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291-MH137-01R7F



**USER'S  
MANUAL**

**AMP BOX MINI**

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# **ZOTAC AMP BOX MINI**

## **User's Manual**



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# Product specifications

## Product dimensions

- 183mm x 230mm x 99mm

## System requirements

- Thunderbolt 3 host system

## Operating system

- Windows 10

## USB ports

- Four USB 3.0 ports

## 40Gb/s Thunderbolt™ 3 support

- Four lanes of PCI Express Gen3
- Integrated USB3.1 Gen2 (10Gb/s) XHCI controller

## Expansion slot

- One PCIe x16 slot (supports PCIe x4 signal lane)
- Support NVMe compatible PCIe SSD Add-in-card

## Power supply

- 19V (230W) DC power supply

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## **Safety information**

Your ZOTAC AMP BOX MINI is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

### **Setting up your system**

- ❖ Read and follow all instructions in the documentation before you operate your system.
- ❖ Do not use this product near water or a heat source such as a radiator.
- ❖ Set up the system on a stable surface.
- ❖ Openings on the chassis are for ventilation. Do not block or cover these openings. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- ❖ Use this product in environments with ambient temperatures between 0°C and 35°C.

### **Care during use**

- ❖ Do not walk on the power cord or allow anything to rest on it.
- ❖ Do not spill water or any other liquids on your system.
- ❖ When the system is turned off, a small amount of electrical current still flows. Always unplug all power, modem, and network cables from the power outlets before cleaning the system.
- ❖ If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
  - The power cord or plug is damaged.
  - Liquid has been spilled onto the system.
  - The system does not function properly even if you follow the operating instructions.
  - The system was dropped or the cabinet is damaged.

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## Welcome

Congratulations on your purchase of the ZOTAC AMP BOX MINI. The following illustration displays the package contents of your new ZOTAC AMP BOX MINI. Please contact your retailer if any of the below items are damaged or missed.

### Package contents

- 1 x ZOTAC AMP BOX MINI
- 1 x 19V DC Power Adapter (230Watt)
- 1 x Power Cable
- 1 x 6pin External Power Cable
- 1 x 0.5M Thunderbolt 3 Cable
- 1 x User Manual & Quick Start Guide



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## Getting to know your ZOTAC AMP BOX MINI

### Front view



#### 1. Power LED

The power LED becomes red in standby mode, and turns green when booting.

#### 2. USB 3.0 ports

The USB 3.0 port supports the SuperSpeed USB 3.0 devices and is backwards compatible with USB 2.0/1.1 devices. Use this port for USB 3.0 devices for maximum performance with USB 3.0 compatible devices.

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## Rear view



### 1. Thunderbolt 3 port


The Thunderbolt 3 port is only for connecting to the Thunderbolt 3 Host.

### 2. Power input (DC19V)

The supplied power adapter converts AC power to DC power for use with this jack. Power supplied through this jack supplies power to the Box. To prevent damage to the Box, always use the supplied power adapter.

### 3. Power switch

Press this button for powering On or Off the system.

 The power adapter may become warm to hot when in use. Do not cover the adapter and keep it away from your body.

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## Installing hardware inside the ZOTAC AMP BOX MINI

Before installing hardware, please follow the instructions below to remove the cover of your ZOTAC AMP BOX MINI.

1. Remove the two rear thumb screws.



2. Gently lift up the cover and remove as shown below.



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## Installing a single-slot card

1. Remove the two thumb screws from the frame bracket.

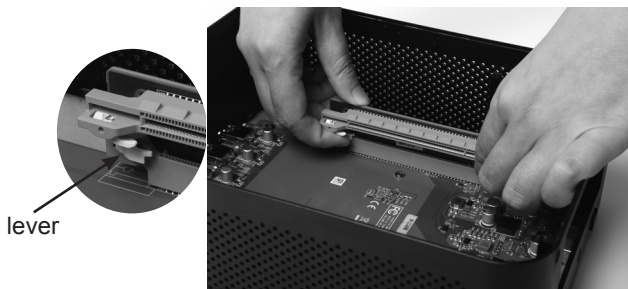


2. Gently lift up and remove the frame bracket.

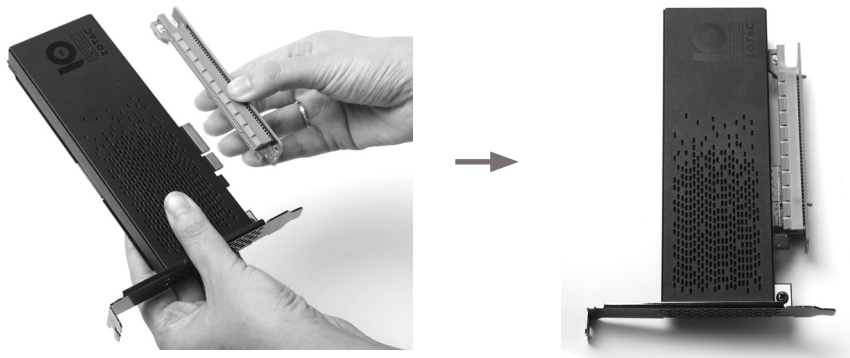


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3. Press the lever of riser card and remove the riser card from the PCIe slot.

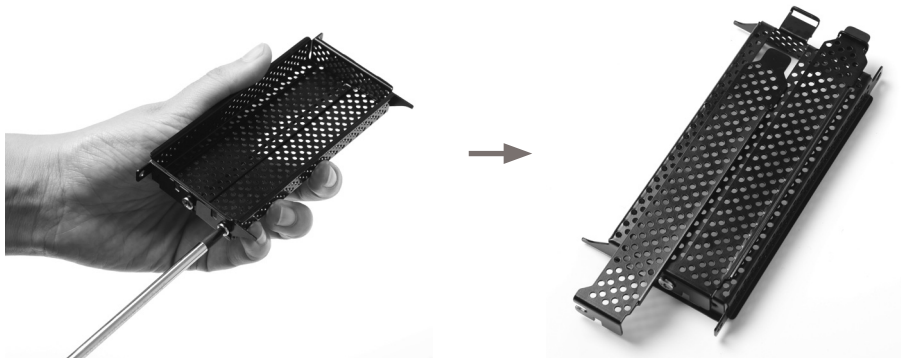


4. Install the riser card to your card (taking PCIe SSD as an example).

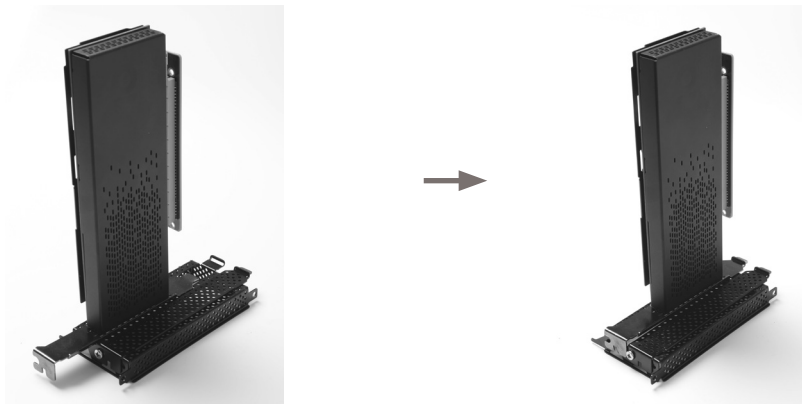


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5. Remove the lower screw and remove the lower single-slot bracket.



6. Install the single-slot card to the frame bracket as shown below.



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7. Install the screw.



8. Insert the frame bracket with single-slot card into the Box, and press the riser card into the PCIe slot.



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9. Install the thumb screws.



10. Reinstall the cover and the rear thumb screws.



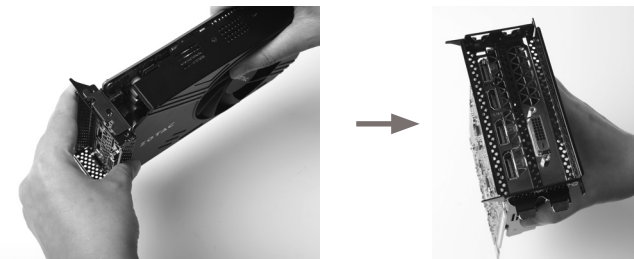
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## Installing a double-slot card

1. Follow the instructions on page 9-10 to remove the frame bracket and the riser slot.
2. Remove the two screws and brackets from the frame bracket.



3. Install the double-slot card to the frame bracket (taking a two slot Graphics card as an example).

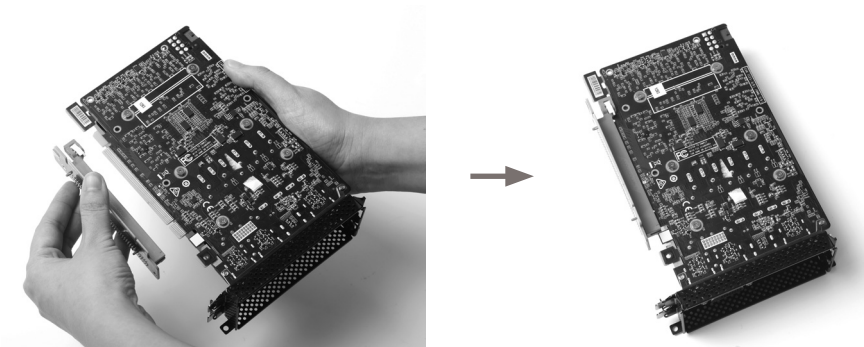


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4. Tighten and secure the Graphics card to the bracket with the screws provided.

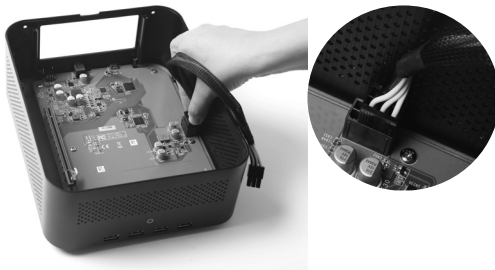


5. Install the riser card to your double-slot card.



- 
6. Connect one end of the provided 6-pin power cable to the power connector on the motherboard. (shown below)

Note: This step is only required if the installed add-on card requires an additional 6-pin power connector to operate.



7. Connect the other end of the 6-pin power cable to the add-on card.



- 
8. Insert the add-on card with frame bracket back into the box and slide the Riser card into the PCI-e slot.



9. Install the thumb screws to secure it.



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10. Reinstall the cover and the rear thumb screws.



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## Setting up your ZOTAC AMP BOX MINI

Please connect your peripherals before using your ZOTAC AMP BOX MINI.



### 1. Connecting to Thunderbolt 3 Host

Connect the Thunderbolt 3 port to Thunderbolt 3 Host with the Thunderbolt 3 cable.

### 2. Connecting the power adapter and turning on the ZOTAC AMP BOX MINI

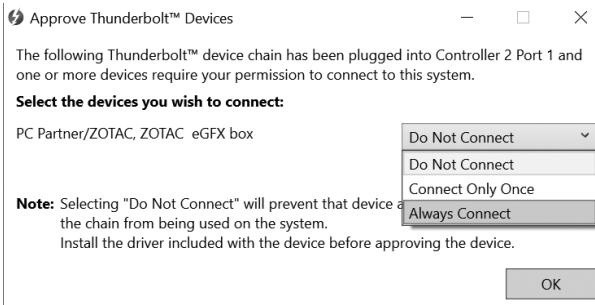
Connect the supplied AC adapter to the DC IN jack on the rear panel then switch on the power by pressing the power button.

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## Approving Thunderbolt™ Devices

When connecting the ZOTAC AMP BOX MINI to Thunderbolt Host for the first time, follow the below steps to approve Thunderbolt™ devices.

1. When the following dialog box appears, click and select “*Always Connect*”.



2. Click “OK” to complete installation.

