

# New GENIO Information

## 1. New GENIO System Composition

- 1) Control Unit - New (Basic & Premium)
- 2) Main Unit - New
- 3) I/O Module - New (Minus Option)
- 4) Sensor Rail - New
- 5) Pedal Sensors - New
- 6) Mute Bar & Lever
- 7) Headphone and Accessories

Main Unit



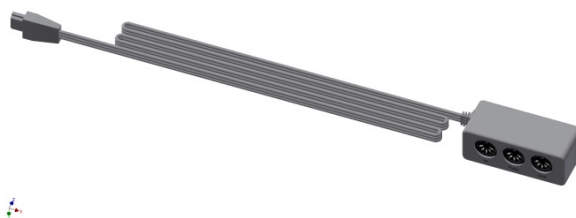
Control Unit (GENIO Premium)



Control Unit (GENIO Basic)



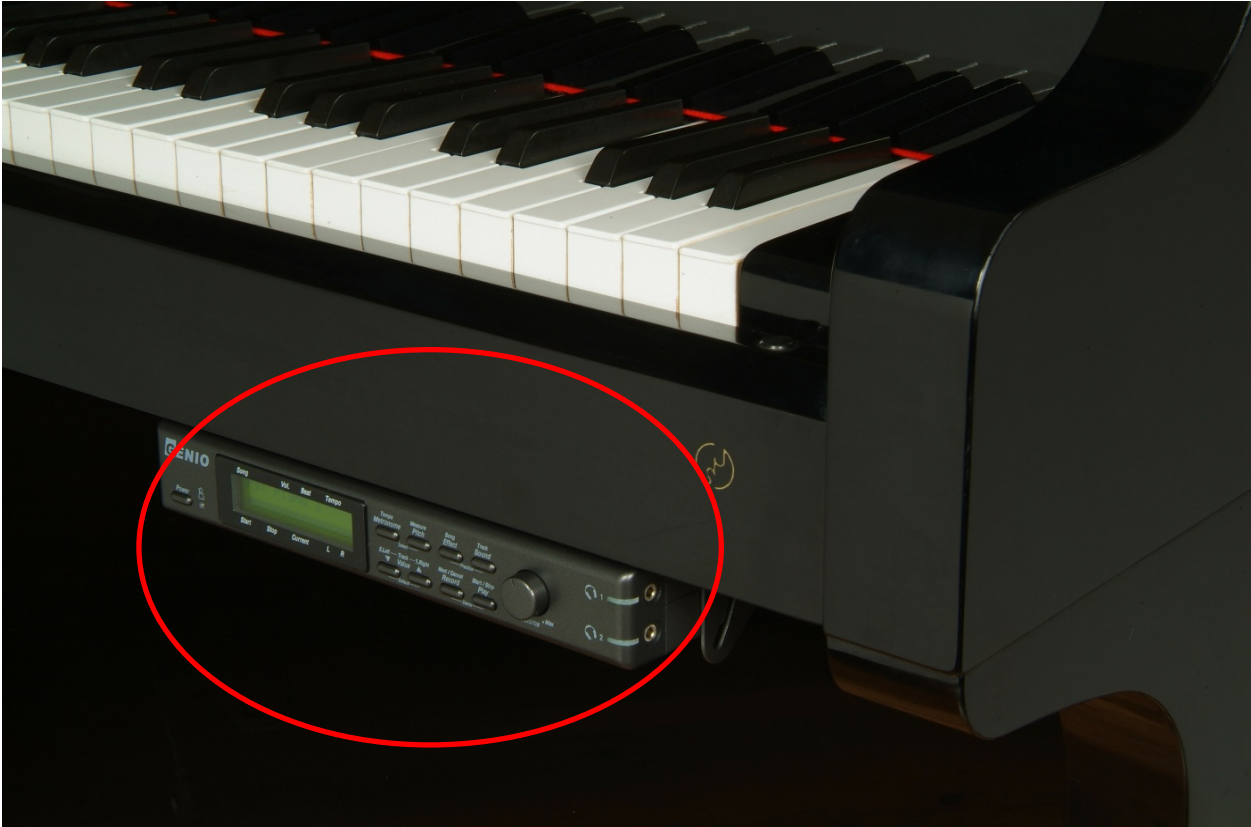
Control Unit (Bottom View)



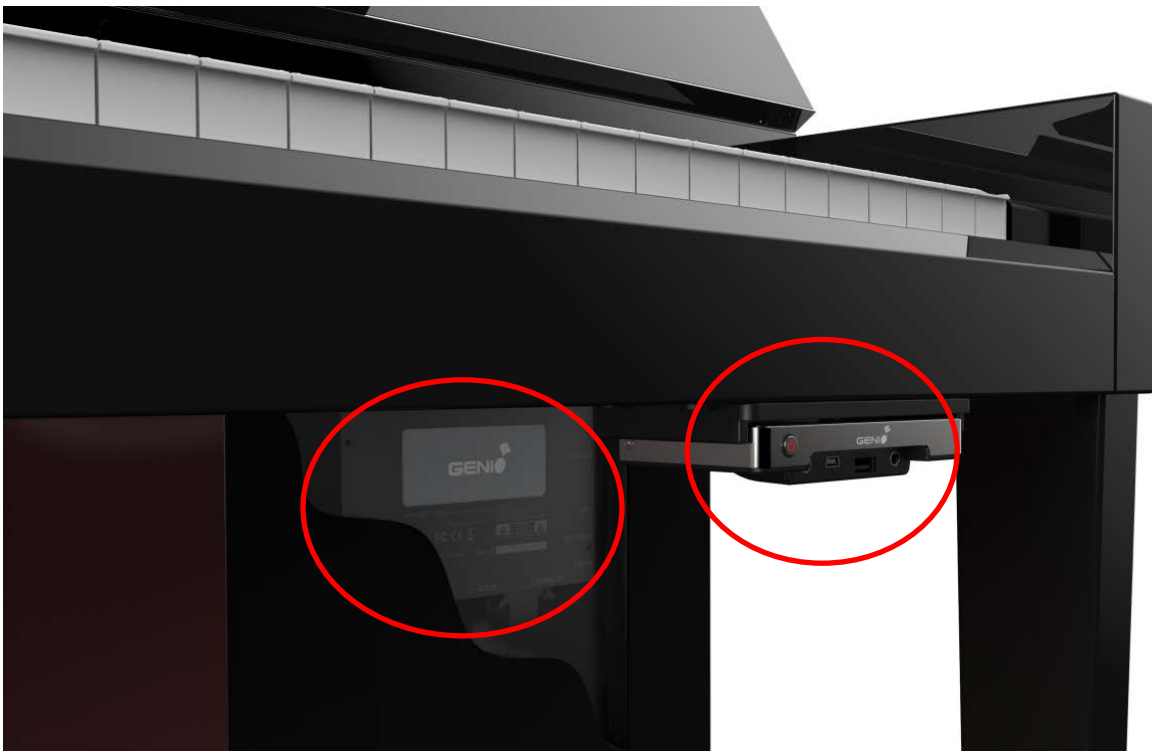
I/O Module (- Option)

## 2. Installation View

### 1) Current GENIO



### 2) New GENIO



### 3. What's New?

#### 1) **Control Unit** - Separated from the Main Unit

Feature : Slim & Small : Control Unit - 121 x 18 x 67 mm (W x H x D)

Sliding - "Push Latch" type

Touch Button - Illumination Button Type

Modern Design

Effect : Minimum exposure, weight lightening & modern atmosphere

Functionality, safety

Convenience, visibility

Serviceability by easy operation

#### 2) **Main Unit** - Separated from the Control Unit

Feature : Installation inside the Piano

Simple organization of the Cables

Effect : Safe keeping the important section

Clean keeping from outside environment

#### 3) **I/O Module** (Minus Option)

Feature : Separated from Control/Main Unit

Effect : For professional MIDI users

- Easing the burden of finance and usage for un-user

#### 4) Improvement of **Key Sensor**'s degree of precision

Feature : 4 times faster scanning than the current sensors

Effect : Improve the expressiveness

Strong reaction of repeated note playing

Reduce the latency

#### 5) Improved **PCB**

Feature : Currently 2 layer PCB is changed to 4 layer PCB.

Effect : Reduce "White Noise" and size miniaturization

#### 6) Upgraded **Pedal Sensors**

Feature : Currently ON/OFF type -> New Linear Optical Sensor

Effect : Half pedal function available

(The current soundboard cannot back up this function.

So, we are developing new soundboard now for future GENIO project)

#### 7) **USB Port** (for Premium Model)

Feature : Connecting to USB Stick / Computer

Effect : Compatibility with external memory/device

#### 8) **MIDI Interface**

Feature : Built-In MIDI Interface

Effect : No Need to have external MIDI Interface

#### 4. New GENIO Specifications

Item		Description	
		Basic Model	Premium Model
Silent Mechanism		Universal Mute Rail by Manual Lever	
Sensor Keyboard		Reflector Type Photo Sensor System	
Velocity		127 Level	
Touch Response		5 Curves	
Sensitivity of each Keys		Individual Adjustment Range from 000 to 256	
Sensor Pedal		Sustain, Soft (Grand : + Sostenuto)	
Sounds		16 Pre-Set + 16 User-Set, 128 Sounds and 61 Drum (GM standard patch)	
Sounds Memory		384 Mb	
Polyphony		128 Poly	
Transpose		+24 Semitone	
Effect	Reverb Type	8	
	Reverb Depth	000 ~ 127	
	Chorus Type	8	
	Chorus Depth	000 ~ 127	
Pitch	Default	440 Hz	
	Variation Range	438 ~ 445 Hz (1 Hz)	
Metro nome	Tempo	25 ~ 250	
	Beat	21 Type	
	Volume	0 ~ 9	
Demonstration Song		20 Songs	110 Songs, Download more from Website in the future.
Record and Playback		Approx. 30,000 Notes	
Display		3 Digit Numeric LED	128 x 64 LCD Display
Headphone Jack		1/8" x 2 Jacks	
MIDI INTERFACE		MIDI INTERFACE built in	
MIDI OPTION		Input / Out / Thru (Extra MIDI Module)	
Audio		In/Out (Stereo)	
Power Supply		Input : AC 100 ~ 240V, Output : DC 12V, 1~3A	
<b>Dimension of Control Unit</b>		<b>121 x 18 x 67 mm (W x H x D)</b>	
Education Mode		N/A	Start, Stop, Current Measure Set (Repeat)
			Tempo Control, A/B Repeat
			Right, Left, Accompaniment On/Off
USB Device		<b>Connecting to Computer</b>	
USB Host		N/A	Connecting to USB Memory
Remark			

\* For Grand Piano : Universal Mute Rail by Auto Lever, controlled from the Control Unit  
Sustain, Sostenuto, Soft Pedal Sensors

\* Above specifications are subject to change without notice.

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MIDMURO CO., LTD.