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USER'S MANUAL

ZOTAC
ZBOX
M SERIES MI574/MI554

M SERIES

ZOTAC ZBOX

User's Manual



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Every effort has been made to ensure that the contents of this manual are correct and up to date. However, the manufacturer makes no guarantee regarding the accuracy of its contents, and reserves the right to make changes without prior notice.

CAUTION:

Risk of explosion if the battery is replaced with an incorrect type. Batteries should be recycled where possible. Disposal of used batteries must be in accordance with local environmental regulations.

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Product specifications

❑ Microprocessor support

- ❖ Intel Core i7-9700 (8-core 3.0 GHz, up to 4.7 GHz) for ZBOX-MI574 series
- ❖ Intel Core i5-9400 (6-core 2.9 GHz, up to 4.1 GHz) for ZBOX-MI554 series

❑ Operating systems:

- ❖ Windows 10 64-bit Ready

❑ System Memory support

- ❖ Two 260-pin SO-DIMMs DDR4 up to 2666 Mbps (Up to 64 GB)

❑ USB Ports

- ❖ One USB 3.1 Type-C port, two USB 3.0 ports at front panel
- ❖ Four USB 3.0 ports at rear panel

❑ Onboard Serial ATA

- ❖ SATA 6.0 Gb/s transfer rates
- ❖ Supports one 2.5-inch SATA HDD or SSD (max 9.5mm height)

❑ Expansion slot

- ❖ One M.2 PCIe x4/SATA III SSD slot (22/80)
- ❖ One M.2 SATAIII SSD slot (22/42)

❑ Onboard Dual LAN

- ❖ Supports 10/100/1000 Mbps operation, IEEE 802.3

❑ WiFi/Bluetooth support

- ❖ 802.11ac (dual-band), n/g/b
- ❖ Bluetooth 5

❑ Onboard Audio

- ❖ Stereo analog audio output and Microphone input

❑ Onboard Graphics support

- ❖ Intel UHD Graphics 630
- ❖ DP1.2 (max resolution: 4096x2160 @60Hz)
- ❖ 2 x HDMI2.0 (max resolution: 3840x2160 @60Hz)

❑ Product Size

- ❖ 184.6mm x 184.6mm x 68.7mm

Safety information

Your ZOTAC ZBOX 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 operating 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 with the provided stand. Never use the system alone without the stand.
- ❖ 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.

Welcome

Congratulations on your purchase of the ZOTAC ZBOX. The following illustration displays the package contents of your new ZOTAC ZBOX. If any of the below items is damaged or missing, contact your retailer.

Package contents

- 1 x ZOTAC ZBOX
- 1 x VESA mount
- 1 x AC Adapter
- 1 x Power Cord
- 2 x Antenna
- 1 x Support DVD
- 1 x USB flash drive with OS drivers
- 1 x User Manual & Quick Start Guide
- 1 x Warranty Card



Getting to know your ZOTAC ZBOX

Front view



Refer to the diagram below to identify the components on the front of the ZBOX.

1. Power button

The power button turns the system ON and OFF.

2. USB 3.1 Type-C port

The type-C USB 3.1 port supports the SuperSpeed USB 3.1 devices. Use this port for USB 3.1 devices for maximum performance with USB 3.1 compatible devices.

3. Power LED

The power LED is always ON when power is on.

4. Memory card slot

The Memory card slot is compatible with SD/SDHC/SDXC cards used in devices like digital cameras, MP3 players, mobile phones and PDAs.

5. USB 3.0 ports

The USB 3.0 port supports the SuperSpeed USB 3.0 devices. Use this port for USB 3.0 devices for maximum performance with USB 3.0 compatible devices.

6. Microphone jack

The microphone jack is designed to connect a microphone for video conferencing, voice narrations or simple audio recordings.

7. Headphone/Audio Out jack

The stereo headphone jack (3.5mm) is used to connect the system's audio output signal to amplified speakers or headphones.

Rear view



Refer to the diagram below to identify the components on the back of the system.

1. Power input (DC19.5V)

The supplied power adapter converts AC power to DC power for use with this power port. To prevent damage to the mini-PC, always use the supplied power adapter.

2. HDMI port

The HDMI (High Definition Multimedia Interface) port supports a UHD device such as an LCD TV or monitor to allow viewing on a larger external display.

3. DisplayPort

DisplayPort supports both external (box-to-box) and internal (laptop LCD panel) display connections.

4. USB 3.0 ports


The USB 3.0 port supports the SuperSpeed USB 3.0 devices. Use this port for USB 3.0 devices for maximum performance with USB 3.0 compatible devices.

5. Ethernet port

The eight-pin RJ-45 LAN port supports standard Ethernet cable for connections to local area networks (LAN) with speeds of 10/100/1000Mbps.

6. Wireless antenna connector

The Wireless antenna connector supports the bundled Wireless antenna.

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

Installing hardware inside the ZOTAC ZBOX

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

1. Press the two buttons to release the cover.

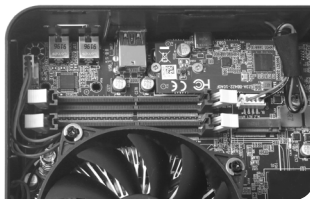


2. Gently remove the cover as shown below.

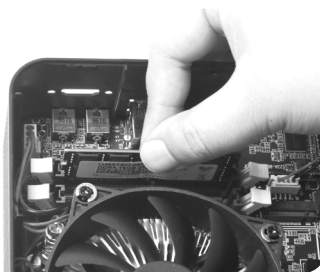


Installing a memory module

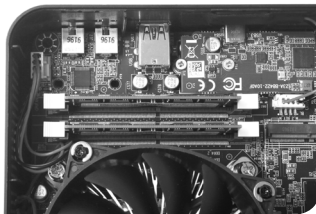
1. Locate the SO-DIMM memory slots.
2. Gently push down on the memory retainer clips to the open position.



3. Insert a SO-DIMM memory module into the slot.



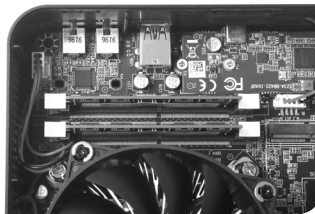
4. Gently push the SO-DIMM memory module down into the slot until the retainer clips lock into place.



Note: This ZOTAC ZBOX accommodates two DDR4 SO-DIMM memory modules. You must install at least one module for the system to function. Certain models may have memory pre-installed.

Removing a memory module

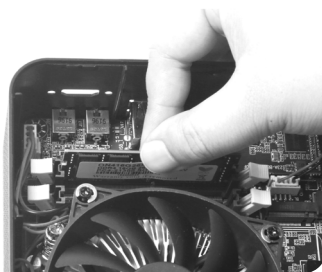
1. Locate the SO-DIMM memory slots.



2. Gently push down on the memory retainer clips to the open position.



3. Lift the SO-DIMM memory module(s) up and remove.



4. Gently push the memory retainer clips inward to secure them in place.

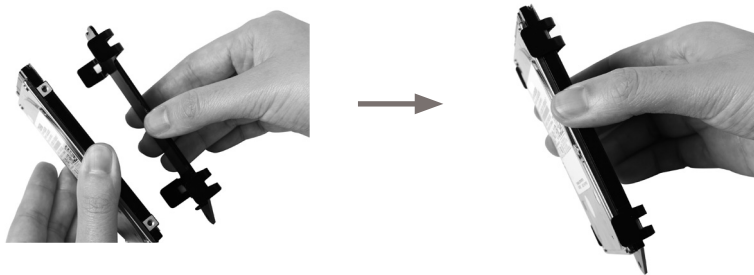


Installing a hard disk drive

1. Locate the 2.5-inch SATA hard disk drive and the hard disk drive bracket.



2. Install the hard drive to the hard disk drive bracket.



3. Insert the hard drive into the slot at a 45 degree angle and gently slide into the connector.

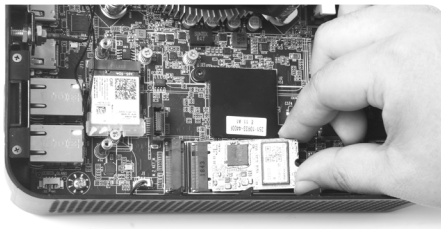


4. Secure the installed drive with a thumb screw.

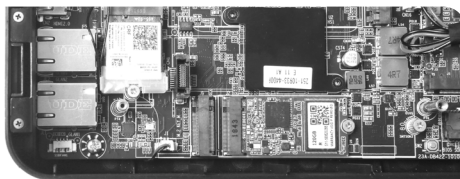


Installing M.2 SATAIII SSD module (22/42)

1. Locate the M.2 SSD slot and insert an M.2 SSD module into the slot at a 45 degree angle.

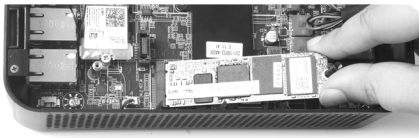


2. Gently press down on the M.2 SSD module, and install the screw.

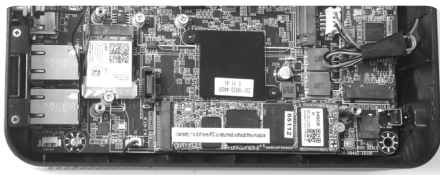


Installing M.2 PCIe x4/SATA III SSD slot (22/80)

1. Insert M.2 SSD module into the slot at a 45 degree angle.



2. Gently press down on the M.2 SSD module, and install the screw.



Setting up your ZOTAC ZBOX

Please connect your peripherals before using your ZOTAC ZBOX.



1. Connecting to an HDMI display

Connect one end of an HDMI cable to an HDTV or monitor, and the other end to the HDMI port on the system rear panel.

2. Connecting a DisplayPort display

Connect the DisplayPort connector to the DP port of the monitor or display.

3. Connecting to USB 3.0 devices

Connect USB 3.0 devices such as external hard disk drives, SSDs and flash drives to the USB 3.0 port on the system rear panel.

4. Connecting to a network

Connect one end of a network cable to the LAN port on the system rear panel and the other end to a network router, hub or switch.

5. Connecting the Wireless antenna

Connect the Wireless antenna to the Wireless antenna connector.

6. Connecting the power adapter and turning on the ZBOX

Connect the supplied AC adapter to the DC IN jack on the system rear panel and then press the power switch on the front panel to turn on the system.

☞ When your ZOTAC ZBOX is not in use, unplug the power adapter or switch off the AC outlet to conserve power.

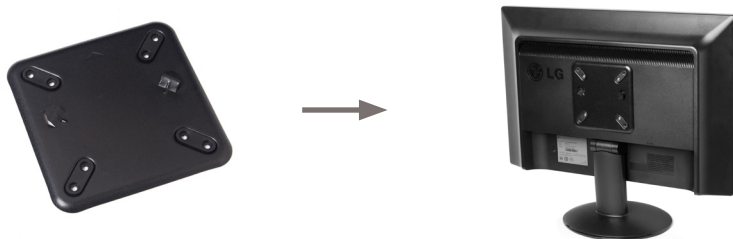
Positioning the ZOTAC ZBOX

- Do not position the ZOTAC ZBOX where the ventilation holes are covered. To guarantee proper use, leave 4 inches (10 cm) of spacing in front of the ventilation holes.
- ZOTAC ZBOX mini-PC systems provide ample connectivity in a tiny form factor, please choose connectors and cables in appropriate sizes to avoid interference.

Mounting the ZOTAC ZBOX to an LCD monitor

You can attach your ZOTAC ZBOX to the back of a VESA75/100 compliant monitor.

1. Secure the VESA mount to the LCD monitor using 4 screws.
Disclaimer: ZOTAC cannot be held liable for damages resulting from an improper installation.



2. Align the ZOTAC ZBOX mounting holes to the VESA mount attachment pegs. Attach the ZOTAC ZBOX to the VESA mount and gently press down to secure the ZBOX to the mount.



3. Connect the ZOTAC ZBOX to your LCD monitor with an HDMI/DP cable.



Installing drivers and software

Installing an operating system

The ZOTAC ZBOX does not ship with an operating system preinstalled. The user must install the operating system before the ZOTAC ZBOX can be used. The following operating systems are supported:

- Windows 10 64-bit

Follow the instructions below to install an operating system:

1. Attach external DVD drive via USB 3.0 ports.
2. Insert disk for operating system (Windows or Linux).
3. Wait for the ZOTAC ZBOX to boot from the disk.
4. Follow the onscreen directions to install the operating system.
5. Install system drivers to gain full functionality of the ZOTAC ZBOX hardware and features.

Installing system drivers

Before you can use the full features of the ZOTAC ZBOX, the system drivers must be installed. The following types of operating systems are supported by the ZOTAC ZBOX driver DVD and USB flash drive:

- Windows 10 64-bit

Follow the instructions below to install the system drivers:

1. Insert the ZOTAC ZBOX driver DVD or driver USB flash drive. If autorun is enabled, the driver installation main menu will show up automatically. If autorun is disabled, you may click the file Launch.EXE to bring up the driver installation main menu.
2. The following drivers are available on the DVD and USB flash drive:
 - Intel Chipset Driver



- HDA Sound Driver
- Intel Graphics Driver
- Realtek Ethernet PCI-E Driver
- Wireless Network Driver
- Intel Management Engine
- Bluetooth Driver
- MassStorage Driver

- Each driver must be installed individually to ensure proper operation of the ZOTAC ZBOX.
3. Select the driver you want to install. The driver installer should launch.
 4. Follow the onscreen instructions to install the drivers.
 5. Restart the system.

Using your ZOTAC ZBOX

Configuring a wireless connection

Please follow the instructions below to connect to a wireless network:

1. Double-click the wireless network icon (pic) in the notification area.
2. Select the wireless network you want to connect to from the list and click Connect.
3. After connection is established, you will see “Connected.”

Note 1: For security concerns, Do NOT connect to an unsecured network, otherwise, the transmitted information without encryption might be visible to others.

Note 2: Enter the network security key if necessary.



Configuring audio output

Follow the steps below to enable audio output when connecting the ZOTAC ZBOX to a TV or receiver via DP/HDMI adapter.

1. Access the Sound settings via the system Control Panel.
2. Under Playback devices, click the display device that corresponds with your audio compatible display.
3. Click the “Set Default” button in the lower right hand corner.
4. Click “OK” to exit the setup.

