

QuietTime[®]

ProRecord XI

User Guide

PianoDisc



Features of ProRecord XI

High quality sound

ProRecord XI uses a high performance D/A converter found in high-end audio equipment, and is able to reproduce complex and rich sounds produced by strings, dampers, frames, soundboards, etc.

More accurate record and playback

ProRecord XI is able to record and play volume from mezzo-forte to fortissimo 25% more detailed than before (compared to ProRecord X).

Have fun playing with our dedicated app

Use the dedicated app to enjoy several useful functions.

- Various operations can be performed easily and with better visibility on our app.
- Recorded performance data can be shared.
- You can use useful functions such as equalizer and tuning.

Contents

Get Ready

Names and functions	6
Turn on the power	8
Adjust the volume	9
Connect with dedicated app	9

Let's Play

How to mute the piano	12
Playing demo songs	13
Selecting an instrument	14
User preset	16
Recording & Playback	18
Recording	18
Playback	19
Change the playback tempo of a recorded song	20
Erase a recorded song	21
Metronome	23

More to Enjoy

Effects	26
Transpose	27
Equalizer	28
Tuning	29
Transfer recorded data	30
Transfer from ProRecord XI to a smart device	30
Transfer from a smart device to ProRecord XI	31
Data sharing	32
Connect to other devices	34

Advanced Settings

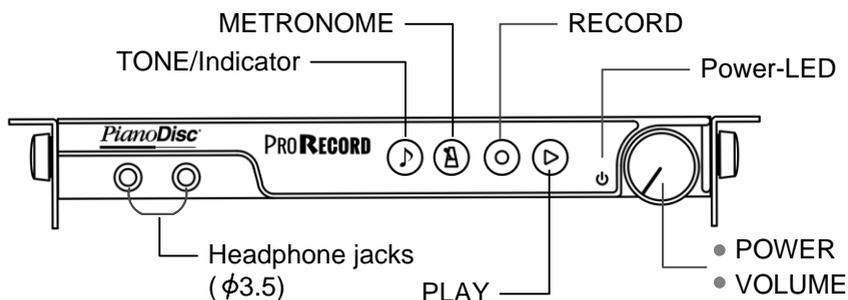
Touch Control	36
Black Keys Volume Control	37
Individual Keys Volume Control	38
Adjust Key Sensing Range	40
Note Repeat Limit	41
Pedal Positioning	42
Adjusting the Depth	42
Damper Pedal Function	43
Soft Pedal Effect Intensity	44
Tuning Curve	45
Operation Panel Brightness	46
Auto Power Off	46
Initialization (Reset to Factory Defaults)	47
Initialization (Sensor Calibration)	48

Appendix

Maintenance	52
Q&A	53
Troubleshooting	54
Demo Song List / Instrument List	56
MIDI Implementation Chart	57
Specifications	58

Names and functions

Control box (front)



POWER/VOLUME

Combined knob for switching ProRecord XI on/off as well as volume control.

Power-LED

Illuminated when the system is switched on. Blinks when there is an active Bluetooth connection.

Headphone jacks (φ 3.5 stereo)

You can connect two stereo headphones using the mini jacks at the same time, allowing you to share your playing with someone else.

Note If you plug headphones into the left side, the LINE OUT will be muted.

TONE/Indicator

Press to select an instrument.

Used to select one of the Factory Preset or User Preset Sounds.

Blinks when changing an instrument or MIDI data is transferring.

METRONOME

Press to start and stop the metronome, as well as setting the metronome.

Illuminates when the metronome is active (blinks when metronome is being set).

PLAY

Start/Stop playback.

Illuminates when the system is playing a recording.

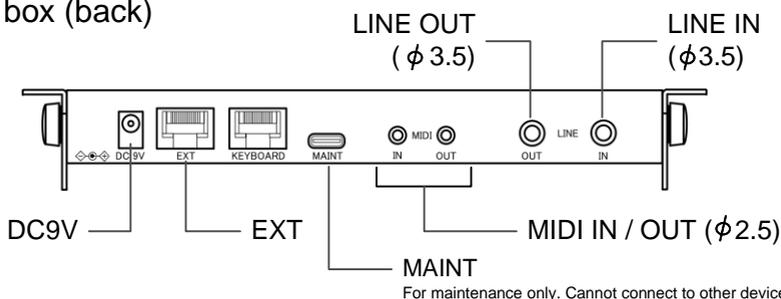
RECORD

Start/Stop recording.

Illuminates when the system is playing a recorded song (blinks when playing demo songs).

Names and functions

Control box (back)



DC9V

Connector for the power supply

LINE OUT (φ3.5 stereo)

3.5mm stereo jack for external audio equipment.

You can adjust the volume on the front of the Control box with the power/volume knob.

LINE IN (φ3.5 stereo)

Connect to the output terminals of other electronic musical instruments or audio equipment. LINE IN is mixed with the sound played on the piano, and can be heard with headphones.

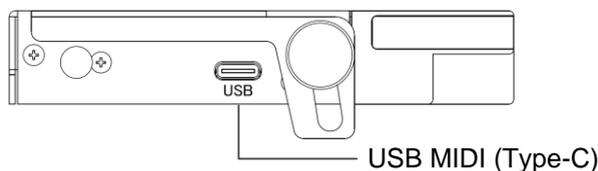
MIDI IN / OUT (φ2.5)

Used for connecting to an external MIDI device.

EXT

For connecting to a Prodigy II system. This connector contains a MIDI interface and power input from a compatible external system. Please see the Prodigy II User Guide for more details on how to connect ProRecord XI to Prodigy II.

Control box (side)



USB MIDI (Type-C)

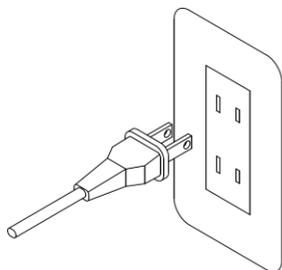
Used to connect to a computer or other USB devices.

USB Type-C to USB A

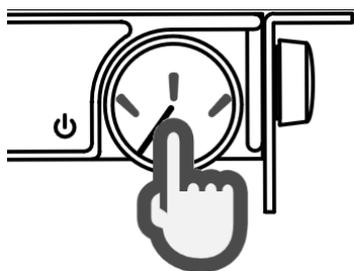
USB Type-C to USB Type-C

} These cables are available.

Turn on the power



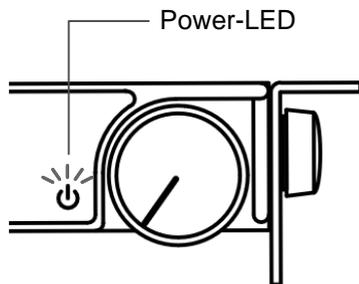
- 1 Connect the adapter to an electrical outlet.



- 2 Press the power knob.

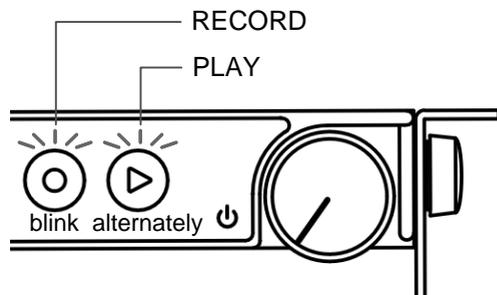
Warning

Do not press any keys or pedals when turning on the power.



- 3 Power-LED lights up.

Other buttons will light up dimly.

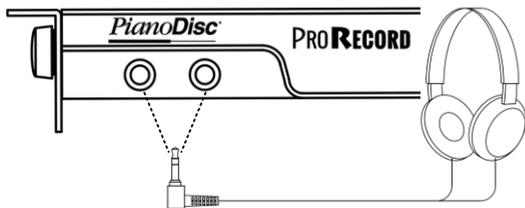


Note

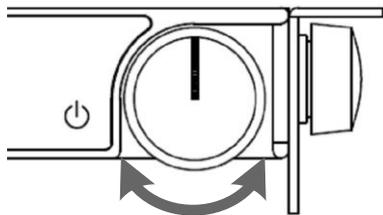
When RECORD and PLAY buttons blink alternately.

This indicates that ProRecord XI is in the initial setting state, please perform the initialization operation (page 48).

Adjust the volume



Connect headphones to the headphone jack.



volume high volume low

Adjust the volume with the volume knob. Turning clockwise increases the volume, turning counterclockwise decreases the volume. Adjust the volume while playing the keyboard to produce sound.

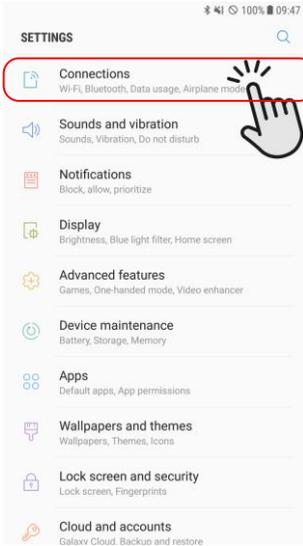
Connect with dedicated app

- 1 Install the dedicated app "ProRecord XI"

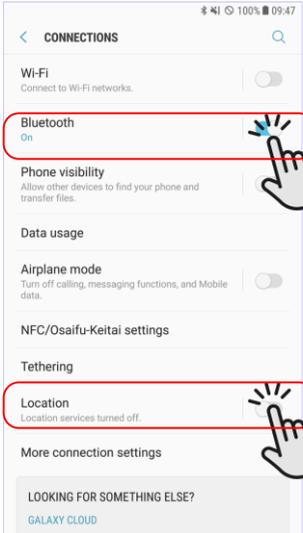
Connect with dedicated app

2 Switch on Bluetooth in your device.

Android



Tap "Connections" on the setting screen



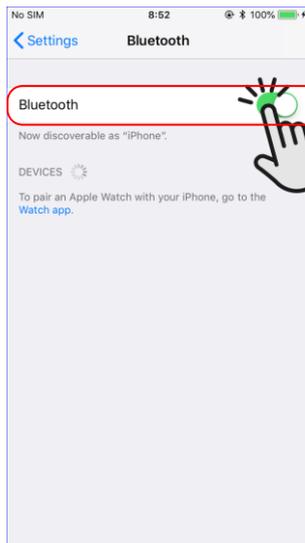
Turn on "Bluetooth"

Turn on "Location"

iOS



Tap "Bluetooth" from the setting screen



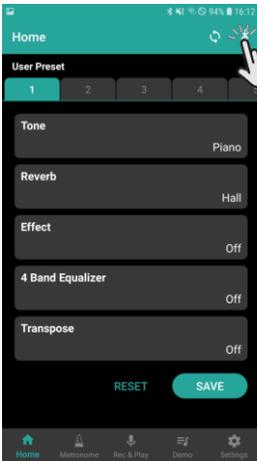
Turn on "Bluetooth"

Connect with dedicated app

3 Tap the "ProRecord XI" icon to start the app.

Android

When you start up for the first time, a screen for permission to access location information will be displayed, please tap "Allow".



Tap the Bluetooth mark in the upper right



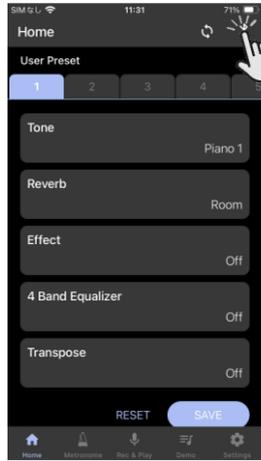
Tap "ProRecord XI". And tap OK when "Connected" is displayed

When the connection is completed, the power LED on the ProRecord XI control box will start to blink.

INFO

The app requires access to "location information" for the Bluetooth connection and "storage" access for recording and playback, However, location information is not used within the app.

iOS



Tap the Bluetooth mark in the upper right



Tap "Not Connected"

When the connection is completed, the display changes to "Connected" and the power LED on the ProRecord XI control box will start to blink.

How to mute the piano

1 Activate the mute rail.

Playing with the mute lever active

No sound will come out of the piano.

When you release the mute lever, you will be able to play the piano normally.

Please enjoy playing with headphones.

When you start playing, piano sound will be outputted to the headphones.

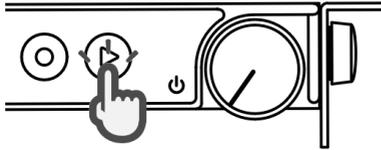
Let's Play

2

Playing demo songs

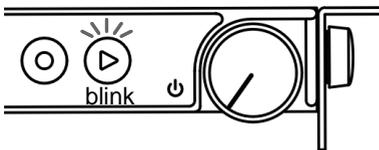
1 Start demo song playback

Press the PLAY-button for about 2 seconds.



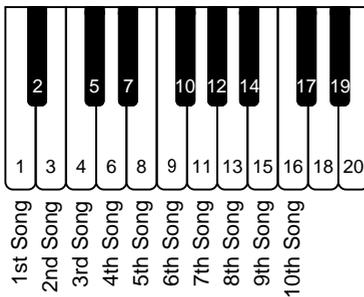
Long press (about 2 seconds)

2 The PLAY-LED will blink and playback of the first demo song will begin.



You can select songs by pressing the following keys during the demo playing.

Left Side of the keyboard



You can play the keyboard while the demo is playing. This can be done by pressing any key other than the song selection keys.

Note

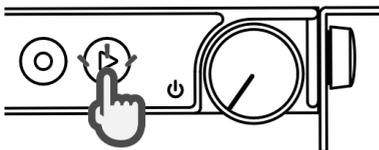
Once you play any key other than a song selection key, the song selection function will be turned off. If you want to select a demo song again, perform steps 3 and 1.

Note

When it is illuminated without blinking

⇒ The recorded song is playing, an additional longer press is required.

3 Stop demo song playback



Press the PLAY-button again to stop the demo song playback.

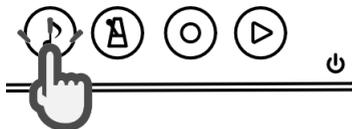
Selecting an instrument

There are three selection methods.

(1) Using the TONE-button

Choose from 8 instrument sounds

1 Press the TONE-button



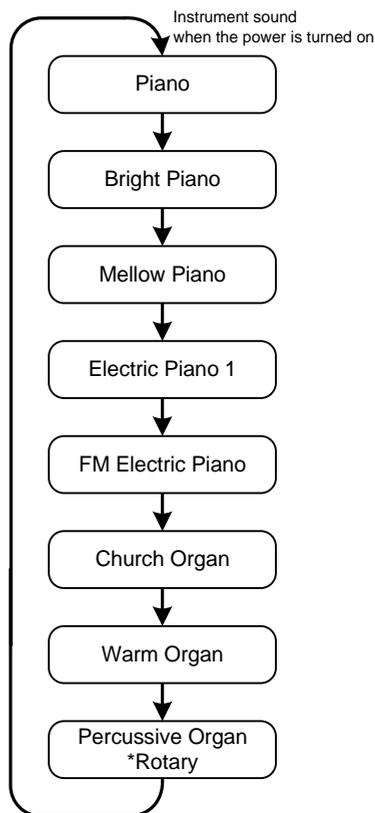
Pressing the button repeatedly switches between the sounds in the order shown on the right.

*Some instrument sounds have effects as standard settings.

Note

For sounds with a rotary effect, the pedal functions as follows.

- Right Pedal
Switches the speed of the rotary effect.
Slow ↔ Fast
If the rotary is stopped, it becomes a switch to restart.
- Left Pedal
Stops the rotary effect.



(2) Using the dedicated app

Use the dedicated app to choose from 128 instrument sounds.

Click "Sound" on the "HOME" tab screen and select the instrument sound you would like to use.

You can also change the instrument assignment of the preset function (the function to switch instruments by pressing the TONE-button).

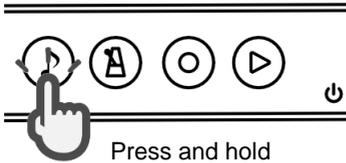
See User Preset on page 16 for more information.

Selecting an instrument

(3) Using the TONE-button and the piano keys

Choose from 88 tones

1 Press and hold the TONE-button.



2 Press the piano key that corresponds to the instrument sound you would like to select.

1	Piano
2	Bright Piano
3	Mellow Piano
4	Piano + Strings
5	Piano + Chorus
6	Bright Piano + Synth
7	Electric Piano 1
8	FM Electric Piano
9	Harpsichord
10	Church Organ
11	Warm Organ
12	Percussive Organ
13	Electric Piano 2
14	Honky-tonk Piano
15	Electric Piano 3
16	Clavinet
17	Celesta
18	Glockenspiel
19	Music Box
20	Vibraphone
21	Santur
22	Drawbar Organ 1
23	Drawbar Organ 2
24	Rock Organ
25	Small Church Organ
26	Reed Organ
27	French Accordion
28	Harmonica
29	Bandoneon
30	Acoustic Guitar (nylon)
31	Acoustic Guitar (Steel)
32	Electric Guitar (jazz)
33	Chorus Guitar
34	Overdrive Guitar
35	Distortion Guitar
36	Acoustic Bass
37	Finger Electric Bass
38	Slap Bass
39	Synth Bass
40	Violin
41	Cello
42	Tremolo Strings
43	Harp
44	Strings

45	Slow Strings
46	Strings + Horn
47	Synth Strings
48	Choir
49	Choir 2
50	Synth Voice
51	Trumpet
52	Trombone
53	Tuba
54	French Horn
55	Brass + Trumpet
56	Synth Brass 1
57	Synth Brass 2
58	Synth Brass 3
59	Synth Brass 4
60	Soprano Sax
61	Alto Sax
62	Tenor Sax
63	Baritone Sax
64	English Horn
65	Bassoon
66	Clarinet
67	Piccolo
68	Flute
69	Recorder
70	Pan Flute
71	Ocarina
72	Synth Lead 2 (sawtooth)
73	Synth Lead 5 (charango)
74	Synth Lead 6 (voice)
75	Synth Lead 8 (bass + lead)
76	Synth Pad 2 (warm)
77	Synth Pad 3 (polysynth)
78	Synth Pad 4 (choir)
79	Synth Pad 5 (bowed)
80	Synth Pad 7 (halo)
81	FX 3 (crystal)
82	FX 4 (atmosphere)
83	FX 5 (brightness)
84	FX 7 (echo)
85	Sitar
86	Koto
87	Bagpipe
88	Steel Drums

3 Release the piano key and the TONE-button.

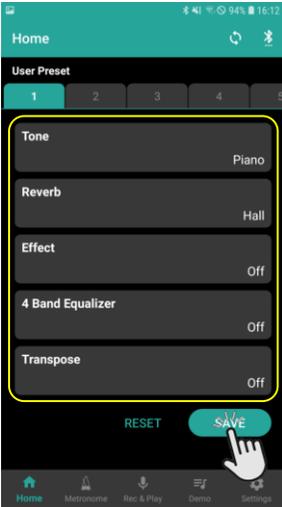
The last selected instrument sound will be set.

User preset

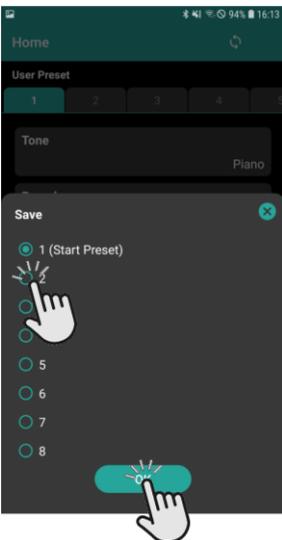
You can save your favorite settings (combinations of instrument and effects) in ProRecord XI. Simply select a saved user preset with the TONE-button or the app and you can start playing with your favorite settings. This save function can be used with either a dedicated app or Control box button press.

(1) Using the dedicated app

Android

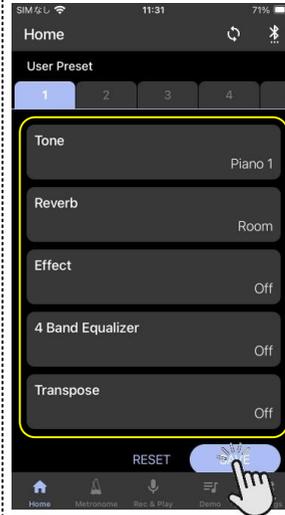


After changing various functions, tap SAVE.

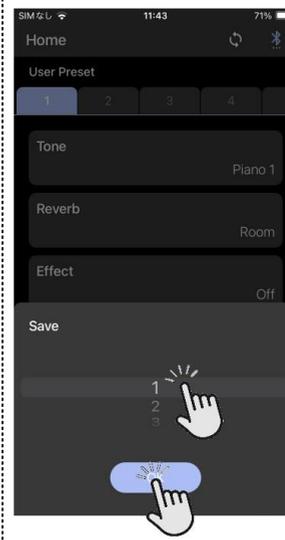


After selecting the preset number you want to save, tap OK.

iOS



After changing various functions, tap SAVE.



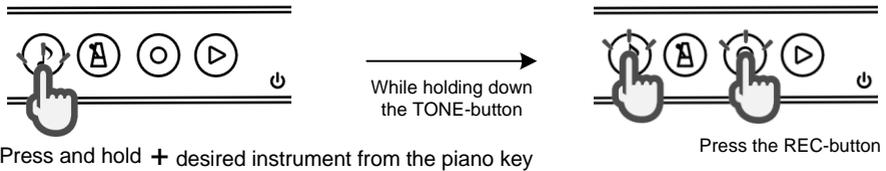
After selecting the preset number you want to save, tap OK.

Let's Play

User preset

(2) Preset settings using button operations

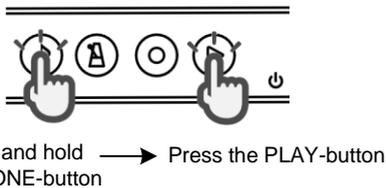
- 1 Select the instrument you want to replace using the TONE-button. (see page 14)
- 2 While holding down the TONE-button, select the desired instrument from the corresponding piano key, then press the REC-button without releasing the TONE-button.



- 3 Release the TONE-button

(3) Return individual preset to the default

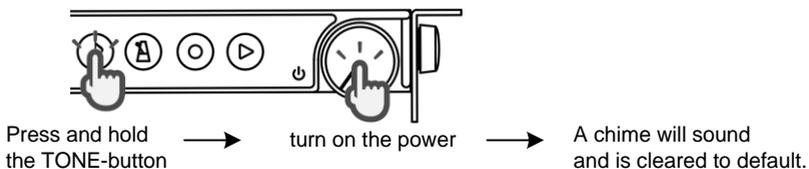
- 1 Select the instrument you want to return to the default using the TONE-button. (see 14 page)
- 2 Press and hold the TONE-button and press the PLAY-button.



- 3 Release the TONE-button

(4) Return all presets to the default

- 1 Turn off the power.
- 2 Press and hold the TONE-button and press the PLAY-button.



Recording & Playback

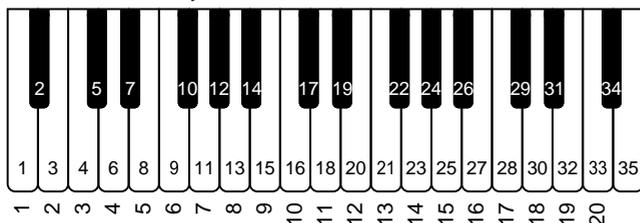
Up to 20 songs can be recorded and played back on ProRecord XI. This feature is useful for one-person duets and repeated practice.

(1) Recording

1 Start recording

Press the RECORD-button while holding down the piano key that corresponds to the memory area that you would like to use for recording.

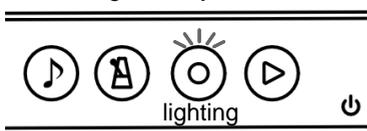
Left Side of the keyboard



Hold down one key and press the RECORD-button

2 Play the piano

Recording is ready when the RECORD-button lights up.



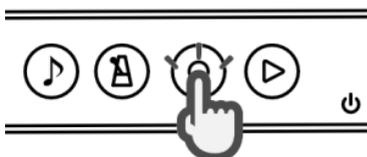
Note

If you perform a new recording operation on a memory area that has already been recorded, the previous recording will be overwritten and deleted.

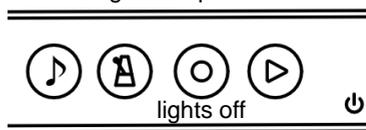
Recording will start when you play the first note or press a pedal.

3 End the recording

Press the RECORD-button



The RECORD-button turns off and recording is complete.



Note

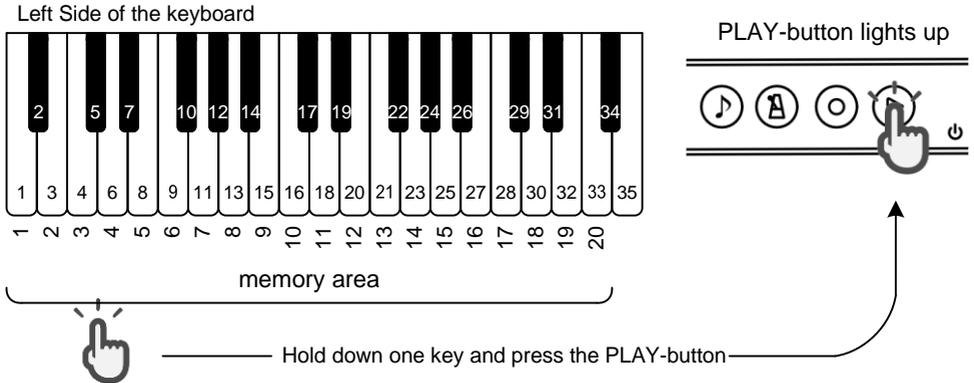
When the memory is full the recording will stop automatically.

Recording & Playback

(2) Playback

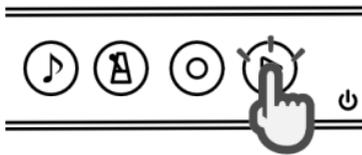
1 Start Playback

Press the PLAY-button while holding down the piano key that corresponds to the memory area you would like to use for playback.

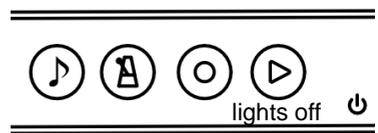


2 Stop Playback

Press the PLAY-button



The PLAY-button light turns off.



Note

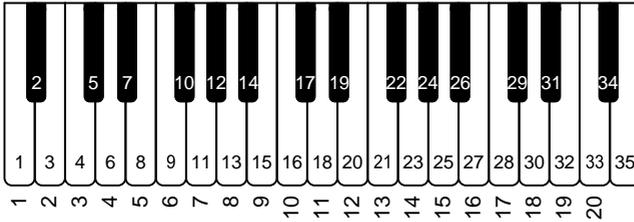
If you press a key other than the keys assigned to the memory area or the change the playback tempo function on the next page during playback, you will be able to play the piano on all keys.

Recording & Playback

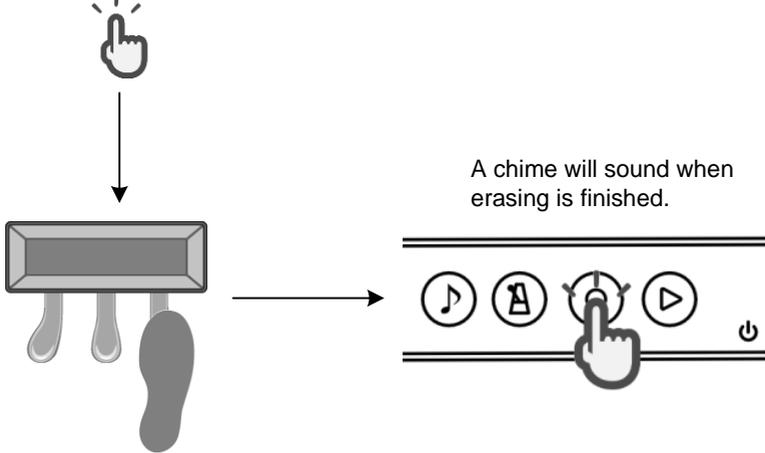
(4) Erase a recorded song

Press and hold the damper pedal and memory area that you want to erase, then press the RECORD-button.

Left Side of the keyboard



memory area



Press and Hold the memory area that you want to erase, press and hold the damper pedal, and then press the RECORD-button.

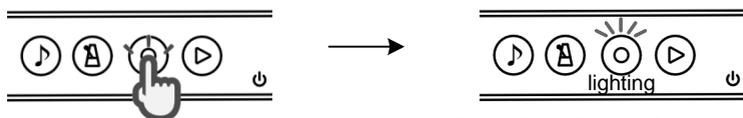
Recording & Playback

Advice

● Quickly record to memory area 1

Simply press the RECORD-button.

Recording is ready when the RECORD-button lights up.



Recording will start when you play the first note or press a pedal.

Warning

Any previous recording in memory area 1 will be overwritten by the new recording.

● Quickly playback of memory area 1

Just press the PLAY-button.

PLAY-button lights up

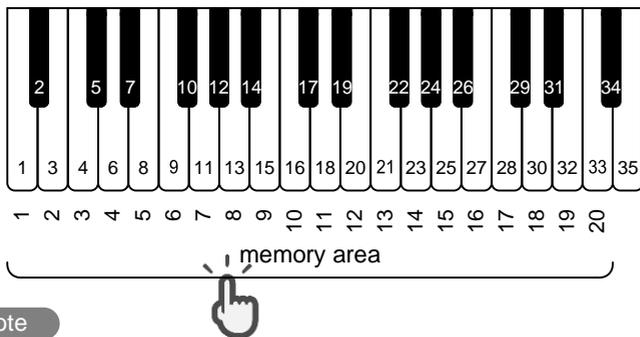


Playback after about 1 second

● Select songs during playback

You can select a recorded song by pressing the key corresponding to the memory area during playback.

Left Side of the keyboard



Note

If you press a key other than the keys assigned to the memory area or the change the playback tempo function on the page 19 during playback, you will be able to play the piano on all keys. However, in this state, you will not be able to select a recorded song or change the playback tempo.

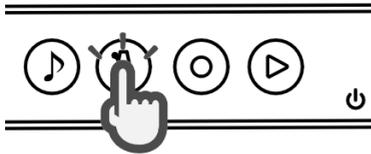
⇒ If you want to select a recorded song from this state, stop playback and start from Step 1 again.

Metronome

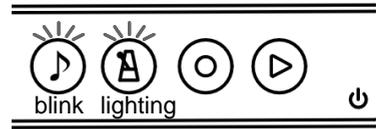
You can set functions such as ON/OFF for the metronome sound, beat, tempo, and volume.

(1) Metronome ON/OFF

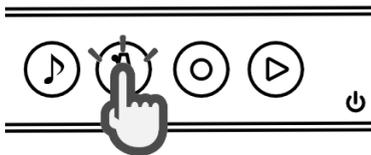
1 Press the METRONOME-button



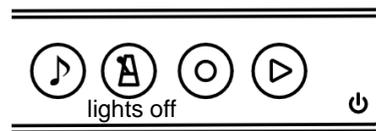
The METRONOME-button will light up and the metronome sound will start. The indicator will also blink.



2 Press the METRONOME-button again

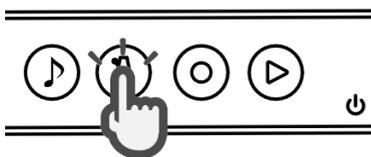


The METRONOME-button lights off, and the metronome stops.

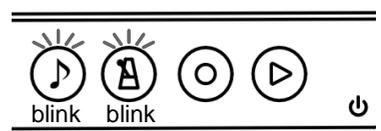


(2) Metronome setting

1 Press the METRONOME-button for about 2 seconds.



The METRONOME-button will blink and the metronome sound will start. The indicator will also blink.



Long press (about 2 seconds)

Note

When it lights up without blinking

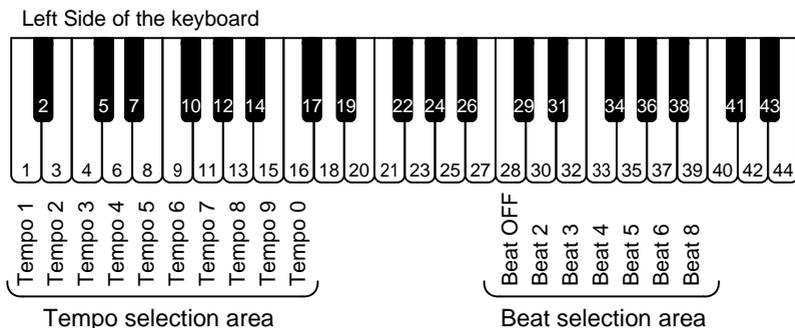
⇒ No metronome mode is set, additional longer press is required.

Metronome

(2) Metronome setting (continued from previous page)

2 Setting the beat, tempo, and volume

Press the corresponding key in the following figure to set.



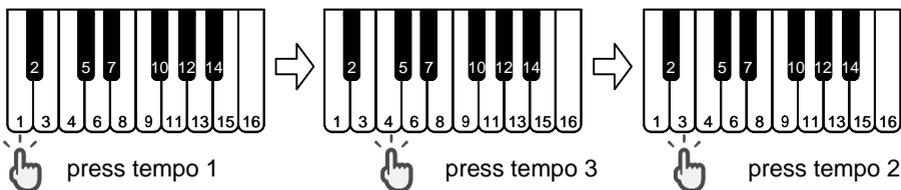
● Beat

Press the key that you want to set from the Beat selection area.

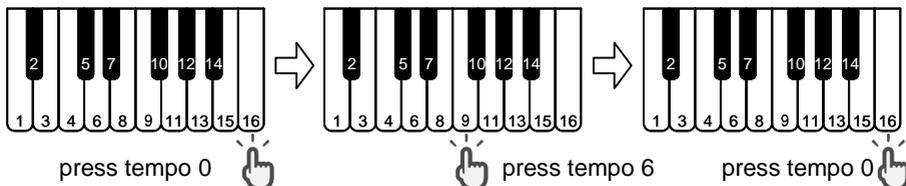
● Tempo

Press the key that you want to set from the Tempo selection area 3 times. The range which can be set is 30 to 250.

example 1 : set the tempo to 132



example 2 : set the tempo to 60



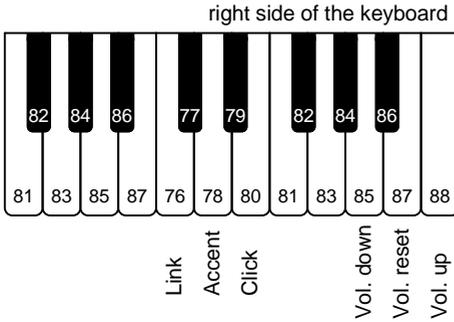
Note

During tempo selection, it is not possible to choose a value outside the range.

Metronome

● Volume

Adjust the volume of the metronome in the following figure. Volume level is 10 steps.

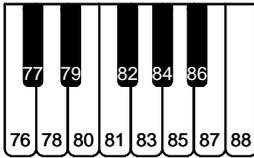


Link	Change accent and click volume simultaneously
Accent	Change accent volume only
Click	Change click volume only
Vol. down	Decrease the volume by one step
Vol. up	Increase volume by one step
Vol. reset	Return to default volume

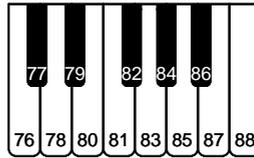
Note

If you press the "Link" key when the accent and click volumes are different, the accent and click volume will be changed to the lower one (they will be the same volume).

Volume change procedure



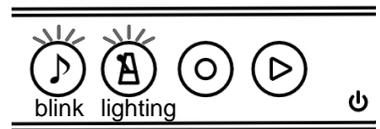
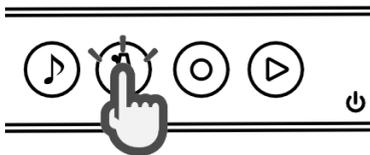
Choose between Link, Accent, or Click



Select volume up, down, or reset

3 Press the METRONOME-button to complete the setting

The METRONOME-button will illuminate and the setting is complete.



The metronome sound continues.

⇒ To stop the metronome, press the METRONOME-button again.

Note

The settings are registered even if the power is turned off.

Effects

You can setup the following effects.

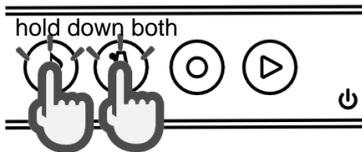
Effect type		Content of effect	setting range
Reverb	Room	Reverberation when playing indoors	1 - 12
	Hall	Reverberation when playing in a concert hall	
Chorus		Effects that add fluctuation to the sound	1 - 12
Rotary		Effects of rotary speaker	
Delay		Effects that add echoes	1 - 12

Note

- Multiple chorus/rotary/delay effects cannot be applied simultaneously.
- When the power is turned off, the settings will return to their initial values. If you want to save the settings, use the user preset function (page 16).

1 Start "Effects" setting

Press the METORONOME-button while holding down the TONE-button. A chime will sound to indicate that the "Effects" setting mode has been entered.



Note

Proceed to the next step while holding down both buttons.

2 Choose an effect type

Select the effect by selecting reverb or other effects as shown in the figure on the next page. If you choose "Rotary", you will not be able to select a level in the next step.

It is reset to the initial value by pressing the ★ marked key (key 88). Transpose will also reset.

3 Choose a level (strength of effect)

If you selected an effect other than rotary, select the Level in the figure on the next page.

4 Release the two buttons to finish choosing the setting

Note

For sounds with a rotary effect, the pedal functions as follows.

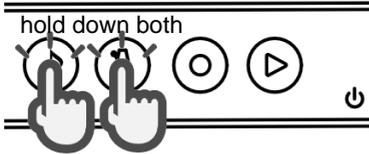
- Damper Pedal
Switches between Slow ↔ Fast, and restarts the rotary when the rotary is stopped by the soft pedal.
- Soft Pedal
Rotary stop (Semi-Off). During Semi-Off, pressing the Damper Pedal resumes at the same speed before Semi-Off.

Transpose

You can setup the transpose function per semitone. The range is 2 octaves.

1 Start the "Transpose" setting

Press the METORONOME-button while holding down the TONE-button.
A chime will sound to indicate that the "Transpose" mode has been entered.



Note

Proceed to the next step while holding down both buttons.

2 Change key

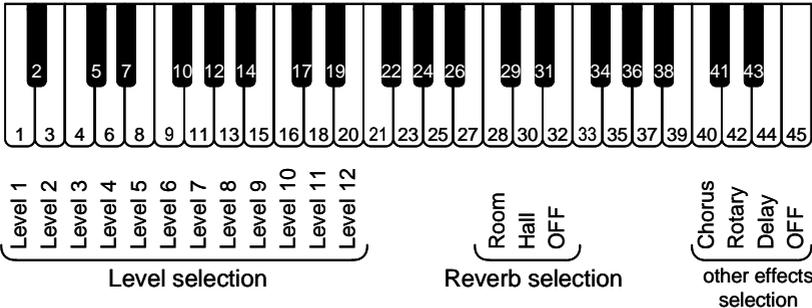
Press your favorite setup from "Semitone -", "Semitone +", and "Normal (Reset)" of the following figure. Each press transposes by a semitone.

Note

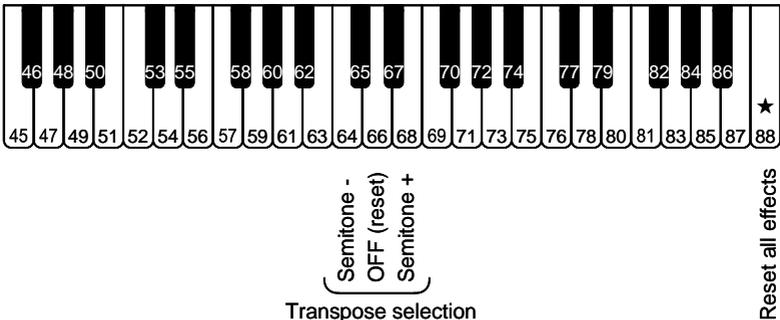
The transpose setting is not reflected in USB MIDI out.

3 Release the two buttons to finish choosing the setting

Left Side of the keyboard



right side of the keyboard

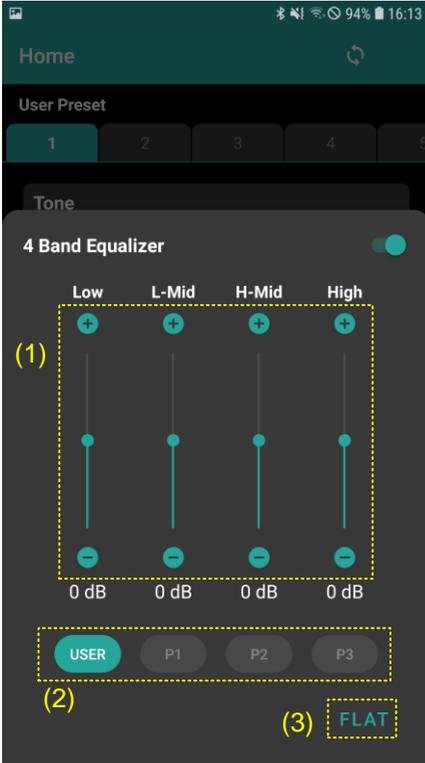


Equalizer

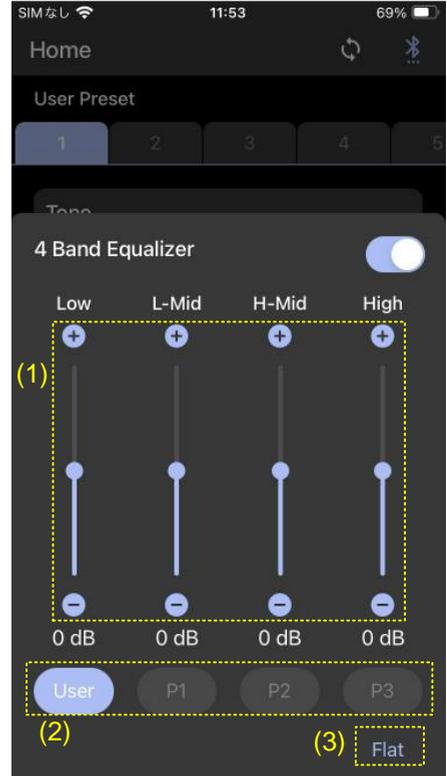
You can change the timbre of the piano.
This feature is only available on the dedicated app.

< Equalizer setting screen >

Android



iOS



- (1) User edit uses the "+" and "-" buttons, as well as the slider to adjust levels.
- (2) Select User edit or one of 3 presets
- (3) Set each level flat

Note

Equalizer settings apply to the currently selected sound.
When the power is turned off, the setting value returns to FLAT.
If you want to save your settings, please use the User Presets feature (page 16).

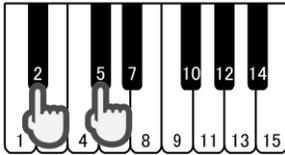
Tuning

You can adjust the pitch of the sound. The value can be changed in 0.5 Hz increments between 427.0Hz and 453.0Hz. The factory default is "Key 49 = 440Hz".

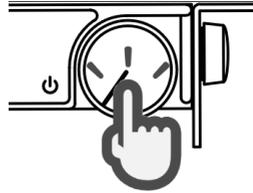
1 Start "Tuning" setting

Turn on the power while holding down two keys (Key 2 and Key 5). A chime will sound to indicate that the "Tuning" setting has been entered. Proceed to the next step while holding down both keys.

Left Side of the keyboard



Turn on the power while holding down both keys



2 Adjust the tuning

Select your favorite setup from "-0.5Hz" key (Key 47) or "+0.5Hz" Key (Key 51) of the following figure. Check the pitch by pressing the ● marked key (Key 49).

The "+0.5Hz" key is 0.5Hz higher for each key press (maximum 453Hz)

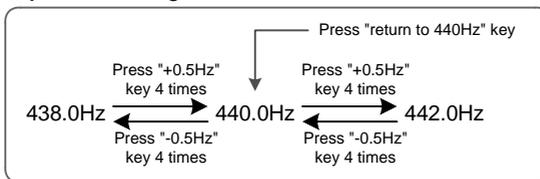
The "-0.5Hz" key is 0.5Hz lower for each key press (minimum 427Hz)

Left Side of the keyboard



Hold down keys 2 and 5

Adjustment image



3 Release the two keys to complete the setting selection

When you have finished making adjustments, release the two keys to set the adjusted pitch. The settings are registered even if the power is turned off.

Transfer recorded data

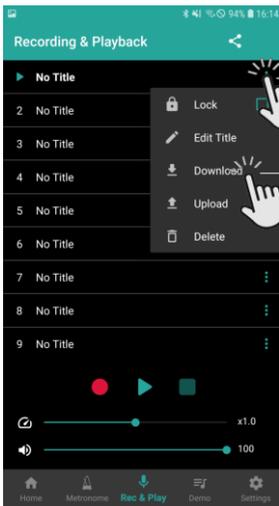
You can transfer data recorded on ProRecord XI to your smart device, or transfer data saved on your smart device to ProRecord XI. This feature is only available on the dedicated app.

(1) Transfer from ProRecord XI to smart device

You can save up to 20 songs on ProRecord XI, however, you can save additional recording data by transferring it to your smart device.

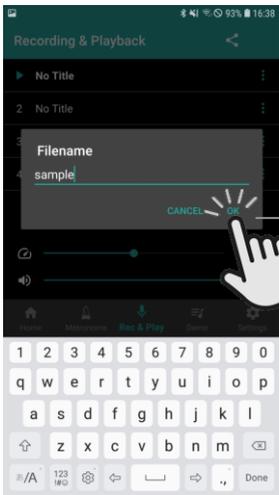
< Screen for recording/playback >

Android



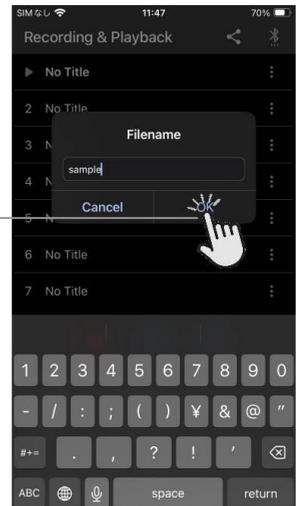
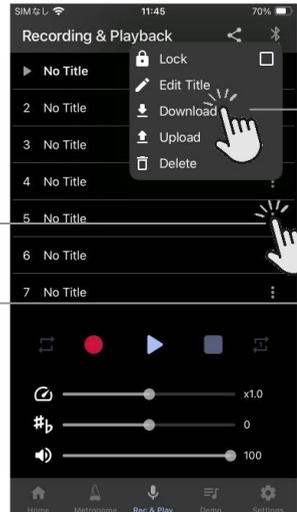
1 Tap the mark on the right side of the recorded song you want to transfer

2 Tap "Download"



3 Enter the file name and tap "OK"

iOS



Transfer recorded data

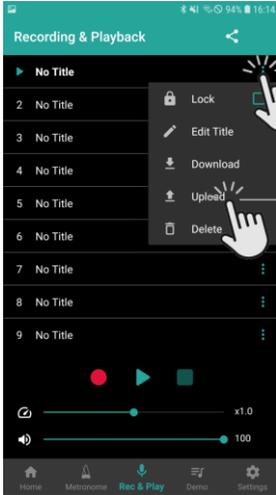
(2) Transfer from smart device to ProRecord XI

Note

MIDI data other than recorded data can also be transferred, but only MIDI format 0 files can be transferred.

< Screen for recording/playback >

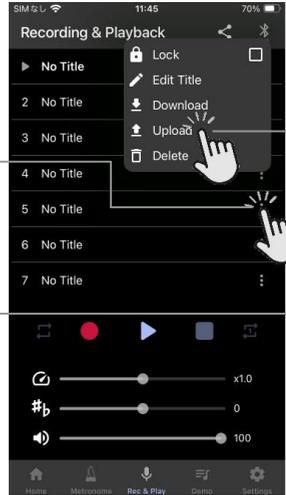
Android



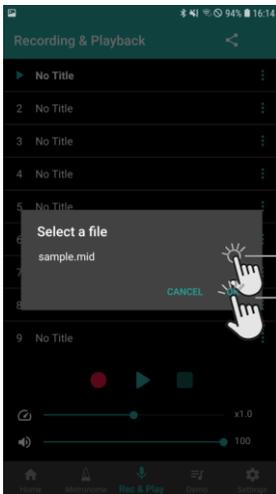
1 Tap the mark on the right side of the recorded song area you want to transfer

2 Tap "Upload"

iOS



More Enjoy



3 Select the recorded data file in the smart device and tap "OK"



Transfer the recorded data

(3) Data sharing

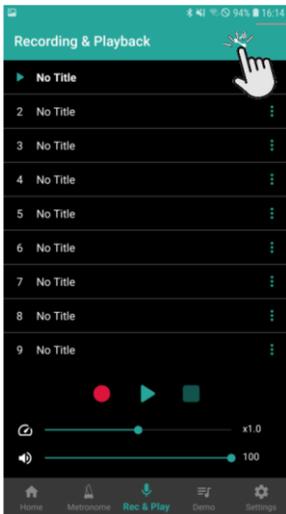
Shows shared apps that the OS can use, such as Mail, iCloudSM, and Google DriveTM.

Note

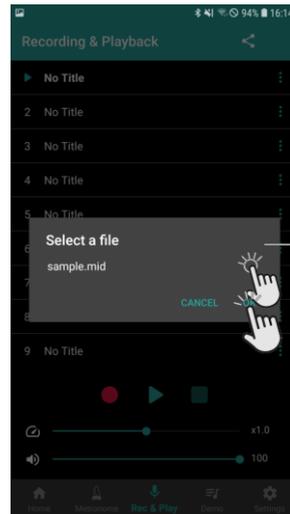
The only data that can be shared is MIDI files stored on the smart device. If you want to share data recorded on the ProRecord XI, first transfer the data to your smart device using the operations on page 34.

Example: Using email

Android

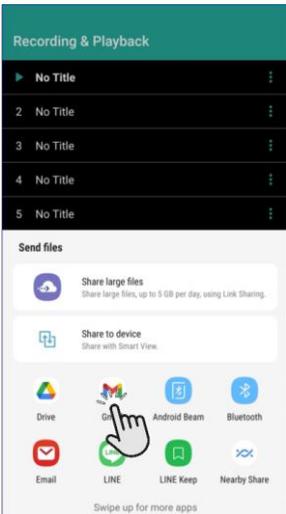


1 Tap the share mark

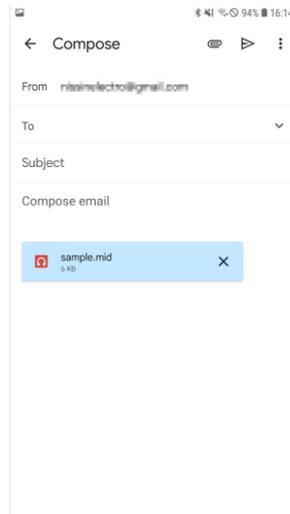


2 Choose files to share

3 Tap "OK"



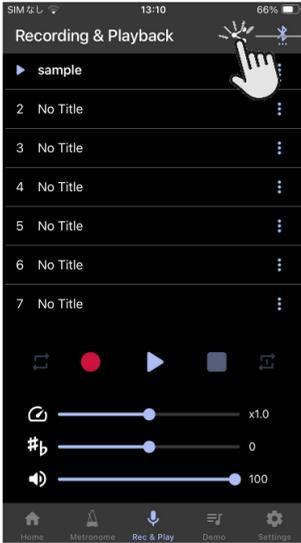
4 Tap the mail app



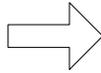
5 Mail app launches

Transfer the recorded data

iOS

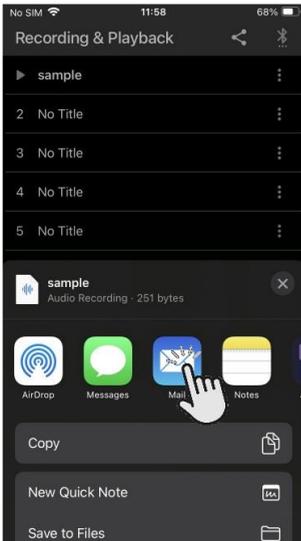


1 Tap the share mark

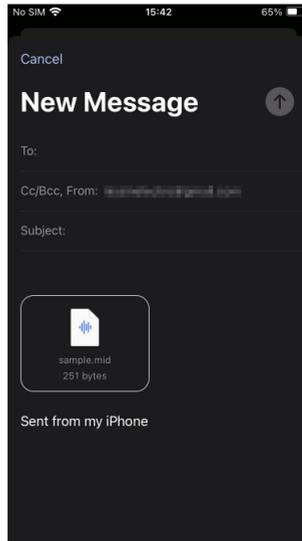
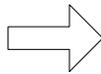


2 Choose files to share

3 Tap "OK"



4 Tap the mail app

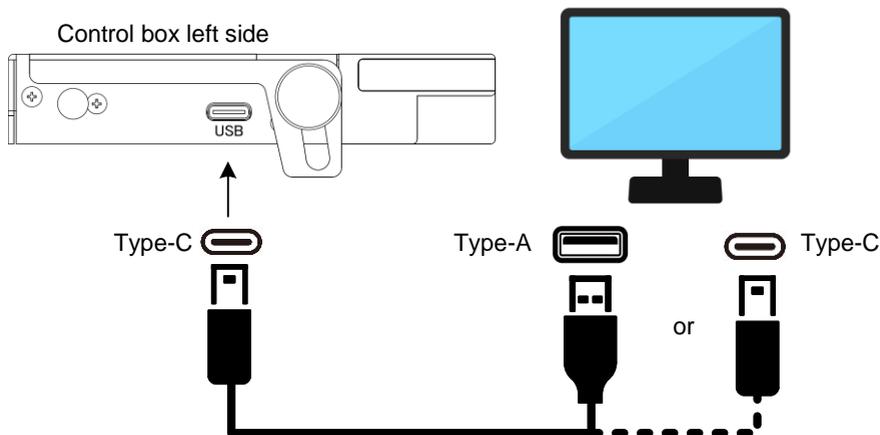


5 Mail app launches

Connect with other devices

(1) Connect to a PC

By using a commercially available USB cable (Type C to Type A or Type C to Type C), you can play MIDI data from your computer with the sound module of ProRecord XI. You can also send data played on ProRecord XI as MIDI data to your computer, and edit and save the data there.



Once connected, the MIDI driver will be installed automatically.

(2) Connect via Bluetooth MIDI

ProRecord XI is compliant with the Bluetooth MIDI standard, and can input/output MIDI data wirelessly with iPhone/iPad/Mac music production applications such as GarageBand or music production applications for Android.

When connecting ProRecord XI with Bluetooth MIDI, please select "ProRecord XI" in the Bluetooth MIDI settings of each smart device app.

Note Windows Bluetooth MIDI is not supported.

MIDI channel specifications

ProRecord XI uses the following MIDI channels:

channel 1	Keyboard performance data
channel 2	Playback of recorded data
channel 3	Pedal resonance
channel 4	

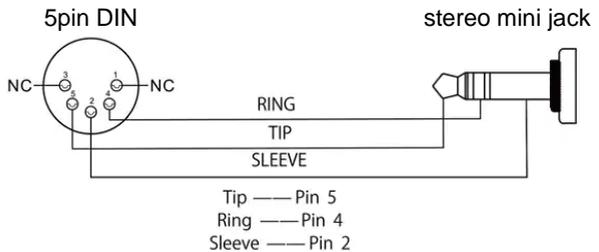
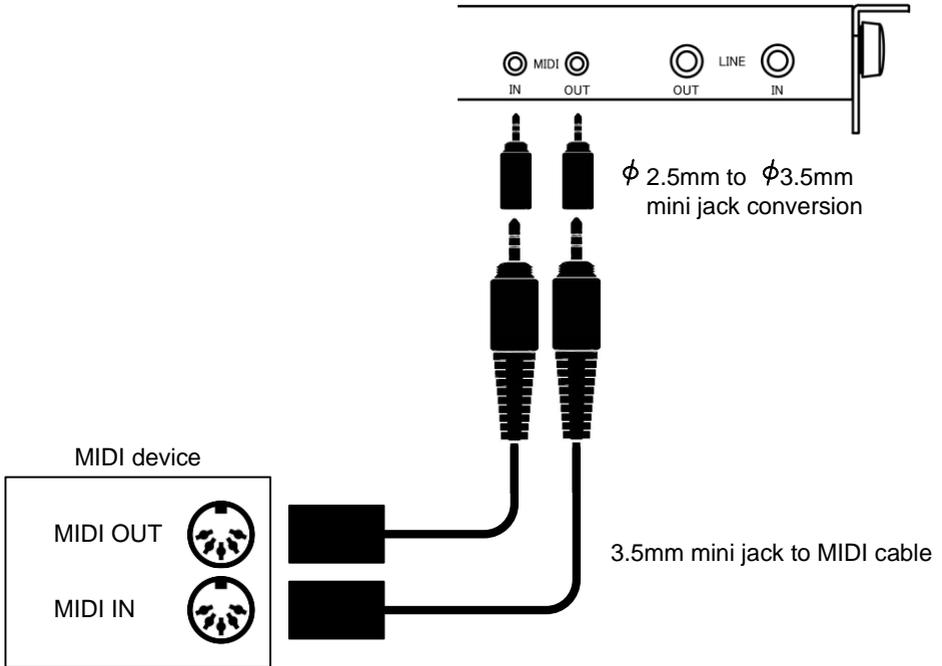
When you send MIDI data to ProRecord XI from an external MIDI device, avoid MIDI channels 1, 2, 3, and 4.

When data is inputted into the MIDI channel 1 and the tone is changed, it can return to the original tone by pressing the TONE-button.

Connect to other devices

(3) Connect to a MIDI device

ProRecord XI can be connected to a MIDI device using a MIDI interface cable. If a MIDI device is connected to your ProRecord XI, the information coming from ProRecord XI is transmitted to the MIDI device as MIDI data. The MIDI data can then be used by the MIDI device. You can also use ProRecord XI to play MIDI information outputted by a MIDI device.



Note

The MIDI channel specifications are the same as described on the previous page.

Touch Control

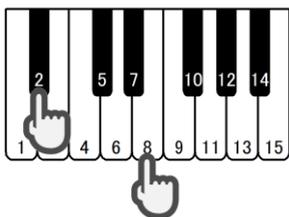
The movement of the keys can differ depending on the type and model of piano. If you find it difficult to change the volume from pianissimo to fortissimo, adjust it according to your piano.

The factory default for "Touch Control" is 4. If the key's movement is slow (heavy), adjust it to 1-3, and if it is fast (light), adjust it to 5-8.

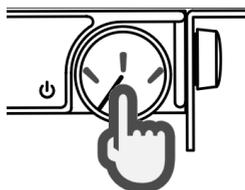
1 Start setting

Turn on the power while holding down two keys (Key 2 and Key 8). A chime will sound to indicate that the "Touch Control" setting mode has been activated. Proceed to the next step while holding down both keys.

Left Side of the keyboard



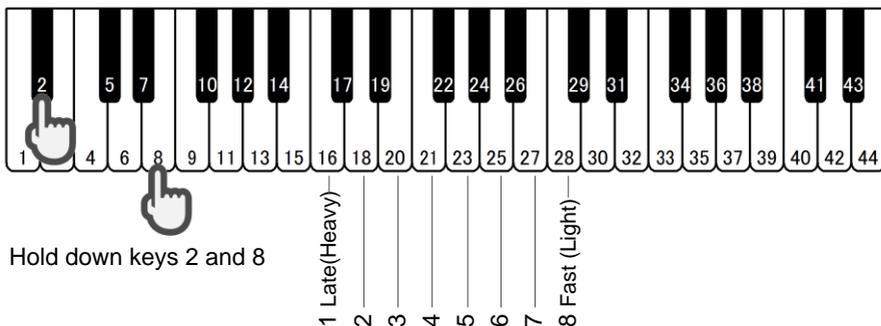
Turn on the power while holding down both keys



2 Adjust the "Touch Control"

Select the setting that matches your preferred touch feeling in the following figure.

Left Side of the keyboard



Hold down keys 2 and 8

3 Release the two keys to finish the setting

When you have finished making adjustments, release your fingers from the two keys to set the "Touch Control". The settings are registered even if the power is turned off.

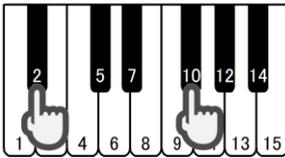
Black Keys Volume Control

You can adjust the volume balance of white keys and black keys by adjusting the volume of the black keys.

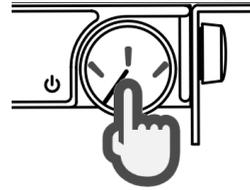
1 Start setting

Turn on the power while holding down two keys (Key 2 and Key 10). A chime will sound to indicate that the "Black Keys Volume Control" setting mode has been activated. Proceed to the next step while holding down both keys.

Left Side of the keyboard



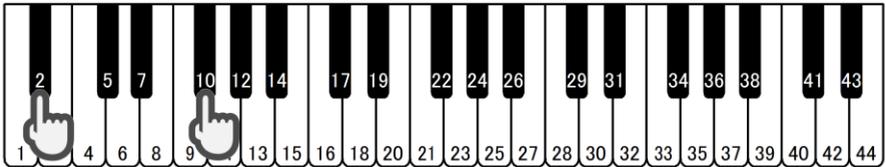
Turn on the power while holding down both keys



2 Adjust the "Black Keys Volume Control"

Select the volume of the black keys that matches the volume of the white keys in the following figure.

Left Side of the keyboard



Hold down keys 2 and 10



3 Release the two keys to finish the setting

When you have finished making adjustments, release your fingers from the two keys to set the "Black Keys Volume Control".

The settings are registered even if the power is turned off.

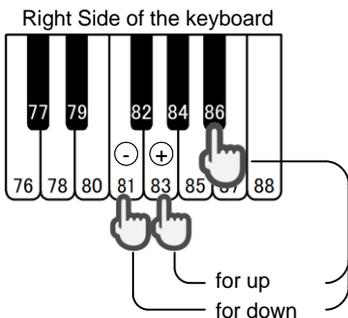
Individual Keys Volume Control

You can adjust the volume for each key to match the overall volume balance.
The adjustment range is from -10 to +10.

(1) Adjust left 44 Keys

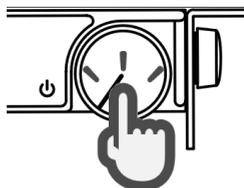
1 Start setting

To increase the volume: Turn on the power while holding down keys 86 and 83 (+ sign key)
To decrease the volume : Turn on the power while holding down keys 86 and 81 (- sign key)



A chime will sound to indicate that the "Individual Keys Volume Control" setting mode has been activated.
Proceed to the next step while holding down both keys.

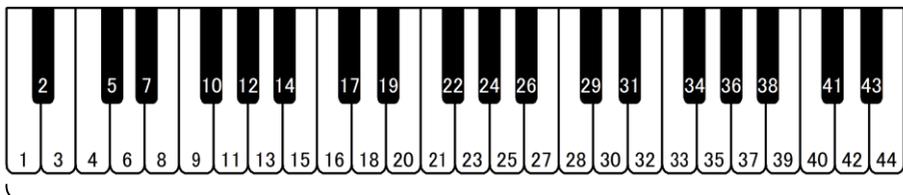
Turn on the power while holding down both keys



2 Adjust the "Individual Keys Volume Control"

Select and push a key to change the volume from the 44 keys on the left side.
Pushing once will change the volume level one step in the direction chosen.

Left Side of the keyboard



The adjustment range is from -10 to +10.

3 Release the two keys to finish the setting

When you have finished making adjustments, release your fingers from the two keys to set the "Individual Keys Volume Control".

The settings are registered even if the power is turned off.

Individual Keys Volume Control

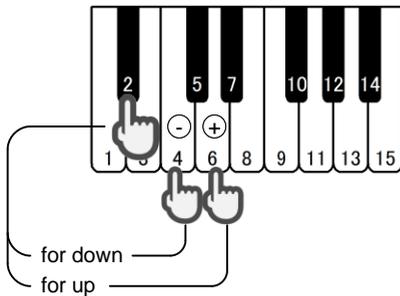
(2) Adjust right 44 Keys

1 Start setting

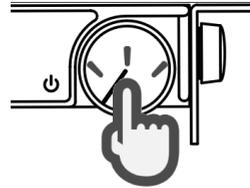
To increase the volume: Turn on the power while holding down keys 2 and 6 (+ sign key)

To decrease the volume: Turn on the power while holding down keys 2 and 4 (- sign key)

Left Side of the keyboard



Turn on the power while holding down both keys

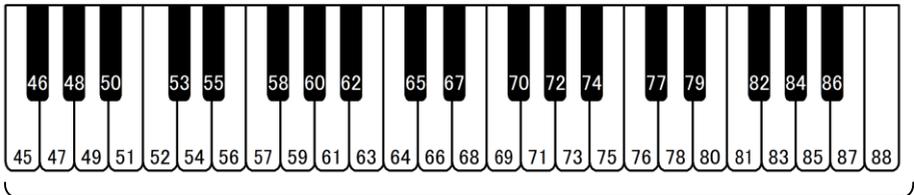


A chime will sound to indicate that the "Individual Keys Volume Control" setting mode has been activated. Proceed to the next step while holding down both keys.

2 Adjust the "Individual Keys Volume Control"

Select and push a key to change the volume from the 44 keys on the right side. Pressing once will change the volume level one step in the direction chosen.

Right Side of the keyboard



The adjustment range is from -10 to +10.

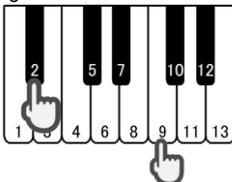
3 Release the two keys to finish the setting

When you have finished making adjustments, release your fingers from the two keys to set the "Individual Keys Volume Control".

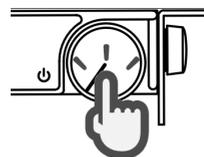
The settings are registered even if the power is turned off.

(3) Reset the adjustment (return to the factory settings)

Turn on the power while holding down keys 2 and 9



Turn on the power while holding down both keys



A chime will sound to indicate that the "Individual Keys Volume Control" reset mode has been activated.

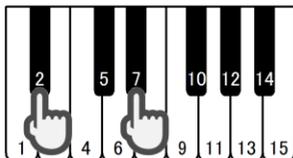
Adjust Key Sensing Range

You can change the depth at which sound is emitted when you play the keyboard. This will change the sound timing.

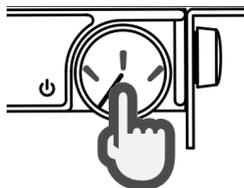
1 Start adjusting

Turn on the power while holding down two keys (Key 2 and Key 7). A chime will sound to indicate that the "Adjusting Keys Sensing Range" mode has been activated. Proceed to the next step while holding down both keys.

Left Side of the keyboard



Turn on the power while holding down both keys



2 Adjust the range

- To make it shallower (faster) : Select the key of - side
- To make it deeper (slower) : Select the key of + side

If you make the sounding position shallower, the sounding timing will be faster.

Left Side of the keyboard



Hold down keys 2 and 7

faster
-2 shallow
-1
0
+1
+2 deep
slower

3 Release the two keys to finish the adjustment

When you have finished making adjustments, release your fingers from the two keys to set the "Adjusting Keys Sensing Range".

The settings are registered even if the power is turned off.

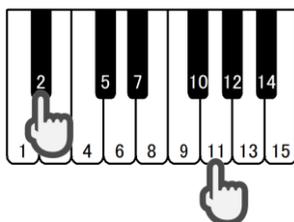
Note Repeat Limit

ProRecord XI can be set to limit how many times a note can be repeated per second. If you want to match the performance of your piano, or if you want to increase the number of times, you can change it.

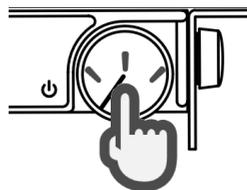
1 Start setting

Turn on the power while holding down two keys (Key 2 and Key 11). A chime will sound to indicate that the "Note Repeat Limit" setting mode has been activated. Proceed to the next step while holding down both keys.

Left Side of the keyboard



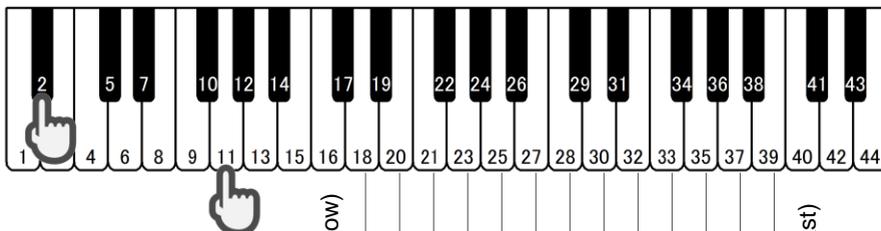
Turn on the power while holding down both keys



2 Set the limit

Select the setting that matches your preferred limit in the following figure.

Left Side of the keyboard



Hold down keys 2 and 11

5 times (slow)
6 times
7 times
8 times
9 times
10 times
11 times
12 times
13 times
14 times
15 times
16 times
17 times
18 times
No Limit (fast)

3 Release the two keys to finish the setting

When you have finished making adjustments, release your fingers from the two keys to set the "Note Repeat Limit".

The settings are registered even if the power is turned off.

Warning

Do not increase the volume too much on pianos that have low continuous touch performance. Unintentionally loud sounds may be emitted.

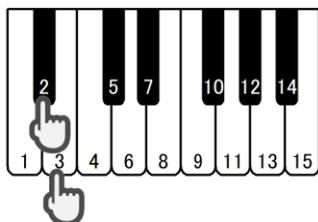
Pedal Positioning (Adjusting the depth)

You can adjust the depth at which each pedal function begins.
You can also select the function of the damper pedal.

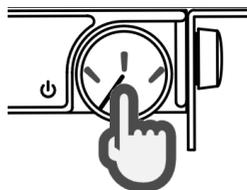
1 Start setting

Turn on the power while holding down two keys (Key 2 and Key 3). A chime will sound to indicate that the "Pedal Positioning" setting mode has been activated. Proceed to the next step while holding down both keys.

Left Side of the keyboard



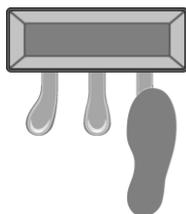
Turn on the power while holding down both keys



2 Adjust the pedal function

- When changing the depth that the pedal function is started

for the damper pedal



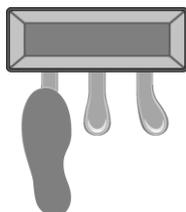
Press the damper pedal to the depth at which you would like to start the function.

Press the PLAY-button in this state



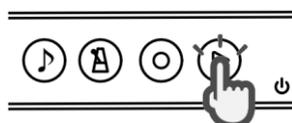
A chime will sound and the pedal depth will be memorized.

for the soft pedal



Press the soft pedal to the depth at which you would like to start the function.

Press the PLAY-button in this state



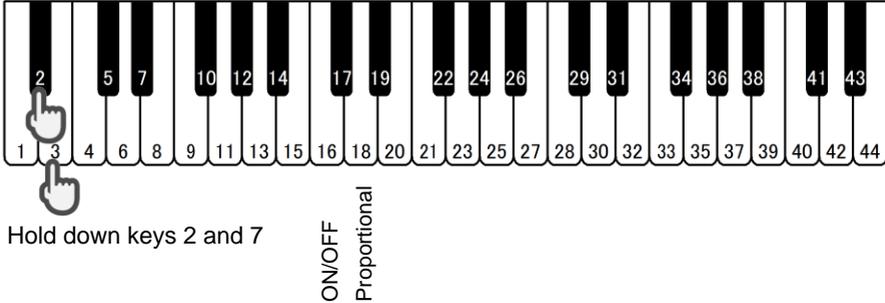
A chime will sound and the pedal depth will be memorized.

Perform the same operation with the sostenuto pedal as with the damper pedal or soft pedal.

Pedal Positioning (Damper Pedal Function)

- When changing the way the damper pedal works
Select a function in the following figure.

Left Side of the keyboard



Hold down keys 2 and 7

In the ON/OFF setting, the damper function works with OFF -> Half -> ON.
In the Proportional setting, the damper function works according to the amount of depression.

Note

When ON/OFF is set, the half damper function will start working slightly before the depth set in positioning. The position where the half function works is determined automatically.

3 Release the two keys to complete the setting

Pedal Positioning (Soft Pedal Effect Intensity)

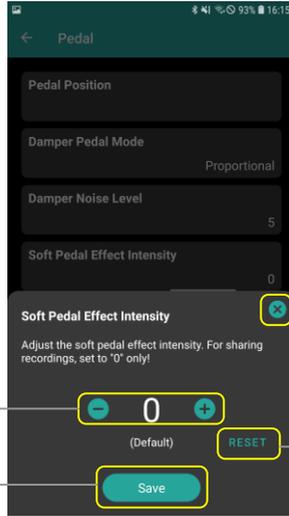
You can change the effect intensity of the soft pedal.
This function is only available on the dedicated app.

Android

< setting screen >

+ : increase the effect
- : decrease the effect

Save your settings



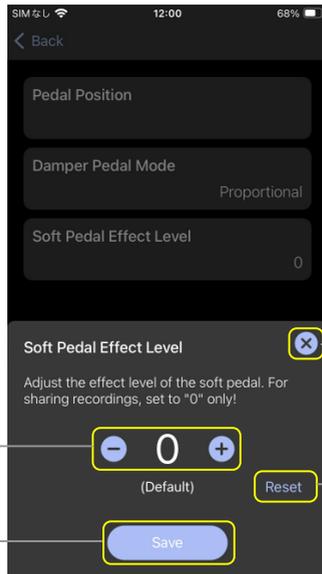
Cancel the settings

Set to default

iOS

+ : increase the effect
- : decrease the effect

Save your settings



Cancel the settings

Set to default

Tuning Curve

ProRecord XI can edit the tuning curve. However, this feature is only available on the dedicated app.

< setting screen >

1 Select the piano sound you want to tune

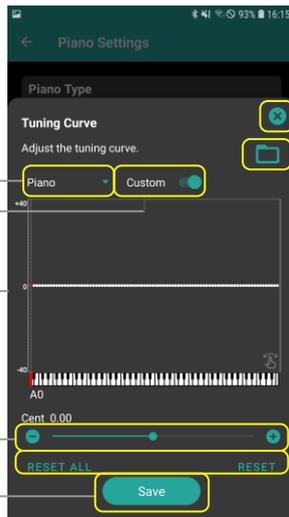
2 Tap to change to custom

3 Tap a key to select it. It can also select a key by pressing a key on the piano.

4 Change the tuning

5 Save your settings

Android



Cancel settings

- File load
Load settings from file
- File save
Save settings to file

Reset the settings

iOS

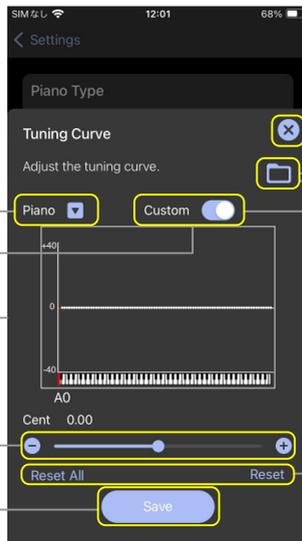
1 Select the piano sound you want to tune

2 Tap to change to custom

3 Tap a key to select it. It can also select a key by pressing a key on the piano.

4 Change the tuning

5 Save your settings



Cancel settings

- File load
Load settings from file
- File save
Save settings to file

Reset the settings

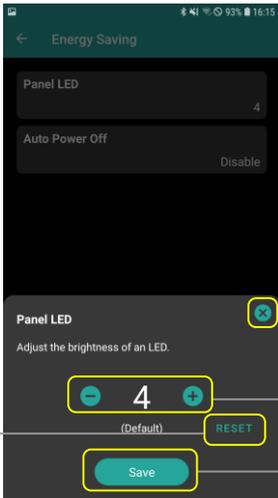
Operation Panel brightness

You can change the brightness of operation panel. This feature is only available on the dedicated app.

< setting screen >

Android

iOS

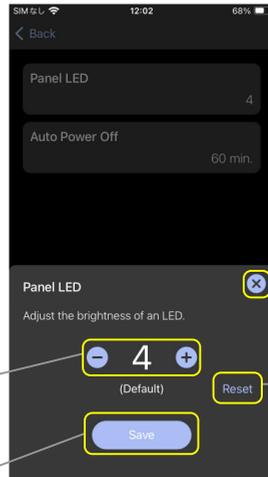


Cancel settings

1 Change settings
+ : Brighter
- : Darker

2 Save your settings

Set to default



Cancel settings

Set to default

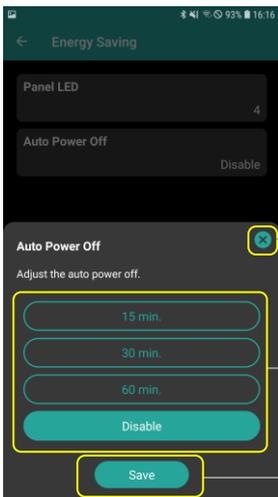
Auto Power Off

The power will automatically turn off after a set amount of time has passed without being used. This feature is only available on the dedicated app.

< setting screen >

Android

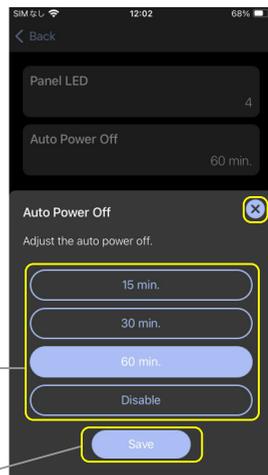
iOS



Cancel settings

1 Change settings

2 Save your settings



Cancel settings

Initialization (Reset to Factory Defaults)

You can reset all settings of ProRecord XI to their factory defaults.

Caution

This process will erase all of your recorded songs. In addition, all settings made after installation will be erased, and the factory defaults will be restored. After carrying out this process ("Reset to Factory Defaults"), you will need to carry out the initial settings on the following page. They must always be carried out in sequence and succession.

Default configuration

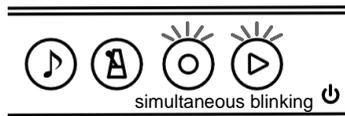
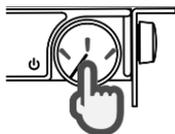
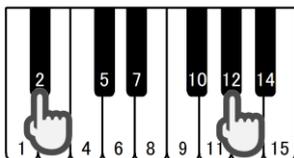
User Preset	Clear (default preset)	
Tone	Piano	
Effects	Reverb	Room, Level 1
	Chorus/Rotary/Delay	OFF
Transpose	OFF	
4 Band Equalizer	flat	
Metronome	Beat=4, Tempo=120, Volume=Level 3	
Recording song	All delete	
Initial Setting	Clear	
Touch Control	4	
Black Keys Volume Control	0	
Individual Keys Volume Control	All 88 keys \pm 0	
Tuning	440Hz	
Adjusting Keys Sensing Range	0	
Pedal Positioning	Clear	
Note Repeat Limit	Upright	10
	Grand	14
Sensor Calibration	Clear	
Auto Power Off	Disable	
Operation Panel Brightness	4	
IQ Player connection	OFF	

1 Start Initialization

Turn on the power while holding down two keys (Key 2 and Key 12).

A chime will sound to indicate that the "Initialization" mode has been activated.

Left Side of the keyboard



simultaneous blinking

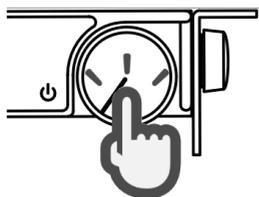
2 Release the two keys to finish the setting

After checking that the RECORD-button and PLAY-button have stopped blinking, the power will turn off automatically.

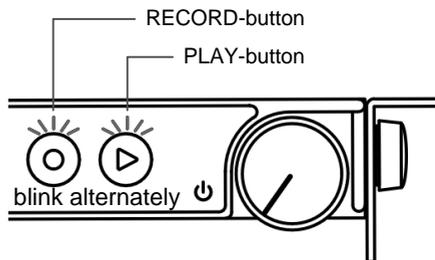
Initialization (Sensor Calibration)

Be sure to perform this setting when the "Reset to factory defaults" function has been used.

1 Turn on the power

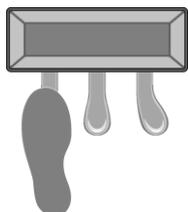


Don't touch the keys or pedals

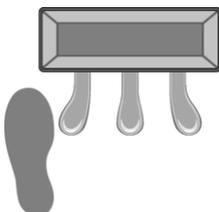


RECORD and PLAY buttons blink alternately

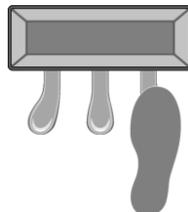
2 Press the Pedal



Slowly press the soft pedal to the deepest position



A note sounds when the pedal is released



Press the damper and sostenuto pedals as well.

3 Press the key

Press a key with fixed strength (forte) to the deepest position. You will hear sound when the key returns. If the sound is heard, press the next key. Continue the process for the rest of the keys; the order does not matter.

4 A chime will sound when the initialization is complete

If the chime does not sound

There are pedals or keys that have not been pressed.

When you press the PLAY-button, you will be notified of pedals or keys that have not been pressed with the following sound.

When all pedals and all keys are pressed, a chime will sound and the Initialization is complete.

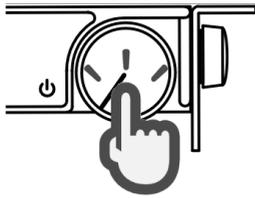
● if it is the pedal: Sounds other than piano

● if it is the key: Sounds unpressed key tone

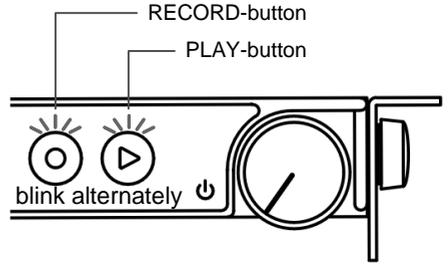
(If multiple keys are not pressed, the lowest pitch among them will be sounded.)

Initialization (with dedicated app)

1 Turn on the power



Don't touch the keys or pedals

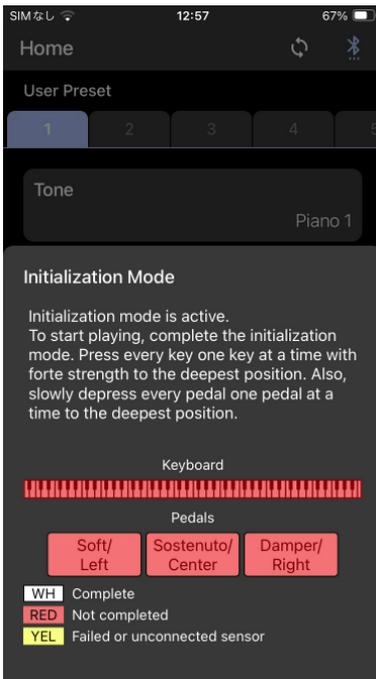


RECORD and PLAY buttons blink alternately

2 Connect to the dedicated app

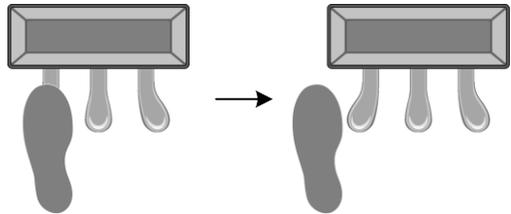
When the connection is completed, the initial setting screen is displayed.

(Red : Not completed keys & pedals Yellow : Failed or unconnected sensor)



3 Press the Pedal

Press the red pedal, it will change to white.



Slowly press the soft pedal to the deepest position

A note will sound when the pedal is released

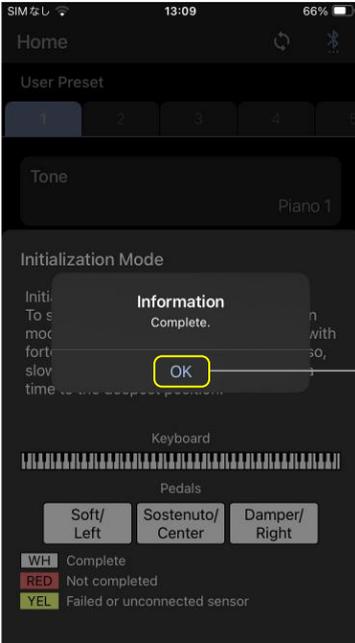
Press the damper pedal as well.

4 Press the key

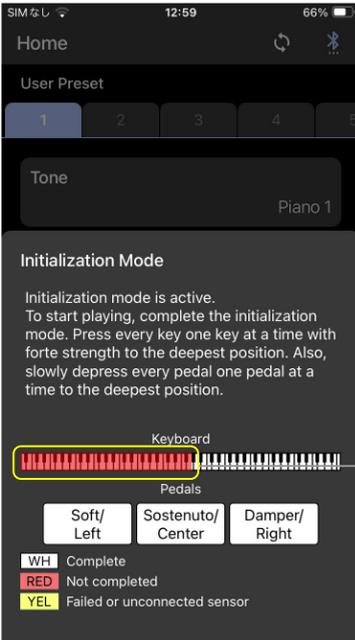
Press a key with fixed strength (forte) to the deepest position. You will hear a sound when the key returns. If the sound is heard, press the following key. Continue the process until all keys are completed. The order does not matter. Press the red key; it will change to white.

Initialization (with dedicated app)

5 Completed successfully when "Complete" is displayed on the screen



Tap "OK"



Note

When "Complete" is not displayed. If there is pedal or key that has not been pressed, the corresponding mark remains red. Press the red pedal or key.

Maintenance (Re-Calibration)

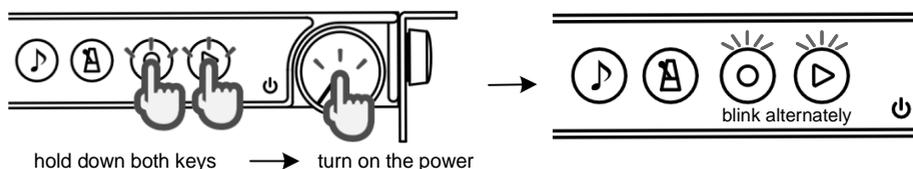
In order to continue to use ProRecord XI without loss of performance, we recommend that you to perform the following maintenance regularly, just as you would when tuning a piano.

- Clean the sensor on the key and pedal sensors
- Adjust the height of keyboard unit, as well as the position of the pedal unit
- Recalibrate the key and pedal sensors (refer to the following)

<How to Recalibrate>

- 1 Turn on the power while pressing the RECORD-button and the PLAY-button

A chime will sound and the RECORD and PLAY-buttons will blink alternately.



- 2 Press the Pedal slowly

Slowly press the soft pedal to the deepest position. A note will sound when the pedal is released. Press the damper and sostenuto pedals as well; the order does not matter.

It is also possible to adjust only the pedal that need to be re-adjusted.

- 3 Press the key

Press a key with fixed strength (forte) to the deepest position. You will hear a sound when the key returns. If the sound is heard, press the following key and continue to press the remaining keys. The order does not matter.

It is also possible to adjust only the key that need to be re-adjusted.

- 4 Press the PLAY-button



The RECORD and PLAY-buttons will turn off, and a chime should sound.

This means that "Recalibration" is completed.

Warning

Be sure to press the PLAY-button to finish the Recalibration.

If you accidentally press the power button to turn off ProRecord XI without pressing the PLAY-button, the Recalibration is not complete and you will have to start over.

Q&A

Question	Answer
Why should I recalibrate regularly?	The condition of the piano and sensors will change due to temperature and time. Please calibrate regularly to ensure the best touch and feel.
When is the best time to recalibrate?	After tuning or moving the piano, or, if you feel that something is wrong with the dynamics.
There are times when I lightly touch the key and it sounds.	Try changing the "Adjusting the timing of sounds" setting to a lower one (+1 or +2).
Can I connect a USB stick to the USB port and use it?	ProRecord XI's USB ports only support slave function; a USB stick cannot be used.
What kinds of USB cables can be used?	Type-A to Type-C or Type-C to Type-C (both USB2.0, USB3.1) can be used.
Can I change the tones that can be switched with the TONE-button?	You can change it using the "User Preset" function of the dedicated app.
I would like to save effect information.	You can save it using the "User Preset" function of the dedicated app.
I want to play with speakers, how should I connect them?	Use a 3.5mm stereo audio cable to connect to the LINE-OUT terminal.
What is the "Initialization"?	This function automatically sets the optimal key sound position and pedal on/off position according to the amount of movement of the keys and pedals when installing ProRecord XI.
Can I use wireless headphones?	ProRecord XI does not support wireless audio.
What should I do if I want to play the recorded data transferred to my computer on a music player?	Since the data is a MIDI file, it can be played on a player equipped with a MIDI sound source. If the player is not equipped with a MIDI sound source, it will be necessary to convert MIDI to MP3 or WAV on your computer. Another method is to connect the headphone jack to your computer with a 3.5mm stereo jack audio cable, and record using software on the computer while playing back the recorded data. In this case, you can record with the sound source of ProRecord XI.
Can settings be saved?	You can back up setting information and recorded songs to your smart device, and restore them from the smart device to the ProRecord XI.

Troubleshooting

RECORD-button and PLAY-button are blinking alternately and sound is not played correctly.

- ProRecord XI remains in the factory default state. Press the PLAY-button after pressing all keys in forte and pressing all pedals (page 48).

Power does not turn on even if the power button is pressed. The power light does not light up.

- Is the power cord connected correctly?
- Insert the AC adaptor firmly into the DC 9V socket and AC outlet.
- If the power still does not turn on, unplug the AC adapter from the outlet and contact the store where you purchased your ProRecord XI.

The unit is turned on, but doesn't emit sound from the headphones.

- Does the Control box's indicator (TONE-button) blink when you play a key? If it doesn't blink, check if the cable is connected to the KEYBOARD on the back panel of the Control box.
- Is the volume control in the minimum position?
- Is the headphones cable connected correctly?

Some keys are louder or softer than others, or not at all.

- It may be necessary to recalibrate; see page 52. If the problem persists, please contact the store where you purchased your ProRecord XI.

There are some notes that do not emit sound.

- The maximum simultaneous polyphony (the maximum number of sounds that ProRecord XI can produce simultaneously) is 247 notes. If the damper pedal (right pedal) is in heavy use, the number of notes that ProRecord XI is attempting to produce may exceed the maximum polyphony. As a result, some sounds may not play.
- For pianos with a slow hammer return, it may not be possible to recognize the correct keystroke due to the conflict between the return of the hammer and the keystroke. Try reducing the "Note Repeat Limit" setting. (page 41)

I would like to perform the previous setup, but the chime does not sound.

- Are you holding down keys or buttons other than those specified when you turn on the power?
- Are your fingers not pressing the keys or buttons that need to be held down?

There is no keyboard sound when the metronome is playing

- Is the metronome in setting mode? When the METRONOME-button is blinking, it is in the setting mode and keyboard will have no sound.

Troubleshooting

The acoustic piano sounds even if I am using ProRecord XI's silent function to play.

- Is the mute lever pulled towards you?
- If you attempt to play music very loudly, the sound of the piano may leak.

The pedal function does not work when the pedal is pressed.

- It may be necessary to reposition or recalibrate the pedal sensor. See page 42 or 52. If the problem persists, please contact the store where you purchased your ProRecord XI.

The tempo of the metronome can't be set.

- Tempo must be set by inputting a 3 digit number using the piano keyboard. It cannot be set with an input of less than 3 digits or 4 digits or more. A tempo setting of less than 100 must be preceded by '0'. In this case, please reset from the first procedure again. (See page 23)

The power turned off even though the power button was not pressed; ProRecord XI suddenly turned off the power.

- Is the auto power off function turned on? To check/change the settings, you will need to use the dedicated app. (See page 46)

Wireless connection to a smart device is failing.

- Did you configure Bluetooth settings on your smart device? (See page 10)
- Is the Bluetooth setting in the ProRecord XI dedicated app on? (See page 11)
- If you are using an android device, please also note the following.
 - (1) Switch "Bluetooth" to "On" in the settings of your smart device. There are some models that cannot use Bluetooth even if you allow it in the pop-up window that appears in the dedicated app. Therefore, make sure that you activate Bluetooth in the settings of your smart device. (See page 10)
 - (2) When selecting a Bluetooth MIDI Device on the "Home" tab of the app, select "ProRecord XI" and tap "OK" after it becomes "Connected". If you tap "OK" directly without selecting "ProRecord XI" beforehand, the app cannot connect to the ProRecord XI. (See page 11)
 - (3) ProRecord XI connects to your smart device without pairing. After pairing, you may not be able to connect, so delete "ProRecord XI" from "Paired devices" after pairing.
- The Bluetooth function of ProRecord XI may be turned off.

When turning on Bluetooth :

Turn on the power while holding down the TONE and RECORD-buttons.

When turning off the Bluetooth function :

Turn on the power while holding down the TONE and PLAY-buttons.

If the chime sounds, the settings are completed.

Demo Song List / Instrument List

Demo Song List

order	song title	composer
1	Prelude No.1 (Das Wohltemperierte Klavier)	Johann Sebastian Bach
2	Für Elise	Ludwig van Beethoven
3	Piano Sonata op. 27-2 "Mondschein" 1st mov.	Ludwig van Beethoven
4	Shenandoah	American folk song
5	Danny boy	Ireland folk song
6	I love you, porgy	George Gershwin
7	Someday my prince will come	Frank Churchill
8	All the things you are	Jerome Kern
9	Someone to watch over me	George Gershwin
10	My wild Irish rose	Chancellor Olcott

Instrument List

Instruments that can be selected on the keyboard

1	Piano
2	Bright Piano
3	Mellow Piano
4	Piano + Strings
5	Piano + Chorus
6	Bright Piano + Synth
7	Electric Piano 1
8	FM Electric Piano
9	Harpsichord
10	Church Organ
11	Warm Organ
12	Percussive Organ
13	Electric Piano 2
14	Honky-tonk Piano
15	Electric Piano 3
16	Clavinet
17	Celesta
18	Glockenspiel
19	Music Box
20	Vibraphone
21	Santur
22	Drawbar Organ 1
23	Drawbar Organ 2
24	Rock Organ
25	Small Church Organ
26	Reed Organ
27	French Accordion
28	Harmonica
29	Bandoneon
30	Acoustic Guitar (nylon)
31	Acoustic Guitar (Steel)
32	Electric Guitar (jazz)
33	Chorus Guitar
34	Overdrive Guitar
35	Distortion Guitar
36	Acoustic Bass
37	Finger Electric Bass
38	Slap Bass
39	Synth Bass
40	Violin
41	Cello
42	Tremolo Strings
43	Harp
44	Strings
45	Slow Strings
46	Strings + Horn
47	Synth Strings
48	Choir
49	Choir 2
50	Synth Voice
51	Trumpet
52	Trombone
53	Tuba
54	French Horn
55	Brass + Trumpet
56	Synth Brass 1
57	Synth Brass 2
58	Synth Brass 3
59	Synth Brass 4
60	Soprano Sax
61	Alto Sax
62	Tenor Sax
63	Baritone Sax
64	English Horn
65	Bassoon
66	Clarinet
67	Piccolo
68	Flute
69	Recorder
70	Pan Flute
71	Ocarina
72	Synth Lead 2 (sawtooth)
73	Synth Lead 5 (charango)
74	Synth Lead 6 (voice)
75	Synth Lead 8 (bass + lead)
76	Synth Pad 2 (warm)
77	Synth Pad 3 (polysynth)
78	Synth Pad 4 (choir)
79	Synth Pad 5 (bowed)
80	Synth Pad 7 (halo)
81	FX 3 (crystal)
82	FX 4 (atmosphere)
83	FX 5 (brightness)
84	FX 7 (echo)
85	Sitar
86	Koto
87	Bagpipe
88	Steel Drums

Additional Instruments that can be selected on smart device

89	Marimba
90	Xylophone
91	Tubular Bells
92	Muted Guitar
93	Guitar Harmonics
94	Pick Bass
95	Fretless Bass
96	Slap Bass 2
97	Synth Bass 1
98	Viola
99	Contrabass
100	Pizzicato Strings
101	Timpani
102	String Ensemble 2
103	Synth Strings 1
104	Orchestra Hit
105	Muted Trumpet
106	Oboe
107	Bottle Blow
108	Shakuhachi
109	Whistle
110	Synth Lead 1 (square)
111	Synth Lead 3 (calliope)
112	Synth Lead 4 (chiff)
113	Synth Lead 7 (fifth)
114	Synth Pad 1 (new age)
115	Synth Pad 6 (metallic)
116	Synth Pad 8 (sweep)
117	FX 1 (rain)
118	FX 2 (soundtrack)
119	FX 6 (goblins)
120	FX 8 (sci-fi)
121	Banjo
122	Shamisen
123	Kalimba
124	Fiddle
125	Shehnai
126	Tinkle Bell
127	Agogo
128	Woodblock

Specifications

Polyphony		247 notes
Instrument List		128 instruments (Piano, Electric Piano, Church Organ etc.)
Sound source memory		4GByte
Demo Song		10 Songs
Metronome		Beat, Tempo, Volume
Record, Playback		Record : 20 songs capacity : about 15,000 notes/song
		Playback : variable speed (0.5x - 2x)
Pedal	Damper	Proportional, ON/OFF (Half support)
	Soft	ON/OFF
Reverb		Room, Hall
Effect		Rotary, Chorus, Delay
Transpose		+/- 24 semitone
4 Band Equalizer		+/- 10dB
Tuning		440 +/- 13Hz (427 - 453Hz)
Adjustments, Configurations		Touch Control, Keys Volume Control, Tuning, Adjusting Keys Sensing Range, Pedal Positioning, Note Repeat Limit, Tuning Curve, Initialization, Re-Calibration, etc.
Terminals	Analog	Headphones (ϕ 3.5 stereo) x 2, Line OUT (ϕ 3.5 stereo) x 1, Line IN (ϕ 3.5 stereo) x 1
	Digital	USB2.0 slave (MIDI), MIDI (ϕ 2.5 IN/ ϕ 2.5 OUT) x 1
Wireless		Bluetooth 5.1 (BLE-MIDI)
Power supply voltage		DC+9V (dedicated AC-adapter or supply from EXT IF)
Power consumption		DC6W or less
Dimensions (Control-box)		W157mm x D103mm x H19mm (excluding mounting mechanism)
Accessories		User guide (this book), AC adapter, headphones
Dedicated App		ProRecord XI (Supported : iOS12.0 or higher, Android: 6.0 or higher)

- Product specifications and appearance are subject to change without notice for improvement.