# *Quiet***Time**® *ProRecord*®

## User Guide
## Version 1.02

**A product of**

*PianoDisc*

**4111-A North Freeway Boulevard**
**Sacramento, CA 95834, USA**

**CE - Certification**

The *QuietTime* system easily satisfies the basic requirements stipulated by all the relevant directives*
issued by the European Union. The stipulated conformity process has been completed.

*)   At the present moment these are 2006/95/EC and 2004/108/EC

Electrical and electronic products must not be disposed of with normal household waste.
Dispose of the product, at the end of its service life, in accordance with valid statutory

**Safety and warning instructions**
**IMPORTANT! Please read these instructions first!**

⚠ **IMPORTANT INFORMATION:** Complete safety when using the system is only guaranteed by PianoDisc if it has been installed correctly and is used correctly. Do not make any modifications of your own or encourage others to modify any part of the QuietTime systems, if PianoDisc has not specifically approved the modification.

## Read these instructions before operating the system!

Interference from other devices on the same circuit may cause an unpleasant pop when the devices are switched on or off. Whenever possible, connect the QuietTime Silent System to a dedicated outlet. The PianoDisc warranty does not cover interference caused by other devices, which typically have inadequate filtering circuits. To avoid unwanted popping noises, avoid switching other devices on or off while the Silent System is powered.

## Other safety and installation instructions

**You will find information in this list that covers possible personal injuries, electrical shock and causes of fire.   WARNING! You must always abide by the basic precautions, including the following instructions, when using electrical equipment:**

1.     Read all of the instructions before using the product for the first time.
2.   The product must be connected to the type of power supply stipulated in this user guide or on the product itself.
3.     Never open the QuietTime System case under any circumstances.
4.   Power is supplied through the plug. The system should only be connected to an electrical socket that is suitable for use with the attached plug.
5.   You should always try to keep the power cable a safe distance away from other objects. Make sure the cable is not:
      - Tangled
      - Placed in a frequently used area
      - Trapped beneath the piano
6.   Do not position your piano and the QuietTime System in a location that is in direct sunlight or where they are subjected to water, humidity or hot and cold airflows.
7.   Your QuietTime System should be disconnected from the electrical outlet if it is not used for a long period of time.
8.     Only an authorized service agent should be contacted if your system needs repairing.
9.   This product can generate volume levels that cause permanent loss of hearing when used alone or in conjunction with an amplifier, headphones or loudspeakers. Consequently, never run the QuietTime System for too long at a loud volume or even at a volume that is painful on the ears.  Please visit an ear specialist before using your QuietTime System again if you experience a loss of hearing or if you experience ringing in your ears.
10.     The product must be installed so that there is adequate ventilation.
11.  Make sure no objects or liquids are able to leak into the system through the openings in the top of the equipment.
12.     The product must always be serviced by a qualified service technician, if:
      a) The electrical cable or plug is damaged; or
      b) Foreign objects or liquids spill into the system through the openings in the top; or
      c) The system was left out in the rain; or
      d) The system does not appear to work normally or it shows clear signs of working differently; or
      e) The system has been dropped or severely jolted, or the top of the equipment has been damaged.

**General user information**

• Leaving the QuietTime System's plug perpetually plugged into an electrical outlet causes it to continually draw power (approx. 0.5 Watt) and generate a small amount of heat.  Disconnecting the piano's plug from the electrical supply will completely isolate the unit unless the tone generator also has its own power supply.

• Ensure the tone generator is always adequately ventilated from above, below and the rear. The QuietTime System's tone generator must never be placed on a soft surface, such as a cushion or a towel. Never put any objects or containers on top of the tone generator.

• If the QuietTime System does not respond in any way to your controls, as described in this manual, disconnect the unit from the power supply and contact your piano dealer or PianoDisc.


**U.S.A. information – FCC**

NOTE:  This equipment has been tested and found to comply with the limits of a Class B digital device in accordance with Part 15 of the U.S.A. FCC rules.  These limits are designed to provide reasonable protection against harmful interference when used in a private residence.   This equipment generates, uses and can radiate radio frequency energy and might cause harmful interference to radio communications if not installed and used in compliance with the instructions given in this user guide. However, there is no guarantee that interference will not be generated from a specific installation in rare cases.  If this system does cause harmful interference to radio and TV reception, which can be determined by turning the system on and off, the user is encouraged to try to suppress the interference by using one or more of the following measures:

• Readjust the receiving antenna.

• Increase the distance between the system and the receiver.

• Connect the system's plug to a power outlet that is different from the one the receiver is using.

• Contact your dealer or an experienced radio/ TV technician for further help.

**WARNING!**    Changes or modifications made to the electrical equipment that have not been expressly approved by the manufacturer (PianoDisc) might void the user's right to operate the equipment.

**Content**

**Important**! You will find the safety and warning instructions on pages 3 and 4 in this user guide. Please read these instructions before you use your QuietTime System.

**Chapter 1    About QuietTime**

**Welcome**

Welcome to QuietTime, the most advanced product in its class. QuietTime combines the original touch of an acoustic piano with current digital piano technology. This gives you the perfect combination from both worlds!

With your QuietTime System you can:

- Still play your acoustic piano as usual;
- Convert your acoustic piano into a digital piano by simply moving a single lever;
- Play and practice the piano without disturbing others;
- Enjoy a wide selection of excellent instrument tones;
- Use your acoustic piano as a MIDI controller*; and
- Make use of the many other wonderful options.
  * Special cable is required.

**Return registration**

Please take a moment to complete the following information. Return the information to us by mail or email. Our mail and email addresses are listed in the *Specifications* appendix.

Please send us:

1. A copy of the invoice supplied with your QuietTime System.

2. A letterhead with your address and,

3. A note with QuietTime System's model name and serial number. (The name of the system is on the title page of this manual and the serial number is listed on the QuietTime System's control unit.)

**Warranty**

Your QuietTime System comes with a five-year warranty. PianoDisc's warranty covers any damage arising from normal system use.

Not covered by the warranty are: consumable parts and any damage caused by incorrect use or foreign objects (e.g. water damage, fire or opening the case). PianoDisc exchanges **defective** parts free-of-charge and supplies parts needed to make repairs deemed necessary. An authorized PianoDisc dealer must undertake any repairs made to a QuietTime System.

**Chapter 2    Controls**
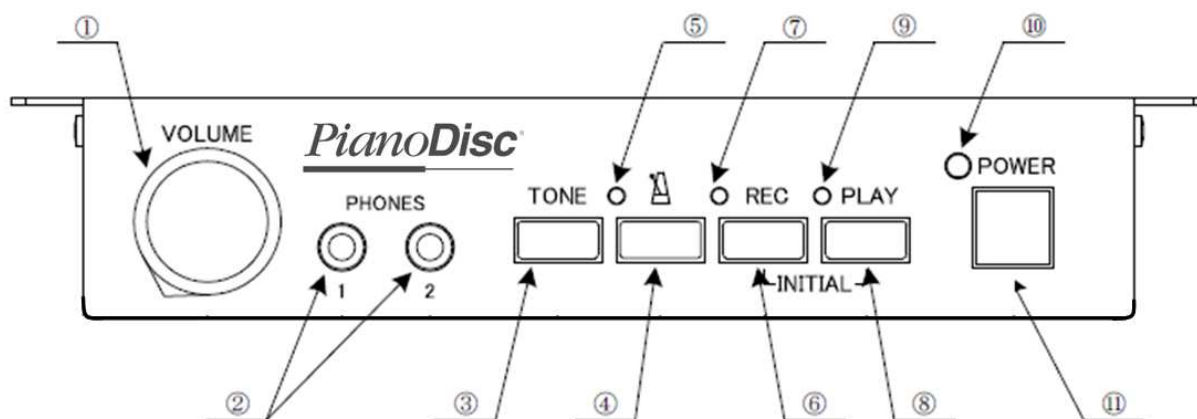


**Control Box – Front Panel**

**(1) VOLUME** - Volume Control
Controls the volume of
headphones and LINE OUT.

**(2) PHONES** - Headphones Jacks
Connections for up to two stereo
headphones.

**(3) TONE** - Tone Select Button
Selects the 8 main instruments as
follows:
Piano, Bright Piano, Mellow
Piano, Electric Piano, FM
Electric Piano, Church Organ,
Warm Organ, Percussive Organ

(4)  🎵    - Metronome Control
Button
Controls the metronome functions,
start/stop and setup.

**(5) Metronome Status Display Lamp**
Indicates when metronome is in
use. (flashes when in setup mode)

**(6) REC** - Record Control Button
Controls start/stop of record
function.

**(7) Record Status Display Lamp**
Indicates when system is
recording.

(8) **PLAY** - Playback Control Button
Controls start/stop of playback
function.

**(9) Playback Status Display Lamp**
Indicates when system is in
playback mode.

**(10) Power Indicator Lamp**
Indicates when power is turned on.
Flashes when keys and pedals are
played. Also flashes the tempo of
the metronome when used.

**(11) POWER** - Power Switch
Used to turn the power on and off.

**Note**: Power should be turned off after each use.
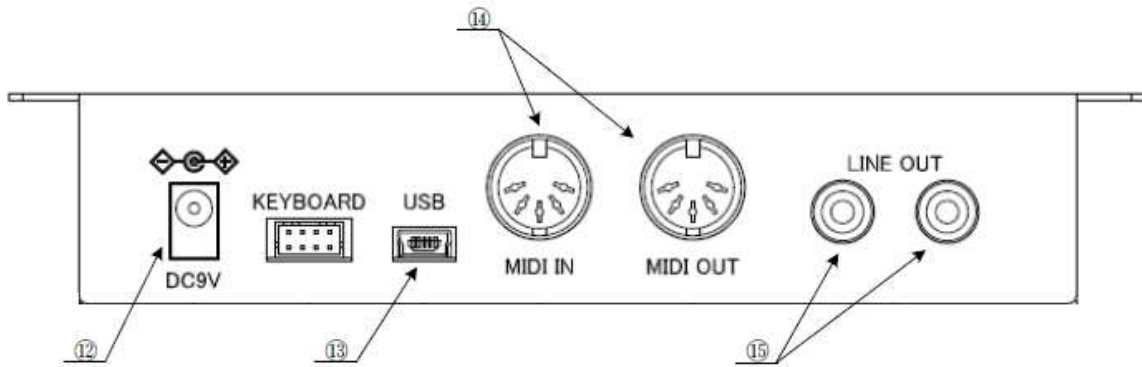
**Control Box – Back Panel**

**(12) DC9V** - DC Power Socket

For AC power adaptor.

**Caution! -** To avoid damage to the
unit, use only AC
adaptors of proper
voltage. (9VDC out)

**Note:** If power is supplied from
EXT connector (see item
⑯ below) do not connect
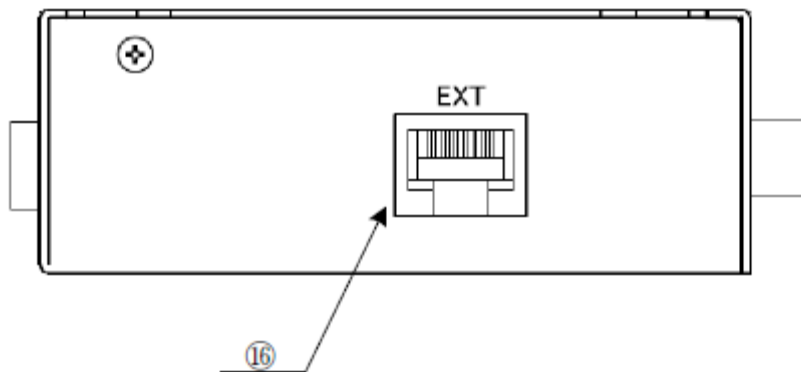AC adapter.

**(13) USB** - USB mini B Jack

Used for connecting to a computer
or other USB device.

**(14) MIDI IN / MIDI OUT** - MIDI Jacks

Used for connecting to an external
MIDI device or computer.

**(15) LINE OUT** - RCA Jacks

For connecting to an external
stereo system.



**Control Box – Right  Side**

**(16) EXT** - External Connector

For connecting to an external system. This connector contains a MIDI interface,
and power input from a compatible external system.

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**Chapter 3       Quick Start Information**

**Before you start**
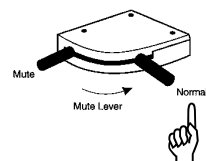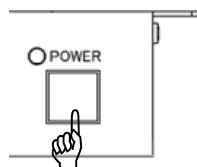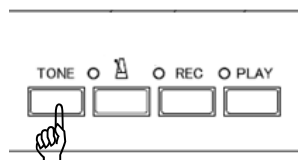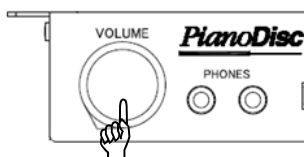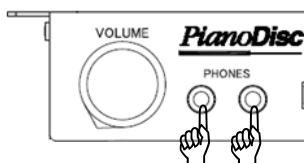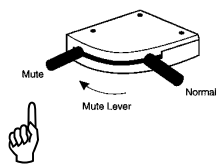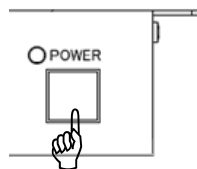
**Is the correct power supply available?**
Be sure the power is connected, either from an AC adaptor or from a compatible external system.

**Switching on** - Turn the power on by pressing the "POWER" button. Do not press any keys or pedals while powering on.

**Activating the stop rail** - Move the lever (left side, beneath the piano keyboard) into the "Mute" position.

**Plugging in and wearing the headphones.** Plug your headphones into one of the headphone jacks on the QuietTime control box. Then put the headphones on.

**Volume** - Play something on the piano. Adjust the headphone's volume using the volume control. Establish a pleasant listening volume level.

**Selecting an instrument** - Select the desired instrument using the "TONE" button.

**Playing the piano.** Play the piano as normal. Only you can hear the sound of the piano.

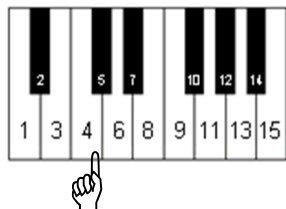**Switching off -** Press the power button gently.

**Deactivating the stop rail.** Move the lever on the left beneath the piano keyboard into the *Normal* position.

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**Chapter 4    Operation**

**How to play a demo song**

**Start -** Push the "PLAY" button for about 2 seconds. The "PLAY" lamp will start flashing.
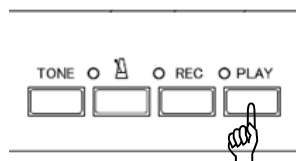
**Auto play  or  Selecting a demo song -** When the "PLAY" lamp stops flashing, playback will begin, starting with the first demo song and continue in order through all demo songs. To select another demo song, press one of the white keys that corresponds to the song desired (see chart below).
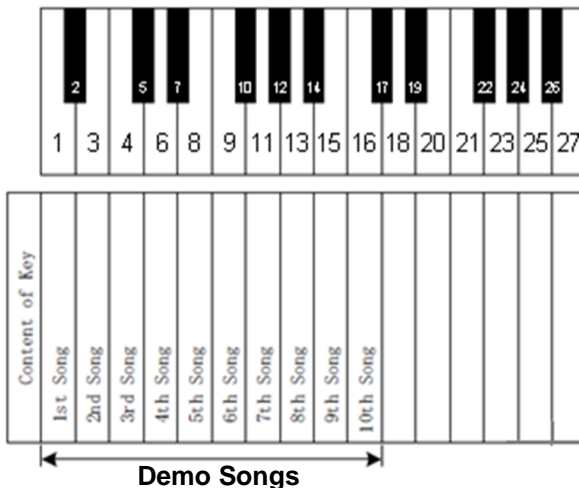
**Note:**

When the EXT connector is in use, and you would like to select a demo song, you need to complete your selection before the "PLAY" lamp stops flashing and before auto playback starts.

**Stop -** To stop playback, push the "PLAY" button.
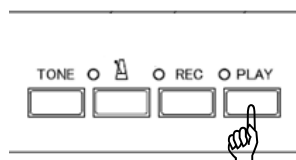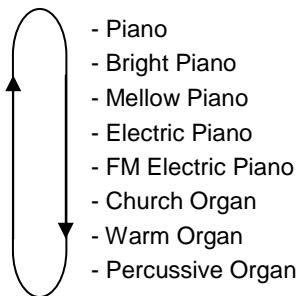
**Left Side of the keyboard**

**Demo Songs**

**List of Demo Songs**

| No. | Title | Composer |
|-----|-------|----------|
| 1 | Prelude (Wohltemperiertes Klavier I, No. 1) | Johann Sebastian Bach |
| 2 | Für Elise | Ludwig van Beethoven |
| 3 | Piano Sonate op. 72-2 "Mondschein" $1^{st}$ 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 |

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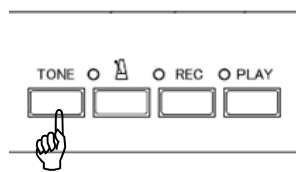
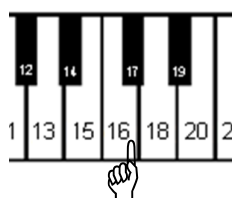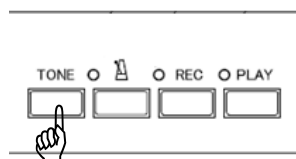**Selecting Instruments**          **Using the TONE-Botton**

**TONE button -** 8 different instruments can be selected by pressing the "TONE" button on the control box. Each push of the "TONE" changes to the next instrument in sequence as follows:

- Piano
- Bright Piano
- Mellow Piano
- Electric Piano
- FM Electric Piano
- Church Organ
- Warm Organ
- Percussive Organ

**Note:**
A sample of each instrument will sound with
each push of the "TONE" button.

**Selecting Instruments**          **Using the TONE-Button in conjunction with piano keys** - 88 different instruments can be selected using the "TONE" button in conjunction with the piano keys (including the 8 instruments listed above).

**TONE button + Piano Key** - Push and hold the "TONE" button

Then press one of the piano keys for the tone desired.
(See the keyboard chart on the following page.) A sample of each tone will sound with each key pressed.
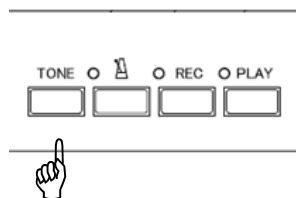
Release the "TONE" button once you have selected an instrument.

**Note**

- If the power is turned off, the tone will return to Piano.
- Some of the tones have pre-set effects (such as chorus & reverb) as part of their default setting. In some cases, the effect may continue when a different tone is selected, depending on the tone selected.
- The rotary speaker effect is pre-set on the following tones: Warm Organ, Percussive Organ, Drawbar Organ 1, Drawbar Organ 2, Rock Organ. When these tones are selected, the damper pedal acts as a switch which changes the speed of the rotary effect.

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**Tones available**

**Bass end of keyboard**

1. *Piano 1 (normal)
2. *Piano 2 (bright)
3. *Piano 3 (Mellow)
4. Piano + strings
5. Piano 1 + choir
6. Bright Piano + Reverb
7. *Electric Piano 1
8. *FM Electric Piano
9. Harpsichord
10. *Church Organ
11. *Warm Organ
12. *Percussive Organ
13. Electric Piano2
14. Honk-tonk Piano
15. Pan Rhodes
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 Accordian
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. Tremelo Strings
43. Harp
44. Strings

**Treble end of keyboard**

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 (charang)
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

**NOTE:**

Instruments marked with an asterisk can also be selected with the "TONE" button alone.

**Tones and available effects**

| Key | Instrument | Chorus | Note | Key | Instrument | Chorus | Key | Instrument | Chorus |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Piano 1 | | | 31 | Steel Guitar | o | 61 | Alto Sax | |
| 2 | Bright Piano | | | 32 | Jazz Guitar | o | 62 | Tenor Sax | |
| 3 | Mellow Piano | | | 33 | Chorus Guitar | o | 63 | Baritone Sax | |
| 4 | Piano 1 + Strings | o | * SlowSTR | 34 | Over Drive Guitar | o | 64 | English Horn | |
| 5 | Piano 1 + Choir | o | SlowChoir | 35 | Distortion Guitar | o | 65 | Bassoon | |
| 6 | Space Piano | o | | 36 | Acoustic Bass | | 66 | Clarinet | |
| 7 | Electric Piano | o | | 37 | Finger Bass | | 67 | Piccolo | |
| 8 | FM Electric Piano | o | | 38 | Slap Bass | | 68 | Flute | |
| 9 | Harpsichord | | | 39 | Synth Bass 2 | | 69 | Recorder | |
| 10 | Church Organ | | | 40 | Violin | | 70 | Pan Flute | |
| 11 | Warm Organ | | **Rotary | 41 | Cello | | 71 | Ocarina | |
| 12 | Percussive Organ | | **Rotary | 42 | Tremolo Strings | | 72 | Synth.Sawtooth | o |
| 13 | Electric PF | | | 43 | Harp | | 73 | Synth. Charang | |
| 14 | Honky Tonk PF | | | 44 | Strings | | 74 | Synth.Voice | |
| 15 | Pan EP1 | o | | 45 | Slow Strings | | 75 | Synth.Bass& | |
| 16 | Clavinet | o | | 46 | Horn & Strings | | 76 | Synth. Warm | |
| 17 | Celesta | o | | 47 | Synth. Strings | | 77 | Synth. PolySynth | |
| 18 | Glocken | o | | 48 | Choir | | 78 | Synth. Choir | |
| 19 | Music Box | o | | 49 | Dooh | | 79 | Synth. Bowed | |
| 20 | Vibraphone | o | | 50 | SynVOX | | 80 | Synth. Halo | |
| 21 | Santur | o | | 51 | Trumpet | | 81 | Crystal | |
| 22 | Drawbar Organ 1 | | **Rotary | 52 | Trombone | | 82 | Atmosphere | |
| 23 | Drawbar Organ 2 | | **Rotary | 53 | Tuba | | 83 | Brightness | |
| 24 | Rock Organ | | **Rotary | 54 | French Horn | o | 84 | Echo Drops | |
| 25 | Small Church Organ | | | 55 | Brass w/ Trumpet | o | 85 | Sitar | |
| 26 | Reed Organ | | | 56 | Synth. Brass 1 | o | 86 | Koto | |
| 27 | French Accordion | o | | 57 | Synth. Brass 2 | o | 87 | Bagpipe | |
| 28 | Harmonica | o | | 58 | Synth. Brass 3 | | 88 | Tinkle | |
| 29 | Bandoneon | o | | 59 | Synth. Brass 4 | | | | |
| 30 | Nylon Guitar | o | | 60 | Soprano Sax | | | | |

The shaded instruments in the chart are same which can also be selected with the TONE button.

All instruments have an individual Reverb level.

* Slow Strings will play within velocity 1-99.

** The speed of rotary speaker effect can be changed by pressing the **RIGHT** pedal.

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**Effect Settings**

QuietTime has four kinds of built-in sound effects which can be customized. These effects are called Reverb, Chorus/Rotary, Delay and Transpose. On the following pages we will describe how to access and how to adjust these effects. The settings for transpose remain active when the tone is changed. The settings for other sound effects are reset to factory defaults when the tone is changed. The settings for all sound effects are reset to factory defaults when the power is switched off and back on. The effects are available for most tones, but not for all.

**Reverb**

**Tone and** 🎵 – Press and hold the "TONE"- and the "METRONOME"-button.
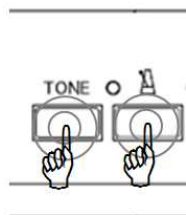
**Tone and** 🎵 - Continue to hold the "TONE"- and the "METRONOME"-button.
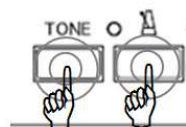
**Piano key**
– Play piano key 28 to select the reverb sounding like you are playing in a room or
– piano key 30 to select the reverb sounding like you are playing in a hall.
– Play piano key 32 to deactivate the reverb effect.
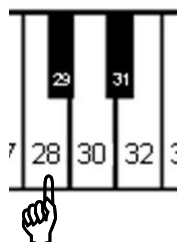
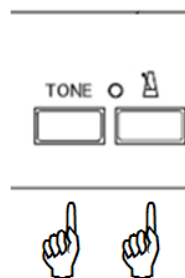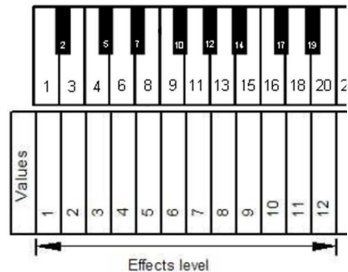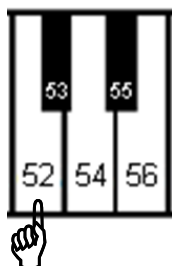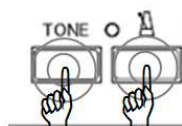**Piano key** – Play piano key 1, 3 … 18 or 20 to select the level (intensity) of the reverb effect.

**Tone and** 🎵 – Release the "TONE"- and the "METRONOME"-button to save your settings.

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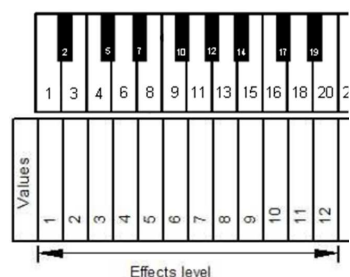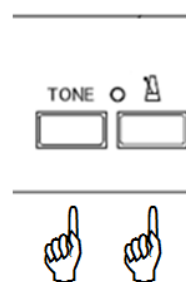
**Effect Settings**

**Chorus/Rotary Speaker**
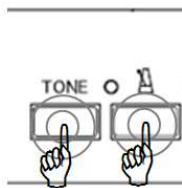
**Tone and** ⛧ – Press and hold the "TONE"- and the "METRONOME"-button.
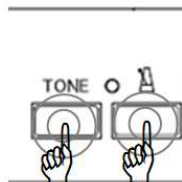
**Tone and** ⛧ - Continue to hold the "TONE"- and the "METRONOME"-button.
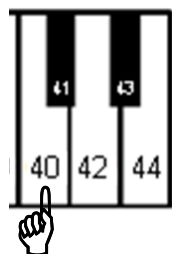
**Piano key**
  – Play piano key 40 to activate the Chorus effect or
  – piano key 42 activate the rotary speaker effect.
  – Play piano key 44 to deactivate the effects.
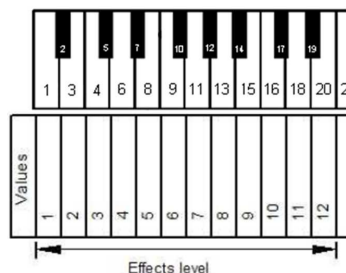
**Piano key** – Play piano key 1, 3 … 18 or 20 to select the level (intensity) of the Chorus effect.
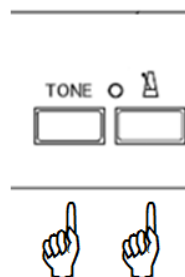
**Tone and** ⛧ – Release the "TONE"- and the "METRONOME"-button to save your settings.

**Note:**
The rotary speaker effect changes the function of the pedals!
Right pedal switches between slow and fast rotary speaker effect. Left pedal is used to switch the rotary speaker effect to semi-off (standby). To fully deactivate the rotary effect and normal pedal operation you need to switch the effect off completely by using the steps described above.

15
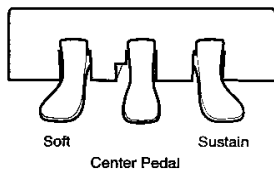
**Effect Settings**
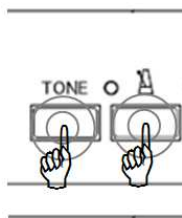
**Delay**

**Tone and** 🜊 – Press and hold the "TONE"- and the "METRONOME"-button.

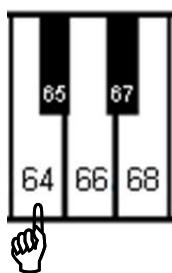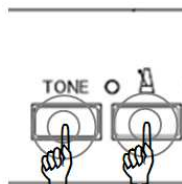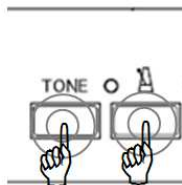**Tone and** 🜊 - Continue to hold the "TONE"- and the "METRONOME"-button.

**Piano key**
- – Play piano key 52 to activate the delay effect or
- – play piano key 54 to deactivate the delay effect.

**Piano key** – Play piano key 1, 3 … 18 or 20 to select the level (intensity) of the Chorus effect.

**Tone and** 🜊 – Release the "TONE"- and the "METRONOME"-button to save your settings.

16

**Effect Settings**

**Transpose**

**Tone and** 🎼 – Press and hold the "TONE"- and the "METRONOME"-button.

**Tone and** 🎼 - Continue to hold the "TONE"- and the "METRONOME"-button.

**Piano key**
– Play piano key 64 to transpose the piano's pitch down,
– play piano key 68 to transpose the pianos pitch upwards.
– By playing piano key 66 you can reset the piano's pitch to normal.

**Tone and** 🎼 – Release the "TONE"- and the "METRONOME"-button to save your settings.
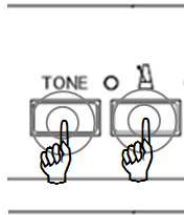
**Note:**
The settings for transpose remain active when the tone is changed.
The settings for all sound effects are reset to factory defaults when the power is switched off and back on.
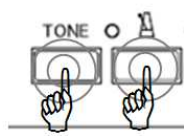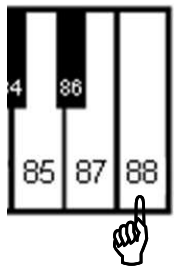
17

**Effect Settings**

**Reset all**

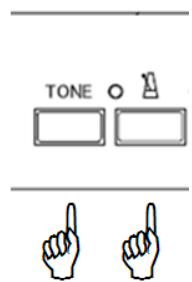Tone and   – Press and hold the "TONE"- and the "METRONOME"-button.

Tone and   - Continue to hold the "TONE"- and the "METRONOME"-button.

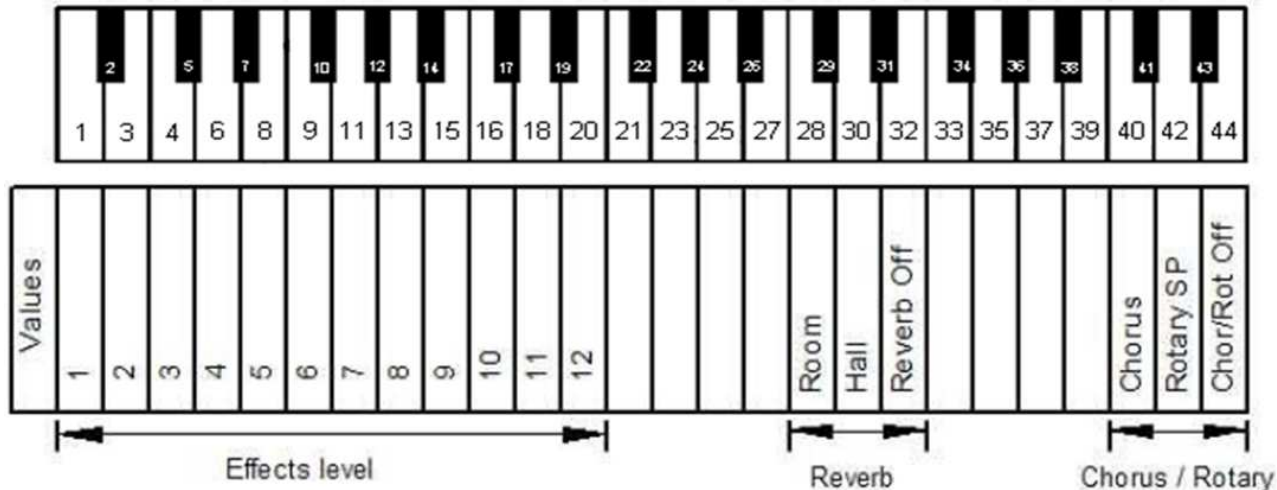**Piano key** – Play piano <u>key 88 to reset all effects</u> and transpose to factory defaults.

Tone and   – Release the "TONE"- and the "METRONOME"-button to save your settings.
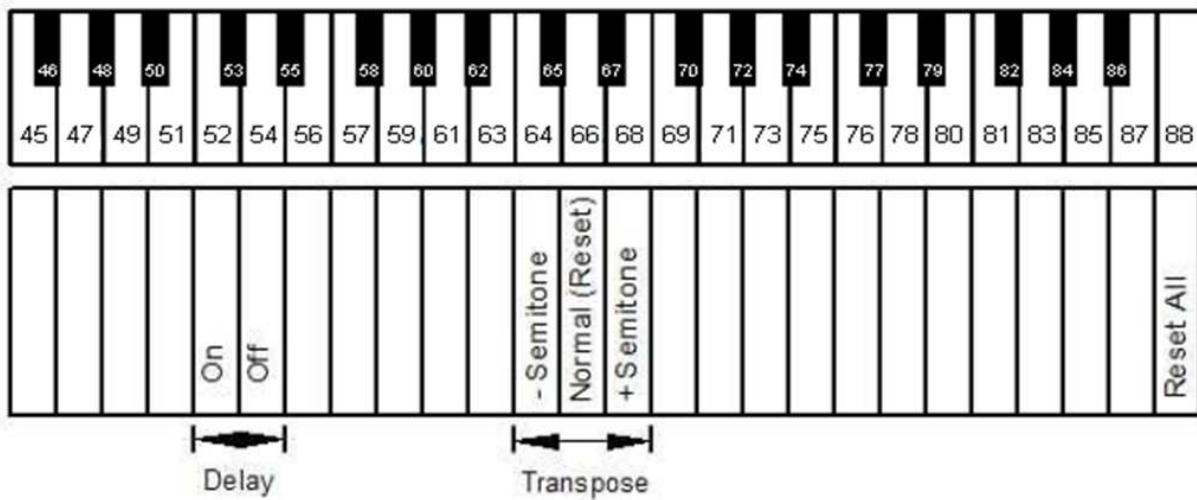
**Effects and related piano keys**
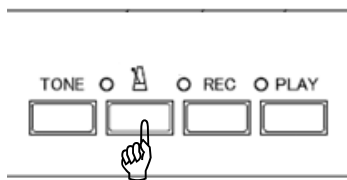
## Bass End of Keyboard

| Values | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | Room | Hall | Reverb Off | | | | Chorus | Rotary SP | Chor/Rot Off |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Effects level      Reverb      Chorus / Rotary

## Treble End of Keyboard

| | | | | | On | Off | | | | | | -Semitone | Normal (Reset) | +Semitone | | | | | | | | Reset All |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Delay      Transpose

**METRONOME**

QuietTime has a built-in metronome function which can be setup with various parameters, such as beat, tempo, and volume.

**Metronome ON/OFF**

🎵 - Press the metronome button to start the metronome. The metronome lamp will turn on and you will hear the metronome beating. Also, the "POWER" lamp will flash at the set tempo of the metronome.

TONE O 🎵 O REC O PLAY

Press the metronome button again to stop the metronome

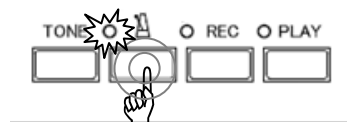TONE O 🎵 O REC O PLAY
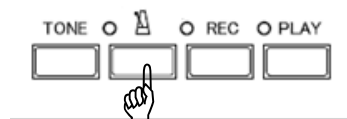
**Metronome Setup**

🎵 - Press and hold the metronome button for about two seconds.

TONE O 🎵 O REC O PLAY
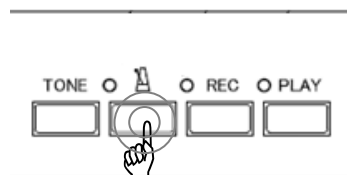
The metronome lamp flash is indicating that you are in the setup mode. The metronome will also begin to sound.

TONE O 🎵 O REC O PLAY

**See next page.**

**Beat** - Piano keys are used to choose the beat. (refer to the figure on the next page). The metronome can be set up with the following beat patterns: 0, 2, 3, 4, 5, 6, 8. Use the piano keys indicated to select the desired beat pattern.

**See next page.**

**Tempo** - Refer to the figure on the next page. To set the tempo, enter the desired tempo using the lowest 10 white keys on the piano. It is necessary to enter the tempo as a 3 digit number, so tempos less than 100 need to be preceded by a "0" e.g. for 60 please enter 060. The allowable tempo range is 030 to 250.

**See next page.**

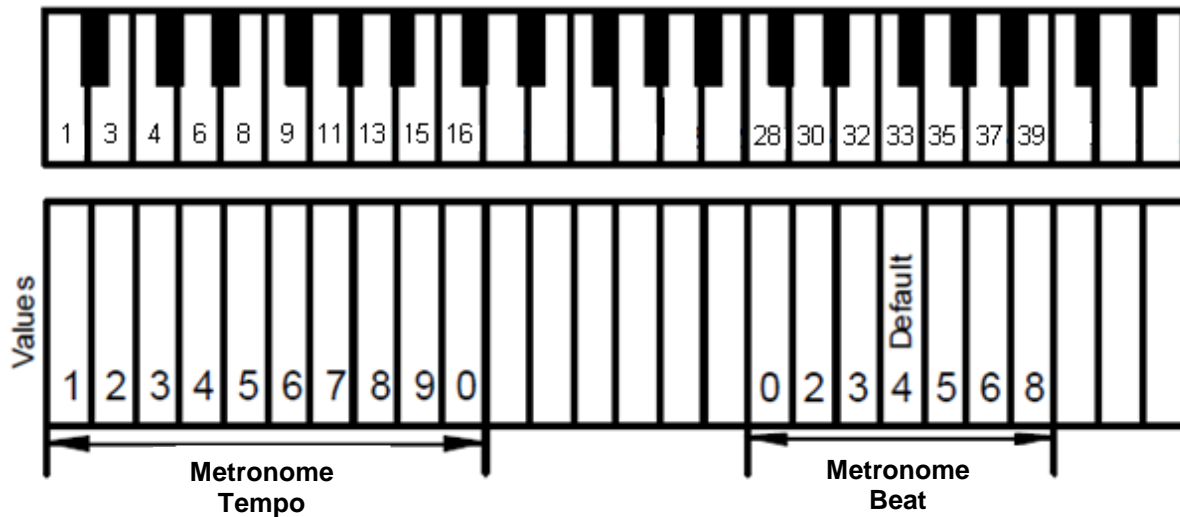**Volume** - (Refer to the figure on the next page).

TONE O 🎵 O REC O PLAY
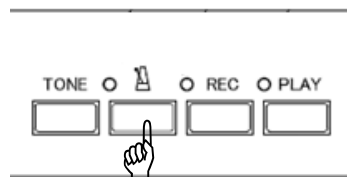
🎵 - Exit setup mode by pressing the metronome button. The metronome lamp changes from flash to solid. The metronome will continue to sound until the metronome button is pressed again.
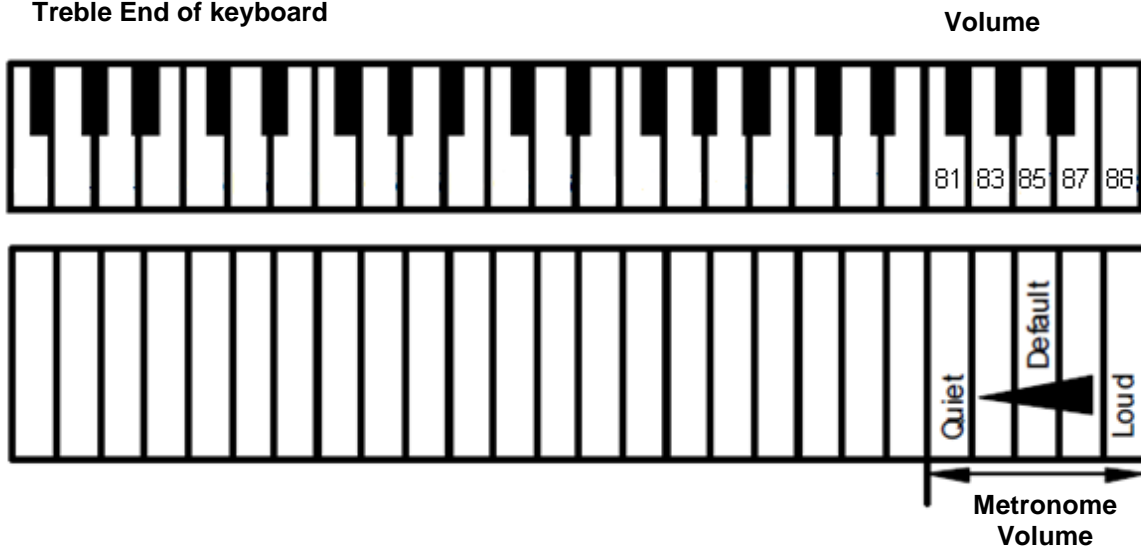
**NOTE:**
The metronome settings are saved when power is turned off.

**Piano keys needed for metronome setup**

**Bass End of keyboard**



Values

1 2 3 4 5 6 7 8 9 0          0 2 3 4 5 6 8

Default

**Metronome
Tempo**

**Metronome
Beat**

**Treble End of keyboard**

**Volume**



81 83 85 87 88

Quiet    Default    Loud

**Metronome
Volume**

21

**Recording and Playback**

QuietTime can record your piano performance and play it back at a later time. There are 10 banks that act as memory storage for the recorded song. The figure on the next page shows which piano keys are used to access the storage banks.

**Record Instructions**


Left Side of the keyboard
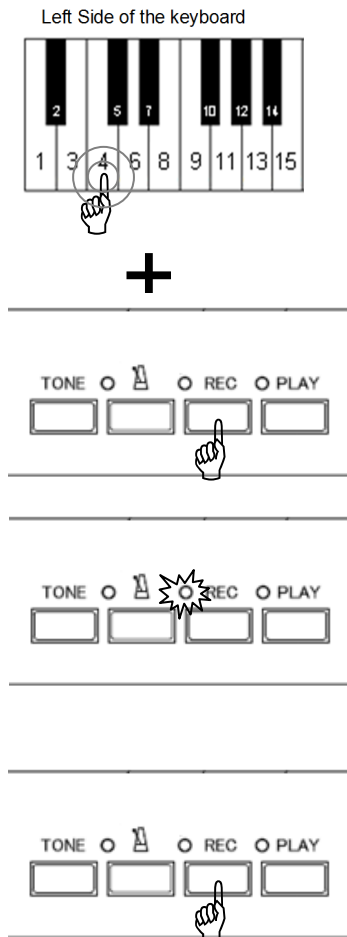
**Piano key** - Press and hold the piano key for the bank you wish to record to.



**REC**- Then press the "REC" button.



The "REC" lamp will light up to indicate that you are in the record mode.

- If you do not select a bank to record to, bank 1 will be selected by default.
- Recording will start when you play the first note or press a pedal.



**REC** – Stop recording. When you are finished, press the "REC" button. The "REC" lamp will turn off and data will be saved in the selected bank.

**NOTE**

- Recording to a bank that already has data will cause the previously stored data to be overwritten.
- Any instrument can be setup to record. However it cannot be changed during the recording.
- The metronome can be used during recording but the sound is not recorded.
- Each bank can store about 10, 000 key or pedal strokes. Once this limit is reached, recording will be stopped automatically.
- The recorded data is saved when power is turned off.

**Delete a Recorded Song**



**Sustain Pedal + REC** - Press and hold the sustain pedal, then press and hold the "REC" button.
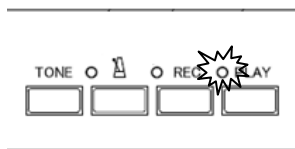
**Piano key** - Press the piano key for the bank you wish to delete (see the figure on the next page). A chime will sound confirming that the data has been deleted. Performing a System Default (see Capter 10.10) deletes any data stored in all 10 banks.
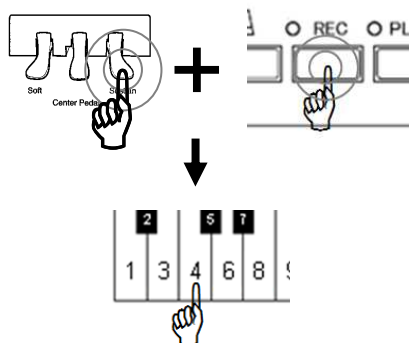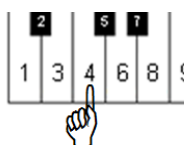
**Playback Instructions**
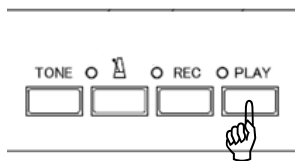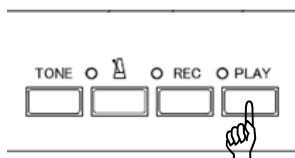


**PLAY** - Press the "PLAY" button.



The "PLAY" lamp turns on to confirm that QuietTime is in play mode. The recorded song in bank 1 will begin to play about 1 second later.



**Piano key** - To select a different bank, press the piano key for the bank desired.

**NOTE:**
You can also play the piano during playback.



**PLAY** - To stop the playback, press the "PLAY" button. The "PLAY" lamp will turn off and playback stops.

**NOTE**

- The first 10 white keys of the piano are assigned to bank selection during playback. Therefore they will not sound if you play along with the recording. If they are pressed during playback, a different bank will be selected for playback. Likewise, the last three white keys of the piano are assigned to tempo change functions during playback and will not sound.
- Playback will not start if there is no data in bank 1. If there is data in any of the other banks, press and hold the bank you want to play, and then press the "PLAY" button.
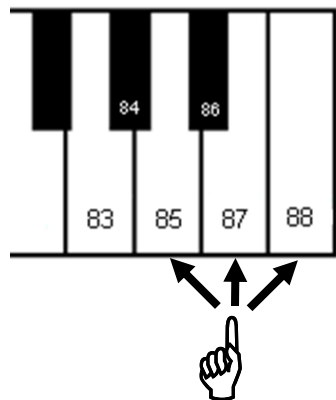
**Bass End of Keyboard**



**Record Banks**

23
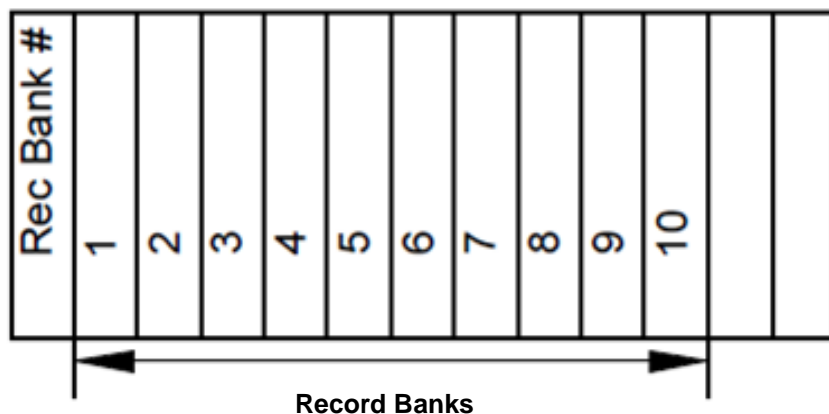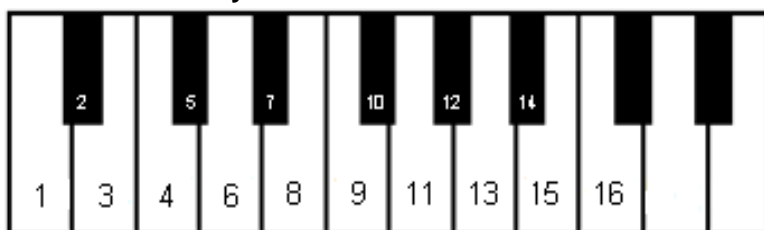
**Changing the tempo of the playback of a recorded song**

The tempo of the playback of a recorded song can be changed during playback. The range of adjustment is from 50% to 200% of the normal tempo.
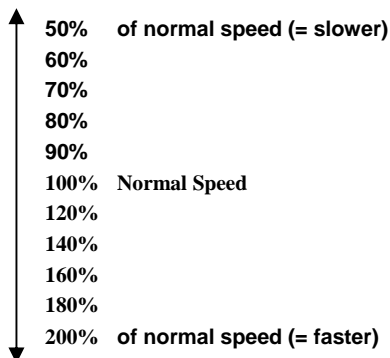
<div align="center">

**Tempo Instructions**

</div>

| |
|---|
| **See**<br>**Playback Instructions** |

Select a bank that has recorded data and play it back as described above.
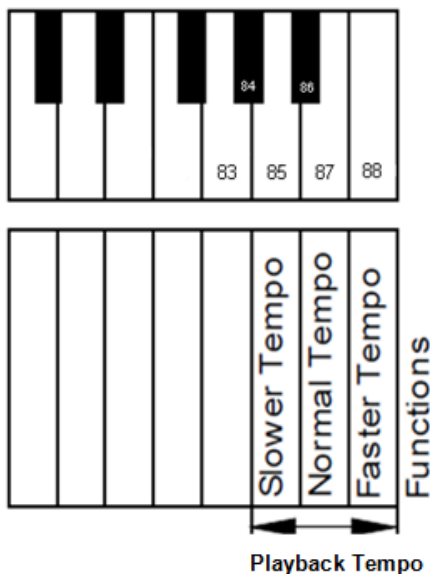


**Piano key** - Press one of the piano keys that control tempo (Refer to the following figure.)

- <u>Key 85 decreases</u> the tempo and
- <u>Key 88 increases</u> the tempo in 5 steps either direction from normal.
- <u>Key 87 returns</u> the tempo <u>to normal</u>.

| | |
|---|---|
| **50%** | **of normal speed (= slower)** |
| **60%** | |
| **70%** | |
| **80%** | |
| **90%** | |
| **100%** | Normal Speed |
| **120%** | |
| **140%** | |
| **160%** | |
| **180%** | |
| **200%** | **of normal speed (= faster)** |



**Treble End of Keyboard**

Slower Tempo    Normal Tempo    Faster Tempo    Functions
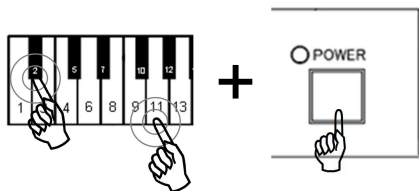
Playback Tempo

**Chapter 5    Adjustments and Configurations**

**Note Repeat Limit**

ProRecord can be set up with limits to how many times a note can be repeated per second.
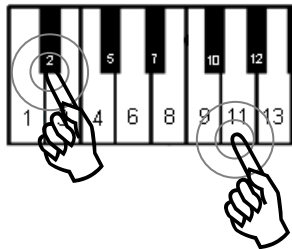
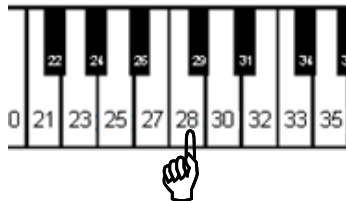**Setup Instructions**

Bass end of keyboard



**Piano keys 2 and 11 + Power ON** - Press and hold Key 2 and 11 while turning the power on (refer to the figure below).
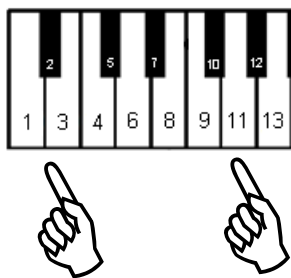
If a MIDI device is connected, a MIDI signal will sound confirming that the system is in setup mode.



**Piano keys 2 and 11** - Continue holding the two piano keys.



**Piano key 16, 18, ….. 39, 40** - Select the repeat limit desired from the keyboard (see figure below).



Release the two piano keys to store your setting and to exit setup mode.

**Caution!**

Choosing a re-strike limit that exceeds the piano capability may cause undesirable effects.
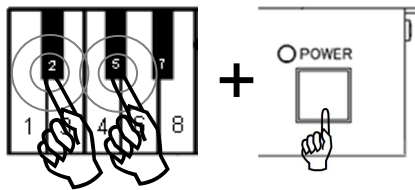
**Bass end of keyboard**



**Number of restrikes per second**
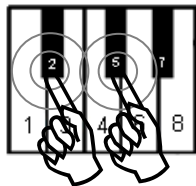
**Tuning (Adjusting the Pitch)**

The Pitch of this instrument is set at A4 = 440 Hz. You can fine-tune the pitch up or down in 0.5 Hz steps. The maximum adjustment either direction is 13 Hz.

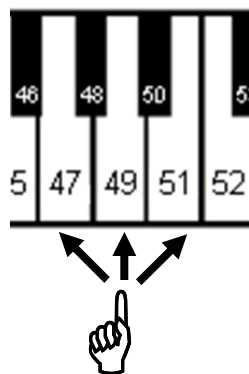**Tuning Instructions**

Bass end of keyboard

**Piano keys 2 and 5 + Power ON** - Press and hold keys 2 and 5 while turning the power on. A chime will sound confirming that you are in setup mode.

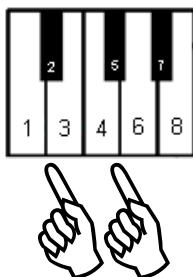**Piano keys 2 and 5** - Continue holding the two keys.

**Piano key 47** - To lower the pitch, press key 47 repeatedly until the desired pitch is established. Key 47 lowers pitch by about -0.5 Hz per step (maximum of -13 Hz).

**Piano key 51** – To raise the pitch, press key 51 repeatedly until the desired pitch is established. Key 51 raises pitch by about +0.5 Hz per step (maximum of +13 Hz).

**Piano key 49** – Use piano key to return to A.440, press key 49.

**Piano Keys 2 and 5** - Release the two keys 2 and 5 to save your setting and exit setup.

**Note:**

In some pianos the tuning effect may not be available.

Setting will be retained when the unit is powered off.

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**Touch Control (Adjusting the touch)**

ProRecord has the capability of changing the touch of the keyboard (lighter or heavier). While it does not actually change the touch of the piano action, it can give the impression that the action is lighter or heavier. The idea is to match the feel of your acoustic piano. A heavier action would use a setting of 1 or 2 and a lighter action would be set to 7 or 8. The factory default for Touch Control is 4, this is applies e.g. to a Yamaha U3.
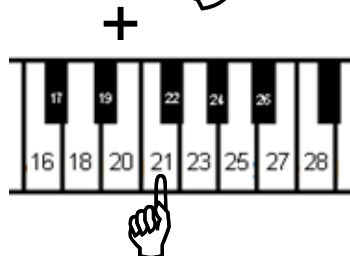
**Touch Control Instructions**

Bass end of keyboard
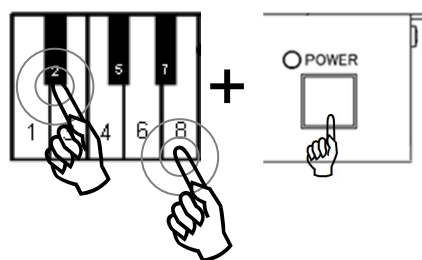


**Piano keys 2 and 8 + Power ON** - Press and hold down keys 2 and 8 (see figure below) while turning the power on. You will hear a MIDI signal that confirms that the system is in the setup mode.
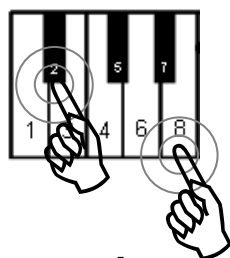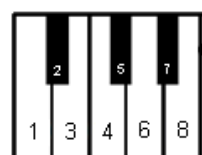


**Piano keys 2 and 8 -** Continue holding the two keys.



**Piano key 16, 17 … 27 or 28** - Select the desired touch control setting by playing the matching piano key. (Refer to the figure below). Here are some typical settings:

YAMAHA ： $3 \sim 5$

KAWAI ： $2 \sim 3$



**Piano keys 2 and 8 -** Release the two keys to store your setting and to exit setup. The setting is retained when the power is turned off.
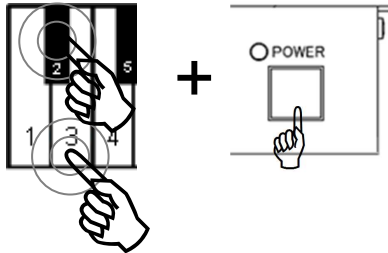


Bass end of keyboard

Touch Control Settings

27

**Pedal Settings**

ProRecord allows you to set the depth at which the pedal function turns on. You can also enable a proportional pedal function for the sustain pedal if desired.
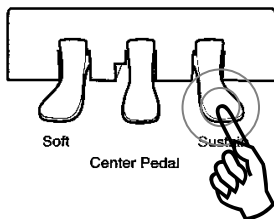
**Pedal ON Position**



**Piano keys 2 and 3 + Power ON -** Press and hold key 2 and 3 while turning the power on. A chime will sound to confirm that you are in pedal setup mode.
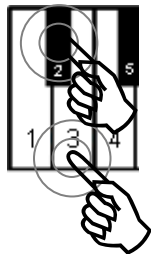


**Piano keys 2 and 3 -** Continue holding the two piano keys.



**Piano Pedal Left, Center or Right** - Press the pedal you wish to set to the depth which you want it to turn on. Hold the pedal at this position.



**PLAY**- Press the "PLAY" button. A chime will sound indicating that the pedal "ON" position has been set.



**Piano keys 2 and 3 -** Release the two piano keys.

## Pedal Resolution Setting
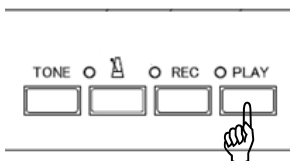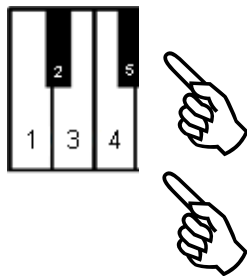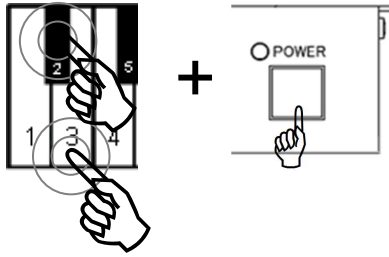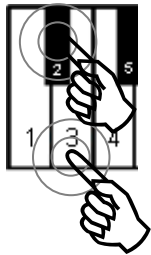
**Enable/disable proportional pedal**

**Piano keys 2 and 3 + Power ON -** Press and hold key 2 and 3 while turning the power on. A chime will sound to confirm that you are in pedal setup mode.

**Piano keys 2 and 3 -** Continue holding the two piano keys.
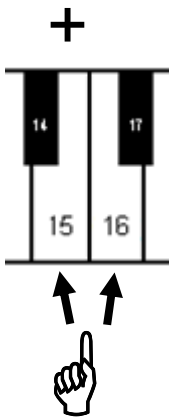
**Piano key15 or 16** - To enable or disable proportional damper pedal.

- Press key 16 for proportional pedal or
- key 15 for ON/OFF pedal.

Release the two piano keys to exit setup mode.

**Note:**

Proportional pedal is not recommended for use with a piano player system.

Bass End of Keyboard

ON/OFF (Default)    Proportional
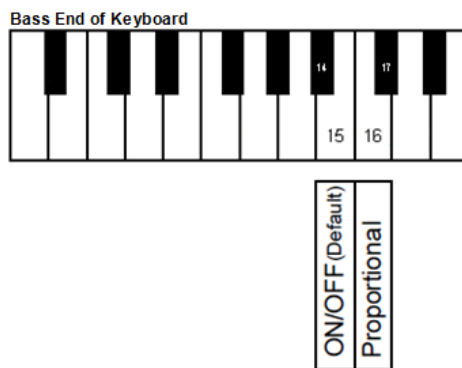
**Damper Pedal Function**

**Setting Key Depth for Note-on and Enabling / Disabling contiguous Note-on**

**Key depth instructions**

Bass End of Keyboard
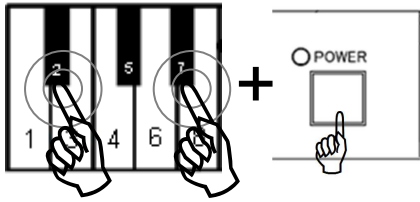
**Piano keys 2 and 7 + Power ON** - Press and hold keys 2 and 7 while turning the power on. A MIDI signal will sound confirming that you are in the setup mode.
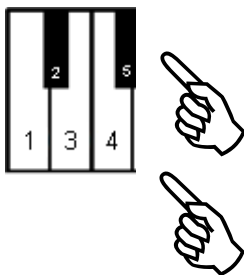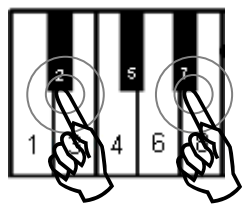
**Piano keys 2 and 7 -** Continue holding the two keys.

**+**

**Piano key 16, 18, 20 or 21** - Select the depth desired for the note to turn on. Minus 2 and Minus 1 will cause the note to turn on earlier in the key travel, while plus 1 causes the note to turn on later. (Refer to the following figure.)

**Piano keys 2 and 7 -** Release the two keys to save your setting and exit setup.

Bass end of keyboard

30
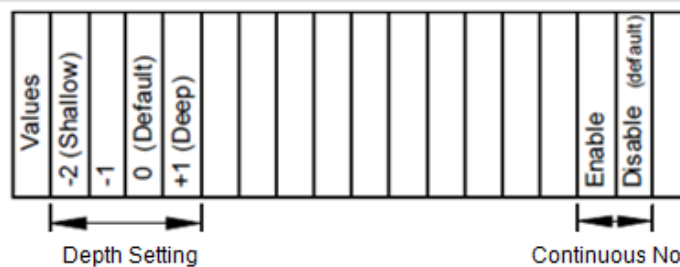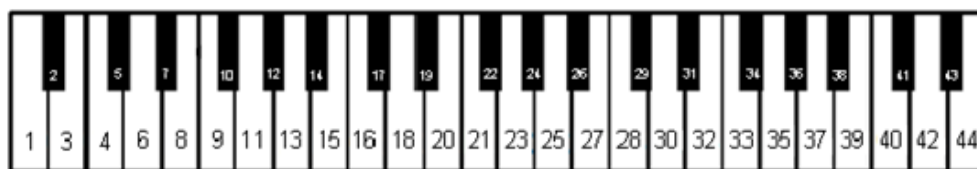
**Continuous note-on instructions**

Bass End of Keyboard
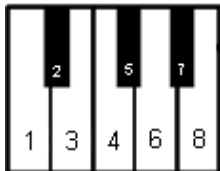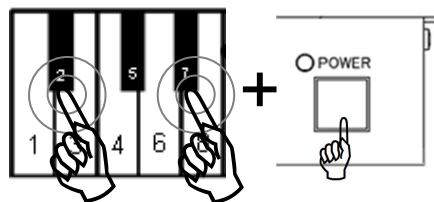
**Piano keys 2 and 7 + Power ON** - Press and hold keys 2 and 7 while turning the power on. A MIDI signal will sound confirming that you are in the setup mode.
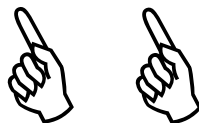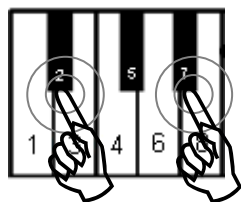
**Piano keys 2 and 7 -** Continue holding the two keys.
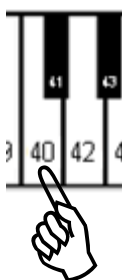
**Piano key 40 or 42** - Select Enabled or Disable (Refer to the following figure.)

**Piano keys 2 and 7 -** Release the two keys to save your setting and exit setup.

Bass end of keyboard

| Values | -2 (Shallow) | -1 | 0 (Default) | +1 (Deep) | | | | | | | | | | | | | | | Enable | Disable (default) |

Depth Setting                    Continuous Note On

31

**Black Keys Volume Control**

If the volume of the black keys is different than the white keys, they can be adjusted to match.

**Black Key Volume instructions**
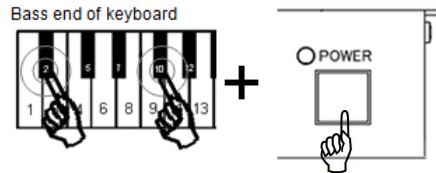
**Piano keys 2 and 10 + Power ON** - Press and hold keys 2 and 10 while turning the power on. A chime will sound confirming that you are in the setup mode.
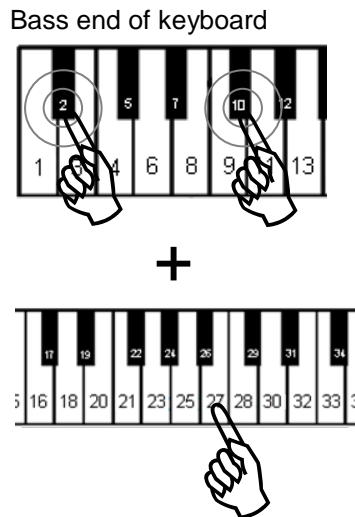
**Piano keys 2 and 10 -** Continue holding the two keys.

**Piano key 16, 18, … 32 or 33** - Select the volume level that best matches the white key volume. (Refer to the following figure.)
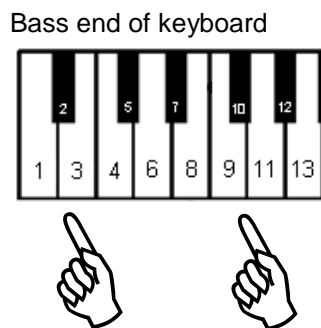
**Piano keys 2 and 10 -** Release the two keys to save your setting and exit setup mode.

## Volume Control for Individual Keys（Bass Keys）

The volume level for individual keys can be adjusted in order to get even volume from note to note. The lower half of the keyboard must be done separately from the upper half. The range of the adjustment is from -5 to +5. (default is ±0)

**Volume Setting Instructions**
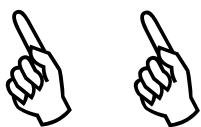
Treble end of keyboard
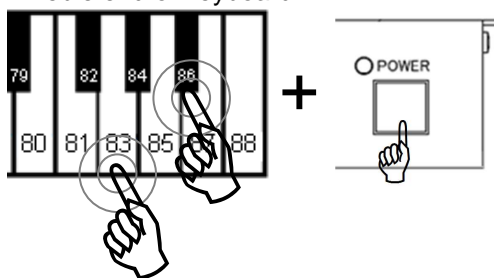
1. **Piano keys 86 and 83 + Power ON** -To increase volume, press and hold keys 86 and 83 while turning the power on. A chime will sound to confirm that you are in the setup mode.
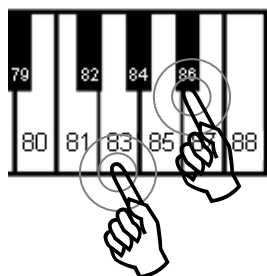
2. **Piano keys -** Continue holding the two keys.

3. **Piano key 1, 2 … 42 or 44.** - Select the note that needs to be adjusted from the lower half of the keyboard (key 1 through 44) and press the key repeatedly until the desired volume is reached. Adjust other notes as needed.

Treble end of keyboard
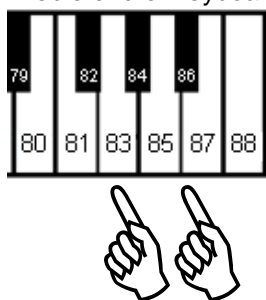
4. **Piano keys -** Release the two keys to save the setting and exit setup mode.

Treble end of keyboard
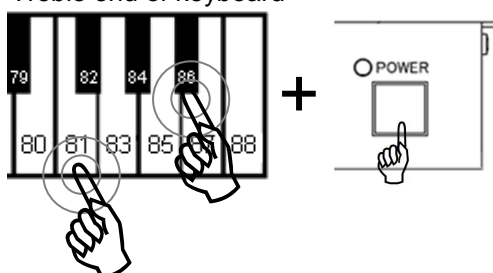
**Piano keys 86 and 81 + Power ON** - To decrease volume, press and hold 86 and 81 while turning on the power. Then do steps (2), (3) and (4) as described above.

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**Volume Control for Individual Keys（Treble Keys）**

Volume adjustment for individual keys in the upper half of the keyboard (45 through 88) is done in the same way as the lower half except that the setup keys are different. In addition, there is a reset key which returns all values to the default setting of "0".

**Volume Setting Instructions**
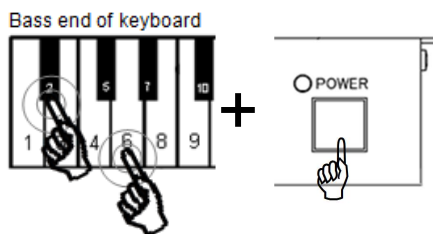
1. **Piano keys 2 and 6 + Power ON** -To increase volume, press and hold keys 2 and 6 while turning the power on. A chime will sound to confirm that you are in the setup mode.
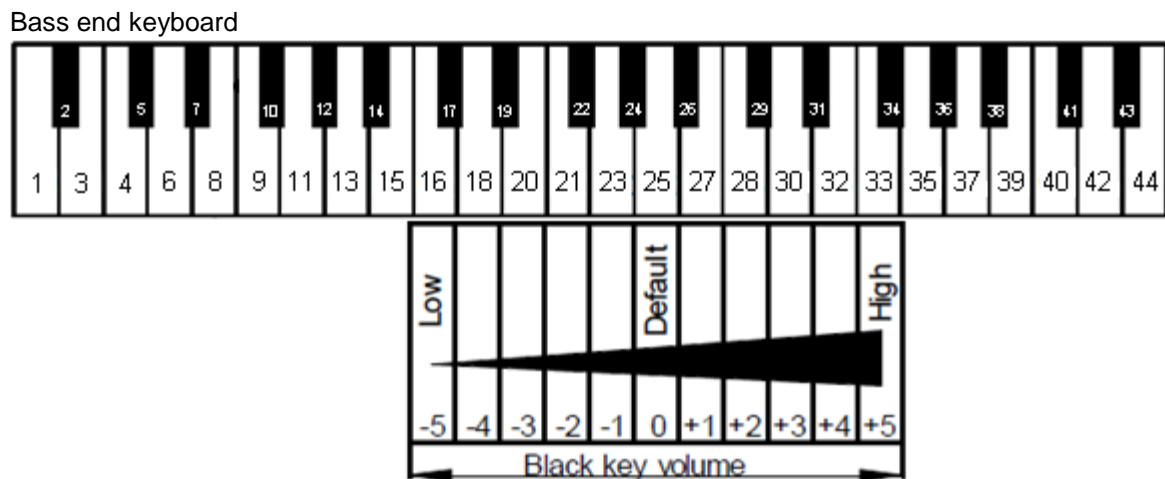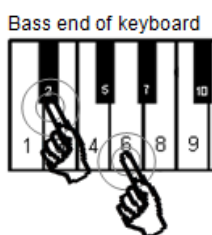
2. **Piano keys -** Continue holding the two keys.
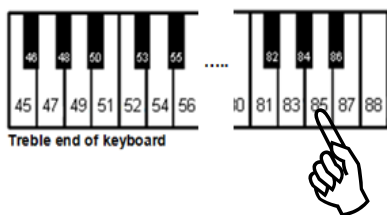
3. **Piano key 45, 46 … 87 or 88.** - Select the note that needs to be adjusted from the upper half of the keyboard (key 45 through 88) and press the key repeatedly until the desired volume is reached. Adjust other notes as needed.
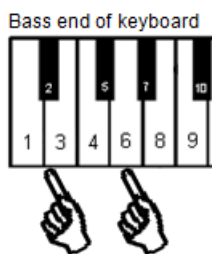
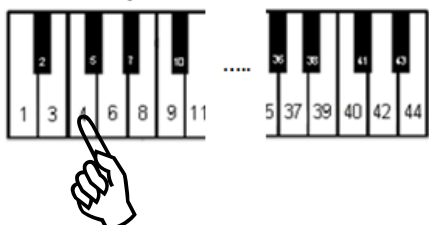4. **Piano keys -** Release the two keys to save the setting and exit setup mode.
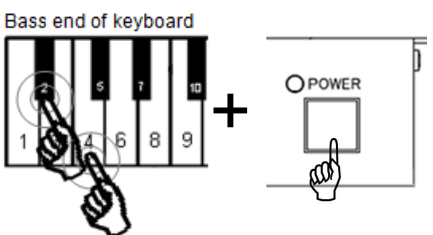
**Piano keys 2 and 4 + Power ON** - To decrease volume, press and hold 2 and 4 while turning on the power. Then do steps (2), (3) and (4) as described above.
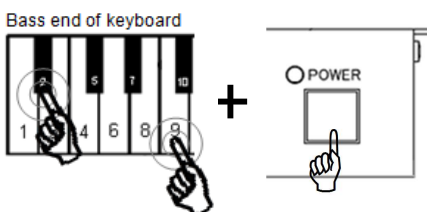
**Piano keys 2 and 9 + Power ON -** To reset all values to "0", press and hold keys 2 and 9 while turning on the power. Then do step (4) as described above.

**Reset to Factory Defaults**

**Caution!**

When this process is performed, ProRecord will cease to operate normally. An initial setup is required in order to continue using. The initial setup procedure is outlined on the next page. The following charts show the default settings:

---

**Default Configuration**

Recorded song : All Deleted
Number of Re-strikes Per Second : 18
Initial Setting : Clear
Sensor Calibration : Clear
Sensor Automatic Calibration : ON
Touch Control : 4
Pedal Positioning : Clear
Damper pedal function : ON/OFF
Adjusting the Depth to Sound : 0
Continuous note-on MIDI commands : disabled
Black Keys Volume Control : 0
Volume Control for Each Key : All 88 keys＝ "0"

---

**Reset to Factory Defaults**

Bass end of keyboard
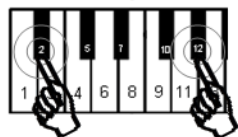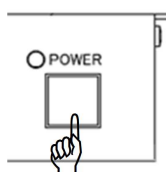
**Piano keys 2 and 12 + Power ON** -.Press and hold keys 2 and 11 while turning the power on (see figure below). A MIDI signal will sound and the

"PLAY" and "REC" lamps will flash alternately.

Bass end of keyboard
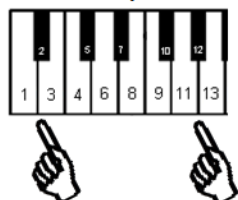
**Piano keys 2 and 11 -** Release the two keys.

The "PLAY" and "REC" lamps will stop flashing and the system as been reset to default values.

**Initial Setup Instructions**
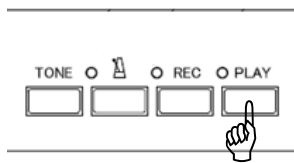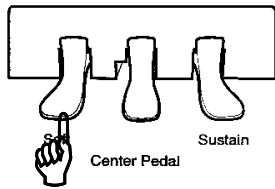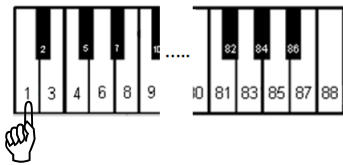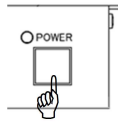
1. **Power On** - Turn the power on.

2. A chime will be heard and the "PLAY" and "REC" lamps will flash alternately indicating that the system is in "Initial Setup Mode".

3. **Piano keys 1 to 88** - Play each note of the keyboard with equal force, making sure each key goes to full depth. When each note is released, the note will sound slightly delayed indicating that each key was calibrated.

4. **Left, center and right pedal** - Press each pedal with equal force and full depth. A chime will sound after each pedal is press indicating that the pedal was calibrated. The chime for each pedal will be a different pitch.

5. **PLAY** - Push the "PLAY" button. If the calibration of all keys and pedals was successful, a chime will be heard and the "PLAY" and "REC" lamps will stop flashing.

**Notes:**

o If the system is powered off before the "PLAY" button is pressed, the calibration procedure will not be completed and must be done again.

o It may be helpful to pause a moment between each note to ensure that the note calibrates properly.

o If any key or pedal did not calibrate properly, setup cannot be completed until the keys and/or pedals have been calibrated. The system will play the MIDI note of the keys or pedals that need to be calibrated. Play the keys or pedals again and then push "PLAY".

o The Initial setup procedure will reset the touch control setting. Therefore, you must repeat the procedures outlined for touch control to restore to your desired setting

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**Sensor Re-Calibration**

The sensitivity of the keyboard and pedal sensors can change with time and/or temperature. Periodic adjustments are required to keep your system operating at its optimum performance.

**Re-Calibration Instructions**
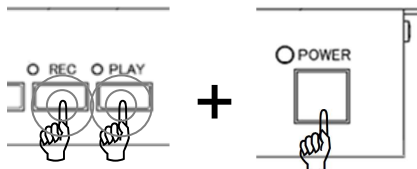
1. **PLAY and REC + Power ON** -Press and hold the "PLAY" and "REC" while turning the power on.
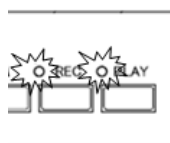
2. A chime will be heard and the "PLAY" and "REC" lamps will flash alternately indicating that the system is in "Initial Setup Mode".
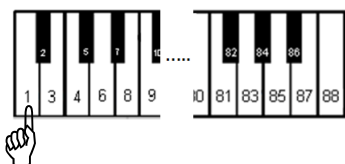
3. **Piano keys 1 to 88** - Press and release the key(s) to full depth and use the same force for all keys. A note will sound slightly delayed indicating that the key was re-calibrated. If no note is heard, it did not need calibration. It is not necessary to play each key. Only those that need re-calibration.
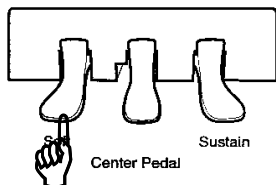
4. **Left, center and right pedal** - Press and release any pedal that needs to be re-calibrated. Be sure and press the pedal to its full depth. A chime will sound indicating that the pedal was re-calibrated. If no chime was heard, it did not need re-calibration. It is only necessary to press the pedal(s) that needs re-calibration.
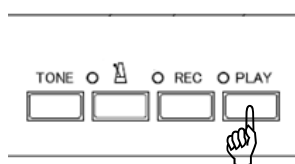
5. **PLAY** - Press the "PLAY" button. If the calibration procedure was successful, a chime will sound and the "PLAY" and "REC" lamps will stop flashing.

**Notes:**

o If the system is powered off before the "PLAY" button is pressed, the calibration procedure will not be completed and must be done again.

o It may be helpful to pause a moment between each note to ensure that the note calibrates properly.

o If any key or pedal did not calibrate properly, setup cannot be completed until the keys and/or pedals have been calibrated. The system will play the MIDI note of the keys or pedals that need to be calibrated. Play the keys or pedals again and then push "PLAY".

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**Automatic Sensor Calibration**

ProRecord has the capability of calibrating the key and pedal sensors automatically. This function is enabled by default but can be disabled if desired.

**Disable Automatic Sensor Calibration**

**Bass end of keyboard**

**Piano keys 3 and 7 + Power ON** - Press and hold keys 3 and 7 while turning the power on. A MIDI signal will sound indicating that the automatic sensor calibration function has been disabled.
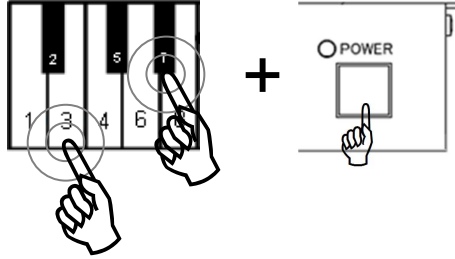
**Enable Automatic Sensor Calibration**

**Bass end of keyboard**

**Piano keys 3 and 6 + Power On** - Press and hold keys 3 and 6 while turning the power on. A MIDI signal will sound indicating that the automatic sensor calibration function has been
enabled.

38
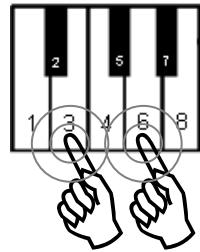
**Appendix: Technical Information**

**About MIDI**

MIDI is an abbreviated name of Musical Instrument Digital Interface. The performance information on a musical instrument, the change information on a tone, etc. can be transmitted. It is a common protocol in the world.

**MIDI (Connecting to Other Device)**

ProRecord can be connected to a personal computer or MIDI device using a dedicated USB cable or MIDI interface cable.

・ For Personal Computer:  USB Cable
・ For MIDI Device:           MIDI interface Cable

| | |
|---|---|
| **Connection to a personal computer** | If a personal computer is connected to your ProRecord, the information is transmitted to the computer as MIDI data. The MIDI data can then be edited and saved on the computers hard drive or other storage device. |
| **Connection to a MIDI device** | If a MIDI device is connected to your ProRecord, the information coming from ProRecord is transmitted to the MIDI device as MIDI data. The MIDI data can then be used by the MIDI device. |

**MIDI channel Specifications**

ProRecord outputs data from the keyboard to the MIDI channel 1. Playback of the recorded data is output to the MIDI channel 2.

**Example of connection with a personal computer**

Connect a personal computer with the USB mini B jack of the control box.
Once the connection is established your computer will install MIDI drivers automatically.
(Compliant OS: WindowsXP, WindowsVISTA, Windows7)
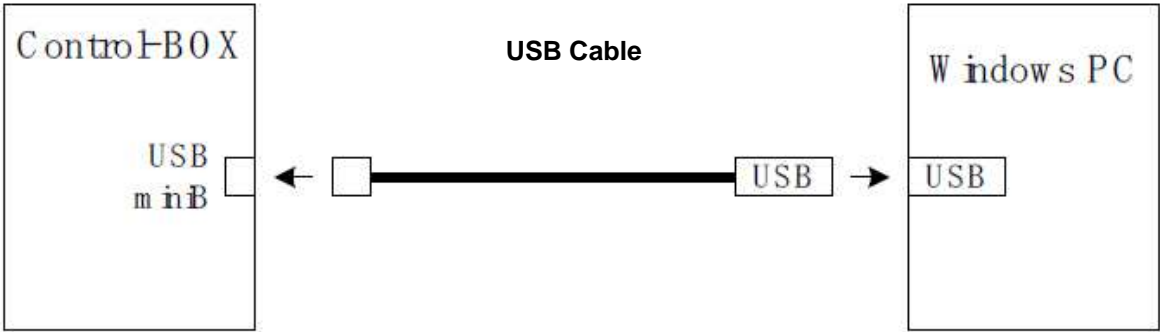
**USB Cable**

**Example of connection with a MIDI device**

Connect a MIDI device with the MIDI jack of the control box.

**MIDI Cable**
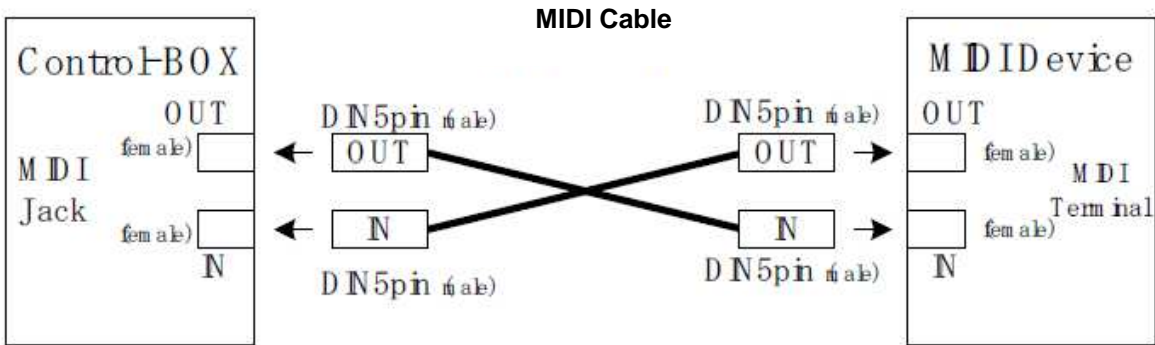
**Note**:
MIDI and USB cables cannot be used simultaneously.

**MIDI Implementation Chart**

| Function | | Transmitted | Recognized | Remarks |
|---|---|---|---|---|
| Basic Channel | Default | 1 | 1-16 | |
| | Changed | × | 1-16 | |
| Mode | Default | 3 | 3 | |
| | Messages | × | × | |
| | Altered | ★★★★★★★★ | × | |
| Note Number | | 21 – 108 | 0-127 | |
| | : Range | ★★★★★★★★ | 0-127 | |
| Velocity | Note ON | ○ | ○ | |
| | Note OFF | ○ | ○ | |
| After Touch | Keys | × | × | |
| | Channels | × | ○ | |
| Pitch Bend | | × | ○ | |
| Control Change | 64 | ○ | ○ | |
| | 66 | ○ | ○ | |
| | 67 | ○ | ○ | |
| | 00 | | ○ | |
| | 01 | | ○ | |
| | 05 | | ○ | |
| | 06 | | ○ | |
| | 07 | | ○ | |
| | 10 | | ○ | |
| | 11 | | ○ | |
| | 65 | | ○ | |
| | 91 | | ○ | |
| | 93 | | ○ | |
| | 120 | | ○ | |
| | 98, 99 | | ○ | |
| | 100, 101 | | ○ | |
| Program Change | | ○ | ○ | |
| | : True# | ★★★★★★★★ | 0-127 | |
| System Exclusive | | ○ | ○ | |
| Common | : Song Position | × | × | |
| | : Song Select | × | × | |
| | : Tune | × | × | |
| System Real Time | : Clock | × | × | |
| | : Commands | × | × | |
| Aux | : Local ON/OFF | × | × | |
| | : All Notes OFF | × | ○ | |
| | : Active Sense | × | × | |
| | : Reset | × | × | |
| Notes | | | | |

Mode1：OMNI ON 、POLY Mode2：OMNI ON 、MONO     ○：Yes
Mode3：OMNI OFF、POLY Mode4：OMNI OFF、MONO     ×：No

# Technical Specifications

| | |
|---|---|
| **Polyphony** | 128-notes |
| **Instrument List** | Main Instruments: Piano, Bright Piano, Mellow Piano, Electric Piano1, FM Electric Piano, Church Organ, Warm Organ, Percussive Organ. User can choose 72 additional instruments via piano keyboard |
| **Effect** | Reverb (Room, Hall), Chorus (Rotary), Delay |
| **Metronome** | Beat       :     OFF, 2, 3, 4, 5 6, 8<br>Tempo   :     30 ~ 250<br>Volume   :     5 Level |
| **Record/Playback** | Record     :     10 Banks, Memory Size about 10,000 notes per Bank<br>Playback  :     Variable Speed (0,5x ~ 2x) |
| **Tuning** | ± 13Hz (427 ~ 440 ~ 453Hz), default: 440Hz |
| **Transpose** | +/- 1 Octave |
| **Pedal Positioning** | ON/OFF, Proportional (Damper Pedal only) |
| **Number of Repeats Per Second** | 15 Step |
| **Key Depth Settings for Note-on** | 4 Step |
| **Touch Control** | 8 Step |
| **Continuous note-on** | Enable / Disable |
| **Black Key Volume** | ± 5 Step |
| **Volume for Each Key** | ± 5 Step |
| **Demonstration Songs** | 10 |
| **Terminals       Analog**<br>**                  Digital** | Headphones × 2, LINE-OUT x 1<br>MIDI (IN/OUT) x 1, USB x 1 |
| **Power supply voltage** | DC+9V (AC adaptor or supply from EXT IF) |
| **Accessories** | Headphones, Power adapter, Owner's manual (this book) |
| **Optional accessories** | USB to MIDI cable, USB cable, Powered Speakers, 2nd Pair of Headph. |

The specifications listed above can be subject to change without any prior notice.

# Troubleshooting

● **The unit turns on but does not play. And the "PLAY" and "REC" lamps are blinking alternately.**

    o  ProRecord is in initial setup mode. Complete initial setup.

● **Power does not turn on.**

    o  Check to see that the power cord is connected correctly. Insert the AC adaptor firmly into the DC9V socket and AC outlet.

    o  Check for power at the AC outlet.

    o  If the problem persists, contact an authorized repair source.

● **Some notes play louder or softer than others or not at all.**

    o  It may be necessary to re-calibrate the system or adjust volume levels. See page 30 to re-calibrate the system. If the black key volume does not match the white keys, see page 25. See pages 26 and 27 to adjust the volume on individual notes.

● **Pedal does not work, or is "stuck".**

    o  It may be necessary to re-calibrate the pedal sensors. See page 30. If the problem persists, contact and authorized repair source.

● **The tempo of the metronome can't be set up.**

    o  Tempo must be set by inputting a 3 digit number using the piano keyboard. A tempo setting of less than 100 must be preceded by "0". The allowable range is 30 to 250. Tempos less than 30 or more than 250 will not be recognized.

**PianoDisc Contact Information**

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Fax: +86 (755) 33301559
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