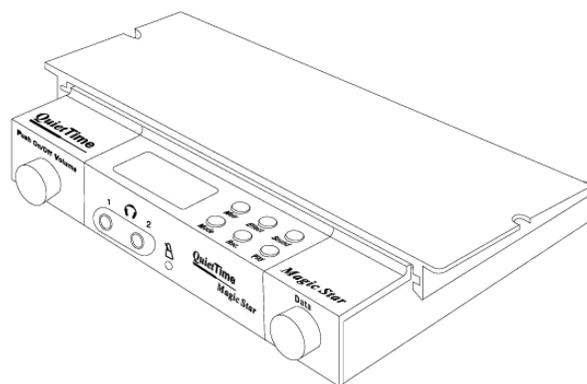


# QuietTime<sup>®</sup> Magic Star<sup>®</sup> V4.0

User Guide  
Version 1.0



A product from  
PianoDisc<sup>®</sup>

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 73/23/EU with Standard EN 60065:1993 and 89/336/EU with Standards EN50082-1 and EN55022.



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 regulations.

**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 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 QuietTime 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. 0.1 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.

## Contents

**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.

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## 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 MIDI 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:

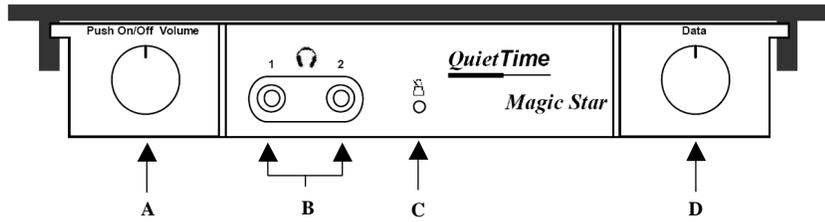
1. A copy of the invoice supplied with your QuietTime System.
2. A letterhead with your address and,
3. A note with QuietTime System's model name and serial number. (The name of the system is on the title page of this manual and the serial number is listed on the QuietTime System's control unit.)

#### Warranty

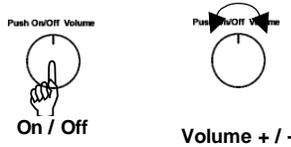
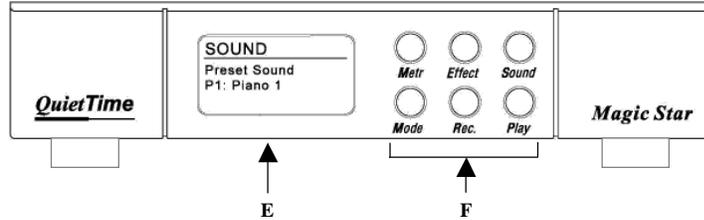
Your QuietTime System comes with a five-year warranty. PianoDisc's warranty covers any damage arising from normal system use.

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.

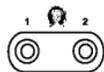
QuietTime Magic Star – Front view



QuietTime Magic Star – Top view; drawer pulled out



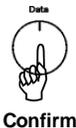
**A Volume control and ON/Off switch** Press the control to switch the system On or Off. Alternatively, turn the control to adjust the volume.



**B Headphone connections.** Both connections can be used simultaneously.



**C Power/Metronome display.** This LED illuminates when the system is switched on or flashes when the metronome is activated.

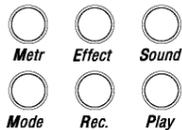


**D Data-wheel.** Turn the data-wheel to select a setting or press it to confirm a system menu entry.



**E Graphics display.** Shows information about the selected feature.

*INFO: If the data-wheel or buttons are not used to make a selection within 30 seconds, the display lighting will turn off.*



**F Menu and mode buttons** Press one of the menu buttons (Metr / Effect / Sound / Rec / Play) to select a menu. Then press the mode button to display the menu features.

Before you start

Is the correct power supply available?

Make sure your power supply complies with the details listed on the accompanying power supply.

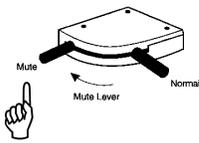
Has the power supply been plugged into the QuietTime tone generator correctly?

Make sure the 12V DC plug is connected into the rear of the QuietTime Magic Star tone generator.

Operation



**Switching on.** Press the volume control gently.



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

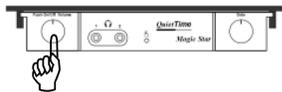


**Plugging in and wearing the headphones.** Plug your headphones into one of the headphone jacks on the tone generator. Then put the headphones on.

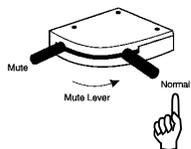


**Controlling the volume.** Play something on the piano. Adjust the headphone's volume using the volume control. Establish a pleasant listening volume level.

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



**Switching off.** Press the volume control gently once.



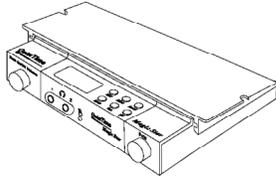
**Deactivating the stop rail.** Move the lever on the left beneath the piano keyboard into the *Normal* position.

**Start Position**

The QuietTime Magic Star System is on, and the stop rail is activated. Sit down at your piano and put on the headphones.

**Removing Magic Star**

To use the QuietTime Magic Star's advance options, pull the tone generator out to the stops.

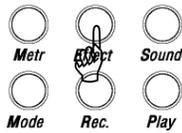


Grab the rear of the case. Then pull the tone generator out to the front. You can now see the system's display and controls.

Push the tone generator back into place when you have finished using the system.

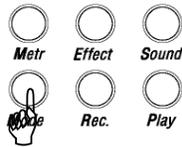
**The Basics**

**How to use the system features:**



**Selecting a menu.** Use one of the *Metr / Effect / Sound / Rec / Play* menu keys to select a menu.

- Menus available:
- Metr. = Metronome menu
  - Effect = Sound effects menu
  - Sound = Instrument tones menu
  - Rec. = Record feature
  - Play = Playback feature



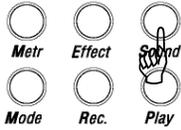
**Feature search.** Keep pressing the mode button until the feature you want appears on the display.



**Settings.** Turn the data-wheel to the required setting.

You can now play the piano, select another menu or use other features.

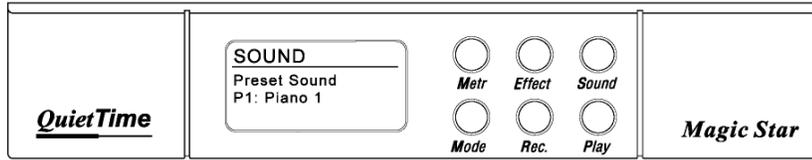
Sound menu



Selecting another instrument tone

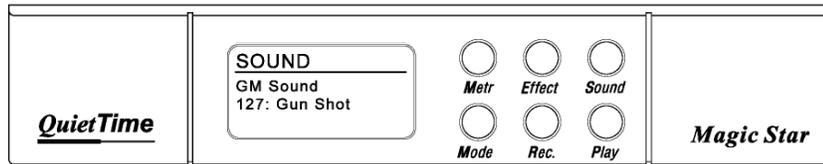
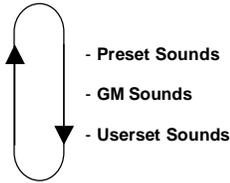
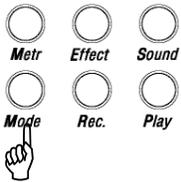
Press the sound key to switch to the Sound menu.

INFO: You are in the Sound menu after you have switched on.

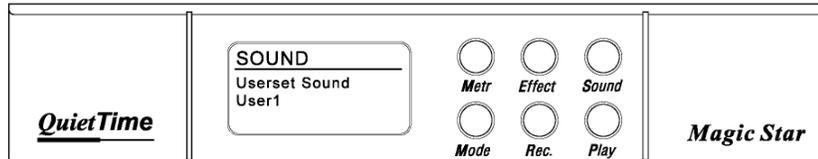


Display in Sound menu

Press the mode button to select the active sound library.



e.g.: Display in Sound menu / GM sounds



e.g.: Display in Sound menu / Userset sounds

Turn the data-wheel to select the instrument you want to play.



e.g. changing display while turning the data wheel

INFO: Available instrument tones are listed on the following page.

**QuietTime Magic Star V4.0 – Tones available**

**Pre-set sound library**

P1: Piano1  
 P2: Piano2  
 P3: Piano1 + Fast Strings  
 P4: Piano1 + Slow Strings

**Popular tones selection**

P5: Fast Strings  
 P6: Slow Strings  
 P7: Harpsichord  
 P8: E-Piano

P9: Ch. Organ  
 P10: Piano2 + Fast Strings  
 P11: Piano2 + Slow Strings

**GM sound library**

000 Piano1  
 001 Piano2  
 002 Piano3  
 003 Honky-Tonk Piano  
 004 E.Piano1  
 005 E.Piano 2  
 006 Harpsichord  
 007 Clavinet  
 008 Celesta  
 009 Glockenspiel  
 010 Musik Box  
 011 Vibraphone  
 012 Marimba  
 013 Xylophone  
 014 Tubula Bells  
 015 Dulcimer  
 016 Organ 1  
 017 Organ 2  
 018 Organ 3  
 019 Church Org.  
 020 Reed-Organ  
 021 Accordion  
 022 Harmonica  
 023 Bandneon  
 024 Nylon.str. Guitar  
 025 Steel-str. Guitar  
 026 Jazz Guitar  
 027 Clean Guitar  
 028 Muted Guitar  
 029 Overdrive Guitar  
 030 Distortion Guitar  
 031 Guitar Harmonics  
 032 Acoustic Bass  
 033 Fingered Bass  
 034 Picked Bass  
 035 Fretless Bass  
 036 Slap Bass 1  
 037 Slap Bass 2  
 038 Synth Bass 1  
 039 Synth Bass 2  
 040 Violin  
 041 Viola  
 042 Cello

**General MIDI tones**

043 Contrabass  
 044 Tremolo Strings  
 045 Pizzicato Strings  
 046 Harp  
 047 Timpani  
 048 Strings  
 049 Slow Strings  
 050 Synth Strings 1  
 051 Synth Strings 2  
 052 Choir „Aahs“  
 053 Voice „Oohs“  
 054 Synth Vox  
 055 Orchestra Hit  
 056 Trumpet  
 057 Trombone  
 058 Tuba  
 059 Muted Trumpet  
 060 French Horn  
 061 Brass 1  
 062 Synth Brass 1  
 063 Synth Brass 2  
 064 Soprano Sax  
 065 Alto Sax  
 066 Tenor Sax  
 067 Baritone Sax  
 068 Oboe  
 069 English Horn  
 070 Bassoon  
 071 Clarinet  
 072 Piccolo  
 073 Flute  
 074 Recorder  
 075 Pan Flute  
 076 Bottle Blow  
 077 Shakuhachi  
 078 Whistle  
 079 Ocarina  
 080 Square Wave  
 081 Saw Wave  
 082 Syn.Calliope  
 083 Chiffer Lead  
 084 Charang  
 085 Solo Vox

086 5th Saw Wave  
 087 Bass + Lead  
 088 Fantasia  
 089 Warm Pad  
 090 Polysynth  
 091 Space Voice  
 092 Blowed Glass  
 093 Metal Pad  
 094 Halo Pad  
 095 Sweep Pad  
 096 Ice Rain  
 097 Soundtrack  
 098 Crystal  
 099 Atmosphere  
 100 Brightness  
 101 Goblin  
 102 Echo Drops  
 103 Star Theme  
 104 Sitar  
 105 Banjo  
 106 Shamisen  
 107 Koto  
 108 Kalima  
 109 Bag Pipe  
 110 Fiddel  
 111 Shannai  
 112 Tinkle Bell  
 113 Agogo  
 114 Stehl Drums  
 115 Woodblock  
 116 Taiko  
 117 Melo Tom  
 118 Synth Drum  
 119 Reverse Cym  
 120 Guitar Fret Noise  
 121 Breath Noise  
 122 Seashore  
 123 Bird  
 124 Telephone  
 125 Helicopter  
 126 Applause  
 127 Gun Shot

**English**

**Userset sound library**

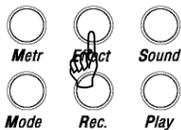
User 1

**Using your own tone settings**

User 2

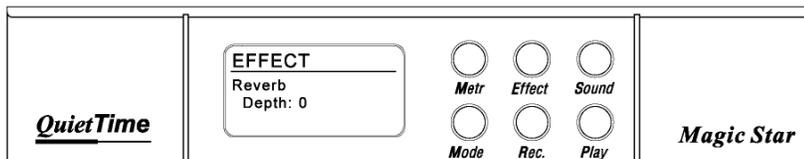
User 3

Effect menu



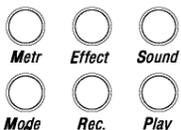
Selecting and adjusting the sound effects

Press the effect key to switch to the Effect menu.



Display in Effect menu / Reverb effect

Press the mode button to select a sound effect.



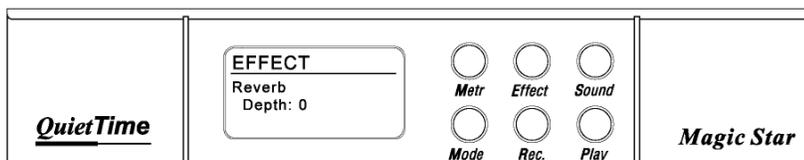
- Reverb-Effect      Reverb      Range: 0 – 127
- Chorus-Effect      Chor      Range: 0 – 127
- Transpose-Effect      Transposition      Range: -/+24
- Pitch-Effect      Tuning      Range: 438 - 445Hz
- Velocity-Effect      Dynamic Curves      Range: 1 - 5

Turn the data-wheel to set up the effect.

You can now play the piano or select another menu and use the other features.

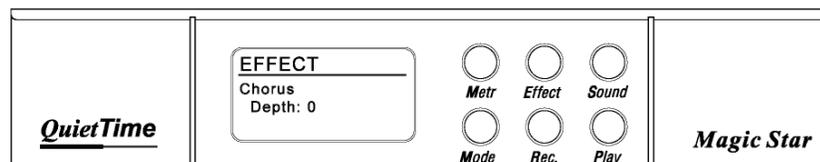
Effects and their impact

**‘Reverb’ effect:** The higher the setting the bigger the room will be in which you play your instrument.



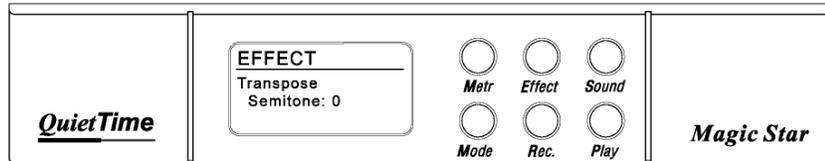
Display in Effect menu / Reverb effect

**‘Chorus’ effect:** This effect gives the impression that you are playing several instruments simultaneously instead of just the one. The tone is more vibrant.



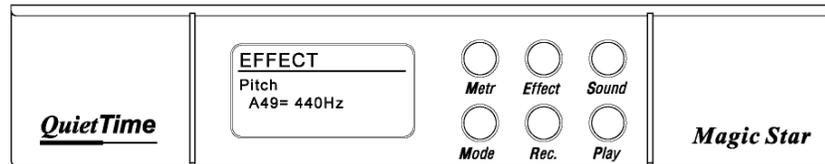
Display in Effect menu / Chorus effect

**'Transpose' effect:** This gives you the option to move the piano's pitch upwards or downwards by 24 halftones.



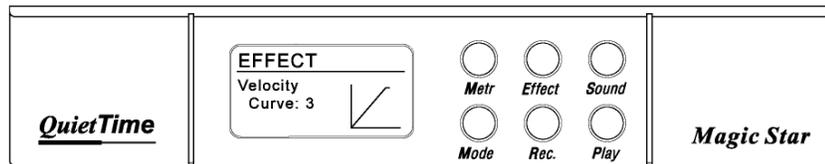
Display in Effect menu / Transpose effect

**'Pitch' effect:** Use this effect to change the system's pitch or match the it to an acoustic instrument you want to accompany.



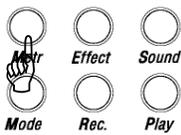
Display in Effect menu / Pitch effect

**'Velocity' effect:** You can set up how lightly/heavily a key must be pressed to attain a specific volume. Example: Velocity 1 = Low volume from a light touch on the key ... Velocity 5 = High volume from a light touch on the key.



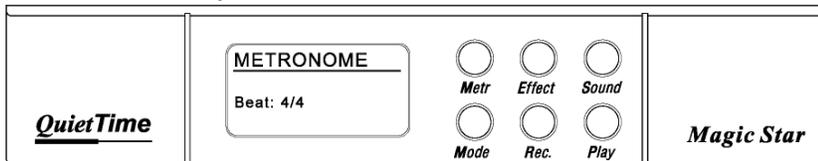
Display in Effect menu / Velocity effect

**Metronome menu**



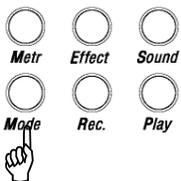
**Using the metronome, setting up as necessary**

**Press the Metr-key** to switch to the metronome menu.

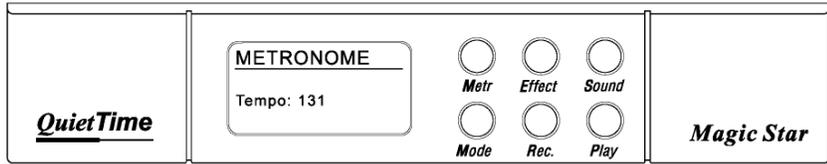


Display in Metronome menu / Beat settings

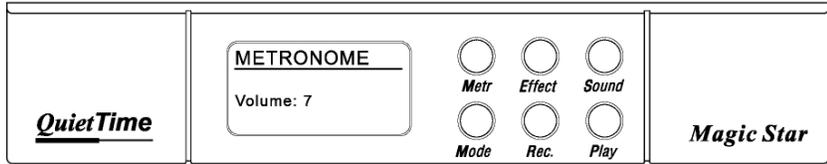
**Press the mode button** to select a metronome setting.



- Tempo settings      Tempo      range: 0 - 250
- Beat settings        Beat        range: 1/2 - 4/2, 1/4 - 8/4, 1/8 - 9/8
- Volume settings     Volume     range: 0 - 9



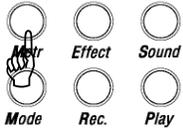
Display in Metronome menu / Tempo settings



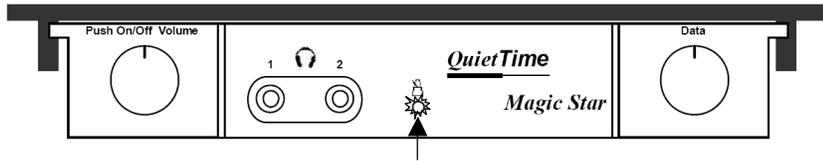
Display in Metronome menu / Volume settings



Turn the data-wheel to set up the setting.



Press the **Metr** button to start or stop the metronome.



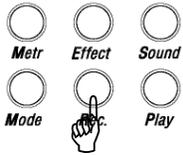
Power LED is blinking with the beat if metronome is turned on.

*INFO: Metronome beat display descriptions*

	Downbeat	Upbeat
Tone	Tick	Tack
LED display	Red	Green

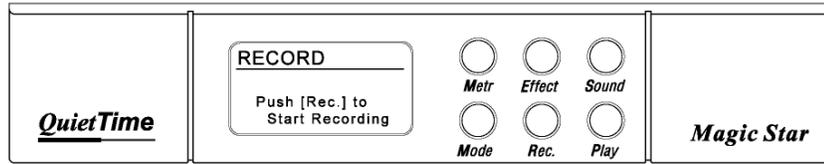
*INFO: The metronome is switched off automatically when you select another menu.*

Record menu

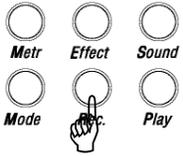


Recording when you are playing the piano

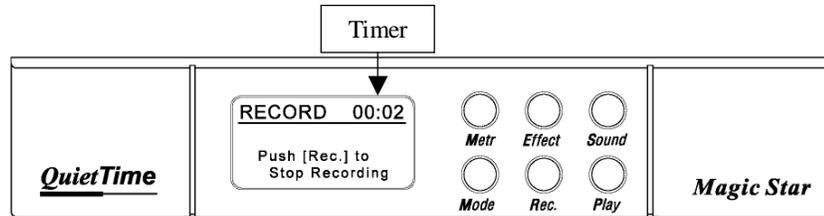
Press the Rec.-button to switch to the Record menu.



Display in Record menu / Display before start recording



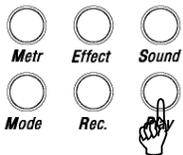
Press the Rec.-button to start or stop recording.



Display in Record menu / Display while recording

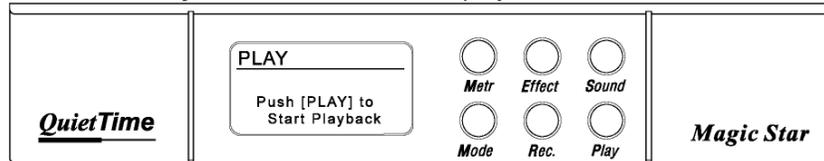
**INFO:** *The system automatically returns to the Sound menu after recording. Your recording is still saved even when the system is switched off or is disconnected from the power supply. A recording that uses more than 30,000 MIDI events can be set up. A new recording will always delete the previous one.*

Play menu

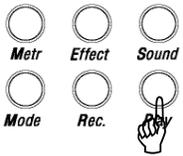


Playing your recording

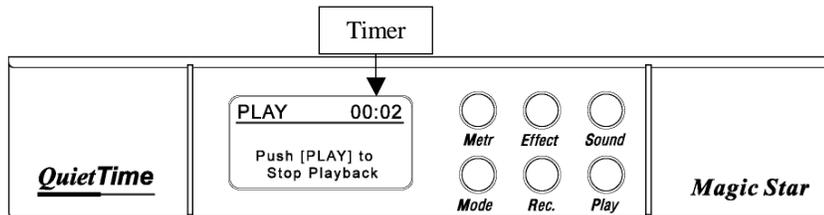
Press the Play button to switch to the play menu.



Display in Play menu / Display before starting Playback



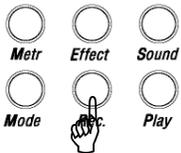
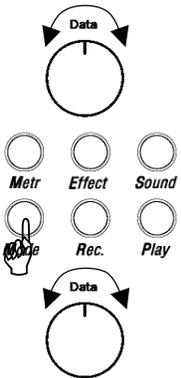
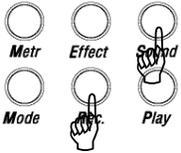
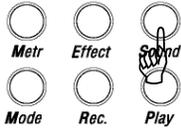
Press the Play button to start or stop the playback.



Display in Play menu / Display while Playback

**INFO:** *The system automatically returns to the Sound menu when playback is finished. The last recording made is always the one played back.*

**Userset edit menu**

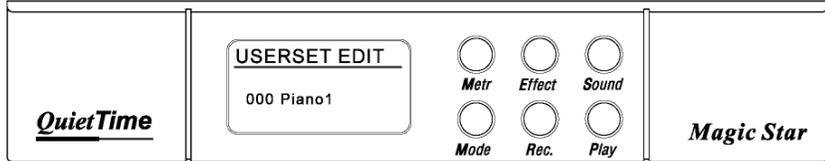


**Setting up the instrument tones using your own settings**

Press the **sound key** to switch to the Sound menu.

Select the **Pre-set sound** or the **GM sound library** as the basis for your new Userset sounds.

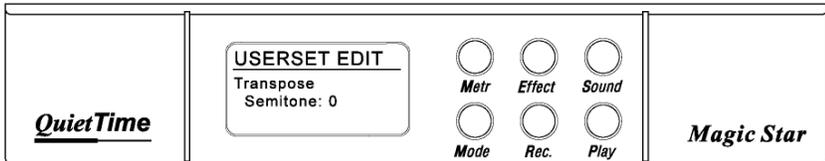
Press the **sound** and **Rec** buttons simultaneously and then release both of them to switch to the Userset edit menu.



Display in Userset Edit menu

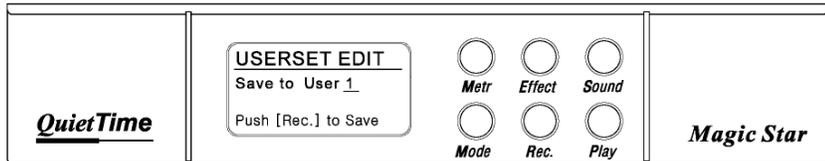
Now turn the **data-wheel** to select the sound that you want to use as the basis for your Userset sounds.

Use the **Mode button** afterwards to select a sound effect, and then use the **data-wheel** to select the setting. Repeat this procedure until you set up all of the effects. (See *Effect menu* for additional information.)



Display in Userset Edit menu, e.g. Transpose settings

Press the **Rec-button** to start saving your Userset sounds.



Display in Userset Edit menu, while saving settings for User1

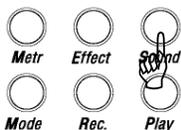
Now use the **data-wheel** to select the memory storage position for your sounds. Available to you are: User1, User2 and User3

Press the **Rec-button** again to finish saving your Userset sounds.

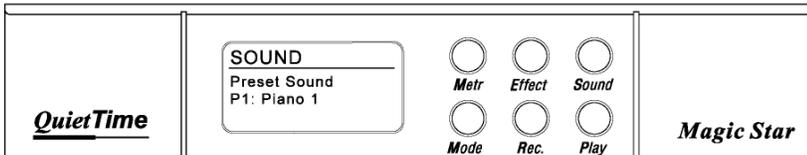
**INFO:** Any existing information stored in the memory storage position that you have selected, e.g. User1, is overwritten by your new settings. You can exit the procedure without saving the data by switching the system off or pressing one of the following buttons: Metr. Effect or Sound.

**System menu**

Displaying or modifying the system information.



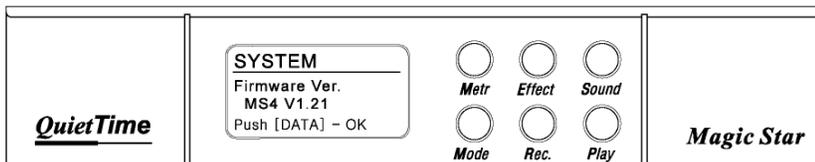
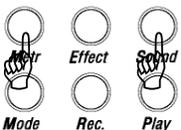
Press the **sound key** to switch to the sound menu.



Display in Sound menu

Displaying the **firmware version** & accessing the system menu:

Press the **Metr and Rec buttons simultaneously** and then release both of them to switch to the System menu.



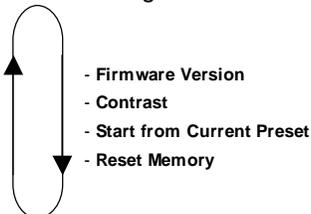
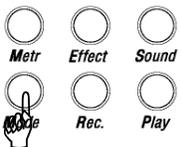
Startup display in System menu, Firmware Version

Press the **data-wheel** to exit the **System menu** or proceed as follows:

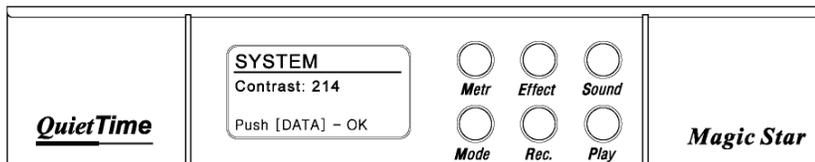


Press the **Mode button** to switch to other system features.

The following features are available:

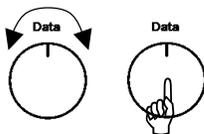


Setting the **display contrast**:

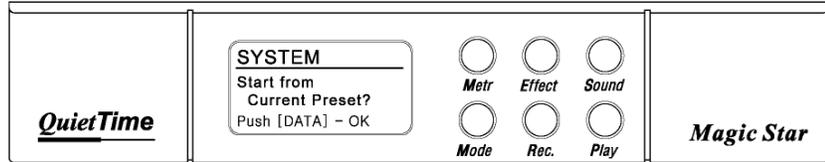


Display in System menu: *Contrast*

Now use the **data-wheel** to set up the display contrast. **Press the data-wheel to save your settings and exit the system menu.** The system automatically returns to the Sound menu.



**Start from current Pre-set feature:** Selecting the current sound as the general start-up sound.



Display in System menu: *Start from Current Preset?*

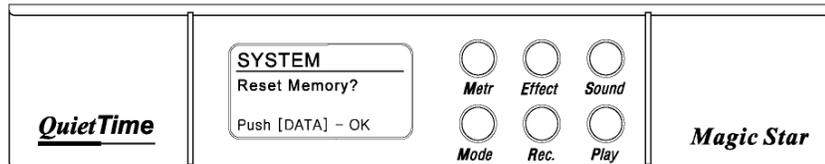


Press the **data-wheel** to select the last sound you selected as the start-up sound. The system automatically returns to the Sound menu afterwards.

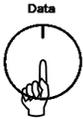
Now, the system will start with the new start-up sound after it has been switched on.

*INFO: If you have already set up a user sound using the Userset edit menu you can also select this sound as the start-up sound.*

**Reset memory feature:** Reloading the factory default settings.



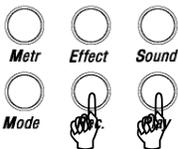
Display in System menu: *Reset Memory?*



Press the **data-wheel** to reload the factory default settings. The system automatically returns to the sound menu afterwards.

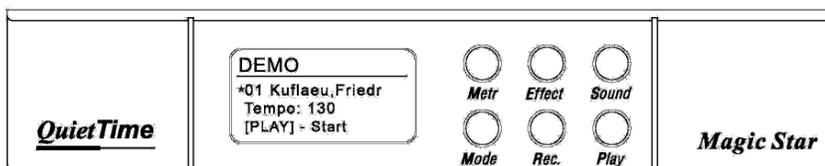
*INFO: Just switch the system off and back on again to exit the System menu without saving the new settings.*

## Demo menu



## Playing the demo music

Press the **Play** and **Rec** buttons simultaneously and then release both of them to switch to the demo menu.



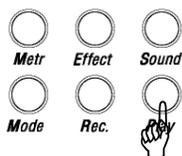
Display in Demo menu: *Choosing the demo song*



Now use the **data-wheel** to select a demo song

### Demo songs available:

- 01 Kuf laeu, Friedrich Op.88, No.1, 1st movement
- 02 Kuf laeu, Friedrich Op.88, No.1, 2nd movement
- 03 Kuf laeu, Friedrich Op.88, No.1, 3rd movement
- 04 Keller, Oswin
- 05 Clementi, Muzia, Op.36, No.4, 1st movement
- 06 Clementi, Muzia, Op.36, No.4, 2nd movement
- 07 Clementi, Muzia, Op.36, No.4, 3rd movement
- 08 Clementi, Muzia, Op.36, No.6, 1st movement
- 09 Clementi, Muzia, Op.36, No.6, 2nd movement
- 10 Kuf laeu, Friedrich Op.88, No.3, 3rd movement
- 11 Gurlitt, Cornelius Op.36, No.6, 1st movement
- 12 Gurlitt, Cornelius Op.36, No.6, 2nd movement
- 13 Gurlitt, Cornelius Op.36, No.6, 3rd movement
- 14 Haydn, Franz Joseph Hob.XVI/13, 3rd movement
- 15 Beethoven, Ludwig Van, Op.49, No.2, 1st movement
- 16 Beethoven, Ludwig Van, Op.49, No.2, 2nd movement
- 17 Mozart, Wolfgang Amadeus, K.545, 1st movement
- 18 Mozart, Wolfgang Amadeus, K.545, 2nd movement
- 19 Mozart, Wolfgang Amadeus, K.545, 3rd movement
- 20 Mozart, Wolfgang Amadeus, K.331, 3rd movement



Press the **Play** button to start or stop the playback.

*INFO: Use the data-wheel to change the tempo during playback. You can exit the demo menu by switching the system off or pressing one of the following buttons: Metr. Effect or Sound.*

## Calibrating

## Basic keyboard calibration

**INFO:** The piano has to be calibrated after the QuietTime Magic Star System has been installed in your piano. The reason for this is that the Magic Star tone generator requires information about each key's movement path.

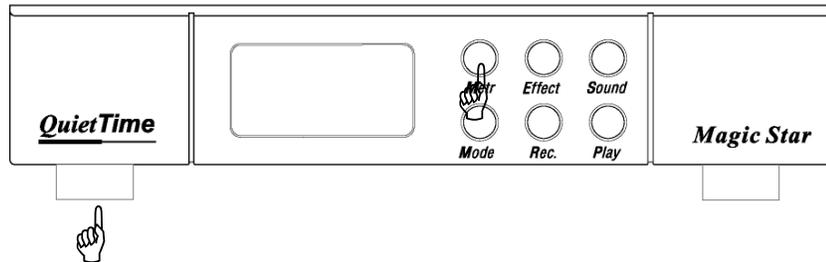
**ATTENTION!** Only a few or even none of the keys will function correctly if you do not run a calibration. It might also be necessary to run a new calibration if the location or the form of keys has changed over time, e.g. after the piano has been delivered to your house.

**How to perform a calibration:**

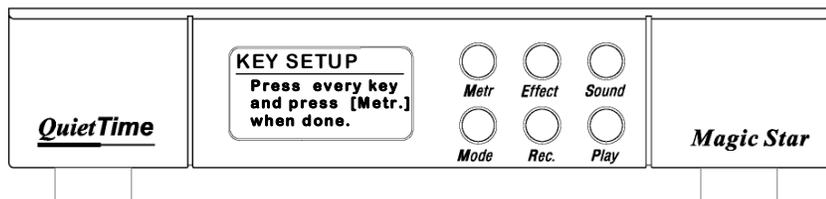
Conditions:

- a. Connect the keyboard sensors cable and the power supply to the QuietTime tone generator. Turn off the tone generator.
- b. Move the stop rail lever to the "Mute" position (piano switched to mute).
- c. Make sure there is nothing on the piano that can press down a key.

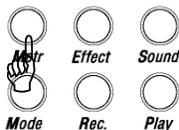
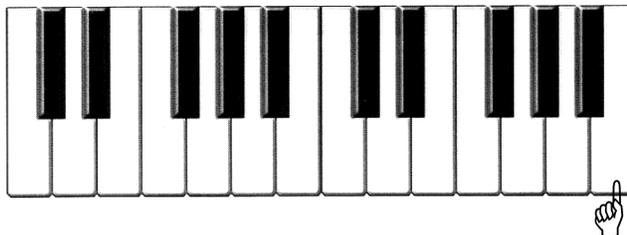
Press and hold the **Metr-button** and then switch on the Magic Star System. Release the Metr-button after 3 seconds.



The following is displayed after another five seconds:



Press each of the 88 keys fully down, one after the other, using your normal force and speed.



After you have pressed all the keys, terminate the calibration process by pressing the **Metr-button** once.

*INFO: It will take a few seconds to save the data. After the data is saved, the system automatically returns to the Sound menu. Your QuietTime System is now ready.*

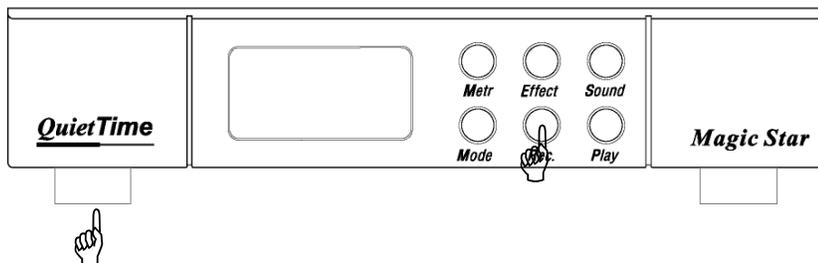
### Readjusting single keys

### How to readjust single keys

*INFO: Follow the calibration steps listed on the previous page to ensure all of the keys are set to the same sensitivity. However, if you believe some keys play too loudly or softly, use the following procedure to readjust the sensitivity of each of those keys.*

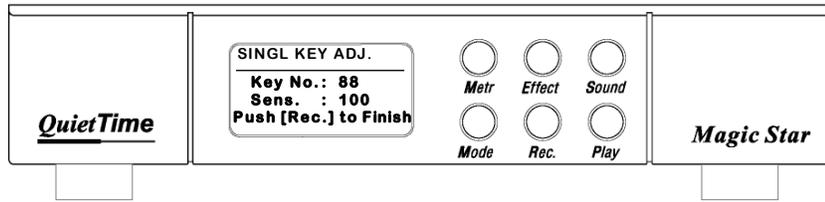
Make sure you **switch-off** QuietTime System.

Press and hold down the **Rec-button** and then switch-on the **QuietTime System**.

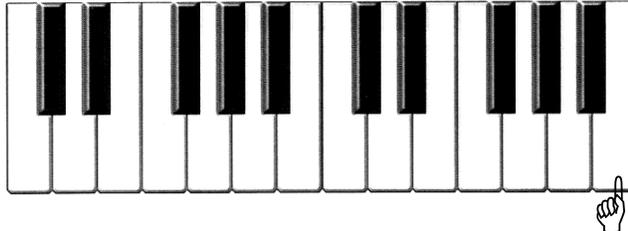


**Release the Rec-button** after 3 seconds.

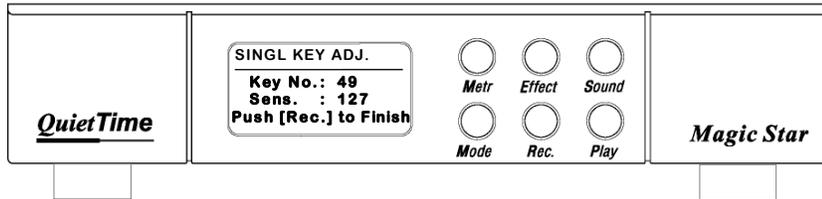
The following is displayed after another five seconds:



Put your headphones on and then press each key to check its tone. Note the volume of each key.

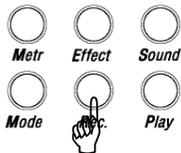


If a key's sensitivity has to be readjusted, use the data-wheel to increase or decrease the volume of the last key that you pressed. This helps you to match the key's sensitivity to that of adjacent keys.



The sensitivity for the current key is shown on the display as a value ranging between 000 - 255.

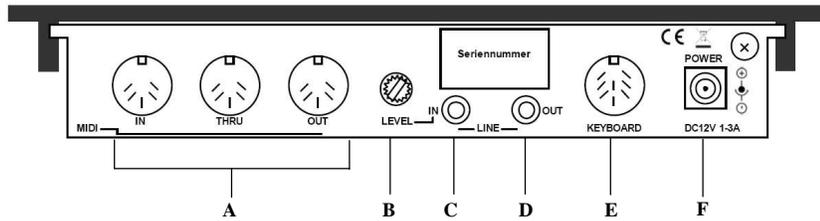
*INFO:* The last value that was displayed for the previous key is automatically saved when you switch to another key.



To end the readjustment process, press the Rec-button.

*INFO:* In a few seconds, the data is saved to the system's memory. The system automatically returns to the Sound menu and is ready to play.

Rear connections



**A. MIDI Input / Thru / Output**

External MIDI equipment connections.

**B. Level**

Input volume control

**C. Line IN**

Stereo audio connection for the incoming audio signal.

**D. Line OUT**

Stereo audio connection for connecting to an amplifier or a stereo system.

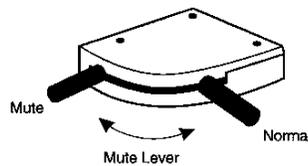
**E. Keyboard**

Keyboard sensors cable connection.

**F. DC connection**

Power supply connection.

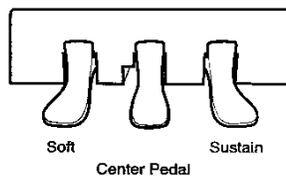
Stop rail operating lever



**Legend:**

- Mute = Stop rail is active.
- Mute lever = Stop rail operating lever
- Normal = Stop rail deactivated, acoustic piano can be played.

Pedal information



The QuietTime System supports two pedals: the left pedal (soft) and the right pedal (sustain).

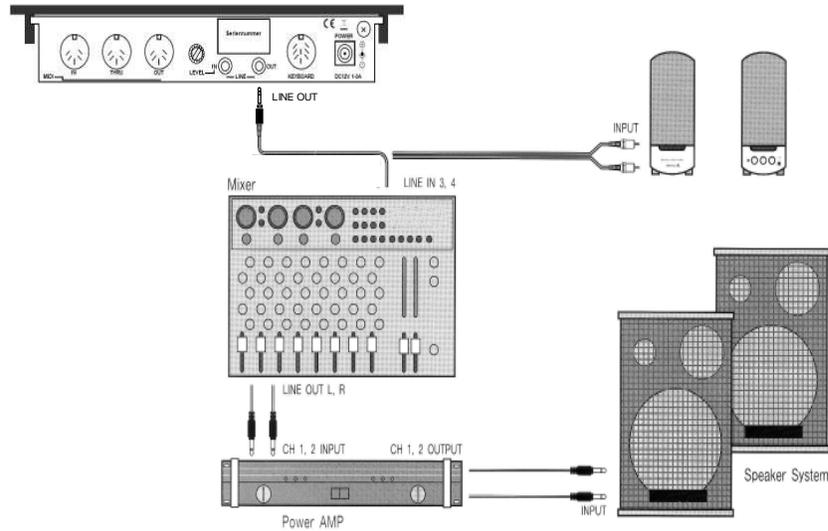
The **left pedal** (soft) attenuates the tone slightly.

The **right pedal** (sustain) lets all of the keys that were played continue to sound until the pedal is released.

## Connecting the Magic Star up to external audio equipment.

Use an audio cable to connect the QuietTime audio LINE OUT to your stereo system's input connections. The output signal is an *unbalanced, line level* signal.

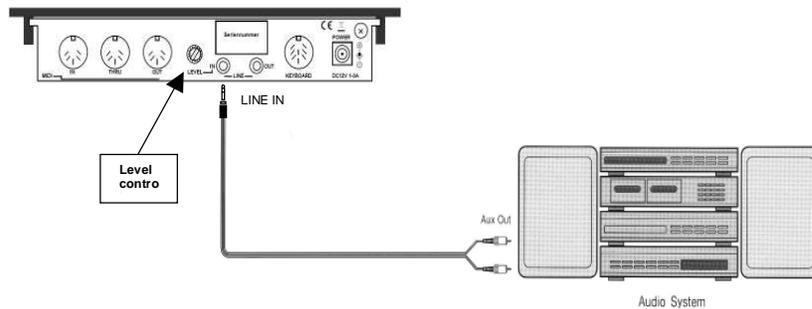
The following illustration shows you how to connect QuietTime and a professional audio system together:



You can also connect an external audio source, such as a CD player, to the QuietTime audio LINE IN port. Connect one end of an audio cable to your audio source's AUX or Line OUT port, and the other end to QuietTime's audio line IN port.

The tone you hear in the headphones is a mixture of the system's piano tones and the external audio source.

Use the system's level control or the external audio source's volume control to adjust the tone volume.

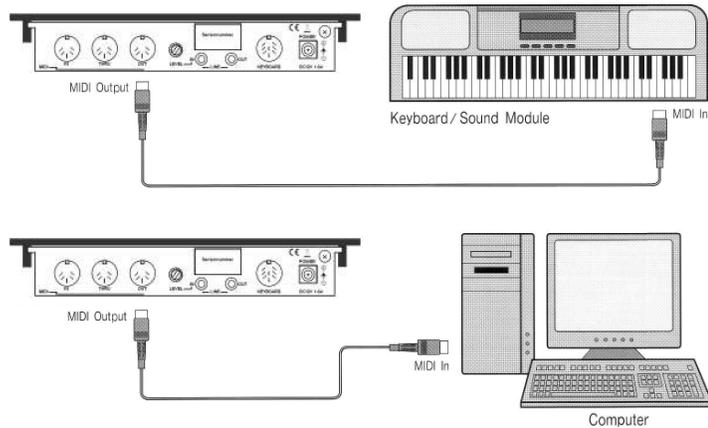


## Connecting the Magic Star to external MIDI equipment.

**IMPORTANT!** Please **select Tone 001 Piano2 from the GM sound library** to use MIDI. All of the notes played on the piano are then transferred to MIDI channel 1, as MIDI data.

### To send MIDI data to a MIDI synthesizer or computer

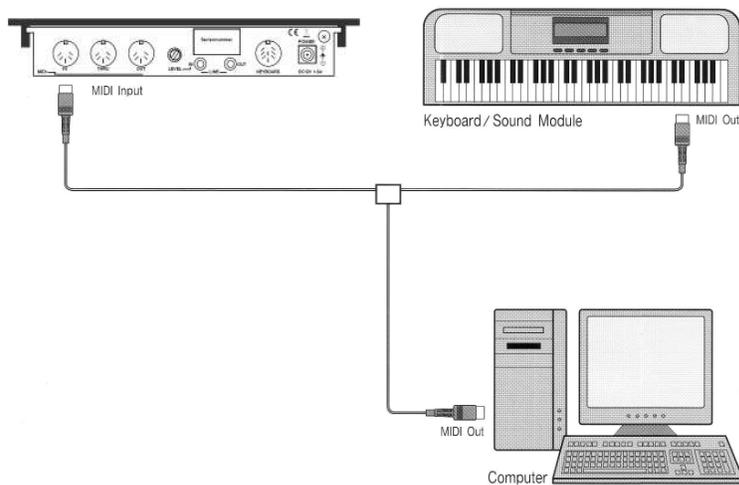
Connect QuietTime's MIDI OUT port to your computer or synthesizer's MIDI IN port. See the following illustration:



**Note:** Many computers do not have an integrated MIDI interface. If you do not have a MIDI interface, you will need to purchase one before you can connect your computer to the QuietTime system.

### To receive MIDI data from the MIDI keyboard/synthesizer or computer

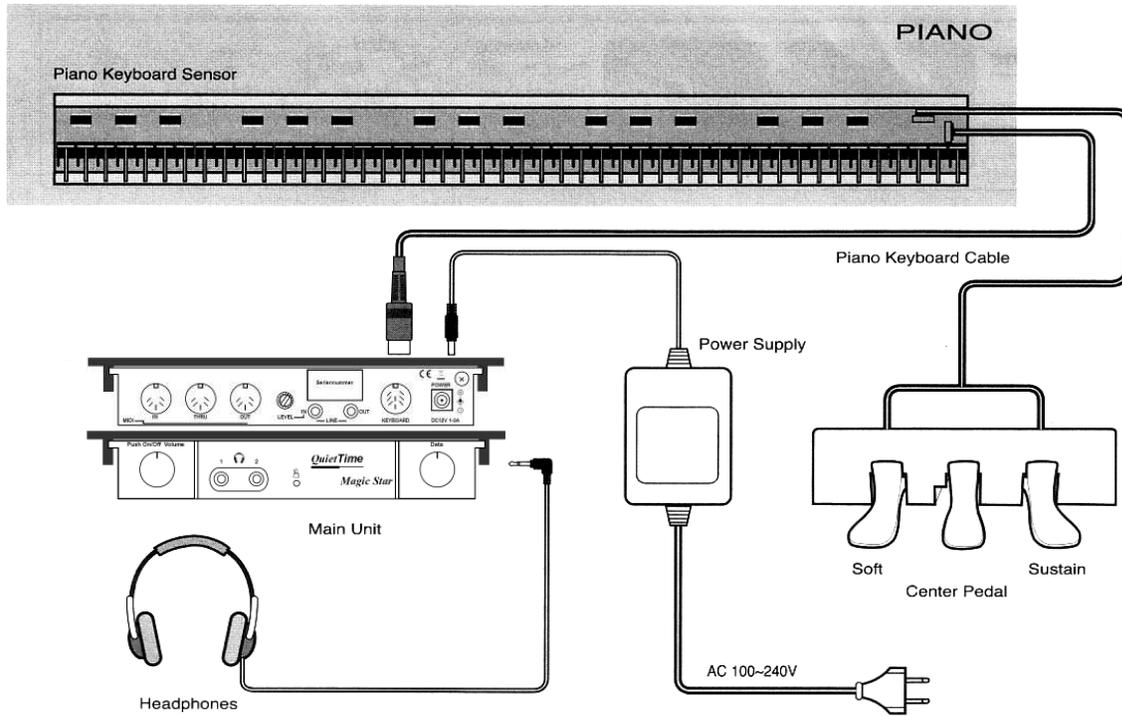
Connect a MIDI cable to the MIDI interface's MIDI OUT port, then connect the other end to QuietTime's MIDI IN port.



**INFO:** You can have MIDI IN and OUT cables connected at the same time. If you are using a computer, make sure the "Pass Through" is switched off in your software. This prevents double notes from being played or recorded.

## QuietTime Magic Star System connection summary

English



### Legend:

- |                      |   |  |
|----------------------|---|--|
| Keyboard Sensor      | = | Key sensors  |
| Piano Keyboard Cable | = | Data cable between the key sensors and the Magic Star tone generator |
| Main Unit            | = | Magic Star tone generator  |
| Headphones           |   |  |
| Power Supply         |   |  |
| Soft                 | = | Left pedal   |
| Center Pedal         |   |  |
| Sustain              | = | Right pedal  |

MIDI implementation chart

Fuction	Transmitted	Received	Remark
MIDI Channels	1-16	1-16	
Mode	X	3	
Note Number	21-108	0-127	
Velocity			
Note On	9n, V=127	9n, V=0-127	
Note Off	9n, V=0	8n, V=0-127	
Key Aftertouch	X	X	
Channel Aftertouch	X	O	
Pitchbend	X	O	+/-2 Octave PitchBend Sensitivity recognized
Control Change			
0, 32	X	O	Blank select
1	X	O	Modulation
6, 38	X	O	Data entry
7	X	O	Main Volume
10	X	O	Pan
11	X	O	Expression
64	O	O	Damper pedal
67	O	O	Soft pedal
91	X	O	Reverb Depth
93	X	O	Chorus Depth
98	X	O	NRPN LSB
99	X	O	NRPN MSB
100	X	O	RPN LSB
101	X	O	RPN MSB
120	X	O	All Sound Off
121	X	O	Reset All Controllers
123	X	O	All Note Off

**Note:** 1. Default Pitch Bend = 1 Semitone  
 2. Mode 1: OMNI ON, POLY  
 3. Mode 2: OMNI OFF, POLY

## Specifications

Unit	Specifications	
Key sensors	Sensor	Light barrier
	Measuring method	Variable position determination system
	Sensitivity range	1 - 255
Instrument	Tones	11 Preset + 128 GM + 3 User Sounds
Metronome	Tempo	0 - 250 (1 step)
	Beat	1/2 - 4/2, 1/4 - 8/4, 1/8 - 9/8
	Volume	0 - 9
Rec., Playback	1 song (flash memory)	30,000+ MIDI events (notes)
Demo melody	20 songs	Various composers
Front view	Headphone connections	2 x 3.5 mm
	Display	B/W graphics display
Rear view	Audio	Input / Output (stereo)
	MIDI	In / Thru /Out (5-pin connection)
Power supply	AC Adapter	Input: 220V AC, Output: 9 - 12V DC 1,500 mA
	Power consumption	Approx. 750 mW (nominal)
Pedal	Light barrier	Left and right pedals (soft, sustain)
Stop rail	CAM Type	Operated using the lever fitted under the piano

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

**PianoDisc contact:** PianoDisc – China  
 Phone: +86 (755) 33301558  
 Fax: +86 (755) 33301559  
[wendy@pianodisc-china.sina.net](mailto:wendy@pianodisc-china.sina.net)

PianoDisc – Europe  
 16 Schoenweissstr, 90461 Nuremberg / Germany  
 Phone: +49 (0) 911 / 44 30 35  
[www.pianodisc.de](http://www.pianodisc.de)  
[info@pianodisc.de](mailto:info@pianodisc.de)  
 Monday – Friday: 9 a.m. – 5 p.m. (MEZ)

PianoDisc – Seoul  
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 Phone: +82 (2) 756-8800  
 Fax: +82 (2) 752-8669  
[www.pianodisc.co.kr](http://www.pianodisc.co.kr)

PianoDisc – US  
 4111 North Freeway Blvd., Sacramento CA 95834  
 Phone: +1 (916) 567-9999  
[www.pianodisc.com](http://www.pianodisc.com)  
[techsupport@pianodisc.com](mailto:techsupport@pianodisc.com)  
 Monday – Friday: 8 a.m. – 5 p.m. (Pacific Time)