

QuietTime[®] *GT-2 mini 2*

User Guide

Version 1.0



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/EG and 2004/108EG



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 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.

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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.)

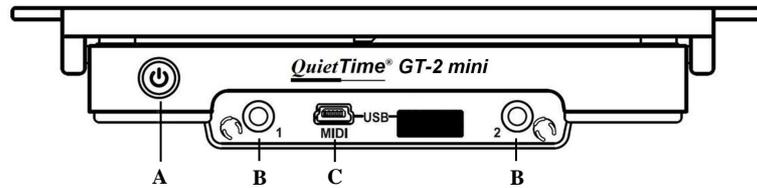
Warranty

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

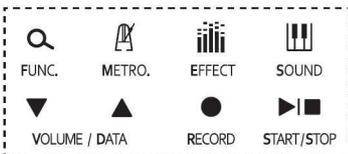
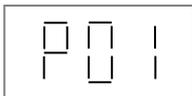
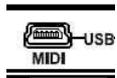
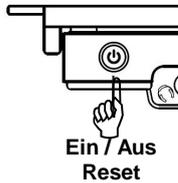
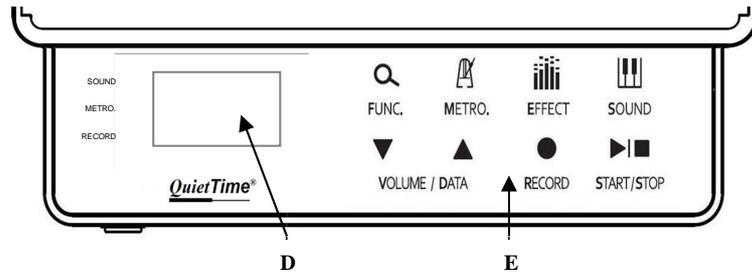
Not covered by the warranty are: consumable parts and any damage caused by incorrect use or foreign objects (e.g. water damage, fire or opening the case). PianoDisc exchanges **defective** parts free-of-charge and supplies parts needed to make repairs deemed necessary. An authorized PianoDisc dealer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

Chapter 2 QuietTime controls

QuietTime – Front view



QuietTime – Top view; top view



- A Power & reset button** Briefly press the button to switch the system On or Off. Press and hold the button while the system is turned on to reset the customized settings to factory settings.
- B Headphone connections.** Both connections can be used simultaneously.
- C USB port (format Mini-B) for a connection to a PC/Mac –MIDI** IN/OUT in PC provided. Plug-and-play-device, no driver necessary.
- D Display.** Shows information about the selected feature.
- E Touch Screen for selection and handling of features –** Tap on the screen to select a feature or to change settings for it. Possible handling of the tap on screen are briefly tapping or touching and holding – this is how to reach the actual feature e.g. metronome On/Off or settings for features i.e beat/tempo/volume for the metronome.

Chapter 3 QuietTime Quick Start Information

Before you start

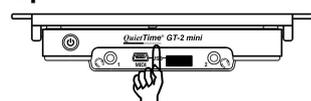
Is the correct power supply available?

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

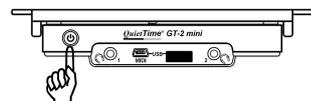
Has the power supply been plugged into the QuietTime tone generator correctly?

Make sure the 12V DC plug is connected into the rear of the QuietTime drawer.

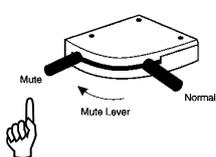
Operation



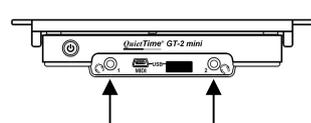
Extend drawer – Press gently against the front until counter pressure is notable. Let go and the drawer will slowly come out to the front.



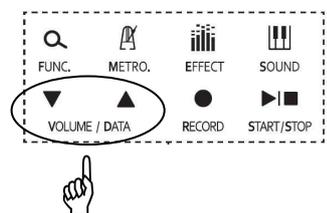
Switching on – Briefly press the power button.



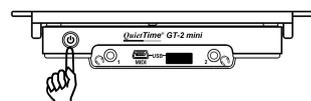
Activating the stop rail - Move the lever (*left side, beneath the piano keyboard*) into the “Mute” position.



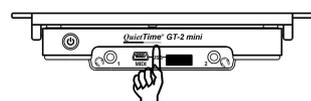
Plugging in and wearing the headphones. Plug your headphones into one of the headphone jacks on the QuietTime drawer. Then put the headphones on.



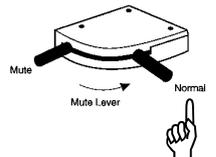
Controlling the volume - Play something on the piano. Adjust the headphone’s volume using the volume control on the touch screen. Establish a pleasant listening volume level.



Switching off - Press the power button gently.



Retracting drawer – Press the drawer back into casing as far as it will go. Let go and the drawer will stay retracted.



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

Chapter 4

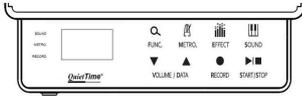
QuietTime GT-2 mini 2 operation

Start Position

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

Extending drawer

To use the QuietTime systems' more advanced options, **press the drawer gently towards the back** until counter pressure is notable. Let go and the drawer will slowly come out to the front. The display and touch screen of the system are now visible.



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

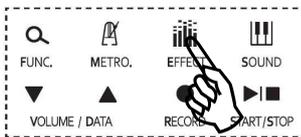
The Basics

How to use the system's features of the menus:

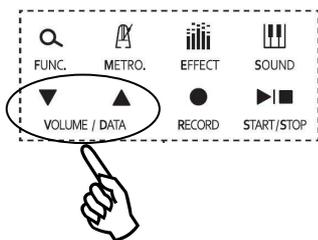


Selecting a menu – You will reach the features of the menus by tapping the symbol of the desired feature on the touch screen. As long as you are in one of the menu features the symbol of the menu will be lit e.g. the symbol of the piano. The display will furthermore show the name of the active menu features as a headline e.g. Sound. Following feature menus are available:

SOUND	=	Selecting tones of instruments & saving your standard data
EFFECT	=	Effect settings
METRO	=	Metronome & metronome settings
FUNC.	=	System settings
RECPRD	=	Recording & recording settings
START/STOP	=	Playback/stop & playback settings



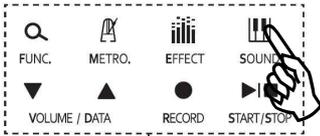
Selecting feature – Some menus e.g. EFFECT offer access to multiple features, in this case e.g. reverb/chorus/pitch etc. You will reach further options by briefly tapping the button EFFECT again. Just tap as many times as you need until the desired feature appears on display.



Adjusting data – Tap the Up or Down arrow to reach the desired setting.

You can play the piano afterwards or select another menu with different features to adjust settings there.

Sound menu

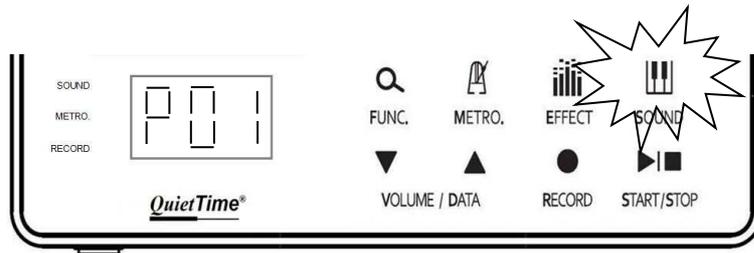


Selecting another tone of instrument

Tap the sound key to switch to the Sound menu. The SOUND key will stay highly illuminated as long as the SOUND menu is selected.

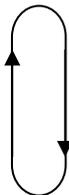
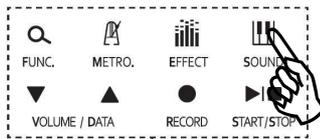
INFO: You are in the HOME menu after you have switched on. The number of the currently selected instrument sound will be shown e.g. P01, but all keys on the Touch Screen will be equally bright illuminated.

TIP: Press and hold the Sound-button until "Press (Rec) to save all settings" appears on the display, then press the RECORD-button to save your current settings (sound, reverb, etc.) as your start up settings. The system then starts with "User-set Sound U0: default" To set the system back to the factory settings, press and hold the power-button till it starts blinking, then release it.

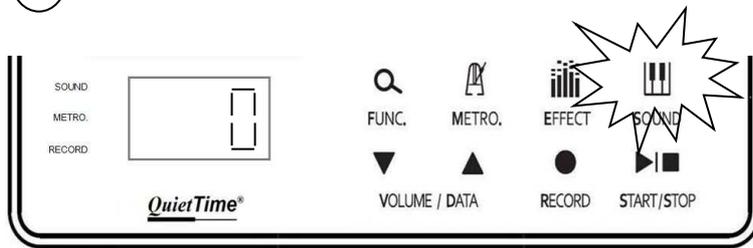


e.g.: Display in Sound menu, Preset Sounds library

Tap the sound button again to select the active sound library.



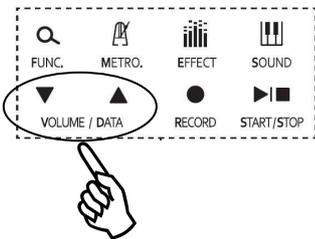
- Preset Sound library (P01 to P06)
- GM Sound library (0 – 127)



Example: display of Sound menu / GM Sound-library

Tap the Up or Down arrow to select the instrument you want to play.

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



QuietTime GT-2 mini 2 – Available sounds

Preset-Sound Bibliothek Auswahl der gängigsten Klänge

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

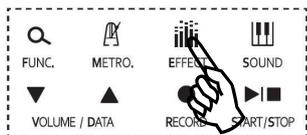
P5: Fast Strings
 P06: Piano Mute **

** Select P06 to use the system as metronome, while playing the acoustic piano.

GM Sound Bibliothek Die General MIDI Klänge

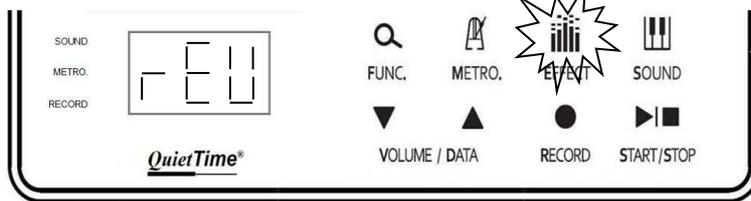
000	Piano1	043	Contrabass	086	5th Saw Wave
001	Piano2	044	Tremolo Strings	087	Bass + Lead
002	Piano3	045	Pizzicato Strings	088	Fantasia
003	Honky-Tonk Piano	046	Harp	089	Warm Pad
004	E.Piano1	047	Timpani	090	Polysynth
005	E.Piano 2	048	Strings	091	Space Voice
006	Harpsichord	049	Slow Strings	092	Blowed Glass
007	Clavinet	050	Synth Strings 1	093	Metal Pad
008	Celesta	051	Synth Strings 2	094	Halo Pad
009	Glockenspiel	052	Choir „Aahs“	095	Sweep Pad
010	Music Box	053	Voice „Oohs“	096	Ice Rain
011	Vibraphone	054	Synth Vox	097	Soundtrack
012	Marimba	055	Orchestra Hit	098	Crystal
013	Xylophone	056	Trumpet	099	Atmosphere
014	Tubula Bells	057	Trombone	100	Brightness
015	Dulcimer	058	Tuba	101	Goblin
016	Organ 1	059	Muted Trumpet	102	Echo Drops
017	Organ 2	060	French Horn	103	Star Theme
018	Organ 3	061	Brass 1	104	Sitar
019	Church Org.	062	Synth Brass 1	105	Banjo
020	Reed-Organ	063	Synth Brass 2	106	Shamisen
021	Accordion	064	Soprano Sax	107	Koto
022	Harmonica	065	Alto Sax	108	Kalima
023	Bandneon	066	Tenor Sax	109	Bag Pipe
024	Nylon.str. Guitar	067	Baritone Sax	110	Fiddel
025	Steel-str. Guitar	068	Oboe	111	Shannai
026	Jazz Guitar	069	English Horn	112	Tinkle Bell
027	Clean Guitar	070	Bassoon	113	Agogo
028	Muted Guitar	071	Clarinet	114	Stehl Drums
029	Overdrive Guitar	072	Piccolo	115	Woodblock
030	Distortion Guitar	073	Flute	116	Taiko
031	Guitar Harmonics	074	Recorder	117	Melo Tom
032	Acoustic Bass	075	Pan Flute	118	Synth Drum
033	Fingered Bass	076	Bottle Blow	119	Reverse Cym
034	Picked Bass	077	Shakuhachi	120	Guitar Fret Noise
035	Fretless Bass	078	Whistle	121	Breath Noise
036	Slap Bass 1	079	Ocarina	122	Seashore
037	Slap Bass 2	080	Square Wave	123	Bird
038	Synth Bass 1	081	Saw Wave	124	Telephone
039	Synth Bass 2	082	Syn.Calliope	125	Helicopter
040	Violin	083	Chiffer Lead	126	Applause
041	Viola	084	Charang	127	Gun Shot
042	Cello	085	Solo Vox		

Effect menu

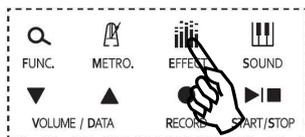


Selecting and adjusting the sound effects

Tap on the effect key to switch to the Effect menu.



Display of Effect menu / Reverb-Effect



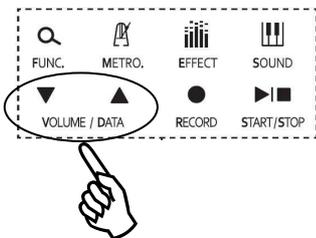
Tap the mode button to select a sound effect.



- [rEV] **Reverb-Effect** Reverb Range: 0 – 127 (Default = 0)
- [Cho] **Chorus-Effect** Chor Range: 0 – 127 (Default = 0)
- [t r A] **Transpose-Effect** Transposition Range: -/+24 (Default = 0)
- [t u n] **Pitch-Effect** Tuning Range: 438 - 445Hz (Default = 440Hz)
- [V.Cu] **Velocity-Effect** Dynamic Curves Range: 1 – 5 (Default = 3)

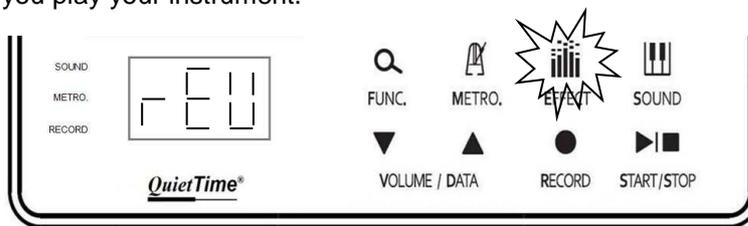
Tap on the Up and Down arrows to set up the effect.

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



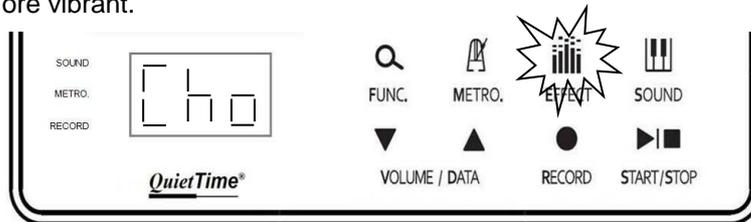
Effects and their impact

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



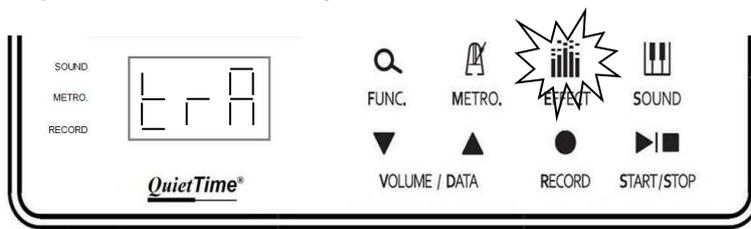
Display of effect menu / reverb-effect

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



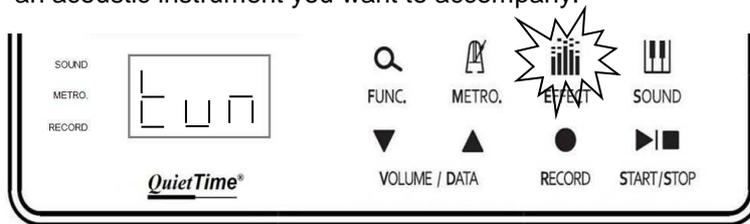
Display of effect menu / chorus-effect

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



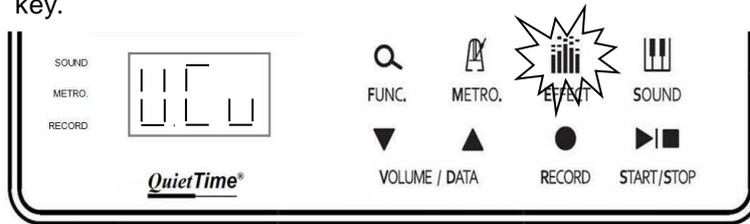
Display of effect menu / transpose-effect

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



Display of effect menu / pitch-effect

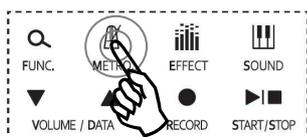
'Velocity' effect: You can set up how lightly/heavily a key must be pressed to attain a specific volume. Example: Velocity 1 = Low volume from a light tap on on the key ... Velocity 5 = High volume from a light touch on the key.



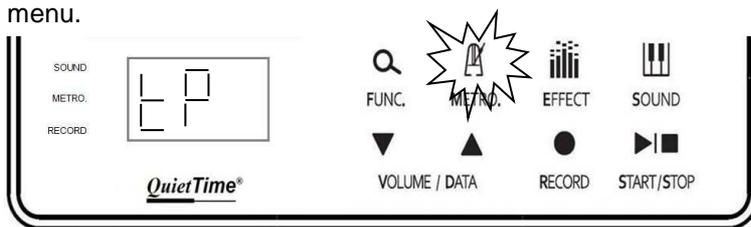
Display of effect menu / velocity-effect

Metronome menu

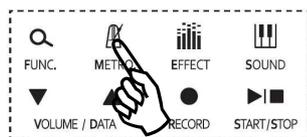
Using the metronome, setting up as necessary



Touch the metronome symbol key longer to switch to the metronome menu.

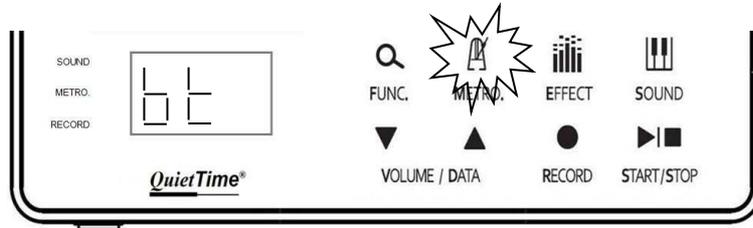


Display of metronome menu / tempo setting

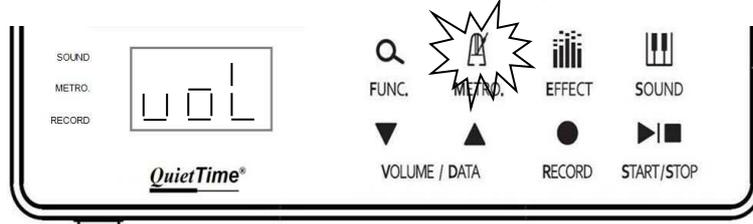


Tap on the metronome symbol again to select a metronome setting.

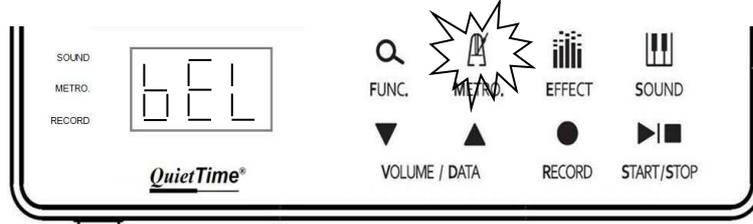
	- [tP] Tempo setting	Tempo	range: 0 - 250
	- [bt] Beat setting	Beat	range: 0/2 - 4/2, 0/4 - 8/4, 0/8 - 9/8 (Default = 4/4)
	- [voL] Volume setting	Volume	range: 0 - 9 (Default = 5)
	- [bEL] Bell setting	Bell	range: On / Off (Default = On)



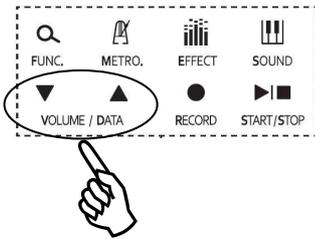
Display of the metronome menu / beat setting



Display of the metronome menu / volume setting



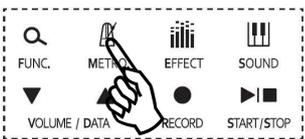
Display of the metronome menu / bell setting



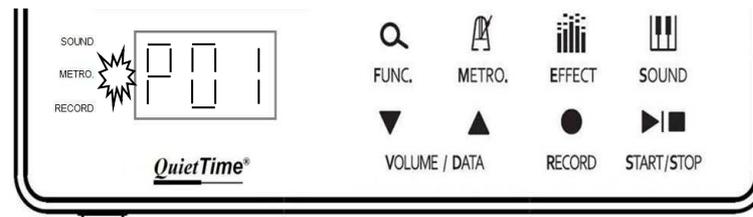
Tap on the Up and Down buttons to set up the setting.

Metronome

Activating / Deactivating

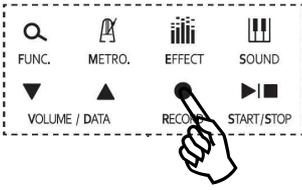


Tap on the metronome symbol to start or stop the metronome.



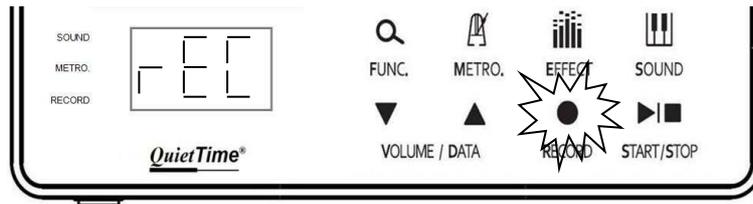
The metronome LED will flash regularly when the metronome is active.

Record menu

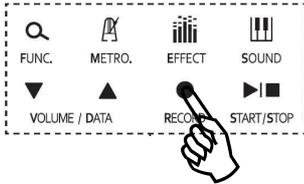


Recording when you are playing the piano

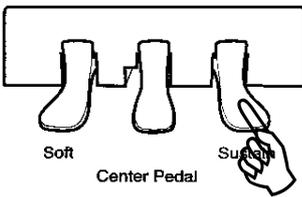
Press the Record-button to switch to the Record menu.



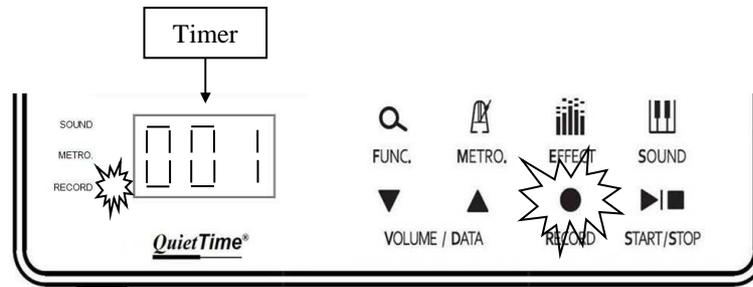
Display of record menu / display before starting to record.



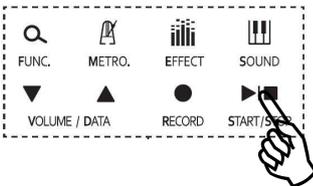
Touch the Record button or



Step on the right pedal to start the recording.



Display of record menu / display during recording



Press the Stop button to stop recording

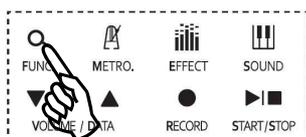
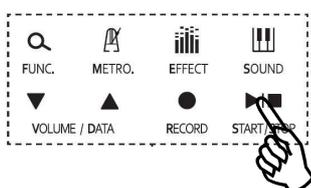
INFO: The system automatically returns to the HOME menu. Your recording will stay saved when the system is switched off or is disconnected from electricity. Recordings with up to 40.000MIDI events each track can be created in the GT-2 mini 2 system. Each new recording will erase the previous recording.



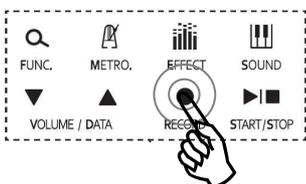
Press the Play button to play back your recording

INFO: You can stop the play back by pressing the Play button again or pause it by pressing the Func. button. Press Func. again to continue the playback.

Play menu



Play setup menu

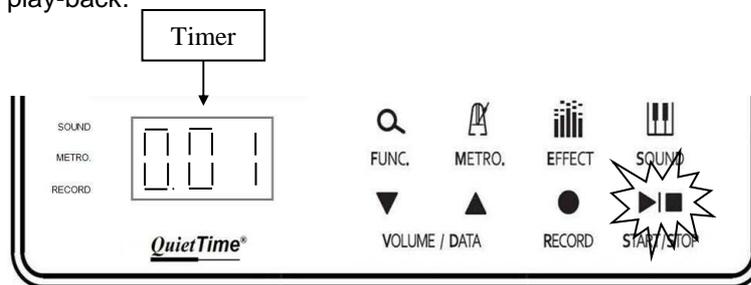


Play-Setup menu

Playing back your recording

Initial position = HOME menu

Press the **START/STOP** key to reach the Play menu or rather starting the play-back.



Display of Play menu / display while playing back

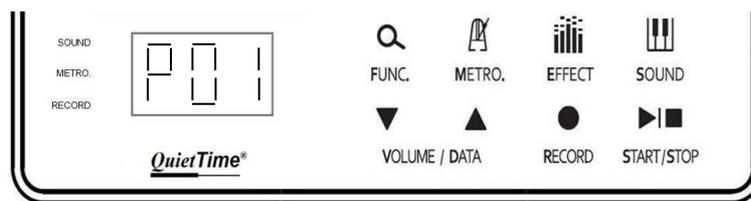
Press the **START/STOP** key to terminate the play-back.

Press the **FUNC.** key to pause the play-back. Press Func. again to continue the play-back. The timer will be flashing while the play-back is paused.

INFO: The system automatically returns to the **HOME** menu at the end of the play-back. It is always the last recording which will be played back.

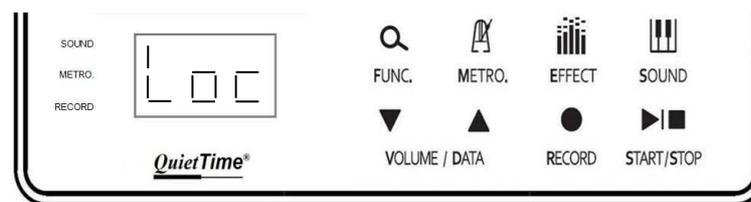
Selecting and adapting the settings for play-back

Initial position = HOME menu



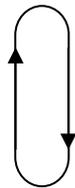
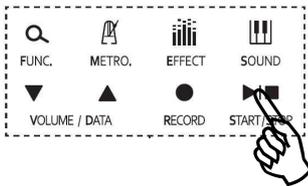
Display of Home menu

Press and hold the key **START/STOP** until the „Loc“ is visible in the display.



Display of Play Setup menu

Tap again on the key **START/STOP** to reach the individual settings. Available settings:



- Local Funktion

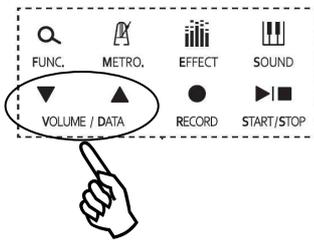
MIDI function Local ON / OFF

ON / OFF

- MIDI Out Funktion

Send play back also to MIDI Out

ON / OFF



Tap on the Up or Down arrow to choose.

INFO: There will be a confirmation of your choice visible for a few seconds after deciding e.g. „on“.

Information to settings

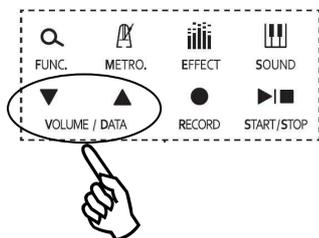
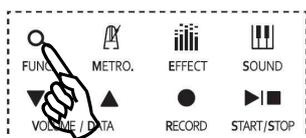
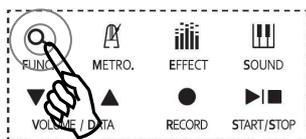
- Local ON / OFF (Default = ON)

The sound card will ignore what you are playing on the keyboard when the option OFF is set. The GT-2 mini 2 system will only produce tones from MIDI files which are received over MIDI IN. The GT-2 mini 2 works normal when the option ON is set.

- MIDI Out ON / OFF (Default = OFF)

The GT-2 mini 2 system will also send the play-back to the MIDI OUT connection so that it can be further processed or recorded by an external MIDI device.

System menu

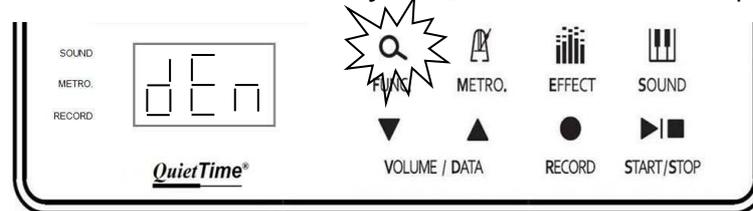


Displaying or modifying the system information.

Access to the menu of the system:

Initial position = HOME menu

Press and hold the FUNC key until „dEn“ is visible in the display.



Display in System menu, Demo feature

Tap again on the key FUNC. to reach different information available and reach the settings.

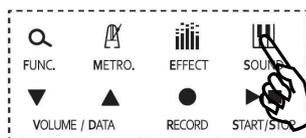
Tap on the Up or Down arrow to set the value and have it shown respectively.

Following features are available:

- [dEn] Demo	Demo Song reproduction (01 – 10)
- [d.Fi] Control	Show firmware version, Control Unit
- [d.Vo] Start Volume	(0-100, default = 55)
- [d.in] Line-In	Volume for the Line In input (-80-0, default = -10)
- [d.ou] Line-Out	Volume for the Line Out outlet (-80-0, default = 0)
- [InI] Memory Initialize	Reset to factory settings
- [Upd] Prg./Data Update	Activation for firmware update via USB Midi connection
- [P.Li] Power LED	Switching the illumination on and off (On/Off, default = On)
- [P.bu] Power-On Hold	Deactivating power button (On/Off, default = Off)
- [trL] Insert Note-Off	Feature for faster repeated play of tones, trill (On/Off, default = On)
- [Pot] Power-Off time	Set time until the automatic switch off (Always On, 5, 10, 20, 30 min, 1, 2, 3, 5, 12 h, default = 30 Min)
- [C.rP] Key Correction	Repeat = limit Repetition (Off, 10 - 400, default = Off)
- [C.Cr] Key Correction	Chord = Auto-correct for chords (Off, 10 - 300, default = Off)
- P.SF] Pedal-On Adj.	Soft = Set the switch point for the left pedal (0-10, default = 5)
- [P.SS] Pedal-On Adj.	Sostenuto = Set the switch point for the middle pedal (0-10, default = 5)
- [P.St] Pedal-On Adj.	Sustain = Set the switch point for the right pedal (0-10, default = 5)

Many features are self-explanatory. This is why only features/settings that need further knowledge for usage will be explained below.

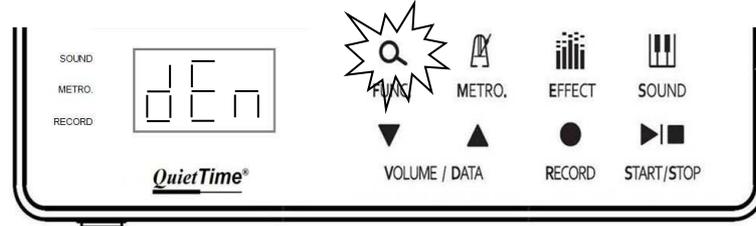
Tap the sound button to leave the System menu.



System menu

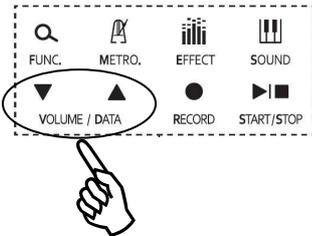
Continuation

Playing the demo music

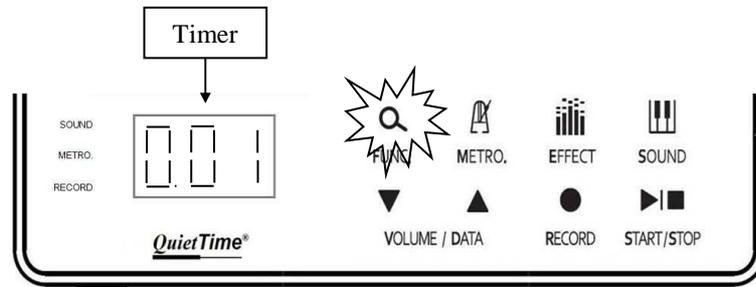


Anzeige im System Menü, Demo Funktion

Tap on the Up or Down arrow to select a demo song. You will find a list of the demo songs available below.

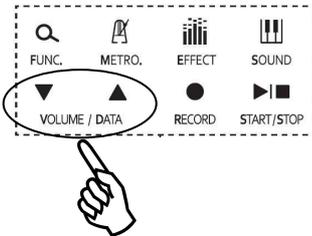


Tap on the symbol Start/Stop to start or Stop the reproduction.



Display of System menu, Demo feature, whilst reproduction

Regulating the volume with the arrow keys



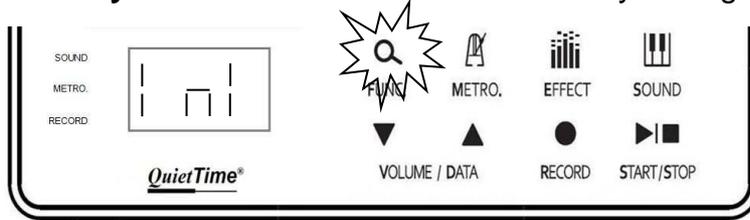
QuietTime GT-2 mini 2 - Demo Songs:

1.	Benda, Jiri Antonin - Sonatina in A Minor
2.	Beethoven, Ludwig van - Sonatina in F 1st movement
3.	Kuhlau, Friedrich - Sonatina, Op.55, No.3 1st movement
4.	Clementi, Muzio - Sonatina Op.36, No.4, 1st movement
5.	Kuhlau, Friedrich - Sonatina, Op.88, No.3 3rd movement

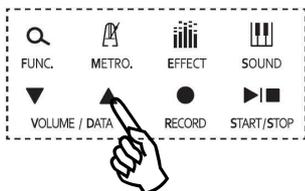
6.	Haydn, Franz Joseph - Sonata, Hob.XVI/13, 3rd movem.
7.	Clementi, Muzio - Sonatina Op.36, No.3, 1st movement
8.	Mozart, Wolfgang Amadeus - Sonata K.545, 1st movem.
9.	Mozart - Sonata in A Major, K.331, 3rd movement: Rondo a la Turk
10.	Chopin, Fantasie Impromptu Opus 66 in C sharp minor

System menu

Memory Initialize feature – Restore factory settings.



Display of System menu, Memory Initialize feature

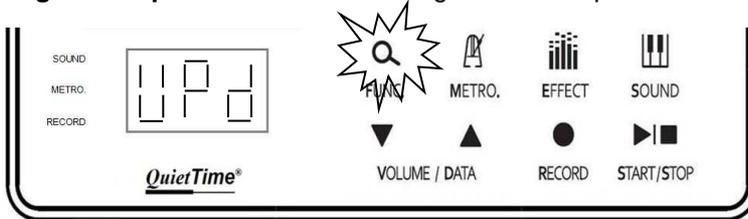


Tap the Up arrow two times to start the restoring of the factory settings. The system will automatically return to the HOME menu afterwards.

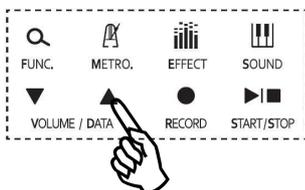
INFO: Press the FUNC key to reach the next feature without restoring the factory settings. Or tap on Effect / Sound / Record or Start/Stop to exit the System menu.

TIP: You can also reach this feature easily and directly by pressing the Power key for four seconds and releasing it afterwards. This direct access to Reset can be accessed at any point.

Prg./Data Update feature– Installing Firmware Update.



Display of System menu, Prg./Data Update feature

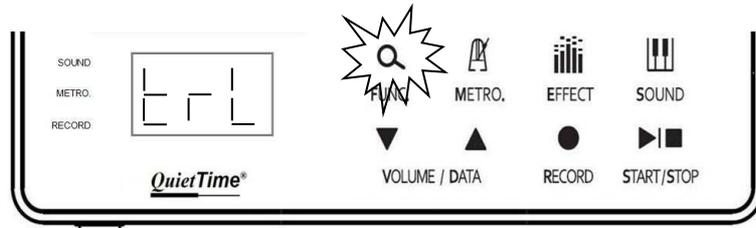


Tap the Up arrow two times to prepare the installing of the Firmware Update. The system will automatically return to the HOME menu afterwards.

INFO: A special computer program, the file with the Firmware Update and a USB cable for the connection to the computer are necessary for a Firmware-Update. The USB-MIDI connection will be used as a connection. Detailed information for the update procedure will possibly be provided with the update.

System menu

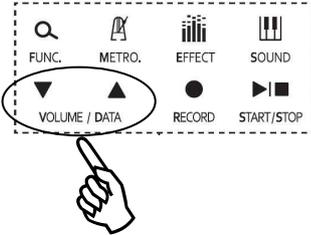
Insert Note-Off feature – for faster repeated play of same tones



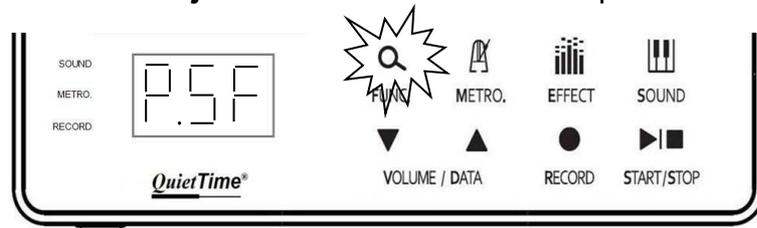
Display of System menu, Insert Note-Off feature

You can determine the figures by **tapping on the Up or Down arrow.**

Tip: This feature also influences how what you are playing on the piano will be converted in sounds and MIDI values respectively. Testing both ways (On and Off, Default = On) for a while is the best way to find out which setting will have the best results for your instrument. It might also be possible that both settings bring equal good results.



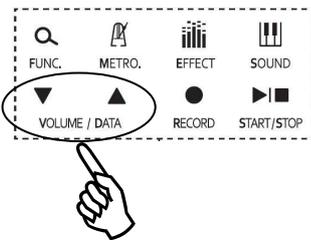
Pedal-on Adj. Function – Set the switch point for the pedals



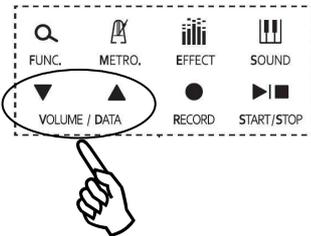
Display of System menu, Pedal-on Adj. function

*INFO: There is a setting function for every pedal. Choose the pedal you want to adjust by pressing the Func.-button.
P.SF = left pedal, P.SS = middle pedal, P.St = right pedal*

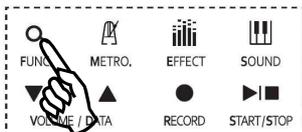
Tap on **the up or the down arrow button** to activate the function.



To set the values, **tap on the up and down buttons.**



To save and get back to the system menu, press the FUNC.-button.



Calibrating

Basic keyboard calibration

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

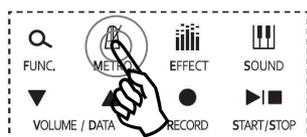
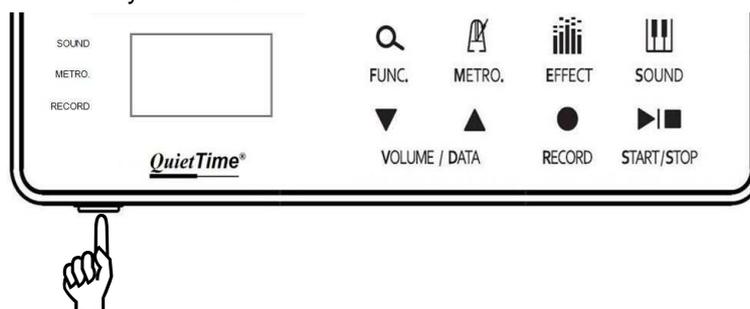
ATTENTION! Only a few or even none of the keys will function correctly if you do not run a calibration. It might also be necessary to run a new calibration if the location or the form of keys has changed over time, e.g. after the piano has been delivered to your house.

How to perform a calibration:

Requirements:

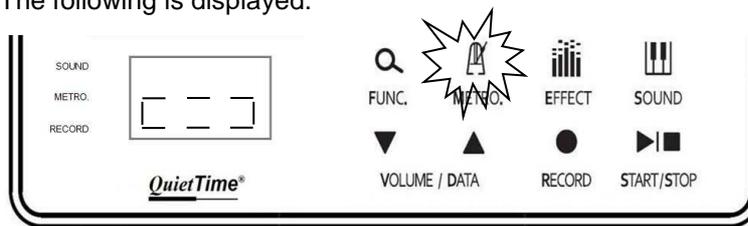
- a. All cables are correctly connected to the QuietTime system. The system has to be switched on.
- b. Move the stop rail lever to the "Normal" position (piano can be played).
- c. Make sure there is nothing on the piano that can press down a key.

Turn the system on.



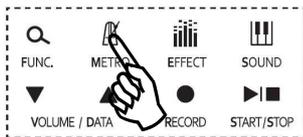
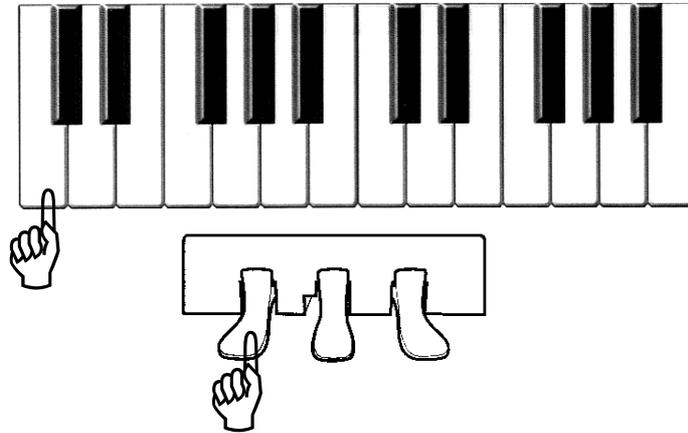
Shortly after switching the device on (approx. 1-2 seconds) press and hold the METRO key. Let go when "o o o" is visible on the display.

The following is displayed:



Press each of the 88 keys and the pedals fully down, one after the other, using your normal force and speed. Hold each key down until you hear a corresponding sound in your headphones. Only after hearing the sound, you can release the key and begin with the next one, continue until you played every key. After that push the pedals down, one after the other: the left (, the middle*) and the right pedal. Release only when you hear a confirmation sound then begin with the next one.

**It's possible, that you will not hear a confirmation sound! The support of the middle pedal is optional.*



After you have pressed all, terminate the calibration process by pressing the **METRO key** once.

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

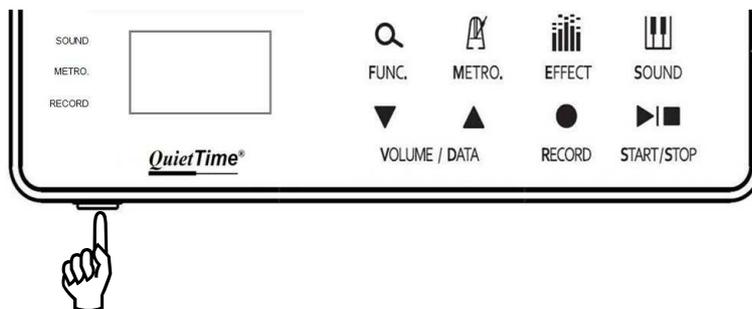
Readjusting single keys

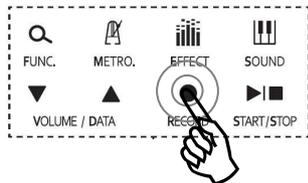
How to readjust single keys

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.

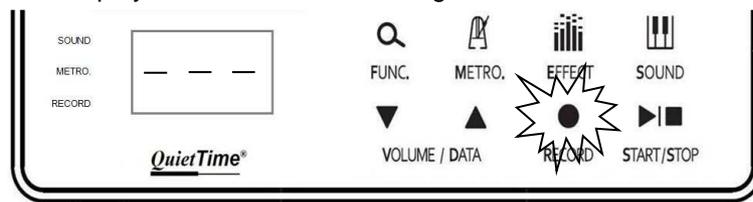
Turn the System on.



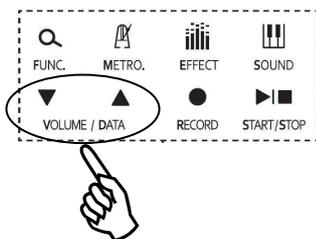
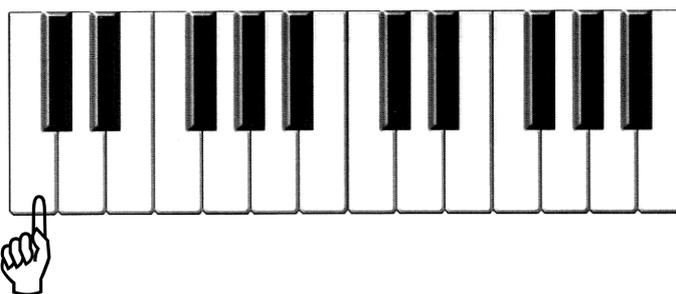


Shortly after switching the device on (approx. 1-2 seconds) press and hold the Rec key. Let go after 3 seconds.

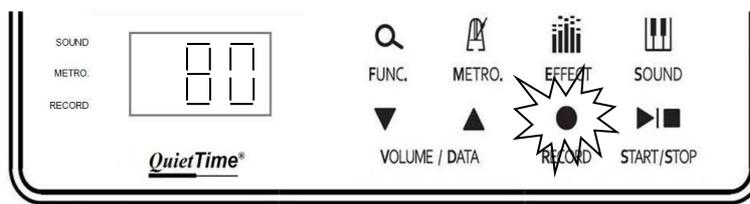
The displayed will show the following:



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



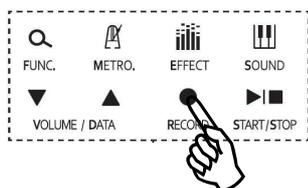
If a key's sensitivity has to be readjusted, use the Up and Down arrows to increase or decrease the volume of the last key that you pressed. This helps you to match the key's sensitivity to that of adjacent keys.



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.

After having worked with all the keys that need to adjusting press the Rec button gain to end the readjustment process.

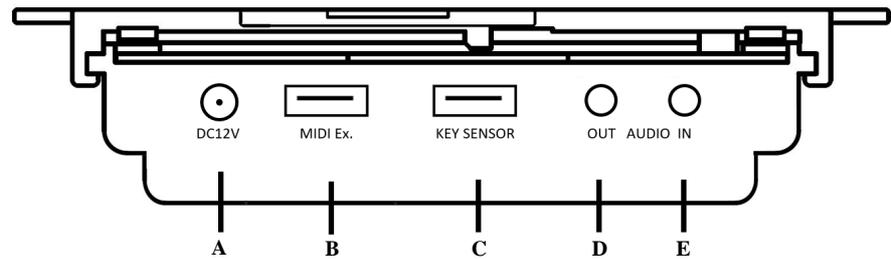


INFO: In a few seconds, the data is saved to the system's memory. The system automatically returns to the Home menu and is ready to play.

Appendix

Technical Information

Rear connections



A. DC connection

This is where the cable from the power supply can be plugged in.

B. Connector for the optional MIDI I/O cable

This cable provides the known round DIN MIDI connectors, as an addition to the USB MIDI port at the front.

C. KEY SENSOR

Keyboard sensors cable connection.

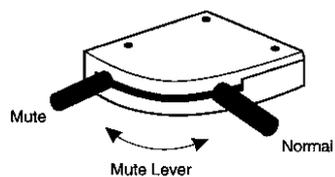
D. Line OUT

3.5mm stereo audio connection for connecting to an amplifier or a stereo system.

E. Line IN

3.5mm stereo audio connection for the incoming audio signal.

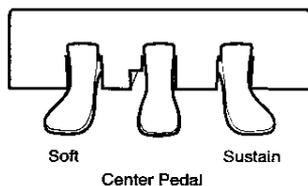
Stop rail operating lever



Legend:

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

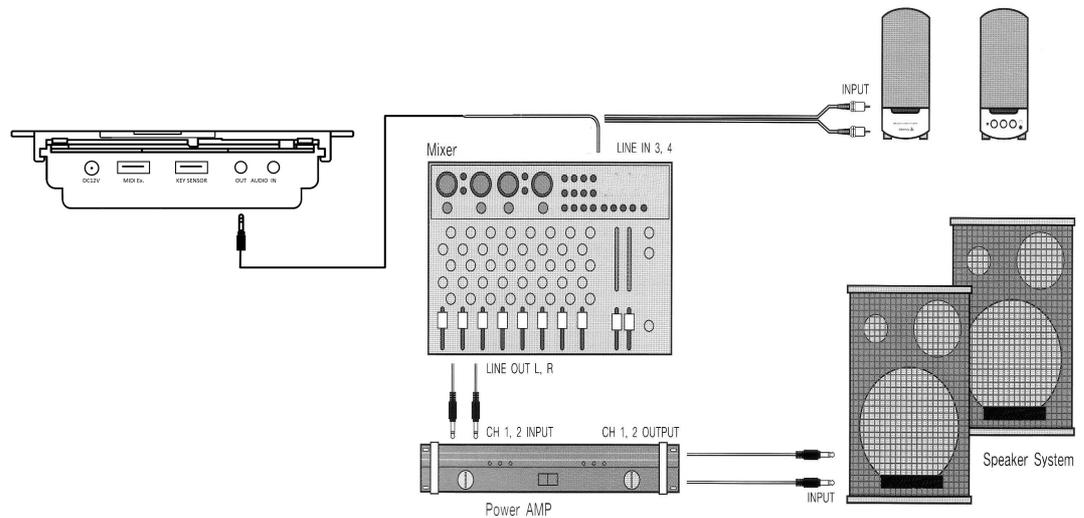
Pedal information



- The QuietTime System supports two (optional three) pedals: the left pedals:
- The **left pedal** (soft) attenuates the tone slightly.
 - The **center pedal** (sostenuto) – optional provides sostenuto effect
 - The **right pedal** (sustain) lets all of the keys that were played continue to sound until the pedal is released.

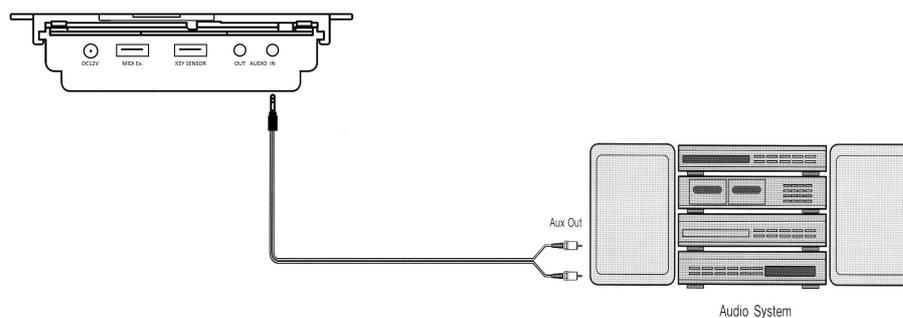
Connecting the QuietTime system to external audio equipment.

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, like they are found in concert halls and clubs, together. You can adapt the signal strength at the Line Out connection with the Line Out function in the SYSTEM menu.



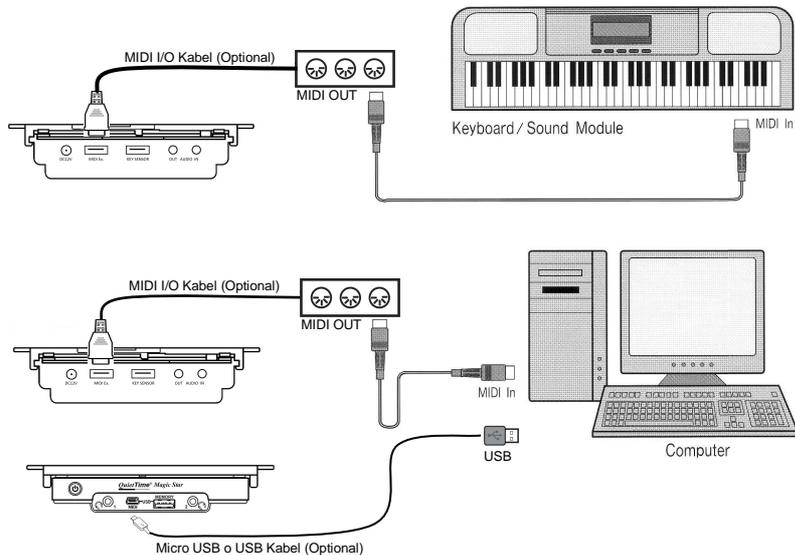
You can also connect an external audio source, such as a CD player, to the QuietTime audio LINE IN port. Connect one end of an audio cable to your audio source's AUX or Line OUT port, and the other end to QuietTime's audio line IN port. The tone you hear in the headphones is a mixture of the system's piano tones and the external audio source.

Use the system's Line In feature in the System menu to adjust the volume of the input signal.

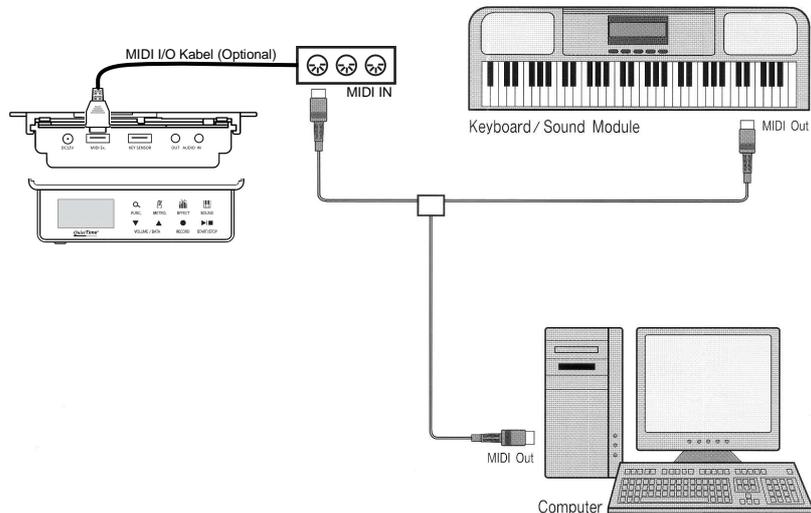


Connecting the QuietTime system to external MIDI equipment.

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. The MIDI I/O Cable and the USB cable are optional equipment.

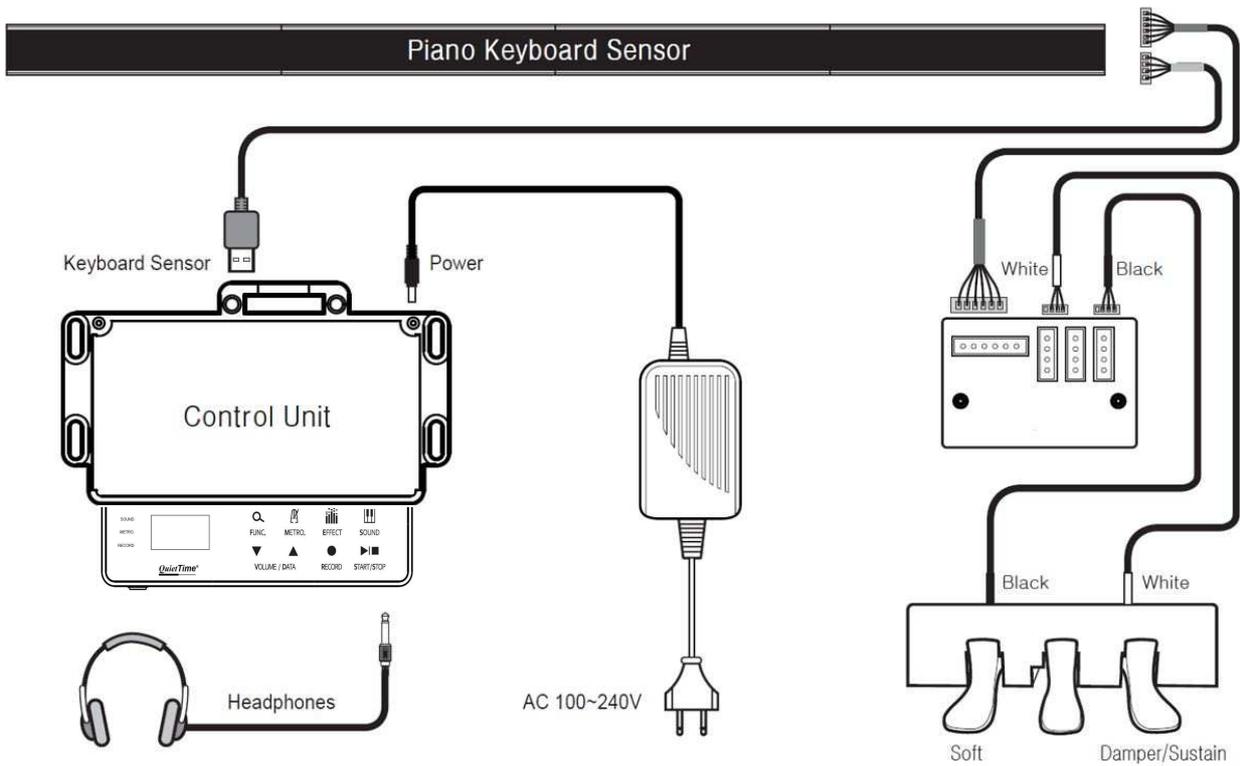


To receive MIDI data from the MIDI keyboard/synthesizer or computer connect the MIDI-OUT cable of the external MIDI device with help of a MIDI cable to the QuietTime's MIDI IN port.



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 GT-2 mini 2 system connection summary



- Legend:**
- Keyboard Sensor = Key sensors
 - Control Unit = Quiet Time tone generator
 - Headphones = Headphones
 - Power Supply = Power Supply
 - Soft = Left pedal
 - Center Pedal = Middle pedal (optional)
 - Damper = Right pedal

MIDI implementation chart

Function	Transmitted	Received	Remark
MIDI Channels	1-16	1-16	
Mode	X	3	
Note Number	21-108	0-127	
Velocity	0-127	0-127	
Note On	9n, V=1-127	9n, V=1-127	
Note Off	9n, V=0	8n, V=0-127 9n, V=0	
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
Programm Change	X	O 0-127	

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	Reflector Type sensor system, optical scanning
	Sensitivity range	0 – 256 per key, individually adjustable
	Velocity range	127
	Velocity curves	5
Pedal sensors	Standard	Sustain-, Soft- pedal
	Optional	Sostenuto (middle pedal)
Instrument	Tones	6 Preset + 128 GM + 1 User Sounds
	Storage	512 Mb
	Polyphony max.	256
Effect	Transpose	+ - 24 half tones
	Reverb	0 – 127
	Chorus	0 – 127
	Pitch	438 – 445 Hz (Default = 440 Hz)
Metronome	Tempo	25 – 250
	Beat	0/2 - 4/2, 0/4 - 8/4, 0/8 – 9/8
	Volume	0 – 9
Record, Playback	1 song - intern	each approx. 10,000+ MIDI events (notes)
Demo melody	10 songs	Various composers
Top view Control Unit	Display	7 segment display with 3 digits
	Control panel	Touch screen technology
Front view Control Unit	Headphone connections	2 x 3.5 mm
	MDI USB (Micro USB)	MIDI Interface for connection to the computer
Rear view Control Unit	MIDI I/O connection	Optional MIDI I/O Interface für In / Thru / Out (5 Pin DIN Anschluss)
	DC connection, alternative	12V, 1.5A
	Audio In	Stereo 3.5mm, adjustable
	Audio Out	Stereo 3.5mm, adjustable
Measurements Control Unit	Visible part	121 x 26 x 67 mm (W x H x D)
Power supply	Input	AC 100-240V, 50-60Hz
	Output	DC 12V, 1-3A
Entire system	Consumption, operating	Approx. 0.75-1.0W (nominal)
	Consumption, standby	Approx. 0.5 W (nominal)

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

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