QuietTime® *Magic Star*© *V5*

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.

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
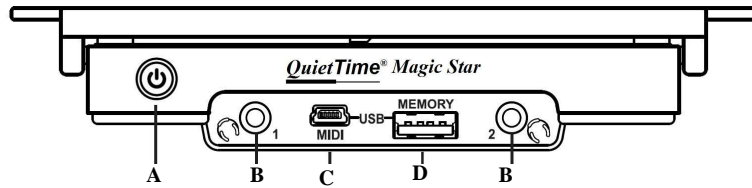
QuietTime – Top view; top view
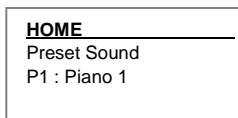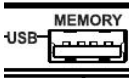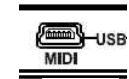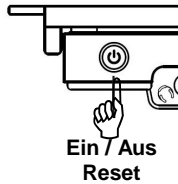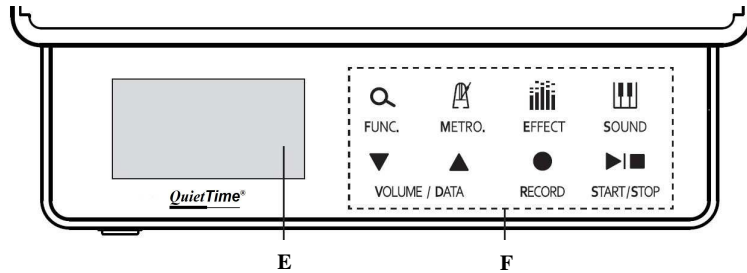
A   Power & reset button Briefly press the button to switch the system On or Off. Press and hold the button while the system is turned on to reset the customized settings to factory settings.

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   USB 2.0 connection for USB Stick. Recordings saved on QuietTime can be copied on a USB stick. Further recordings can be directly saved onto the USAB. MIDI files on the USB stick can be played on QuietTime.

E   Graphics display. Shows information about the selected feature.

INFO: If the data-wheel or buttons are not used to make a selection within 10 seconds, the display lighting will turn off. This feature can be adapted in the SYSTEM menu.

F   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 OR into the QuietTime Main Unit in the piano. ONLY one connection is allowed to use!
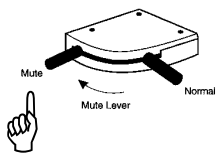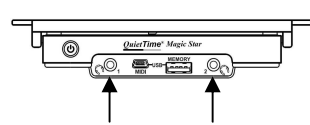
Operation
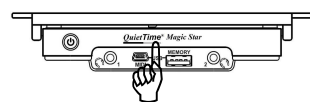
Extend drawer - Press gently against the front until counter pressure is notable. Let go and the drawer will slowly come out to the front.
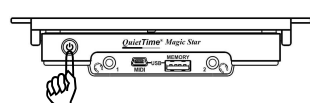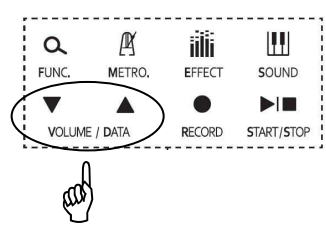
Switching on - Briefly press the the power button.

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.
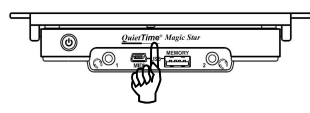
Controlling the volume - Play something on the piano. Adjust the headphone's volume using the volume control on the touch screen. Establish a pleasant listening volume level.
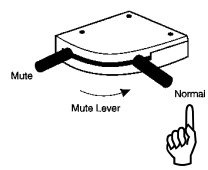
Playing the piano. Play the piano as normal. Only you can hear the sound of the piano.
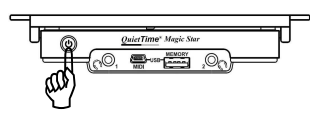
Switching off - Press the power button gently.

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 Magic Star operation**

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.

Extending drawer   To use the QuietTime Magic 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.
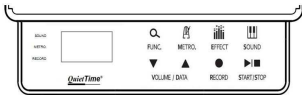
Push the drawer back into place when you have finished using the system.

**The Basics**   **How to use the system's features of the menus:**
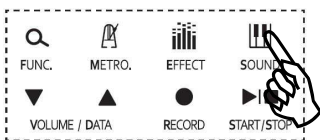
Selecting a menu – You will reach the features of the menus by tapping the symbol of the desired feature on the touch screen. As long as you are in one of the menu features the symbol of the menu will be lit e.g. the symbol of the piano. The display will furthermore show the name of the active menu features 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 settigns
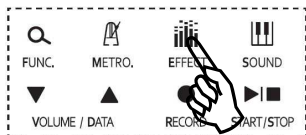
Selecting feature – Some menus e.g. EFFECT offer access to multiple features, in this case e.g. reverb/chorus/pitch etc. You will reach further options by briefly tapping the button EFFECT again. Just tap as many times as you need until the desired feature appears on display.
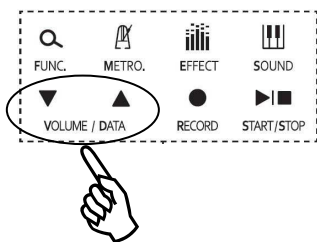
Adjusting data – Tap the Up or Down arrow to reach the desired setting.

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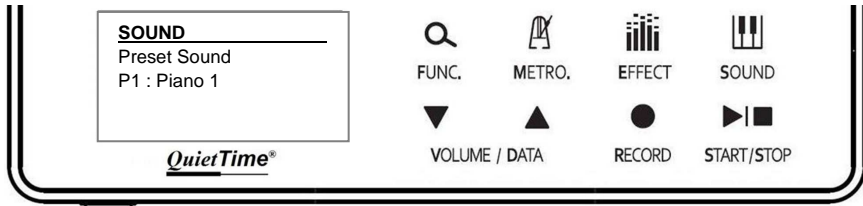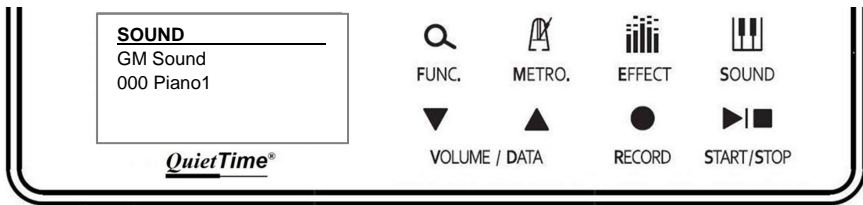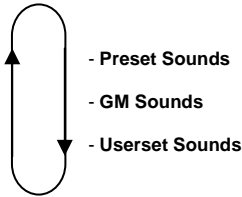
Sound menu

Selecting another tone of instrument

Tap the sound key to switch to the Sound menu.

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

SOUND
Preset Sound
P1 : Piano 1

Display in Sound menu

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

- **Preset Sounds**

- **GM Sounds**

- **Userset Sounds**

SOUND
GM Sound
000 Piano1

Example: display of Sound menu / GM Sound-library

SOUND
Userset Sound
U0 : Default
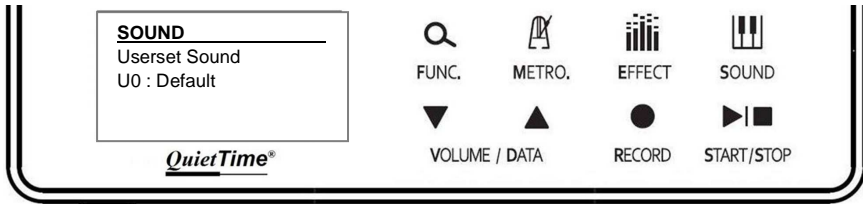
Example: display of Sound menu / GM Sound-library
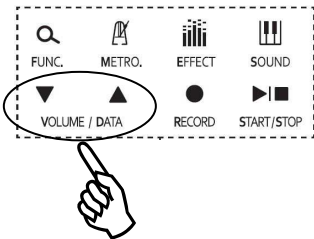
Tap the Up or Down arrow to select the instrument you want to play.

| SOUND Userset Sound U1 : User 1 | SOUND Userset Sound U2 : User 2 |
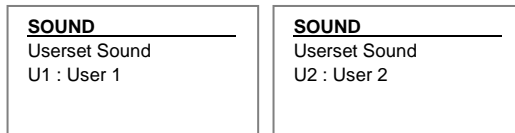
e.g. changing display while touching the arrow buttons

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

QuietTime Magic Star V5 – Tones available

Pre-set sound library

P1: Piano1
P2: Piano2
P3: Piano1 + Fast Strings
P4: Piano1 + Slow Strings
P5: Fast Strings
P6: Slow Strings

Popular tones selection

P7: Harpsichord
P8: E-Piano
P9: Ch. Organ
P10: Piano2 + Fast Strings
P11: Piano2 + Slow Strings
P12: Piano Mute **

** Select P12 to use the system as metronome, while playing the acoustic piano.

GM sound library

General MIDI tones

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	Musik 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		

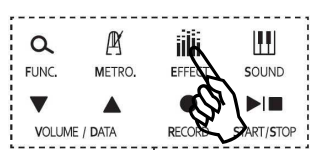**Userset sound library**

Using your own tone settings

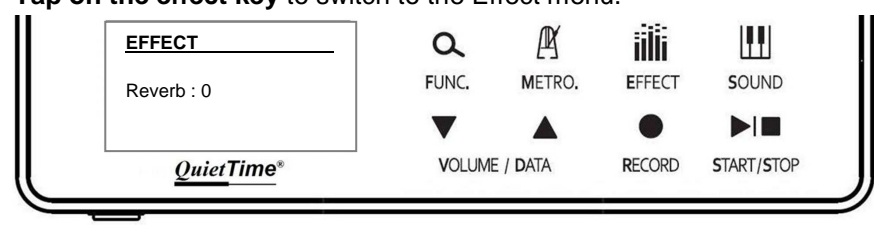User 1

User 2

User 3

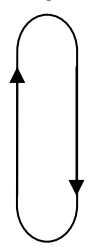**Effect menu**   **Selecting and adjusting the sound effects**

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

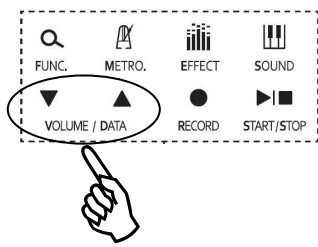

Display of effect menu / eeverb-effekt

Tap the mode button to select a sound effect.

|		
- **Reverb-Effect**	Reverb	Range: 0 – 127 (Default = 0)
- **Chorus-Effect**	Chor	Range: 0 – 127 (Default = 0)
- **Transpose-Effect**	Transposition	Range: -/+24 (Default = 0)
- **Pitch-Effect**	Tuning	Range: 438 - 445Hz (Default = 440Hz)
- **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.
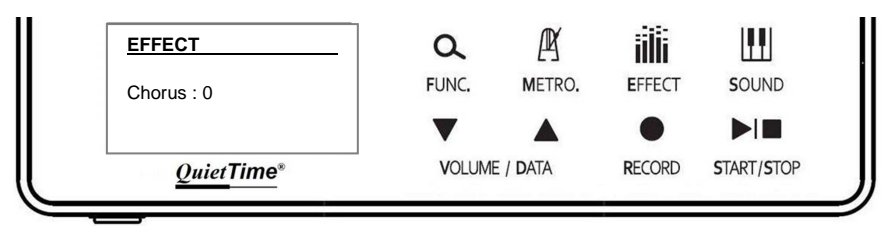
Effects and their impact

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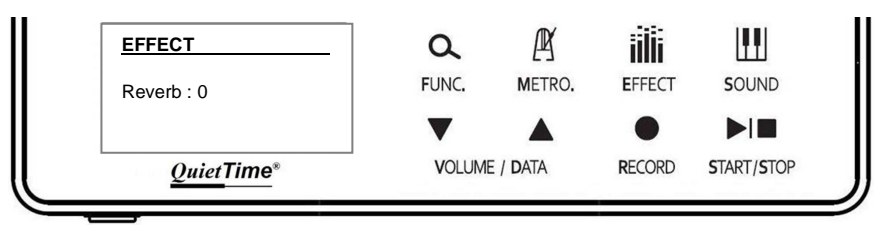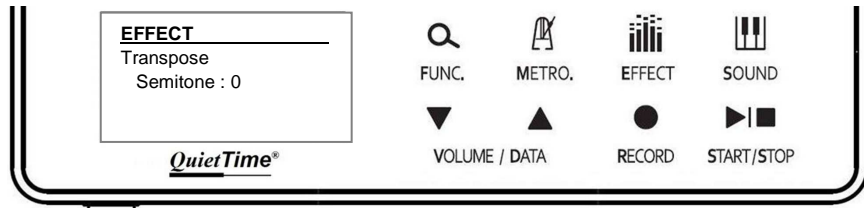

Display of Effect menu / reverb-effect

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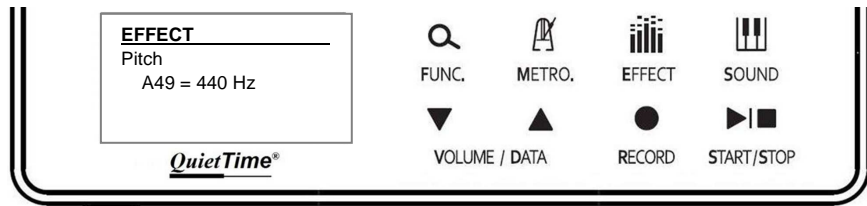

Display of effect menu / chorus-effect

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

EFFECT
Transpose
  Semitone : 0

QuietTime®

FUNC.   METRO.   EFFECT   SOUND
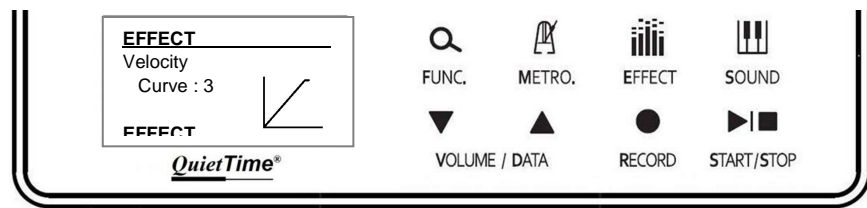VOLUME / DATA   RECORD   START/STOP

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.

EFFECT
Pitch
  A49 = 440 Hz

QuietTime®

FUNC.   METRO.   EFFECT   SOUND
VOLUME / DATA   RECORD   START/STOP

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.
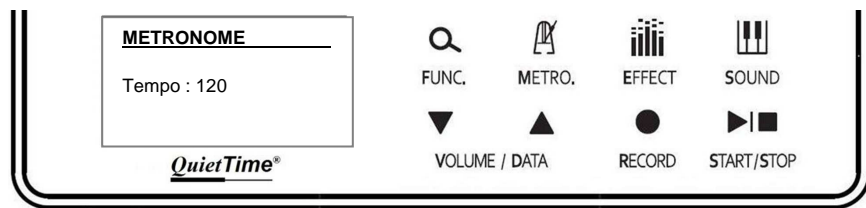
EFFECT
Velocity
  Curve : 3
EFFECT

QuietTime®

FUNC.   METRO.   EFFECT   SOUND
VOLUME / DATA   RECORD   START/STOP

Display of effect menu / velocity-effect

Metronome menu

Using the metronome, setting up as necessary

FUNC.   METRO.   EFFECT   SOUND
VOLUME / DATA   RECORD   START/STOP

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

METRONOME

Tempo : 120

QuietTime®

FUNC.   METRO.   EFFECT   SOUND
VOLUME / DATA   RECORD   START/STOP

Display of metronome menu / tempo setting

FUNC.   METRO.   EFFECT   SOUND
VOLUME / DATA   RECORD   START/STOP
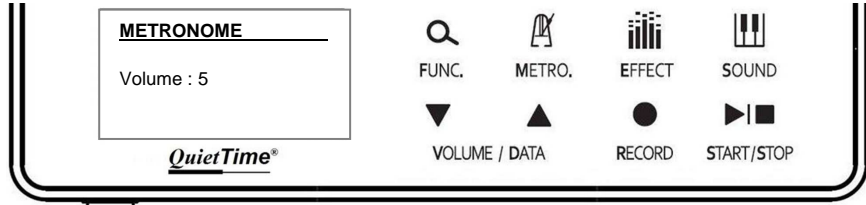
Tap on the metronome symbol again to select a metronome setting.

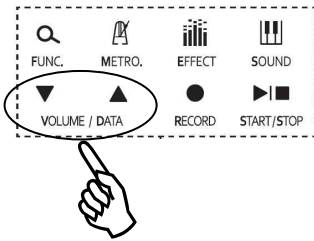| - **Tempo setting** | Tempo | range: 0 - 250 |
- **Beat setting**	Beat	range: 0/2 - 4/2, 0/4 - 8/4, 0/8 – 9/8 (Default = 4/4)
- **Volume setting**	Volume	range: 0 – 9 (Default = 5)
- **Bell setting**	Bell	range: On / Off (Default = On)

13
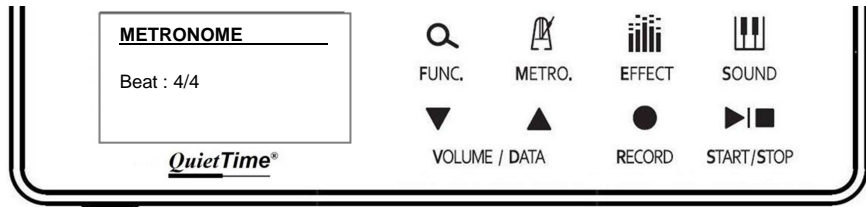
Display of the metronome menu / beat setting

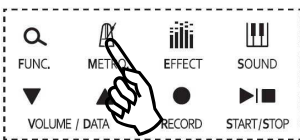Display of the metronome menu / volume setting
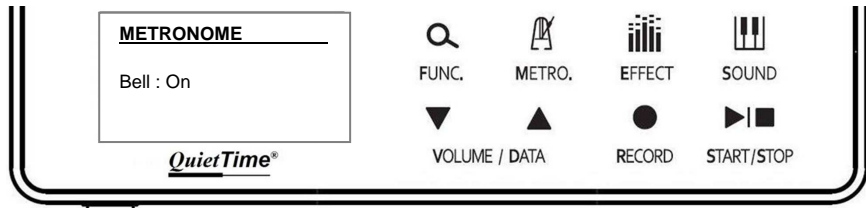
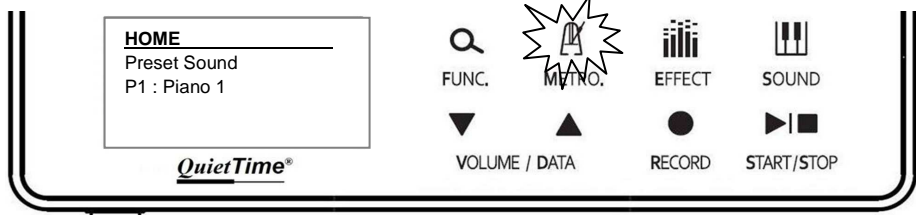Display of the metronome menu / bell setting

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

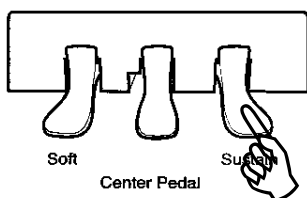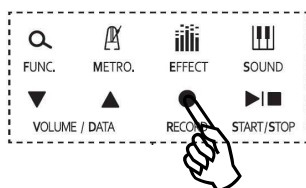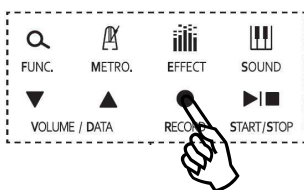## Metronome

Activating / Deactivating

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

The metronome symbol will flash regularly when the metronome is active.
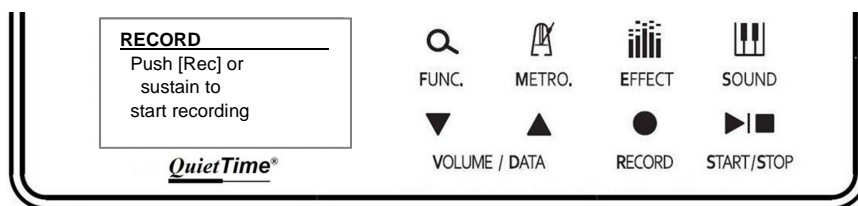
14

Record menu

Recording when you are playing the piano

Two types of recording are available with the Magic Star system. Type A and type B (Default = type A). The following will explain type A. How to choose the type of recording will be explained further down.
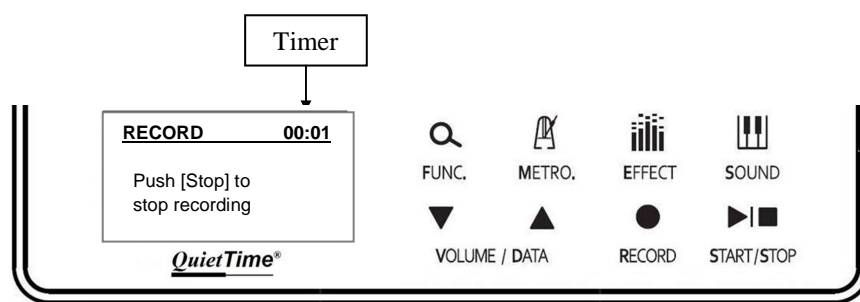
Press the Record-button to switch to the Record menu.

```
RECORD
 Push [Rec] or
   sustain to
 start recording

   QuietTime®
```

Display of record menu / display before starting to record.

Touch the Record button or

Step on the right pedal to start the recording.

Timer

```
RECORD          00:01

 Push [Stop] to
 stop recording

   QuietTime®
```

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 Magic Star system. Each new recording will erase the previous recording. Each recording will be obtained until you delete them if you attach an USB stick as memory for the 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.

Record Setup menu
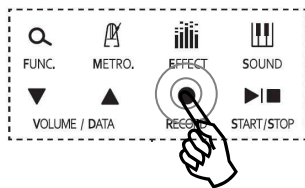
Selecting and adapting the settings for recording
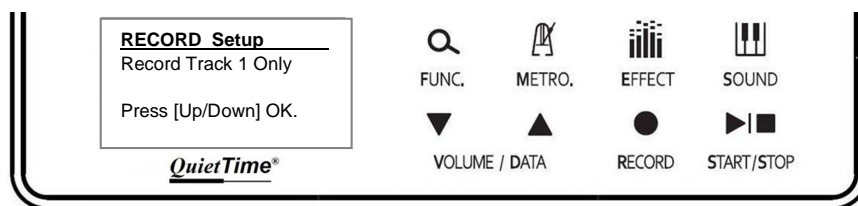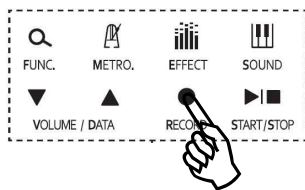

Initial position = HOME menu

Press and hold the Record button until "Record Setup" can be seen on display.


RECORD Setup
Record Track 1 Only

Press [Up/Down] OK.

QuietTime®

Display of record setup menu

Tap again on the RECORD symbol to reach the individual settings.
Available settings are:

- **Record Track 1 only**	Only recording Track 1
- **Record Track 1 / Play Track 2**	Record Track 1 whilst Track 2 is played
- **Record Track 2 only**	Only recording Track 2
- **Record Track 2 / Play Track 1**	Recording Track 2 whilst Track 1 is played
- **Recording process A/B**	Selection what shall happen after the recording Type A / Type B

Tap on the Up or Down arrow to make a choise.

INFO: There will be a confirmation of your choice visible for a few seconds after deciding e.g. „Track 1 only – selected".
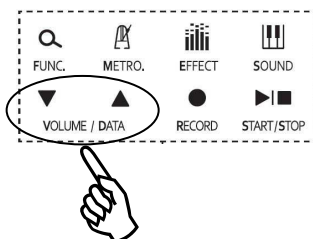
Information to settings

- Record Track 1 only
  What you are playing will be saved in Track 1

- Record Track 1 / Play Track 2
  What you are playing will be saved in Track 1 whilst Track 2 is played back.

- Record Track 2 only
  What you are playing will be saved in Track 2.

- Record Track 2 / Play Track 1
  What you are playing will be saved in Track 2 whilst Track 1 is played back.

- Recording process A / B
  Wich chosing the Recording Process you decide what shall happen after the recording.

  Type A (Default) = Recording will be terminated with Stop.
                          System will return to HOME menu.

  Type B   = Recording will be terminated with Stop.
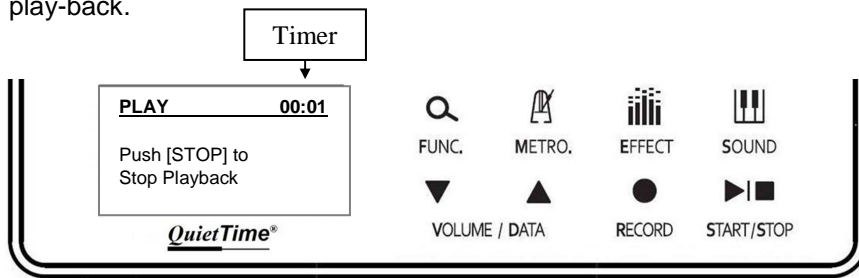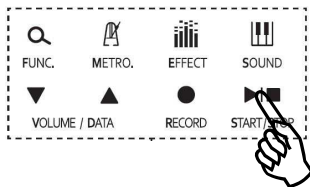   The system will immediately play back your recording.

Play 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.

Timer

```
PLAY            00:01

Push [STOP] to
Stop Playback

QuietTime®
```

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 returnes to the HOME mnu at the end of the play-back.** It is always the last recording which will be played back. There will be a selection of the recording to play if you have an USB stick attached.*

Play setup menu   Selecting and adapting the settings for play-back

Initial position = HOME menu

```
HOME
Preset Sound
P1 : Piano 1

QuietTime®
```
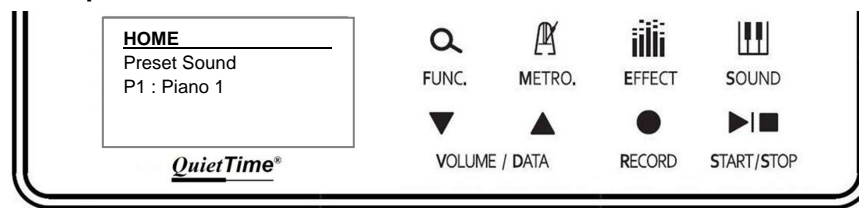
Display of Home menu
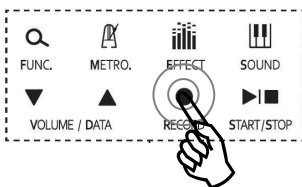
Press and hold the key START/STOP until the heading „PLAY Setup" is visible in the display.

```
PLAY  Setup
Playback Track 1

Press [Up/Down] OK.

QuietTime®
```

Display of Play Setup menu

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Play-Setup menu
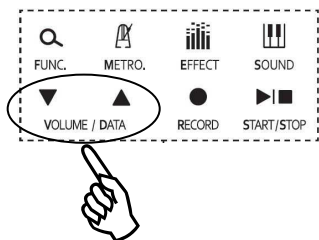
Tap again on the key START/STOP to reach the individual settings.
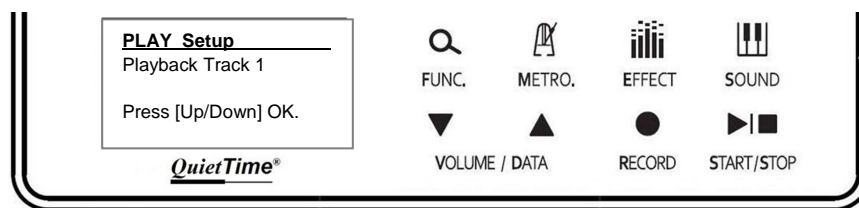Available settings:

- Playback Track 1	Only play back Track 1	
- Playback Track 2	Only play back Track 2	
- Playback Track 1+2	Play back Track 1 and Track 2	
- Loop Funktion	Loop play-back	ON / OFF
- 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. „Track 1– selected".

Information to settings

- Playback Track 1 (Default = Playback Track 1)
   What was saved as Track 1 will be played back.

- Playback Track 2
   What was saved as Track 2 will be played back.

- Playback Track 1+2
   Both what was saved in Track 1 and Track 2 will be played back.

- Loop ON / OFF (Default = OFF)
   The play-back will be constantly repeated if you choose ON. If OFF is chosen one play-back only will be reproduced.

- Local ON / OFF (Default = ON)
   The sound card will ignore what you are playing on the keyboard when the option OFF is set. The Magic Star system will only produce tones from MIDI files which are received over MIDI IN. The Magic Star works normal when the option ON is set.

- MIDI Out ON / OFF (Default = OFF)
   The Magic Star 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.

Userset edit menu

Creating a tone of an instrument/sound combination with individual predetermined settings.
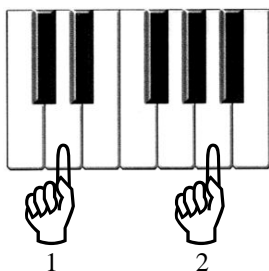
Initial position = HOME menu

Press keys Record and Sound simultaneously until the heading „USERSET EDIT" is visible in the display.

USERSET EDIT
Channel : 01
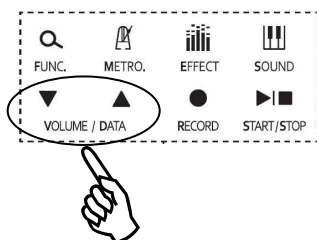Key Range :
 01 A0 ~88 C8

QuietTime®
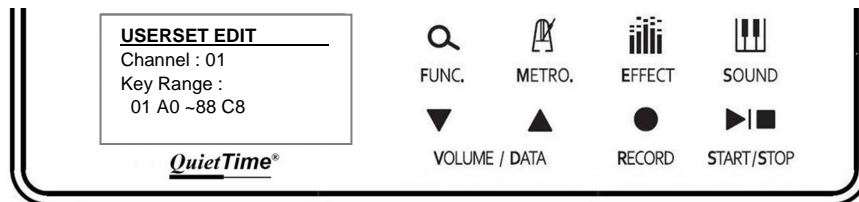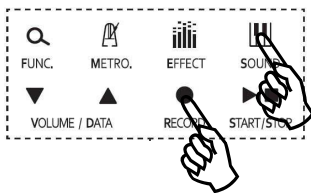
Display in Userset edit menu

You can change between the available predetermined settings for your tone of instrument by **tapping on the key Sound**.

You can define the key range by playing the **lowest keys first and then the highest key of the key range on the keyboard.**

1   2

All the other ons are defined by **tapping on the Up and Down arrows.**

Following settings are available:

- Channel : 01 / Key Range   MIDI Channel 1
- Channel : 01 / Instrument   MIDI Channel 1
- Channel : 01 / Volume   MIDI Channel 1
- Channel : 01 / Transpose Semitone   MIDI Channel 1
- Reverb   (for all MIDI channels)
- Chorus   (for all MIDI channels)
- Pitch   (for all MIDI channels)
- Velocity Curve   (for all MIDI channels)
- Channel : 02 / Key Range   MIDI channel 2, Key Range
- Channel : 02 / Instrument   MIDI channel 2
- Channel : 02 / Volume   MIDI channel 2
- Channel : 02 / Transponse Semitone MIDI channel 2
- Channel : 03 / Key Range   MIDI channel 3
- Channel : 03 / Instrument   MIDI channel 3
- Channel : 03 / Volume   MIDI channel 3

INFO: See effect menu for information to the effects transponse, reverb, chorus, pitch,velocity. You can choose instruments from the GM library at "instrument".

You can tap on the Record key at any time to start saving your Userset sounds.

USERSET EDIT
Save to user : 1

Push [Rec.] to save.

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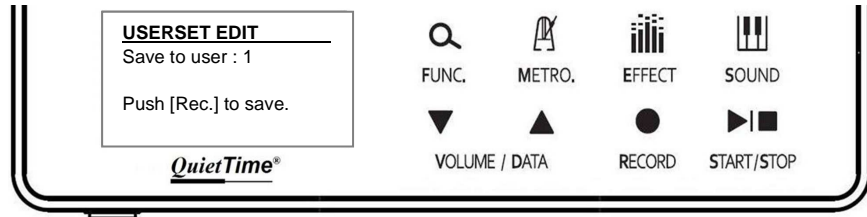
Display of the Userset edit menu, here saving of User1

Choose where to save your sound with the arrows. Available are: User1, User2 und User3

USERSET EDIT
Save to user : 1

Push [Rec.] to save.

QuietTime®
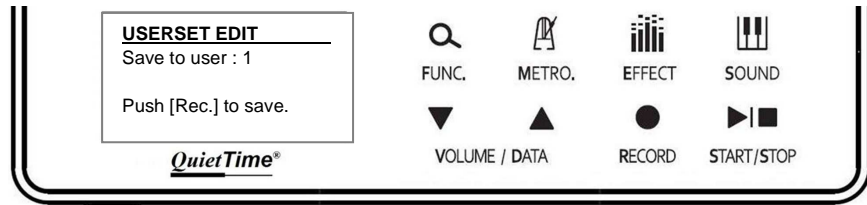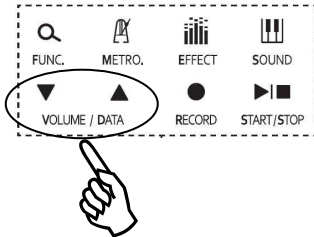
Display of the Userset edit menu, here saving of User1

Press the Record key again to terminate the saving of your Userset sounds
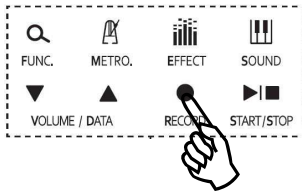
INFO: Any existing information stored in the memory storage position that you have selected, e.g. User1, is overwritten by your new settings. You can exit the procedure without saving the data by switching the system off or pressing one of the following buttons: Effect, Metro, Func. or Start/Stop.

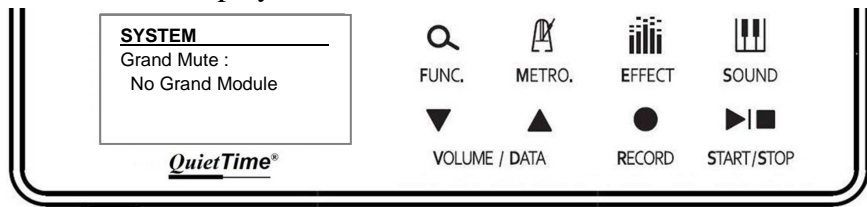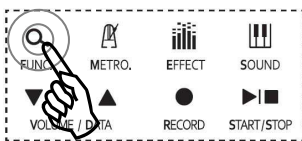**System menu** **Displaying or modifying the system information.**

Access to the menu of the system:

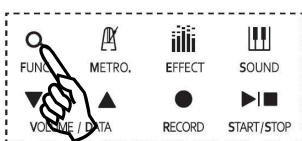**Initial position = HOME menu**

Press and hold the FUNC key until the heading „SYSTEM" is visible in the display.

SYSTEM
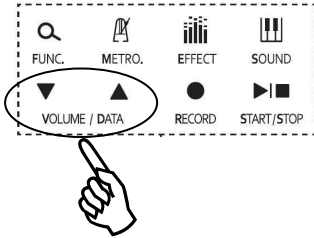Grand Mute :
 No Grand Module

QuietTime®

Display of the System menu, Grand Mute feature

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

System menu

Continuation

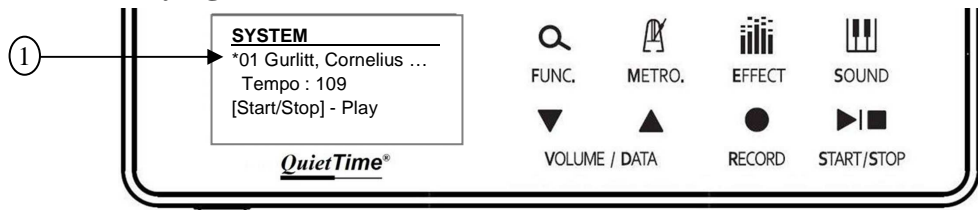**Tap on the Up or Down arrow** to set the value and have it shown respectively.

Following features are available:

-	Grand Mute	Stop rail On/OFF (No usage at the moment!)
-	Demo	Demo Song reproduction (01 – 81)
-	Control / Main / Grand	Show firmware versions
-	Start-Up Preset	Choice of start preset (P1 – P12, User Set 0 – 3, default = P1)
-	Start Volume	(0-100, default = 55)
-	Line-In	Volume for the Line In input (-80-0, default = -10)
-	Line-Out	Volume for the Line Out outlet (-80-0, default = 0)
-	Memory Initialize	Reset to factory settings
-	Prg./Data Update	Activation for firmware update via USB Midi connection
-	Power LED	Switching the illumination on and off (On/Off, default = On)
-	LCD Contrast	Contrast settings for the display (0-12, default 10)
-	LCD Backlight	Setting time until illumination turns off (Always On, 10 Sec., 20 Sec., 30 Sec., defalut = 10 Sec.)
-	Power-On Hold	Deactivateing power button (On/Off, default = Off)
-	Date/Time	Setting date and time
-	Piano Type	Setting type of instrument (Upright / Grand, default = Upright)
-	Insert Note-off	Feature for faster repeated play of tones, trill (On/Off, default = On)

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

System menu

Playing the demo music

SYSTEM
*01 Gurlitt, Cornelius …
 Tempo : 109
[Start/Stop] - Play

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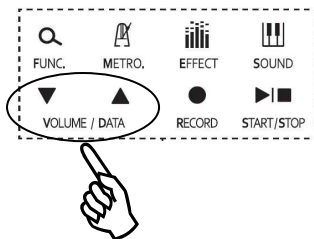
Display of System menu, Demo feature

1 = the star in front of „01 Gurlitt, Cornelius" shows that you can now select the demo song with the arrows.

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

System menu

Continuation / Playing the demo music

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

During reproduction


```
SYSTEM            00:01
 01 Gurlitt, Cornelius …
  Tempo : 109
[Start/Stop] - Play
```
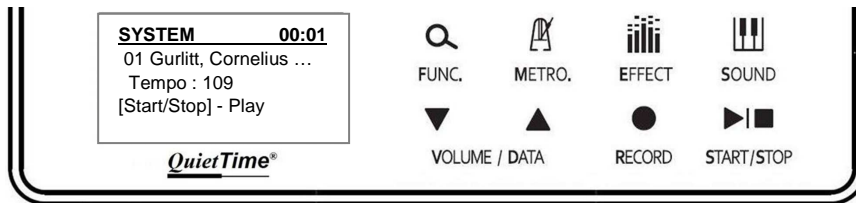
Display of System menu, Demo feature, whilst reproduction

Regulating the volume with the arrow keys
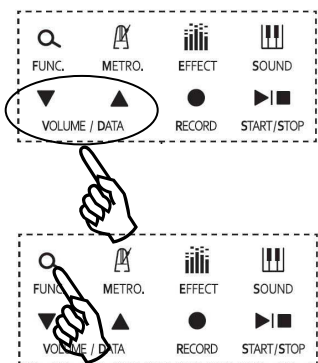
Tap on the FUNC.-Taste to reach the settings for tempo. Tap on the same key again to exit the setting possibilities and thereby enable the setting of volume via the arrows again.

① →

```
SYSTEM            00:01
 01 Gurlitt, Cornelius …
 *Tempo : 109
[Start/Stop] - Stop
```
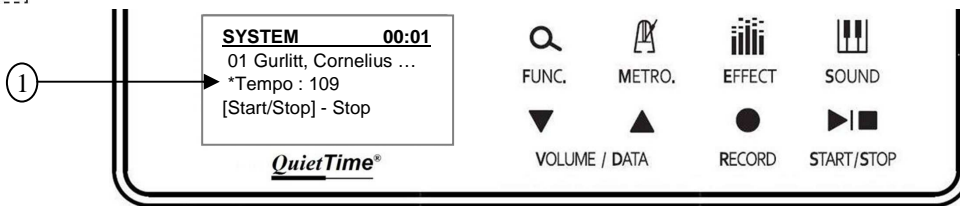
Display of System menu, Demo feature, Reproduction/Tempo setting

1 = the star in front of „Tempo : 109" shows that you can now set the tempo with the arrows.

System menu   **Continuation / QuietTime Magic Star V5 - Demo Songs:**

1. Attwood, Thomas - Sonatina in G 1st movement	41. Gurlitt, Cornelius - Sonatina Op.36, No.6, 3rd movement
2. Attwood, Thomas - Sonatina in G 2nd movement	42. Haslinger, Tobias - Sonatina in C 1st movement
3. Attwood, Thomas - Sonatina in G 3rd movement	43. Haslinger, Tobias - Sonatina in C 2nd movement
4. Attwood, Thomas - Sonatina in F 1st movement	44. Haydn, Franz Joseph - Sonata, Hob.XVI/13, 3rd movement
5. Attwood, Thomas - Sonatina in F 2nd movement	45. Keller, Oswin - Sonatina
6. Attwood, Thomas - Sonatina in F 3rd movement	46. Kuhlau, Friedrich - Sonatina, Op.55, No.1 1st movement
7. Beethoven, Ludwig van - Sonatina in G 1st movement	47. Kuhlau, Friedrich - Sonatina, Op.55, No.1 2nd movement
8. Beethoven, Ludwig van - Sonatina in G 2nd movement	48. Kuhlau, Friedrich - Sonatina, Op.55, No.3 1st movement
9. Beethoven, Ludwig van - Sonatina in F 1st movement	49. Kuhlau, Friedrich - Sonatina, Op.55, No.3 2nd movement
10. Beethoven, Ludwig van - Sonatina in F 2nd movement	50. Kuhlau, Friedrich - Sonatina, Op.20, No.1 1st movement
11. Beethoven, Ludwig van - Sonata, Op.49, No.2 1st move.	51. Kuhlau, Friedrich - Sonatina, Op.20, No.1 2nd movement
12. Beethoven, Ludwig van - Sonata, Op.49, No.2 2nd move.	52. Kuhlau, Friedrich - Sonatina, Op.20, No.1 3rd movement
13. Benda, Jiri Antonin - Sonatina in A Minor	53. Kuhlau, Friedrich - Sonatina, Op.88, No.1 1st movement
14. Biehl, Albert - Sonatina, Op.57, No. 1 1st movement	54. Kuhlau, Friedrich - Sonatina, Op.88, No.1 2nd movement
15. Biehl, Albert - Sonatina, Op.57, No. 1 2nd movement	55. Kuhlau, Friedrich - Sonatina, Op.88, No.1 3rd movement
16. Biehl, Albert - Sonatina in C	56. Kuhlau, Friedrich - Sonatina, Op.88, No.3 3rd movement
17. Camidge, Matthew - Sonatina in D 1st movement	57. Latour, Jean Theodore - Sonatina in C, 1st movement
18. Camidge, Matthew - Sonatina in D 2nd movement	58. Latour, Jean Theodore - Sonatina in G, 1st movement
19. Clementi, Muzio - Sonatina Op.36, No.1, 1st movement	59. Latour, Jean Theodore - Sonatina in G, 2nd movement
20. Clementi, Muzio - Sonatina Op.36, No.1, 2nd movement	60. Latour, Jean Theodore - Sonatina in G, 3rd movement
21. Clementi, Muzio - Sonatina Op.36, No.1, 3rd movement	61. Latour, Jean Theodore - Sonatina in G, 1st variations
22. Clementi, Muzio - Sonatina Op.36, No.2, 1st movement	62. Latour, Jean Theodore - Sonatina in G, 2nd variations
23. Clementi, Muzio - Sonatina Op.36, No.2, 2nd movement	63. Lichner, Heinrich - Sonatina, Op.49, No.1 1st movement
24. Clementi, Muzio - Sonatina Op.36, No.2, 3rd movement	64. Lichner, Heinrich - Sonatina, Op.49, No.1 2nd movement
25. Clementi, Muzio - Sonatina Op.36, No.3, 1st movement	65. Lichner, Heinrich - Sonatina, Op.49, No.1 3rd movement
26. Clementi, Muzio - Sonatina Op.36, No.3, 2nd movement	66. Lynew, Frank - Sonatina, Op.39, No. 1 1st movement
27. Clementi, Muzio - Sonatina Op.36, No.3, 3rd movement	67. Lynew, Frank - Sonatina, Op.39, No. 1 2nd movement
28. Clementi, Muzio - Sonatina Op.36, No.4, 1st movement	68. Lynew, Frank - Sonatina, Op.39, No. 1 3rd movement
29. Clementi, Muzio - Sonatina Op.36, No.4, 2nd movement	69. Mozart, Wolfgang Amadeus - Sonatina in C 1st movement
30. Clementi, Muzio - Sonatina Op.36, No.4, 3rd movement	70. Mozart, Wolfgang Amadeus - Sonatina in C 2nd movement
31. Clementi, Muzio - Sonatina Op.36, No.6, 1st movement	71. Mozart, Wolfgang Amadeus - Sonata K.545, 1st movement
32. Clementi, Muzio - Sonatina Op.36, No.6, 2nd movement	72. Mozart, Wolfgang Amadeus - Sonata K.545, 2nd movement
33. Czerny, Carl - Sonatina, Op.792, No.8 1st movement	73. Mozart, Wolfgang Amadeus - Sonata K.545, 3rd movement
34. Czerny, Carl - Sonatina, Op.792, No.8 2nd movement	74. Mozart- Sonata in A Major, K.331, 3rd movement: Rondo a la Turk
35. Czerny, Carl - Sonatina, Op.792, No.8 3rd movement	75. Saliutrinskaya, Tat'iana - Sonatina in D
36. Diabelli, Anton - Sonatina in F, 1st movement	76. Spindler, Fritz - Sonatina, Op.157, No.1 1st movement
37. Duncombe, William - Sonatina in C	77. Spindler, Fritz - Sonatina, Op.157, No.1 2nd movement
38. Gurlitt, Cornelius - Sonatina in C, 1st movement	78. Spindler, Fritz - Sonatina, Op.157, No.4 1st movement
39. Gurlitt, Cornelius - Sonatina Op.36, No.6, 1st movement	79. Spindler, Fritz - Sonatina, Op.157, No.4 2nd movement
40. Gurlitt, Cornelius - Sonatina Op.36, No.6, 2nd movement	80. Wesley, Samuel - Sonatina Op.4, No.10

**System menu**   **Selecting Start-Up Preset**
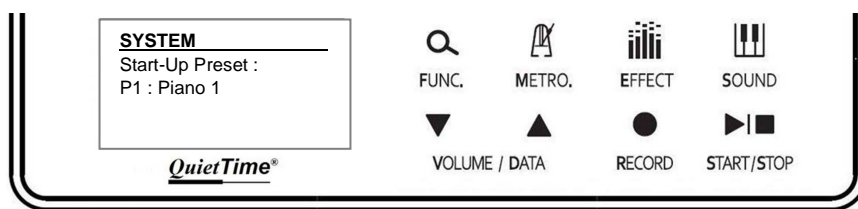
Display of System menu, Selecting Start-Up-Preset

You can decide with this setting which instrument and which combinations of instruments (and their settings) you wand to play as soon as the QuietTime Magic Star system is switched on.

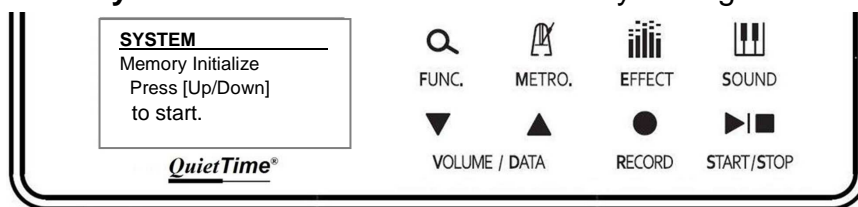You can choose from the Preset Sounds P1 to P12 and the Userset Sounds U0 to U3.

Your choice will be saved when you exit the System menu by pressing on of the keys Metro / Effect / Sound / Record or Start/Stop.
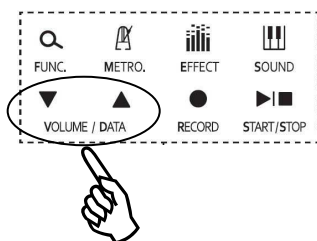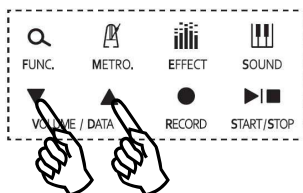

Tap on the Up or Down arrow to make a choice.

System menu   **Memory Initialize feature –** Restore factory settings.

Display of System menu, Memory Initialize feature

Tap simultaneously the Up and Down arrow 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.

System menu   **Prg./Data Update feature–** Installing Firmware Update.
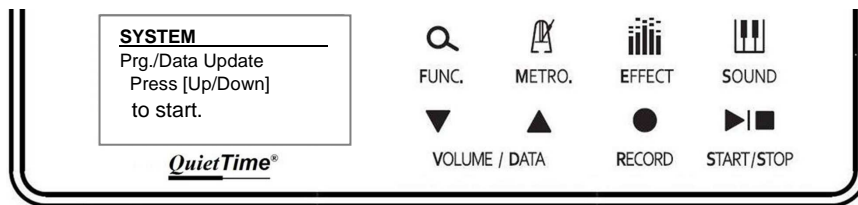
Display of System menu, Prg./Data Update feature

Tap simultaneously the Up and Down arrow 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.
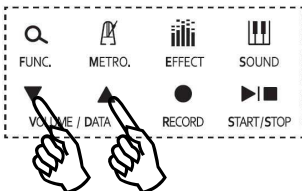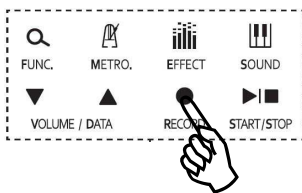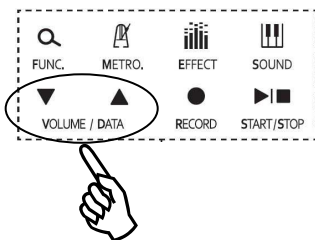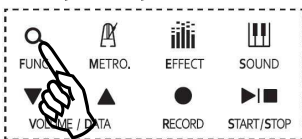
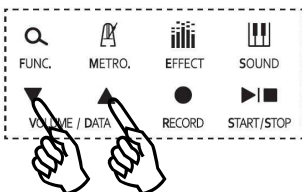**System menu**   **Setting date and time**
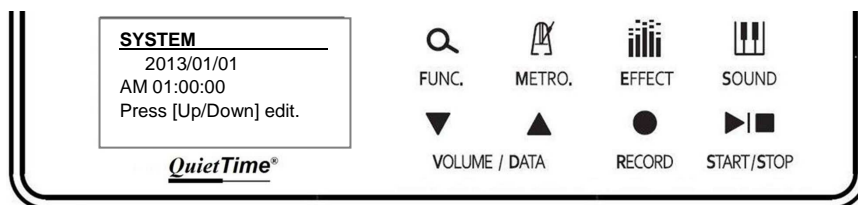
Display of System menu, date and time

Tap simultaneously the Up and Down arrow to start the adjustment.

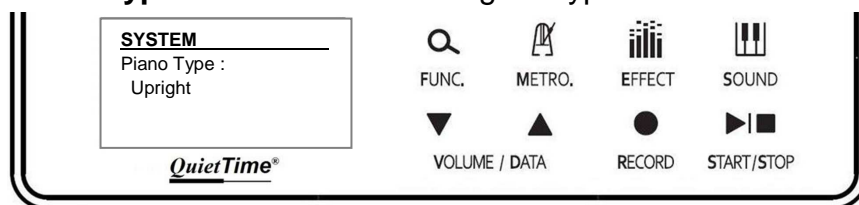Tap on FUNC to switch from year to month and month to day.

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

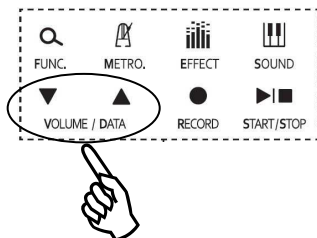To save and return to the System menu press the RECORD key.

System menu

Piano Type feature – determining the type of instrument.

SYSTEM
Piano Type :
 Upright

Display of System menu, Piano Type feature

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

Tip: *This feature influences how what you are playing on the piano will be converted in sounds and MIDI values respectively. Testing both ways (Upright and Grand, Default = Upright) for a while is the best way to find out which setting will have the best results for your instrument. It is possible that e.g the Magic Star system in an Upright piano will have better results with the setting Grand instead of the setting Upright and reversed. It might also be possible that both settings bring equal good results.*

System menu

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

SYSTEM
Insert Note-off :
 On

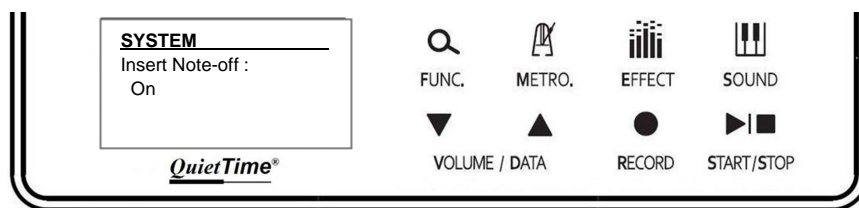Display of System menu, Insert Note-Off feature

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 is possible that e.g the Magic Star system in an Upright piano will have better results with the setting Grand instead of the setting Upright and reversed. It might also be possible that both settings bring equal good results.*
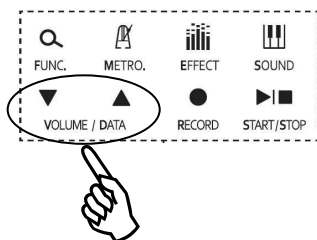
Calibrating   **Basic keyboard calibration**

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:

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.
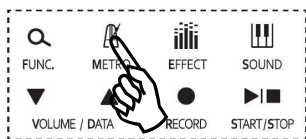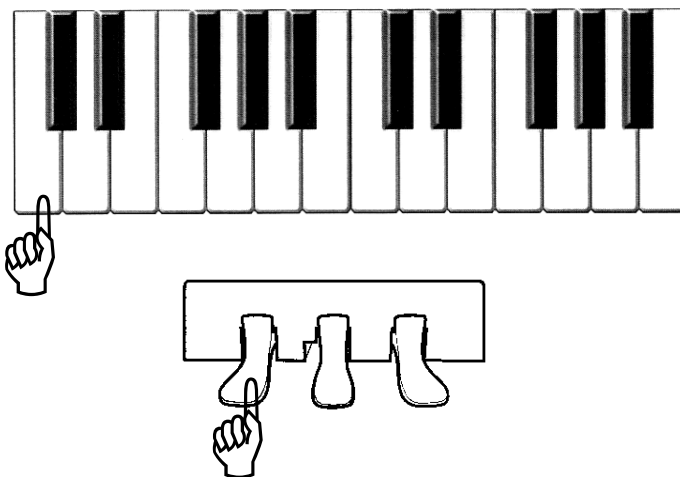
Turn the system on.
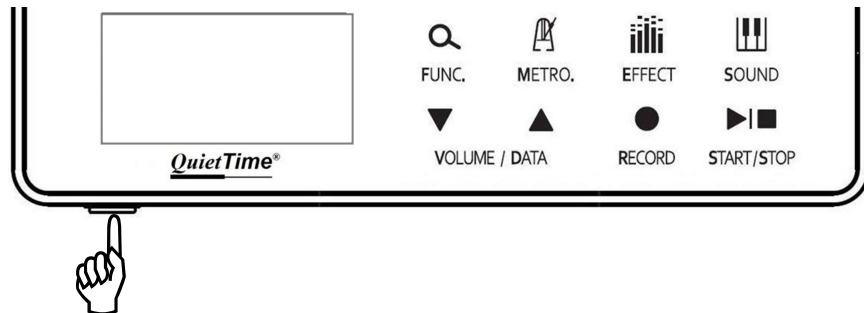
Shortly after switching the device on (approx. 1-2 seconds) press and hold the METRO key. Let go when the headline "KEY INITIALIZE" is visible on the display.
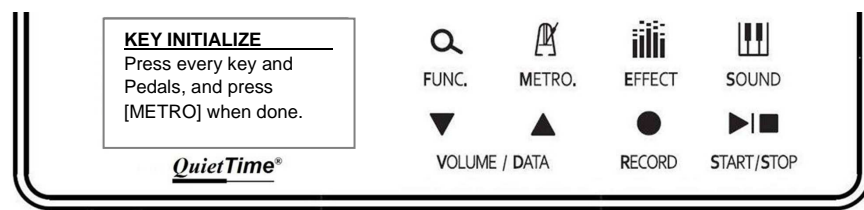
Press each of the 88 keys and the pedals fully down, one after the other, using your normal force and speed.

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.*

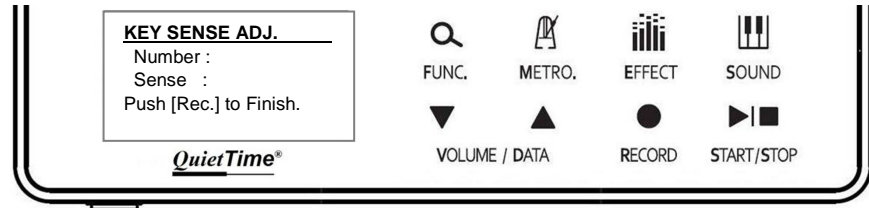Make sure you **switch off** QuietTime System.
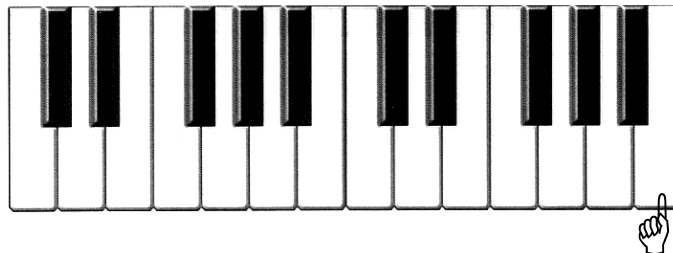
Turn the Magic Star on.
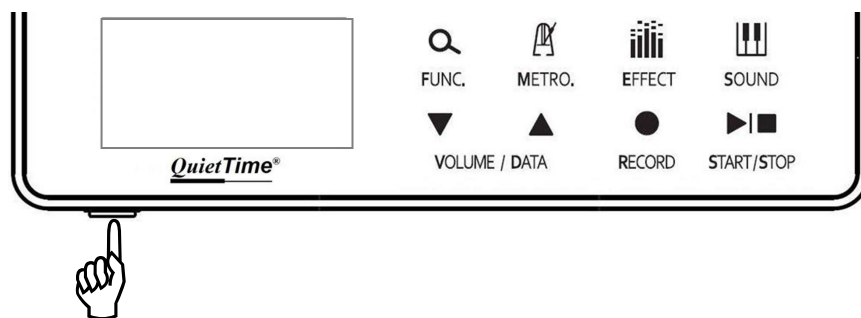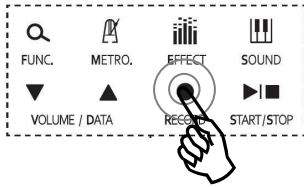
Shortly after switching the device on (approx. 1-2 seconds) press and hold the Rec key. Let go after 3 seconds.

The displayed will show the following:

```
KEY SENSE ADJ.
 Number :
 Sense   :
Push [Rec.] to Finish.
```

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.

```
KEY SENSE ADJ.
 Number : 76
 Sense   : 100
Push [Rec.] to Finish.
```
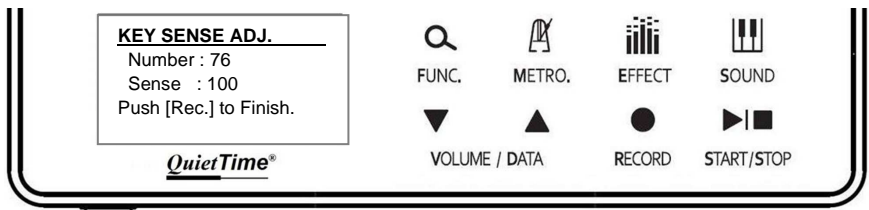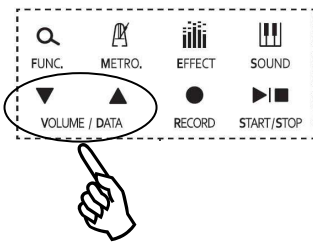
The sensitivity for the current key is shown on the display as a value ranging between 000 - 255.

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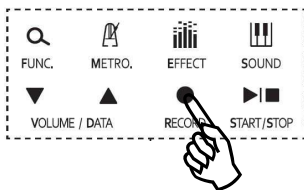
INFO: In a few seconds, the data is saved to the system's memory. The system automatically returns to the Home menu and is ready to play.

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Appendix

Technical Information

Rear connections

A. DC connection
This is where the power supply can be connected to. Alternatively it can also be connected to the Main Unit in the Upright piano or rather under the Grand. IMPORTANT: Only one power supply unit may be connected.

B. Control
Connector for the cable coming from the Main Unit.
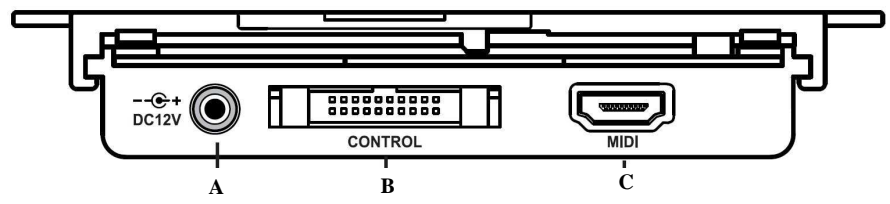
C. Connector for the optional MIDI I/O cable
This cable provides possibly in addition to the USB MIDI connection on the front side the known round DIN MIDI connector.

Main Unit Connection

You will find the Main Unit in an Upright piano behind the lower panel or on the downside of the an Grand piano.
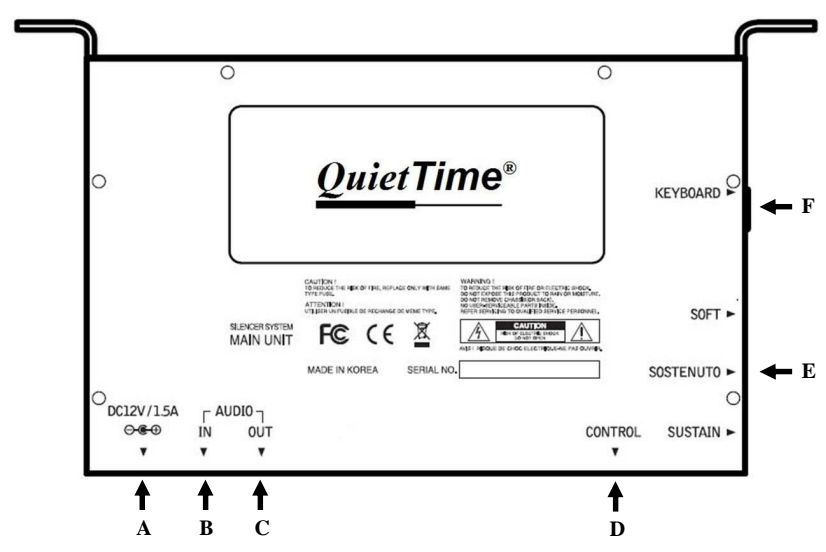
A. Alternative DC connector
This is where the power supply can be connected to. IMPORTANT: Only one power supply unit may be connected.

B. Line IN
3.5mm stereo audio connection for the incoming audio signal.

C. Line OUT
Stereo audio connection for connecting to an amplifier or a stereo system.
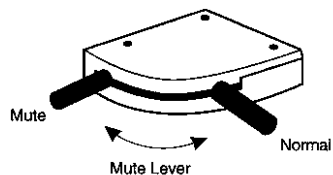
D. Control
Conection for cable to drawer.

E. Sustain / Sostenuto / Soft
Connections for the pedal sensors.
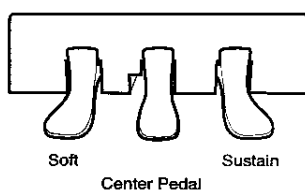
F Keyboard
Keyboard sensors cable connection.

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 (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.

Usage of USB sticks

Just plug the USB memory stick into the connector on the front of the Magic Star Control Unit to use a USB stick with the Magic Star system. That followed the system will ask you if you would like to copy the recordings saved on the Magic Star onto the stick.

Question on display: "USB Memory / Copy recordings to USB? YES [Rec] / No [Stop]

Press RECORD for YES or START/STOP for NO. A copy of your recordings will be created on the USB stick if you answer with YES. All further recordings done after that will be saved on the USB stick as lond asit is connected and the system is not switched off.
If you answer with NO nothing will be saved on the USB stick but you can also choose General MIDI files in the Play menu, which are saved in the main directory of the USB stick.

To have the USB stick recognized you will have to plug it in after switching the system on or rather disconnect and connect it shortly.

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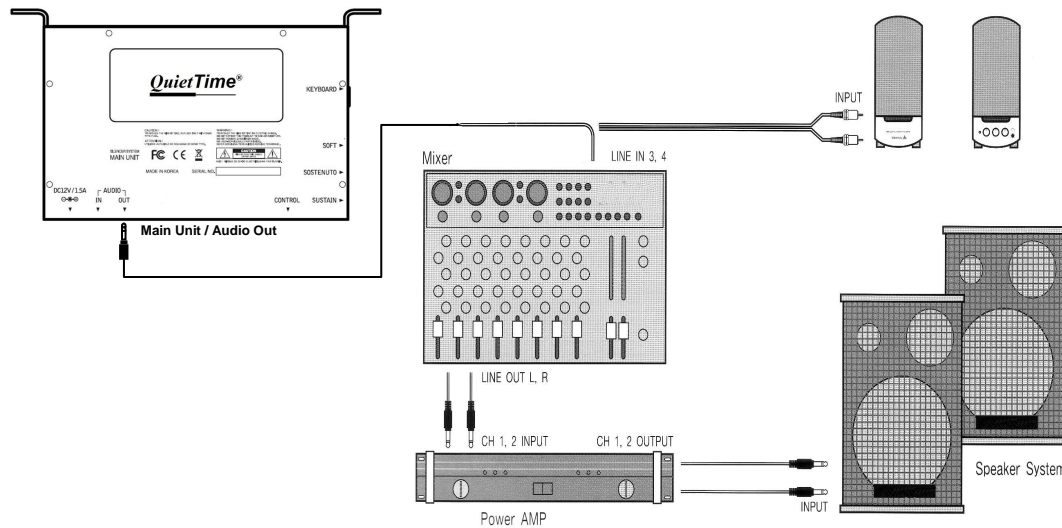
You can also connect an external audio source, such as a CD player, to the QuietTime audio LINE IN port. Connect one end of an audio cable to your audio source's AUX or Line OUT port, and the other end to QuietTime's audio line IN port.
The tone you hear in the headphones is a mixture of the system's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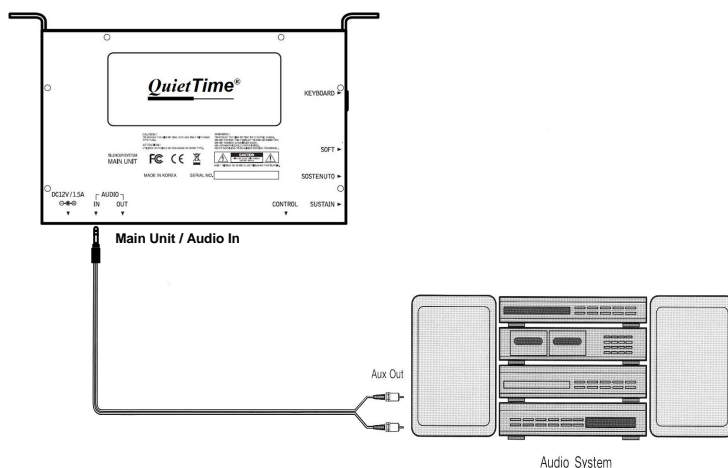
Connecting the QuietTime to external MIDI equipment.

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.
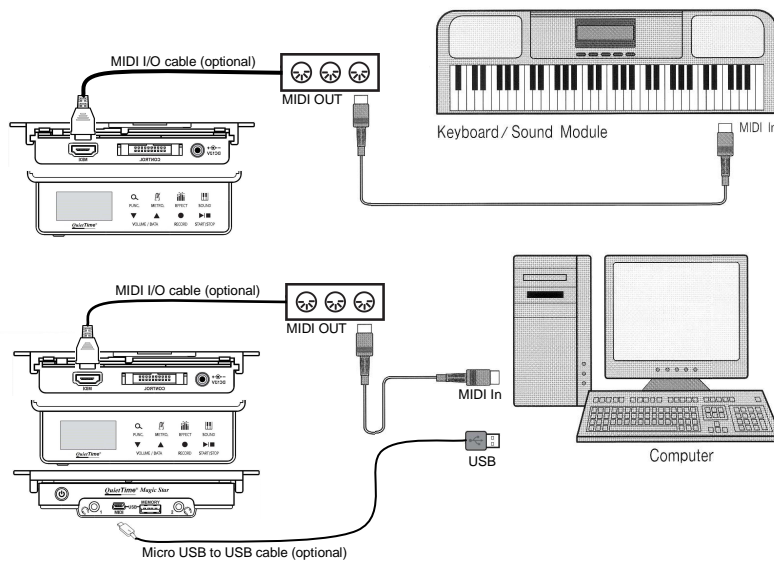
To receive MIDI data from the MIDI keyboard/synthesizer or computer connect the MIDI-OUT cable of the external MIDI device with help of a MIDI cable to the QuietTime's MIDI IN port.
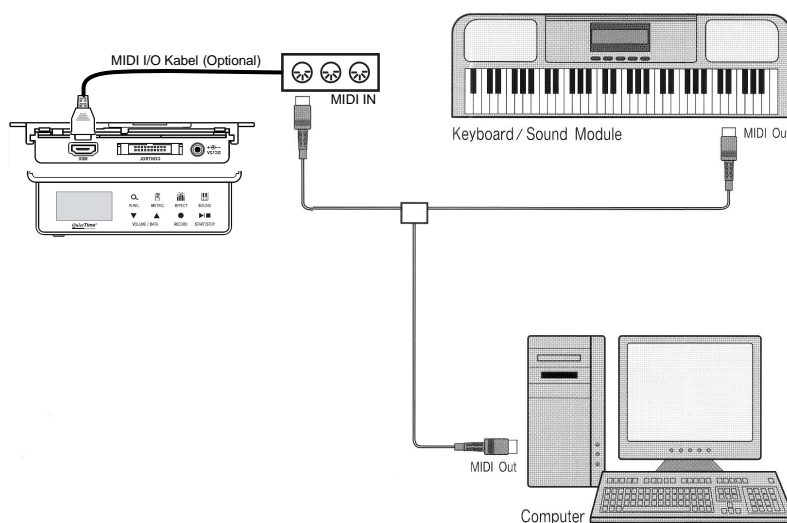
INFO: You can have MIDI IN and OUT cables connected at the same time. If you are using a computer, make sure the "Pass Through" is switched off in your software. This prevents double notes from being played or recorded.

QuietTime Magic Star System connection summary
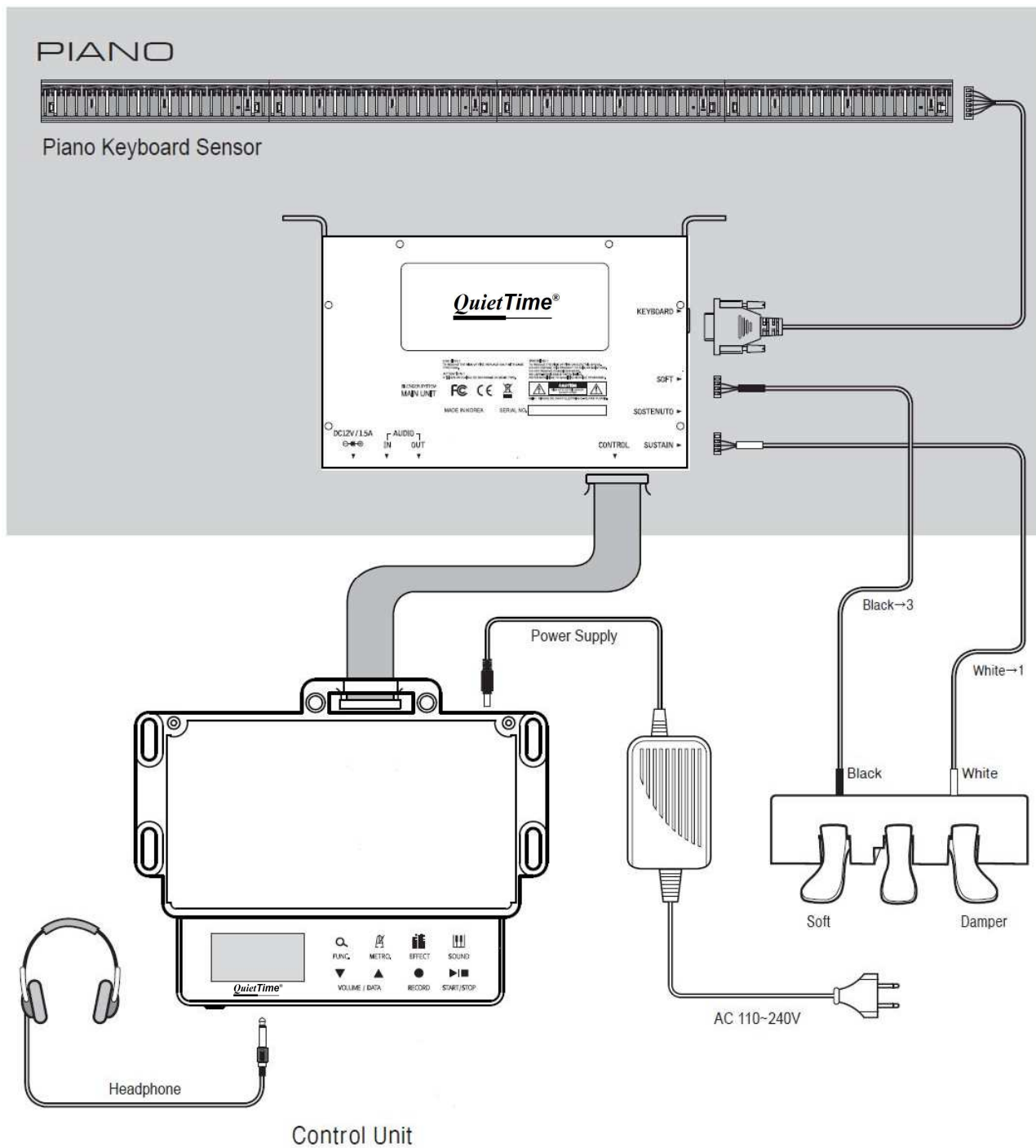
Legend:

Keyboard Sensor	=	Key sensors
Control Unit	=	Quiet Time tone gernerator
Main Unit	=	Central processor of the QuietTime systems
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 Note On Note Off	 9n, V = 127 9n, V = 0	 9n, V = 0 - 127 8n, V = 0 - 127	
Key Aftertouch Channel Aftertouch	X X	X O	

Pitchbend	X	O	+/-2 Octave
			PitchBend
			  Sensitivity
			  recognized

Control Change 0 , 32 1 6 , 38 7 10 11 64 67 91 93 98 99 100 101 120 121 123 Programm Change	 X X X X X X O O X X X X X X X X X X	 O O O O O O O O O O O O O O O O O O 0 - 127	 Blank select Modulation Data entry Main Volume Pan Expression Damper pedal Soft pedal Reverb Depth Chorus Depth NRPN LSB NRPN MSB RPN LSB RPN MSB All Sound Off Reset All Controllers 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	Reflector Type sensor system, optical scanning
	Sensitivity range	0 – 255 per key, individually adjustable
	Velocity range	127
	Velocity curves	5
Pedal sensors	Standard	Sustain-, Soft- pedal
	Optional	Sostenuto (middle pedal)
Instrument	Tones	12 Preset + 128 GM + 4 User Sounds
	Storage	384 Mb
	Polyphony max.	128
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	2 songs - intern	each approx. 40,000+ MIDI events (notes)
	Unlimited songs - USB	Unlimited MIDI events (notes)
Demo melody	80 songs	Various composers
Top view Control Unit	Display	LCD back light type
	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
	USB Host	For USB memory stick
Rear view Control Unit	MIDI I/O connection	Optional MIDI I/O Interface für In / Thru / Out (5 Pin DIN Port)
	DC connection, alternative	12V, 1.5A
Power supply	Input	AC 100-240V, 50-60Hz, 1-3A
	Output	DC 12V, 1.5A
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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