value or [▲] button to select the sounds required to the channel. To off the channel, press [▼] Value + [▲] buttons together.
Volume	000-127	Volume adjusts the loudness of the sounds of each channel.
Reverb	000-127	Reverb sets the amount of the reverberant sound of each channel, as you would hear space effect.
Chorus	000-127	Chorus effects broadens the spatial image of the sound like performing with another player.
Transpose	± 24semitone	Transpose sets the pitch of the program of the each channel.
Key Low	A0~C8	Low key sets the lowest key of the effective key range of each channel.
Key High	A0~C8	High key sets the highest key of the effective key range of each channel.
PAN	L63~R63	PAN sets stereo simulation of the sound source.
Velocity Low	000~127	Low velocity sets the lowest velocity of the range you want to set. Lower key than the lowest key does not work for sound.
Velocity High	000~127	High velocity sets the highest velocity of the range you want to set. Higher key than the highest key does not work for sound.
Velocity	Enable, Disable	Velocity sets the activate of the velocity of each channel.
Left Pedal	Soft, Sostenuto	Left pedal parameter sets the function of the left pedal to be Soft like an acoustic piano, Sostenuto or disable.

Parameter	Range	Description of the parameter
Smart Pedal	On/Off	Smart Pedal is an unique function that is invented by ourselves when user plays FEURICH PREMIUM set with organ sound. If user sets the smart pedal function to be a organ, then even such kind poor pedaling, organ sound will not be mixed up with former played chord.
Poly Mode	Poly, Mono	Every notes that were pressed by keyboard will activate the sound.
Reverb Type	1-8	FEURICH PREMIUM has 8 types of Reverb that can be selected to each channel.
Chorus Type	1-8	FEURICH PREMIUM has 8 types of Chorus effect that can be selected to each channel.
Velocity Curve	1-5	Touch response of the key can be selected among 5curves.
Pitch	438-445Hz	Pitch can be set by the 1Hz.
CutOff Frequency	000 127	Kind of electric filter to set the nuance of the tone.
Resonance	000 127	Using this filter user can control emphasized sound around Cutoff Frequency.
Title Char.		Title of User-set can be modified in this field.

How to use the functions by the keys.

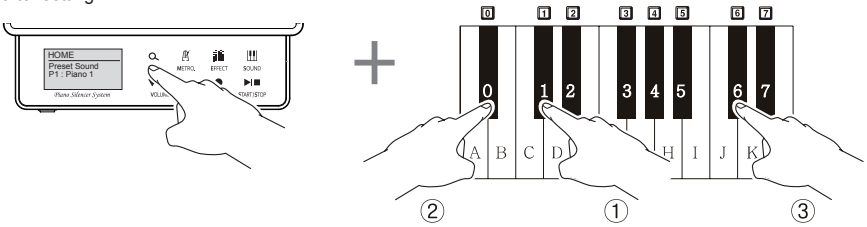
The FEURICH PREMIUM internally contains 128 GM sounds more besides pre-set and user-set. They all can be selected by using piano keys like the numeric keypad from 0 to 9 with the [FUNC.] button pressing.

A. How to select 128 GM sounds.

1) Press and hold the [FUNC.] button on the front panel.
2) Strike one, two or three black keys to select the desired number of sound.
3) Release the [FUNC.] button.

Ex) Selecting 106 sound

Strike C#1 of “1”, A#0 of “0”, C#2 of “6” while [FUNC.] button pressed, and release [FUNC.] button after setting.



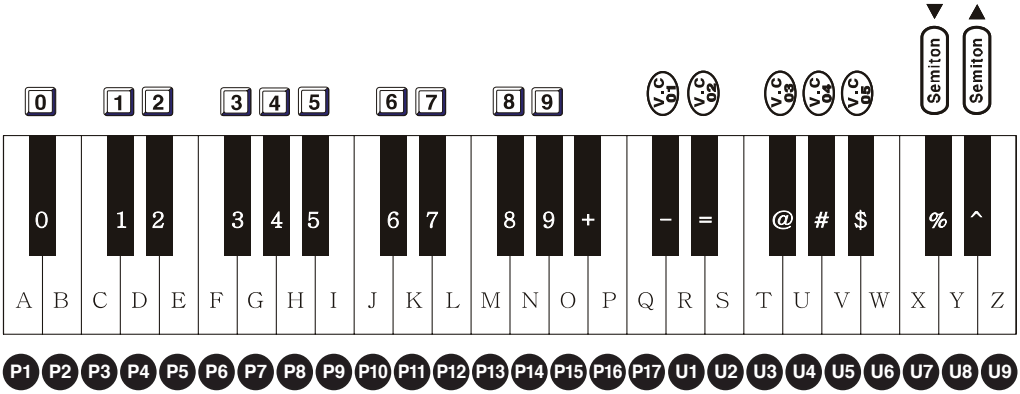
B. Velocity Curve

The touch of your FEURICH PREMIUM can be changed to accommodate players with a lighter or heavier than average touch.

To change form the default Medium setting, do these.

1) Press and hold the [FUNC.] button.
2) Press one of the 5 black keys just below the middle C to select the new touch.

Key	Velocity curve	Touch and Sound
29 : C#3	Velocity 1	Heavy
31 : D#3	Velocity 2	Medium Heavy
34 : F#3	Velocity 3	Medium
36 : G#3	Velocity 4	Medium Light
38 : A#3	Velocity 5	Light



C. Transpose

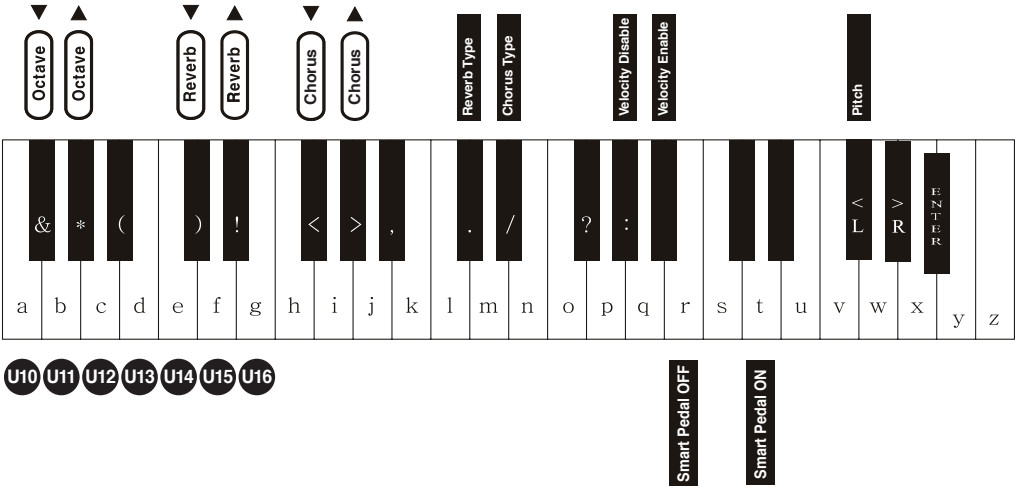
Transpose by the Semitone

1) Press and hold the [FUNC.] button.
2) Strike the D#4(43) black key to transpose up as desired or C#4(41) black key to transpose down by the semitone.
3) Control range of the transpose is 24 Semitone by the semitone.

Transpose by the Octave

1) Press and hold the [[FUNC.] button.
2) Strike the G#4(48) black key to transpose up by the octave or Strike the F#4(46) black key to transpose up by the octave or.
3) Strike the A#4(50) black key to reset the transpose quickly.
4) Control range of the transpose is 2 octaves by the octave.

Key	Control Range	Function
41 : C#4	±24 Semitone	Down
43 : D#4	±24 Semitone	Up
46 : F#4	±2 Octave	Down
48 : G#4	±2 Octave	Up
50 : A#4	0	Reset



D. Reverb, Chorus (Effects)

To simulate the spatial sound effects to the current selected sound, a player can select the desired chorus and reverb type and adjust the depth of each type.

Reverb Amount (Depth)

1) Press and hold the [FUNC.] button.
2) Strike the D#5(55) black key to increase reverb amount or Strike the C#5(53) black key to decrease reverb amount by 1.

Chorus Amount (Depth)

1) Press and hold the [FUNC.] button.
2) Strike the G#5(60) black key to increase the chorus amount or Strike the F#5(58) black key to decrease the chorus amount by 1.

Reverb type

While pressing and holding the [FUNC.] button, strike the C#6(65) black key cycles among room size, which correspond adjust the depth of each type.

Chorus type

While pressing and holding the [FUNC.] button, strike the D#6(67) black key cycles among chorus types, which correspond adjust the depth of each type.

Key	Range	Function
53 : C#5	000	Reverb Down
55 : D#5	127	Reverb Up
58 : F#5	000	Chorus Down
60 : G#5	127	Chorus Up
65 : C#6	8	Reverb Type
67 : D#6	8	Chorus Type

Metronome

The built-in metronome has adjustable parameter for Tempo, Beat and Volume.
Here is how to adjust each of these.

1) Metronome operation.

- Press [METRO.] button to start or stop the metronome operation.

Press [SOUND] to change the sound while metronome is activating.

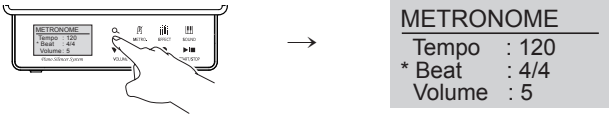
2) Metronome indicator

Sound: Tick and Tack sound according to down or up beat.
Visual operates: Light on or off of [METRO.] button icon.

3) Metronome setting

Press and hold [METRO.] button for more than 3 seconds from Home mode for metronome setting. There are three parameters of Tempo, Beat and Volume and can be adjusted when the metronome is operating. Beginning the Metronome mode is the Tempo parameter with asterisk.

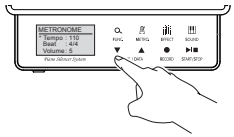
Press [FUNC.] button to move the asterisk from Tempo to Beat.
Press [FUNC.] button again to move the asterisk to Volume.
Press [FUNC.] button again to move from Volume to Tempo.
(Press [FUNC.] button when you want to move asterisk likewise.
Press either [▼] or [▲] button to change the value of each parameter marked with the asterisk.
Press [SOUND] button to return to Home mode.



Tempo

Control range of the Tempo value is from 25 to 250 in 1 minute.

Press both [▼] and [▲ buttons together, then tempo will set to default value 120.



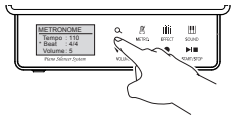
→

METRONOME
* Tempo : 110
Beat : 4/4
Volume : 5

Beat

Press either [▼] or [▲] button to change the value when the asterisk indicates Beat by [FUNC.] button.

A denominator means the default beat and a numerator means the default beat inside the measures.



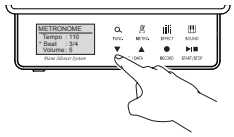
→

METRONOME
Tempo : 110
* Beat : 4/4
Volume : 5

Control range of the Beat value is 21types from 1/2 to 9/8.

Press either [▼] or [▲] button to set as desired Beat value.

Press both [▼] and [▲] buttons together to set as 4/4 beat.



→

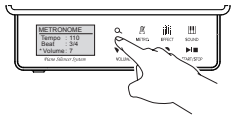
METRONOME
Tempo : 110
* Beat : 3/4
Volume : 5

Beat Chart

1/2	2/2	3/2	4/2					
1/4	2/4	3/4	4/4	5/4	6/4	7/4	8/4	
1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8	9/8

Volume

Change from the Beat to Volume parameter by [FUNC.] button, and set value with either [▼] or [▲] button.



→

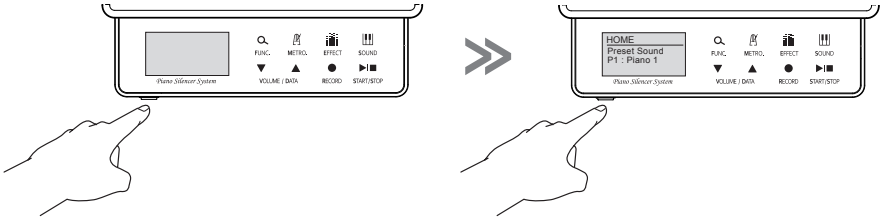
METRONOME
Tempo : 120
Beat : 3/4
* Volume : 7

Control range of the Volume is from 0~9.

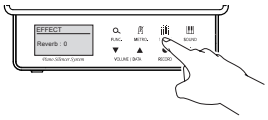
Press both [▼] and [▲] buttons together to set the default value. (volume:5)

Effect

The FEURICH PREMIUM can control the sound with various parameters.
Turn off and on the power to start from the default mode.



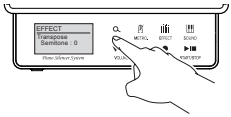
1) Press [EFFECT] button to move to effect setting mode.
Then you can see “Reverb’ Letters on the screen.



→

EFFECT
Reverb : 0

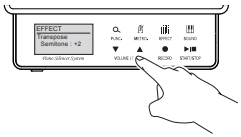
2) Press [FUNC.] button to select one parameter among.
Reverb, Chorus, Transpose, Pitch, Velocity curve.



→

EFFECT
Transpose
Semitone : 0

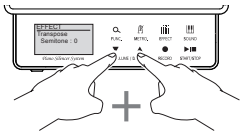
3) Press either [▼] or [▲] button to set with desired value.



→

EFFECT
Transpose
Semitone : +2

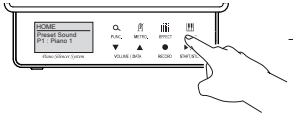
4) Press both [▼] and [▲] button together to set the Default. (Ex : Transpose Semitone : 0)



→

EFFECT
Transpose
Semitone : 0

5) Press [SOUND] button to finish the setting.



→

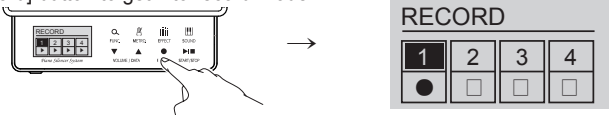
HOME
Preset Sound
P1 : Piano 1

Record and Play

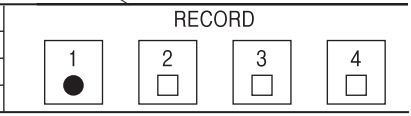
Your FEURICH PREMIUM has a built-in Four track recorder. After recording in first track, you can record in second track with first track playback. With it you can record your performance then later play back the recorded track through the audio and MIDI output.

A. Record

1) Press [Record] button to get into record mode.

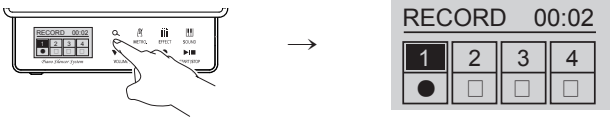


☐	Empty
■	Stop
▶	Play
●	Record



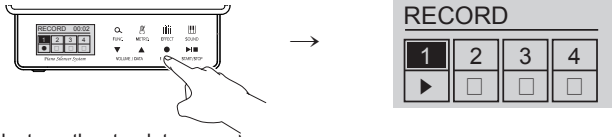
2) Press either [▼] or [▲] button to select the track.

3) When the track is selected, Press [FUNC.] button to choose ●/ ▶/ ■.
Press and hold [FUNC.] button for more than 2 seconds to delete the recorded track.
Press and hold [EFFECT] button for more than 2 seconds to delete all recorded tracks.



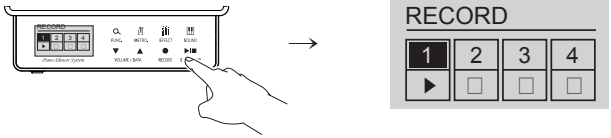
4) Press [RECORD] button to start recording.
Before starting recording, beat with settled tempo in advance for one measure for accurate synchronizing play and reference tempo.

5) Press [RECORD] button to finish recording. And then the selected track icon changes to ▶(play)



You can select another track to record.

6) Press [START/STOP] button to listen to the recorded track.

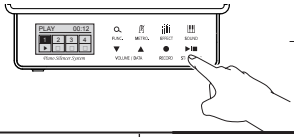


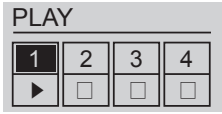
7) Press [SOUND] button to return to Home mode.

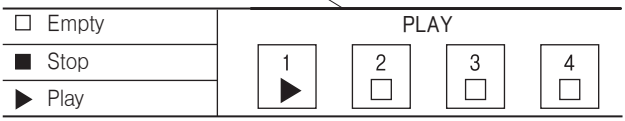
8) If USB Memory is connected during the Record mode, the recording data would be saved in USB Memory automatically.

B. Play (USB Memory is not connected).

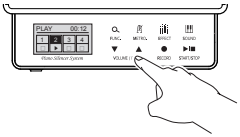
1) Press [START/STOP] button to get into Play mode.



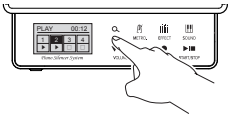




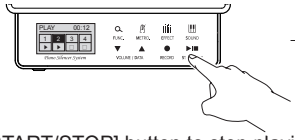
2) Press either [▼] or [▲] button to select the track.



3) Press [FUNC.] button to select to play or not.



4) Press [START/STOP] button to play after selecting to play or not.



5) Press [START/STOP] button to stop playing.

6) Press [SOUND] button to return to Home mode.

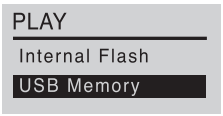
C. Play (USB Memory is connected).

1) From the display in right side, press either [▼] or [▲] button to put the black box on USB Memory, and press [START/STOP] button to check the listed songs.

2) Press either [▼] or [▲] button to select a song.

3) Press [START/STOP] button for play or stop.

4) Selecting Internal Flash from the right display would enter into above '**B. Play (USB Memory is not connected)**' process for Play mode.



D. Using USB Memory

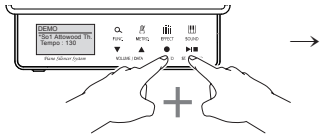
Except Record & Play mode, then USB Memory is connected, you can select one among the following three processes.

1) Press [RECORD] button to copy the recorded song in the control unit.
2) Press [START/STOP] button to play the song saved in the USB Memory.
3) Press [SOUND] button to return to Home mode.

E. Demo songs

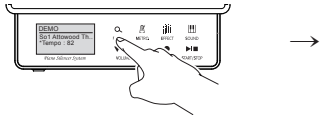
Your FEURICH PREMIUM has built-in 80 Piano demonstration songs for your trial.
Please refer to the chart attached.

1) Press both [RECORD] + [START/STOP] buttons together to get into demo mode.
   Display will show as below.



DEMO
*So1 Attwood Tho
Tempo : 130

2) Select a song among 80 demo songs and press [START/STOP] button to play.
3) During playing, when the asterisk points out Tempo by pressing [FUNC.] button, press [▼] or [▲] button to adjust Tempo.



DEMO
So1 Attwood Tho..
*Tempo : 82

4) During playing, press [START/STOP] button to stop playing or to play another song (you can adjust volume only when the asterisk does not point out tempo by pressing [METRO.] button. And you can adjust demo song volume by pressing [EFFECT] button).
5) Press [RECORD] button to play the next song.

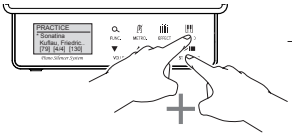
DEMO 00:07
So1 Attwood Tho..
Tempo : 109

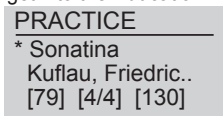
Note: You can play the piano along with demo song.

Education Mode for Practice

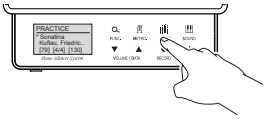
FEURICH PREMIUM has built-in 106 Bayer songs, 30 Czerny songs, 80 Sonatine songs with left, right hand or accompaniment. Please refer to the attached song lists. (Page 30)

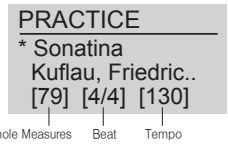
1) Press [SOUND]+[START/STOP] buttons together to get into the Education mode.



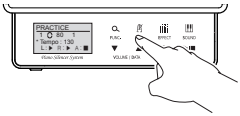


2) Press [EFFECT] button to select a Book or Song Press [▼] or [▲] button to select.

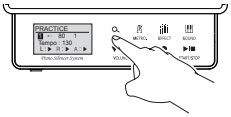




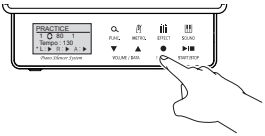
3) Press [METRO.] button to change Tempo(You can also change Tempo while playing)
Press [▼] or [▲] button to select.



4) Press [FUNC.] button to set the start measure and press [FUNC.] button again to set the stop measure. Press [▼] or [▲] button to select the measure number.
Then you can play the measures continuously.



5) Left, Right hand or Accompaniment can be On/Off individually with [RECORD] button.
[**L**]: Left hand. (Controlled by [▼] button) / [**R**]: Right hand. (Controlled by [▲] button)
[**A**]: Accompaniment. (Controlled by [RECORD] button)
▶ in the display means [PLAY].
■ in the display means [STOP].



6) Press [START/STOP] button to start or stop.
When you press [START/STOP] button the song will be played from the beginning.

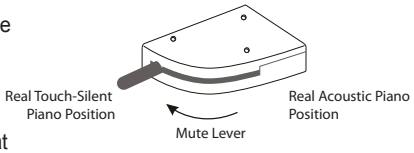
7) You can PAUSE/PLAY by pressing [METRO.] button. (you can adjust volume here)
•Press [METRO.] button again to play from you stopped.
•You can adjust demo song volume by pressing [EFFECT] button.
•Press [START/SROP] button to start from the beginning.

Initializing of FEURICH PREMIUM

Occasionally you may want to initialize the system in your FEURICH PREMIUM for accurate response when in silent mode. A good time to do this when it is new and after the acoustic parts(hammers and strings) have been tuned. Use the following procedure to initialize the systems.

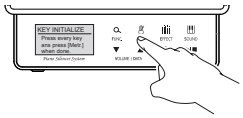
A. Before initialazing

1) The keyboard cable and AC power adaptor should be plugged into FEURICH PREMIUM system and the power should be OFF.
2) The mute lever should be in the Mute position.
3) Make sure that nothing is sitting on the keyboard that might press a key down.



B. How to initialize FEURICH PREMIUM

1) **Right after turn on FEURICH PREMIUM, immediately press and hold [METRO.] button before the system gets ready to be used. Release [METRO.] button when the display shows like bellow.**



→

KEY INITIALIZE
Press every keys and pedals, and press [METRO.] when done.

2) Press each of the 88keys at a time, all the way down with medium force and speed (not too fast).
3) Press all pedals with medium force.
4) After you have finished pressing, press [METRO.] button again to finish the initialization.

When the data is successfully stored, the display will change as shown and the piano is ready to be played.

HOME
Preset Sound
P1 : Piano 1

NOTE

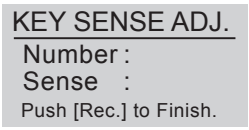
Note : Please initialize FEURICH PREMIUM properly if the piano is not used for a long time or recently moved (The height of the keys can be changed). Please let the skilled expert advise you how to initialize.

How to adjust the sensitivity of FEURICH PREMIUM

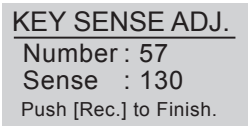
The initialization procedure on the previous page should make all of the keys equally sensitive. If you find that some keys still play too loudly or softly, use the following procedure to adjust the sensitivity of individual key.

How to adjust the sensitivity of each key

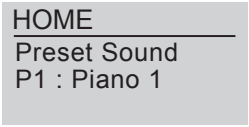
1) Right after turn on FEURICH PREMIUM, immediately press and hold [RECORD] button before the system gets ready to be used. Release [RECORD] button when display shows like right side. And then, the system is ready to be adjusted.



2) Wearing headphones to monitor the sound, play each key and listen to the volume of the sound.
If the sensitivity needs to be adjusted press [▼] or [▲] button to adjust the sound volume for the key last played down or up so that it matches the other keys.
The display shows the current key's sensitivity value from 000 to 255.

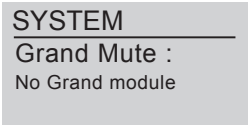


3) Press [RECORD] button to save the adjustment, then FEURICH PREMIUM is ready to be played.



System setting

Press both [FUNC.]+ [SOUND] buttons together to show system setting screen from Home mode.
Press [FUNC.] button to select one menu from the list bellow.
Press either [▼] or [▲] button to change the value.
Press [SOUND] button to save and return to Home mode.

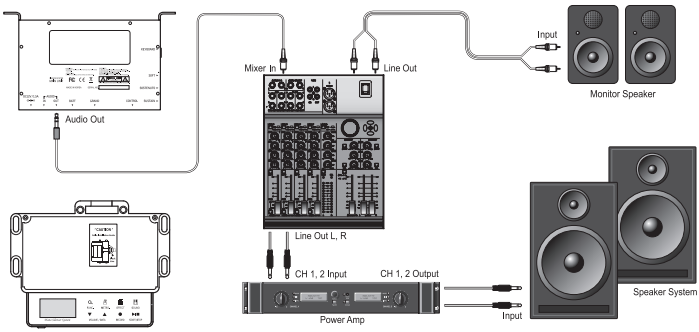


1) Mute on/off. (for the grand module)
2) Firmware Version check. (unchangeable by the user)
3) Start-up sound: Set the default sound when the power is turned on. (from 17 Pre-set Sounds + 16 User-set Sounds)
4) Star-up volume: Set the default volume when the power is turnde on. (Default:60, Range:0~100)
5) Line IN/OUT gain: Default- Line out:0dB/ Line in: -10dB Range:0~-79dB.
6) System initialization: Reset the system and memory to the original version from the manufacturer.
7) LCD Contrast: Range:0~12/ Default: manufacture's set.
8) LCD Back light: Auto-off, Always on, 10 Secs, 20 Secs, 30 Secs.
9) Time set: (with option backup battery) adjust the internal time.
10) Keyboard mode: 1 Upright/ 2 Grand.
11) Note off when playing trills: On/Off.
12) Midi output channel : 1~16, Default : 1.

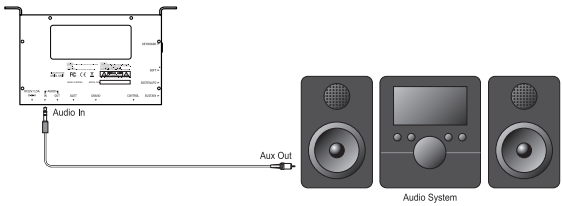
Connecting your FEURICH PREMIUM to external Audio Equipment

How to connect your FEURICH PREMIUM system with external AUDIO equipment.

To get amplified sound of the FEURICH PREMIUM, connect the audio cable from the AUDIO OUT of the FEURICH PREMIUM main unit to the AUX In of the audio equipment,

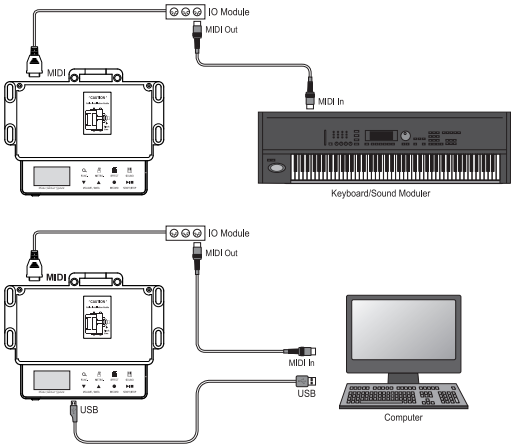


In order to hear the sound of external Audio Player, connect the audio cable from the AUX Out of the Audio device to the Audio In of the FEURICH PREMIUM main unit.

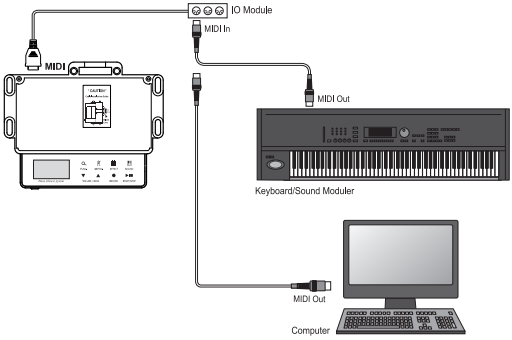


How to connect your FEURICH PREMIUM and other general MIDI device
(FEURICH PREMIUM has no MIDI Cable. It is option)

In order to send the MIDI message to other MIDI device, connect the MIDI cable from MIDI Out of the FEURICH PREMIUM to MIDI In of the other MIDI device.



In order to receive the MIDI message from other MIDI device, connect the MIDI cable from MIDI In of the FEURICH PREMIUM to MIDI Out of the MIDI device.



GM Program Chart

Piano

000	Piano 1	004	E.Piano 1
001	Piano 2	005	E.Piano 2
002	Piano 3	006	Harpsichord
003	Piano 4	007	Clavinet

Organ

016	Organ 1	020	Reed Organ
017	Organ 2	021	Accordion
018	Organ 3	022	Harmonica
019	Churh Organ	023	Bandneon

Bass

032	Acoustic Bs.2	036	Slap Bass 1
033	Fingered Bs	037	Slap Bass
034	Picked Bass	038	Synth Bass 1
035	Fretless Bs	039	Synth Bass 2

Ensemble

048	Strings 0	052	Chair Aahs
049	Slow Strings	053	Voice Oohs
050	Syn. Str 1	054	Synth Vox
051	Syb. Str 2	055	Ochestra Hit

Read

064	Soprano Sax	068	Oboe
066	Alto Sax	069	English Horn
067	Tenor Sax	070	Bassoon
067	Baritone Sax	071	Clarinet

Synth Lead

080	Square Wave	084	Charang
081	Saw Wave	085	Solo Box
082	Syn.Calliope	086	5th Saw Wave
083	Chiffer Lead	087	Bass & Lead

Synth SFX

096	Ice Rain	100	Brightness
097	Sondtrack	101	Goblin
098	Crystal	102	Echo Drops
099	Atmosphere	103	Synth Bass 2

Percussive

112	Tinkel Bell	116	Taiko
113	Agogo	117	Melo Tom
114	Steel Drums	118	Synth Drums
115	Woodblock	119	Reverse Cym

Chaomatic Percussin

008	Celesta	012	Marimba
009	Glockenspiel	013	Xylophone
010	Music Box	014	Tubular-bells
011	Vibraphon	015	Dulcimer

Guitar

024	Nylon-str.Gt	028	Muted Guitar
025	Steel-str.Gt	029	Overdrive Gt
026	Jazz Guitar	030	Distortion Gt
027	Clean Guitar	031	Gt.Harmonics

String / Orchestra

040	Violin	044	Tremolo Str
041	Viola	045	Pizzicato St
042	Cello	046	Harp
043	Contrabass	047	Timpani

Bass

056	Trumpet 1	060	French Horn
057	Trombone	061	Brass
058	Tuba	062	Synth Brass 1
059	Muted Trumpet	063	Synth Brass 2

Pipe

072	Piccolo	076	Bottle Blow
073	Flute	077	Shakuhachi
074	Recorder	078	Whistle
075	Pan Flute	079	Ocarina

Synth Pad etc.

088	Fantasia	092	Bowed Glass
089	Warm Pad	093	Metal pad
090	Polysynth	094	Halo Pad
091	Space Voice	095	Sweet Pad

Ethnic

104	Sitar	108	Kalima
105	Banjo	109	Bag Pipe
106	Shamisen	110	Fiddle
107	Koto	111	Shannai

SFX

120	Gt.FretNoise	124	Telephone
121	Breath Noise	125	Helicopter
122	Seashore	126	Applause
123	Bird	127	Gun Shot

216 Education Song (inclusive Sonatina 80 songs for Demo)

- Beyer Op.101, No.1 ~ Op.101, No.106 / Total 106 songs
- Czerny Op.849, No.1 ~ Op.849, No.30 / Total 30 songs
- Sonatina 80 songs

Sonatina List

1	So1 Attwood, Thomas – Sonatina in G 1st movement
2	So2 Attwood, Thomas – Sonatina in G 2nd movement
3	So3 Attwood, Thomas – Sonatina in G 3rd movement
4	So4 Attwood, Thomas – Sonatina in F 1st movement
5	So5 Attwood, Thomas – Sonatina in F 2nd movement
6	So6 Attwood, Thomas – Sonatina in F 3rd movement
7	So7 Beethoven, Ludwig van – Sonatina in G 1st movement
8	So8 Beethoven, Ludwig van – Sonatina in G 2nd movement
9	So9 Beethoven, Ludwig van – Sonatina F 1st movement
10	So10 Beethoven, Ludwig van – Sonatina F 2nd movement
11	So11 Beethoven, Ludwig Van – Sonata, Op.49, No.2 1st movement
12	So12 Beethoven, Ludwig Van – Sonata, Op.49, No.2 2nd movement
13	So13 Benda, Jiri Antonin – Sonatina in A Minor
14	So14 Biehl, Albert – Sonatina, Op.57, No.1 1st movement
15	So15 Biehl, Albert – Sonatina, Op.57, No.1 2nd movement
16	So16 Biehl, Albert – Sonatina in C
17	So17 Camidge, Matthew – Sonatina in D 1st movement
18	So18 Camidge, Matthew – Sonatina in D 2nd movement
19	So19 Clementi, Muzio – Sonatina, Op.36, No.1 1st movement
20	So20 Clementi, Muzio – Sonatina, Op.36, No.1 2nd movement
21	So21 Clementi, Muzio – Sonatina, Op.36, No.1 3rd movement
22	So22 Clementi, Muzio – Sonatina, Op.36, No.2 1st movement
23	So23 Clementi, Muzio – Sonatina, Op.36 No.2 2nd movement
24	So24 Clementi, Muzio – Sonatina, Op.36, No.2 3rd movement
25	So25 Clementi, Muzio – Sonatina, Op.36, No.3 1st movement
26	So26 Clementi, Muzio – Sonatina, Op.36, No.3 2nd movement
27	So27 Clementi, Muzio – Sonatina, Op.36, No.3 3rd movement
28	So28 Clementi, Muzio – Sonatina, Op.36, No.4 1st movement
29	So29 Clementi, Muzio – Sonatina, Op.36, No.4 2nd movement
30	So30 Clementi, Muzio – Sonatina, Op.36, No.4 3rd movement
31	So31 Clementi, Muzio – Sonatina, Op.36, No.6 1st movement
32	So32 Clementi, Muzio – Sonatina, Op.36, No.6 2nd movement
33	So33 Czerny, Carl – Sonatina, Op.792, No.8 1st movement
34	So34 Czerny, Carl – Sonatina, Op.792, No.8 2nd movement
35	So35 Czerny, Carl – Sonatina, Op.792, No.8 3rd movement
36	So36 Diabelli, Anton – Sonatina in F, 1st movement
37	So37 Duncombe, William – Sonatina in C
38	So38 Gurlitt, Cornelius – Sonatina in C, 1st movement
39	So39 Gurlitt, Cornelius – Sonatina, Op.36, No.6 1st movement
40	So40 Gurlitt, Cornelius – Sonatina, Op.36, No.6 2nd movement
41	So41 Gurlitt, Cornelius – Sonatina, Op.36, No.6 3rd movement
42	So42 Haslinger, Tobias – Sonatina in C 1st movement
43	So43 Haslinger, Tobias – Sonatina in C 2nd movement
44	So44 Haydn, Franz Joseph – Sonata, Hob.XVI/13, 3rd movement
45	So45 Keller, Oswin – Sonatina
46	So46 Kuhlau, Friedrich – Sonatina, Op.55, No.1 1st movement
47	So47 Kuhlau, Friedrich – Sonatina, Op.55, No.1 2nd movement
48	So48 Kuhlau, Friedrich – Sonatina, Op.55, No.3 1st movement
49	So49 Kuhlau, Friedrich – Sonatina, Op.55, No.3 2nd movement
50	So50 Kuhlau, Friedrich – Sonatina, Op.20, No.1 1st movement
51	So51 Kuhlau, Friedrich – Sonatina, Op.20, No.1 2nd movement
52	So52 Kuhlau, Friedrich – Sonatina, Op.20, No.1 3rd movement
53	So53 Kuhlau, Friedrich – Sonatina, Op.88, No.1 1st movement
54	So54 Kuhlau, Friedrich – Sonatina, Op.88, No.1 2nd movement
55	So55 Kuhlau, Friedrich – Sonatina, Op.88, No.1 3rd movement
56	So56 Kuhlau, Friedrich – Sonatina, Op.88, No.3, 3rd movement
57	So57 Latour, Jean Theodore – Sonatina in C, 1st movement
58	So58 Latour, Jean Theodore – Sonatina in G 1st movement
59	So59 Latour, Jean Theodore – Sonatina in G 2nd movement
60	So60 Latour, Jean Theodore – Sonatina in G 3rd movement
61	So61 Latour, Jean Theodore – Sonatina in G 1st variations
62	So62 Latour, Jean Theodore – Sonatina in G 2nd variations
63	So63 Lichner, Heinrich – Sonatina, Op.49, No.1 1st movement
64	So64 Lichner, Heinrich – Sonatina, Op.49, No.1 2nd movement
65	So65 Lichner, Heinrich – Sonatina, Op.49, No.1 3rd movement
66	So66 Lynes, Frank – Sonatina, Op.39, No.1 1st movement
67	So67 Lynes, Frank – Sonatina, Op.39, No.1 2nd movement
68	So68 Lynes, Frank – Sonatina, Op.39, No.1 3rd movement
69	So69 Mozart, Wolfgang Amadeus – Sonatina in C 1st movement
70	So70 Mozart, Wolfgang Amadeus – Sonatina in C 2nd movement
71	So71 Mozart, Wolfgang Amadeus – Sonata, K.545 1st movement
72	So72 Mozart, Wolfgang Amadeus – Sonata, K.545 2nd movement
73	So73 Mozart, Wolfgang Amadeus – Sonata, K.545 3rd movement
74	So74 Mozart – Sonata in A Major, K.331, 3rd movement: Rondo a la Turk
75	So75 Saliutrinskaya, Tat' iana – Sonatina in D
76	So76 Spindler, Fritz – Sonatina,Op.157, No.1 1st movement
77	So77 Spindler, Fritz – Sonatina,Op.157, No.1 2nd movement
78	So78 Spindler, Fritz – Sonatina,Op.157, No.4 1st movement
79	So79 Spindler, Fritz – Sonatina,Op.157, No.4 2nd movement
80	So80 Wesley, Samuel – Sonatina, Op.4, No.10

Drum Chart

NO.	Standard Set
27 D#1	High Q
28 E1	Slap
29 F1	Stratch Push
30 F#1	Stratch Pull
31 G1	Sticks
32 G#1	Square Click
33 A1	Metronome Click
34 A#1	Metronome Bell
35 B1	Bass Drum 2(Acoust)
36 C2	Bass Drum 1(Rock)
37 C#2	Side Stick
38 D2	Snare Drum 1
39 D#2	Hard Clap
40 E2	Snare Drum 2
41 F2	Low Floor Tom
42 F#2	Closed Hi Hat(EXC1)
43 G2	High Floor Tom
44 G#2	Peadal HiHat(EXC1)
45 A2	Low Tom
46 A#2	Open HiHat(EXC1)
47 B2	LowMid Tom
48 C3	Hi Mid Tom
49 C#3	Crash Cymbal 1
50 D3	High Tom
51 D#3	Ride Cymbal 1
52 E3	Chines Cymbal
53 F3	Ride Bell
54 F#3	Tambourine
55 G3	Splash Cymbal
56 G#3	Cowbell
57 A3	Crash Cymbal 2

NO.	Standard Set
58 A#3	Vibraslap
59 B3	Ride Cymbal 2
60 C4	Hi Bongo
61 C#4	Lo Bongo
62 D4	Mute Hi Conga
63 D #4	Open Hi Conga
64 E4	Low Conga
65 F4	High Timbale
66 F#4	Low Timbal
67 G4	High Agogo
68 G#4	Low Agogo
69 A4	Cabasa
70 A#4	Maracas
71 B4	ShortWhistle(EXC2)
72 C5	Long Whistle(EXC2)
73 C#5	Short Guiro(EXC3)
74 D5	Long Guiro(EXC3)
75 D#5	Claves
76 E5	Hi Wood Block
77 F5	Low Wood Block
78 F#5	Mute Cuica(EXC4)
79 G5	Open Cuica(EXC4)
80 G#5	MuteTriangle(EXC5)
81 A5	OpenTriangle(EXC5)
82 A#5	Shaker
83 B5	Jingle Bell
84 C6	Belltree
85 C#6	Castanets
86 D6	Mute Surdo(EXC6)
87 D#6	Open Surdo(EXC6)
88 E6	

MIDI Implementation Chart

Function		Transmitted	Received	Remark
MIDI Channels		1 ~ 16	1 ~ 16	
Mode		X	3	
Note Number		21 ~ 108	0 ~ 127	
Velocity				
Note On		9n, V = 127	9n, V = 127	
Note Off		9n, V = 0	8n, V = 0 ~ 127	
Key Aftertouch		X	X	
Channel Aftertouch		X	O	
Pitch Bend		X	O	+-2 Octave Pitch Band Sensitivity recognized
Control Change	0, 32	X	O	Bank Sesect
	1	X	O	Modulation
	6, 38	X	O	Data Entry
	7	X	O	Main Volume
	10	X	O	Pan
	11	X	O	Expression
	64	O	O	Damper Pedal
	67	O	O	Soft Pedal
	91	X	O	Reverb Depth
	93	X	O	Chorus Depth
	98	X	O	NRPN LSB
	99	X	O	NRPN MSB
	100	X	O	RPN LAB
	101	X	O	RPN MSB
	120	X	O	All Sound Off
	121	X	O	Reset All Controllers
	123	X	O	All Note Off
Programme Change		X	O (0 ~ 127)	

Note :

1. Default Pitch Bend = 1 Semitone
2. Mode 1 : OMNI On, Poly
3. Mode 2 : OMNI Off, Poly

Channel / Parameter	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Patch (Sound)										Drum						
Volume																
Reverb (Depth)																
Chorus (Depth)																
Transpose																
Key Low																
Key High																
PAN																
Velocity Low																
Velocity High																
Velocity Shift																
Velocity (Enable,Disable)																
Left Pedal																
Smart Pedal																
Poly Mode																
Reverb Type																
Chorus Type																
Velocity Curve																
Pitch																
Cut off frequency																
Resonance																
Title																

Specifications

Item			Description
Silent Mechanism			Universal Mute Rail by Manual Lever
Sensor Keyboard			Reflector Type Photo Sensor System
Velocity			127 Level
Touch Response			5 Curves
Sensitivity of each Keys			Individual Adjustment Range from 000 to 256
Sensor Pedal			Sustain, Soft (Grand : + Sostenuto)
Sounds			17 Pre-Set + 16 User-Set, 128 GM Sounds
Sounds Memory			384 Mb
Polyphony			128 Poly
Transpose			+-24 Semitone
Effect	Reverb	Type	8
		Range	000 ~ 127
	Chorus	Type	8
		Range	000 ~ 127
Pitch	Standard		440 Hz
	Range		438 ~ 445 Hz (1 Hz)
Metronome	Tempo		25 ~ 250
	Type		21 Type
	Volume		0 ~ 9
Demonstration Song			80 Songs (Sonatina 1,2,3),
			Download more from Website in the future.
Record and Playback			4 Tracks (Approx. 40,000 Notes Each)
Display			128 x 64 LCD Display
Headphone Jack			1/8" x 2 Jacks
USB MIDI INTERFACE			Built in MIDI INTERFACE (Connecting to Computer)
USB Host			Connecting to USB Memory
MIDI Port			Input / Out / Thru (Extra Option : MIDI I/O Module)
Audio			In/Out (Stereo)
Power Supply x 2			Input : AC 100 ~ 240V, Output : DC 12V, 1~3A
(Control & Nain Unit)			(Connect to just 'ONE' DC Jack from Control OR Main Unit)
Dimension of Control Unit			121 x 18 x 67 mm (W x H x D)
Education Mode			216 Songs
			Download more from Website in the future.
			(Bayer 106 + Czerny 30+ Sonarina 80)
Grand Piano Installation			Available
Remark			

* For Grand Piano : Universal Mute Rail by Auto Lever, controlled from the Control Unit
  Sustain, Sostenuto, Soft Pedal Sensors
* Above specifications are subject to change without notice.

Trouble Shooting

Phenomenon	Possible cause and Trouble shooting
No Power	Check if AC plug is connected to the outlet. Check if DC plug is connected well to the DC Jack of the Main unit or Control unit. Check if you are using the another power supply that is out of spec of FEURICH PREMIUM.
No Sound	Check if headphone is connected correctly. Check if volume is lower position. Check if bar graph is moving when you strike the keys. -If bar graph is not moving correctly then check the cable between main unit and key sensor rail. -If cable is all right, then please do the initializing procedure.
Some key does not work	Please do the initializing procedure as instructed on User's Guide. (P25)
Some key is louder or softer than other key.	Please do the sensitivity of FEURICH PREMIUM even you did initializing procedure as instructed on User's Guide. (P26)
Noisy Sound	Check the headphone if there is particle inside of the ear-pad.

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