

English version

- ◆ Please read this manual thoroughly before installation.
- ◆ Visit our website and view the Z-MACHINE GT900 installation video first to ease the installation process.

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1 Safety Notices

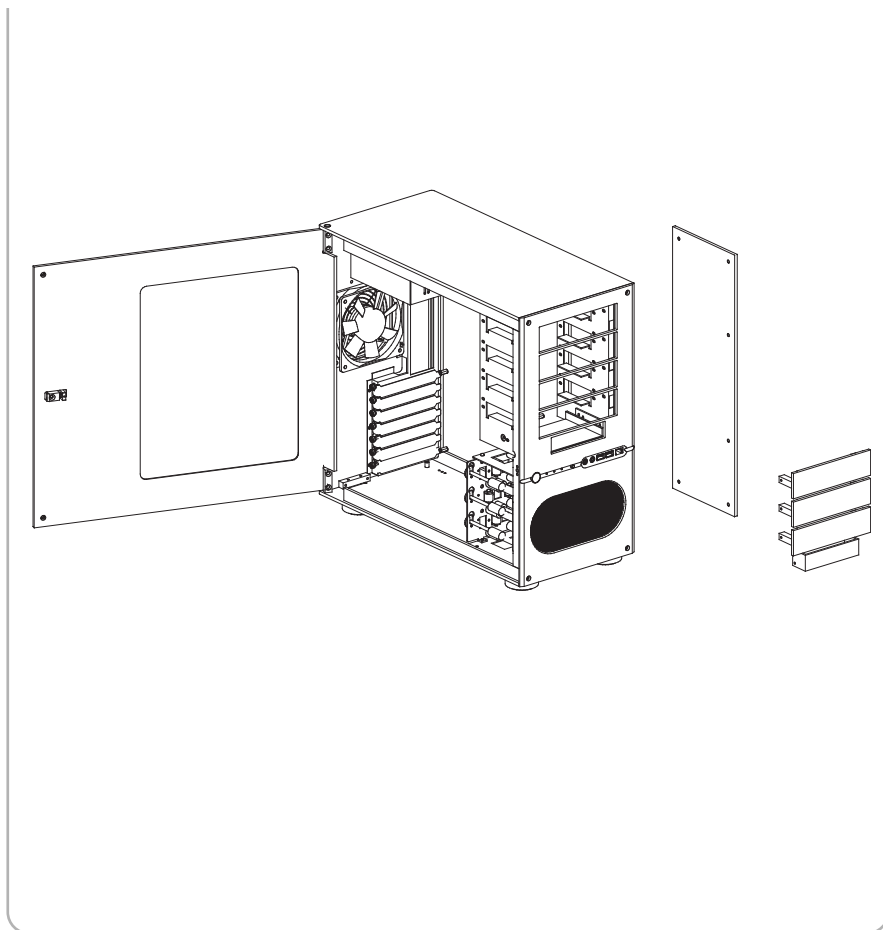
- (1) Check the condition of the product and its components before installation. If there is a problem with the product and/or its components, please contact the retailer for replacement.
- (2) Avoid inserting any objects into the system while the power is ON. It may be harmful for the user and product.
- (3) Check the manual when connecting cables. Incorrect connections can lead to fire resulting from short circuit.**
- (4) The vents on the front and rear panels must not be blocked.
- (5) Keep this unit away from heat sources and direct sunlight, as well as from water, oil, and humidity. Place the unit on a flat, leveled, solid, and well-ventilated area.
- (6) Do not clean the product surface with chemicals or wet cloth. (chemicals: industrial brightener, wax, benzene, alcohol, paint thinner, mosquito repellent, aromatics, lubricant, detergent etc.)

◆ Disclaimer



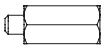



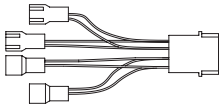
Zalman Tech Co., Ltd. is not responsible for any damages due to external causes, including but not limited to, improper use, problems with electrical power, accident, neglect, alteration, repair, improper installation, and improper testing.

2 Components

(1) Z-MACHINE GT900 Main Chassis



(2) Accessories

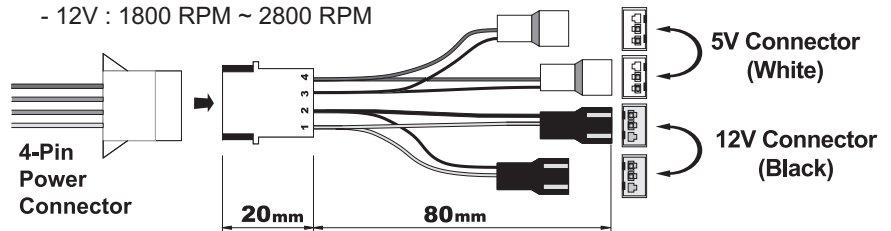
Diagram	Part Name	Specification	Qty	Function
	Allen Wrench	3mm (Silver)	1	For removing and reinstalling the Allen Bolts of the Right-F Plate during ODD installation
	Spare Allen Bolts	4 * 8 (Black)	2	Spare Allen Bolts for enclosure maintenance
	M/B Stand Off	φ6*12*M3*3 (Silver)	2	For motherboard (microATX) installation
	PSU Screws	PHM #6-32*10 (Black)	6	For PSU installation (For use with GT900 only)
	ODD, M/B Screws	PWHM 3*5 (Black)	22	For ODD & motherboard installation
	FDD Screws	PHM 3*8 (Black)	2	For FDD installation
	ZM-MC1 (Multi Connector)	White = 5V Black = 12V	1	For Fan RPM adjustment

(3) ZM-MC1 (Multi Connector)

[Installation]

- 1) ZM-MC1 is a dual voltage adaptor for adjusting the RPM of the front and panel fans. It is connected to the 4-Pin connector of the PSU as shown below.
- 2) Connect the enclosure fan to a connector with the voltage desired by the user. (120mm, 92mm FAN).
- 5V : 900 RPM ~ 1200 RPM

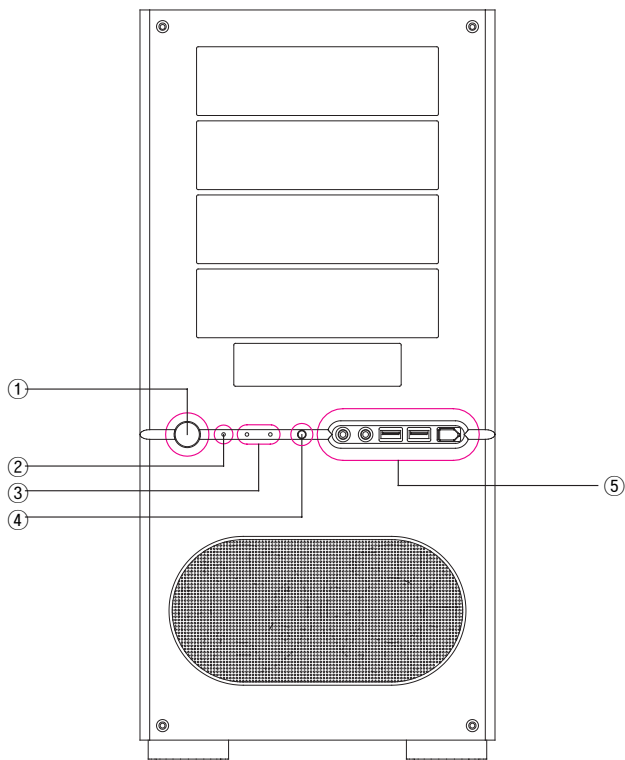
- 12V : 1800 RPM ~ 2800 RPM



3 Specifications

Enclosure Type	Tower
Enclosure Dimensions (D × W × H)	480mm X 220mm X 450mm (18.9" × 8.7" × 16.9")
Weight	12.4kg (27.2lb)
Material	Aluminum 5T
Motherboard Compatibility	Standard ATX / microATX
PSU Compatibility	Standard ATX / ATX12V
PCI/AGP Card Compatibility	Full Size
Drive Bays	3.5" Bay × 4 5.25" Bay × 4
Cooling Components	Front Vents: 92mm x 2 Rear Vents: 120mm x 1
Expansion Card Slots	7 Slots
Front I/O Ports	USB Port × 2 IEEE1394(FireWire) Port x 1 Headphones × 1 MIC × 1
Available Color	Black

4 Front Panel Buttons and I/O Ports

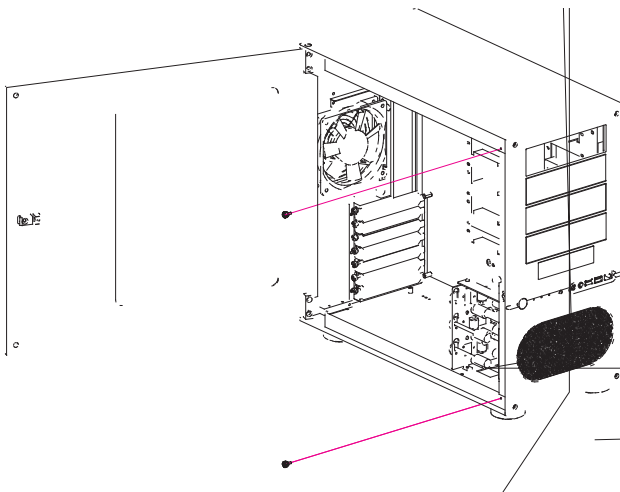


- ① System Power Button
- ② System Power LED
- ③ System HDD Power LEDs (1~2)
- ④ System Reset Button
- ⑤ Audio (Headphones, MIC), USB 2.0, IEEE1394 Port

5 Installation Guide

(1) Enclosure Disassembly

Unscrew the two Bolts (Bolt, FH M3x6) as shown in the diagram to open the Door.

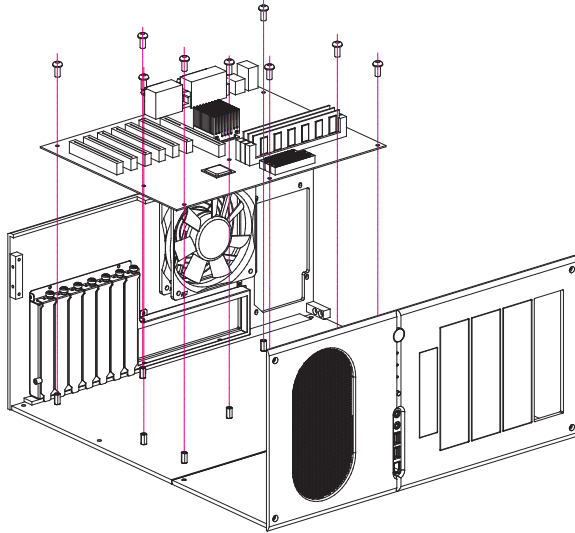


(2) Power Supply Installation

Place the PSU on the Power Bracket, and screw the four Bolts (Bolt, PHM #6-32*10 (Black)) from outside the enclosure.

(3) Motherboard Installation

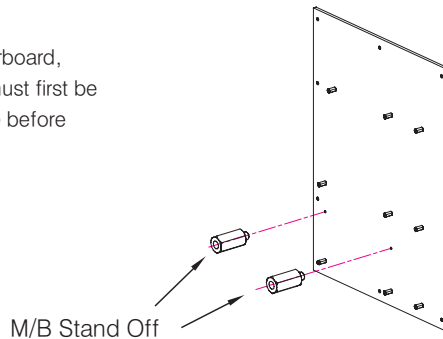
Install the motherboard onto the enclosure. Now install the computer components (CPU, VGA, RAM, etc.) onto the motherboard.



참고)

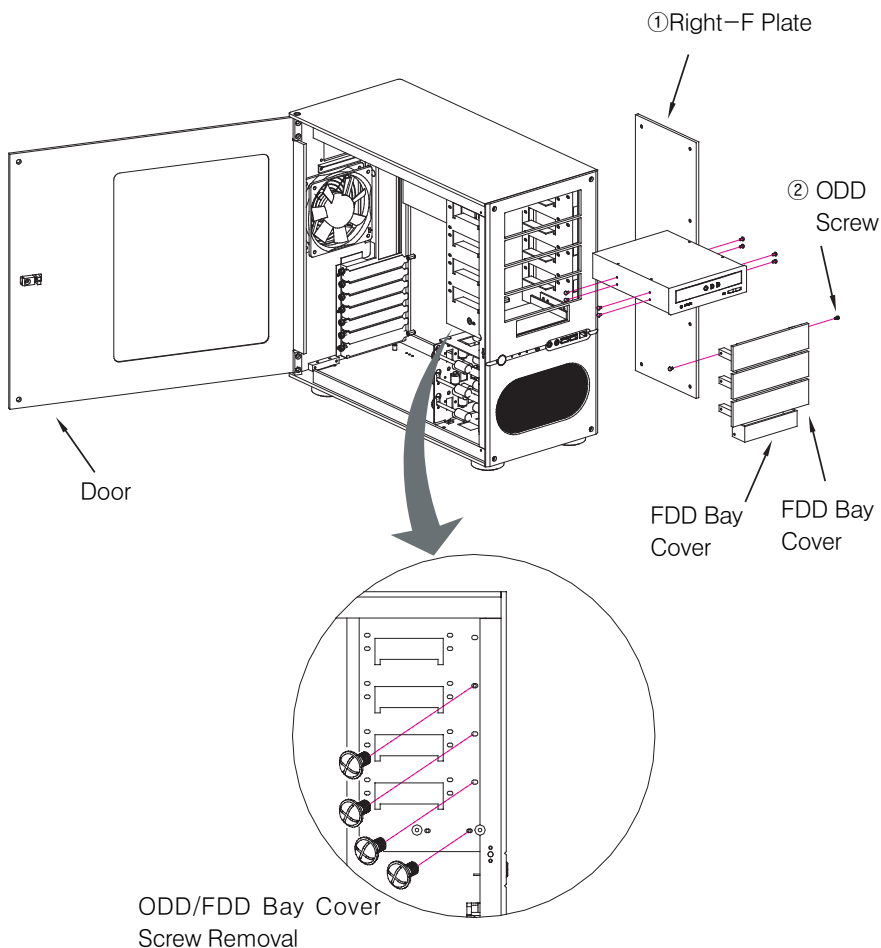
To install a microATX motherboard, first install the 2 enclosed microATX Stand Offs to align the height with the ATX Stand Offs.

To install a microATX motherboard, additional M/B Stand Offs must first be installed onto the Right Plate before installing the motherboard.



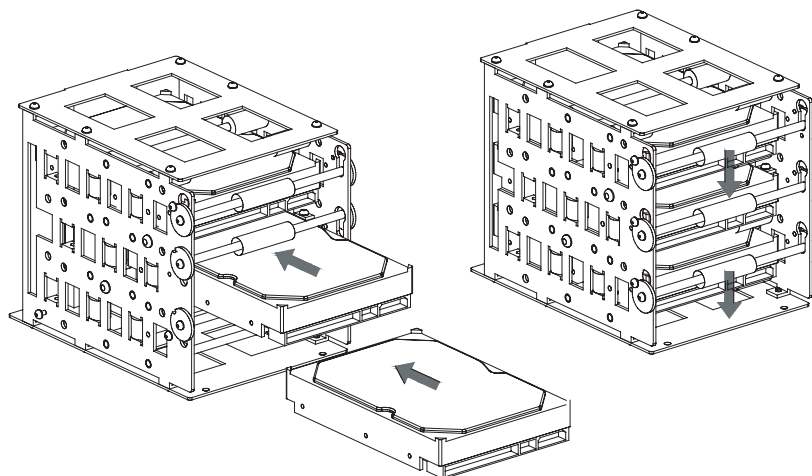
(4) 5.25" & 3.5" Drive Installation

- 1) Remove the Bay Covers of the 5.25" (ODD) and 3.5" (FDD) bays.
 - 2) Fix the ODD / FDD in place with the use of Fixing Bolts (M3x5) on either sides of the ODD / FDD.
- ※ How to remove the ODD / FDD Bay Cover To install the ODD or FDD on the 5.25" and 3.5" Bays, the corresponding FDD / ODD Bay Cover must first be removed.



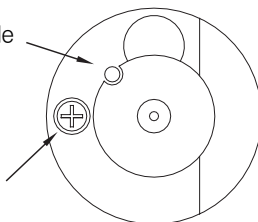
(5) Hard Disk Drive Installation

1) Basic Installation



HDD Lock Bar
Fixing Screw Hole

HDD Lock Bar
Fixing Screw

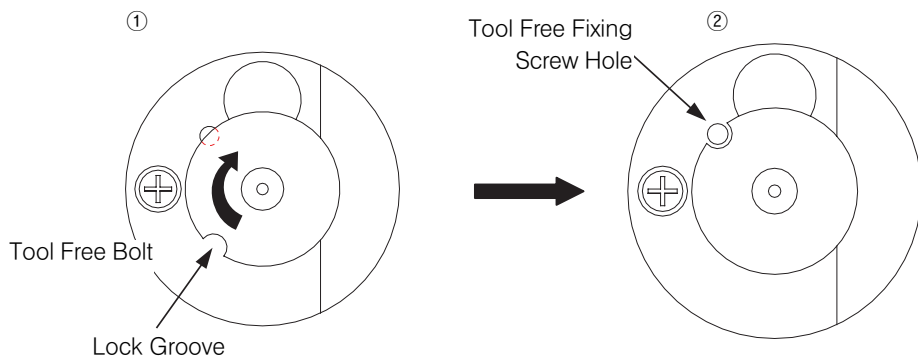


- ① Open (raise) the HDD Lock Bar of the HDD Chassis's Bay where the HDD will be installed.
- ② Slide in the HDD into the Bay and close (lower) the HDD Lock Bar behind the HDD.
- ③ To remove the HDD, open (roll up) the HDD Lock Bar above the HDD.

Note) Excessive pressure may damage the HDD Lock Bars. Please take cautionary measures during HDD installation and removal.

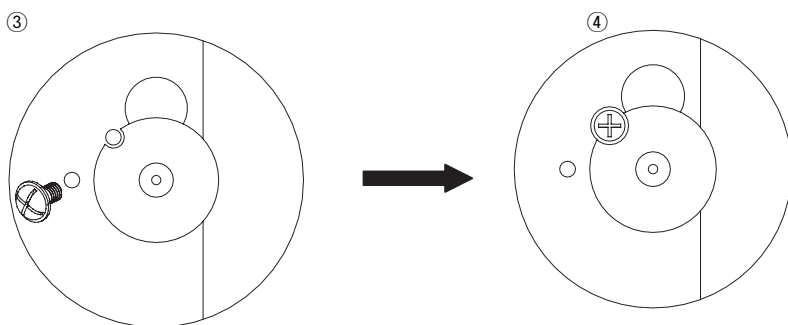
2) Locking Installation

Note) For moving the assembled enclosure, please fix the HDD Locking Device into place as shown on the diagrams.



Align the Lock Groove of the HDD Lock Bar with the Fixing Screw Hole.

※ Pressing the HDD slightly into the HDD Chassis with one hand, while rotating the HDD Lock Bar with the other, allows easy alignment of the Lock Groove and Fixing Screw Hole.

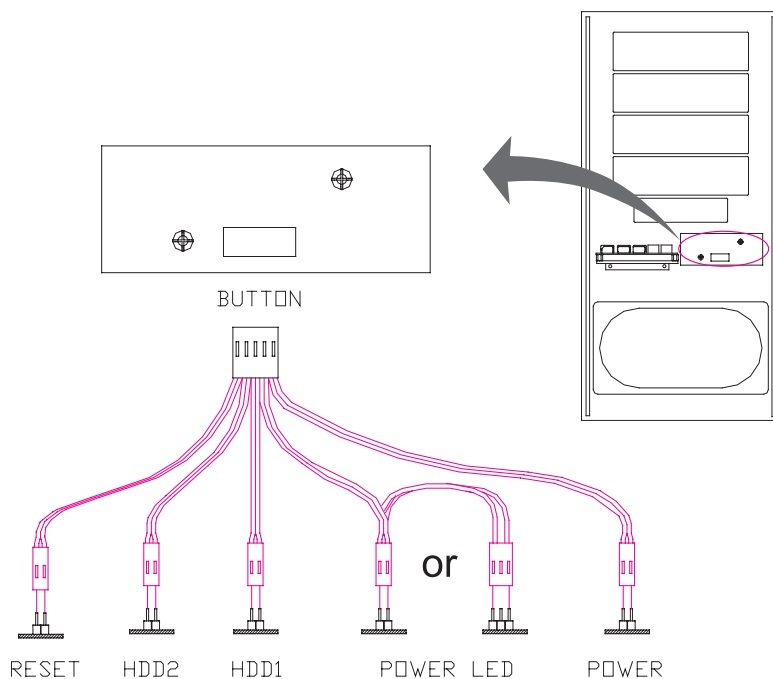


Unscrew the HDD Lock Bar's Fixing Screw from the HDD Chassis with a Phillips screwdriver.

Screw the Fixing Screw into the Fixing Screw Hole to lock the HDD Lock Bar into place.

(6) Cable Connection

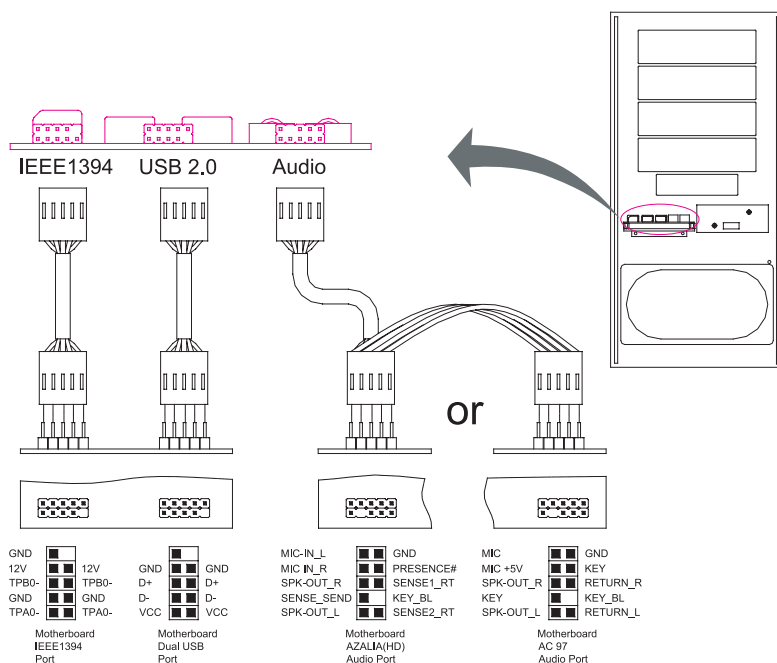
1) Button PCB Connection



※ Improper connection of the Power LED and HDD LED can lead to LED malfunction.

Please refer to the motherboard manual before making cable connections.

2) Front I/O Connections



Note)

※ Precautions for Cable Connections

- ▶ Please refer to the motherboard manual for connecting the USB 2.0, IEEE1394a, and audio connectors.
- ▶ Do not connect the USB2.0 connector to the IEEE1394a connector. It will cause serious damage to the product.
- ▶ Do not connect the IEEE1394a connector to the USB2.0 connector. It will cause serious damage to the product.
- ▶ Certain motherboards may have a different configuration for the IEEE1394a, USB2.0, and audio connectors from the one shown in the diagram above. Please refer to the motherboard manual.

