Beelink EQR5

Beelink EQR5 Mini PC User Manual

Model: EQR5

INTRODUCTION

This user manual provides comprehensive instructions for the Beelink EQR5 Mini PC. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using the product.

SAFETY INFORMATION

Observe the following safety guidelines to prevent damage to the device or injury to yourself:

- Use only the power adapter supplied with the product.
- Do not block the air inlet and outlet vents to ensure proper cooling.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Contact technical support for assistance.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Beelink EQR5 5500U Mini PC
- 1 x HDMI Cable (100cm)
- 1 x AC Power Cable (150cm)
- 1 x User Manual
- Mounting Bracket and Screws (for VESA mounting)

Rich Interfaces
Wide range of interfaces meet all kinds of needs.

CLR CMOS

Power Button

USB3 10Gbps

USB–C 10Gbps

Power Indicator Light
(White light indicates
the power is on)

3.5mm Audio Jack

USB

USB-C

USB

USB

HDMI

USB

LAN

LAN

USB2.0 480Mbps
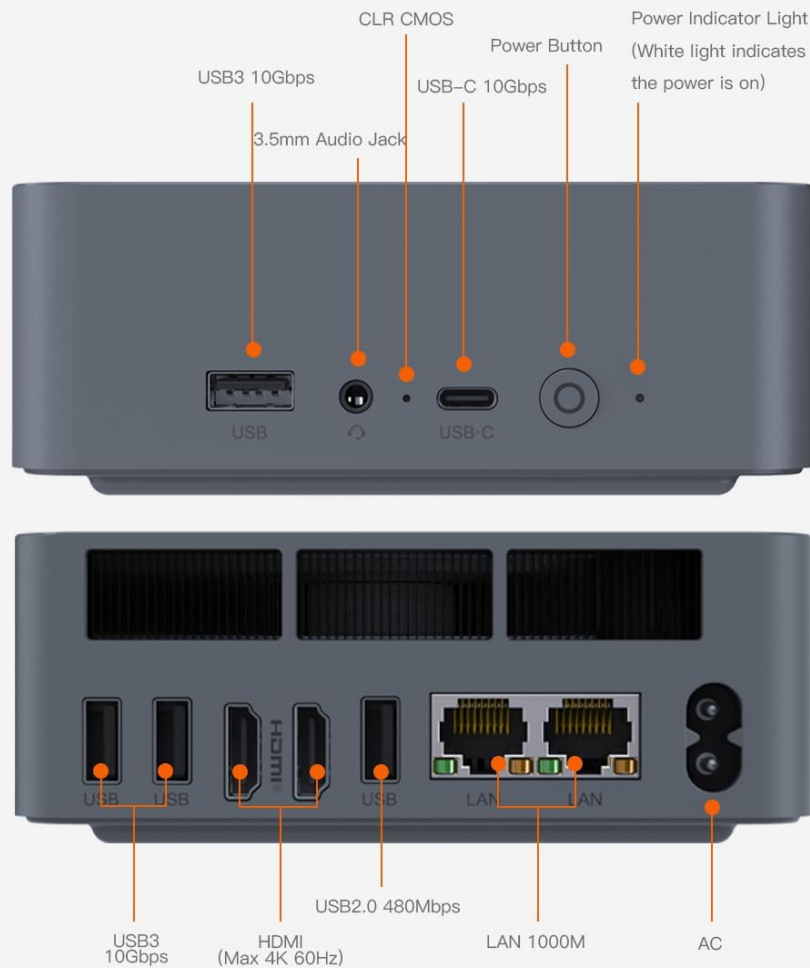
USB3
10Gbps

HDMI
(Max 4K 60Hz)

LAN 1000M

AC

Image: Beelink EQR5 Mini PC with its power adapter, HDMI cable, and mounting accessories.

PRODUCT OVERVIEW

The Beelink EQR5 Mini PC is a compact and powerful computer designed for various applications, from office work to home entertainment. It features an AMD Ryzen 5 5500U processor and AMD Radeon Graphics.

Front Panel

Image: Front and rear panel interfaces of the Beelink EQR5 Mini PC.

- **USB 3.2 (10Gbps)**: High-speed data transfer ports.
- **USB-C (10Gbps)**: Data transfer port.
- **3.5mm Audio Jack**: For headphones or speakers.
- **Power Button**: To turn the device on/off.
- **Power Indicator Light**: Indicates power status (white light when on).
- **CLR CMOS**: Button to clear CMOS settings (use with caution).

Rear Panel

- **LAN (1000M) x 2**: Dual Gigabit Ethernet ports for network connection.
- **HDMI (Max 4K 60Hz) x 2**: For connecting displays.
- **USB 3.2 (10Gbps) x 1**: High-speed data transfer port.
- **USB 2.0 (480Mbps) x 1**: Standard USB port.
- **AC Power Input**: Connect the AC power cable here.

Image: Close-up of the dual Gigabit Ethernet ports on the rear of the Mini PC.

SETUP

1. **Connect Peripherals**: Connect your monitor(s) to the HDMI ports. Connect your keyboard and mouse to the USB ports.
2. **Network Connection**:

- For wired connection, connect an Ethernet cable to one of the LAN ports.
- For wireless connection, the device supports WiFi 6. Once powered on, you can configure Wi-Fi settings within the operating system.

3. **Power Connection**: Connect the AC power cable to the AC power input on the rear panel, then plug the other end into a power outlet.
4. **Power On**: Press the power button on the front panel. The power indicator light will illuminate.
5. **Initial Setup**: Follow the on-screen instructions to complete the operating system setup.

Image: Beelink EQR5 Mini PC connected to dual monitors, demonstrating a typical setup.

OPERATING INSTRUCTIONS

Dual Display Setup

The Beelink EQR5 supports dual 4K displays via its two HDMI ports. Connect two monitors to the HDMI ports. The operating system will automatically detect both displays. You can configure display settings (extend, duplicate, etc.) within your operating system's display settings.

Network and Bluetooth Connectivity

- **WiFi 6 (802.11ax)**: Provides fast and stable wireless internet connection. Configure through the operating system's network settings.
- **Bluetooth 5.2**: For connecting wireless peripherals such as keyboards, mice, and headsets. Pair devices through the operating system's Bluetooth settings.
- **Dual LAN (1000M)**: Offers two Gigabit Ethernet ports for robust wired network connections, ideal for server applications or separating network traffic.

Advanced Features

- **Wake On LAN (WOL)**: Allows the computer to be woken up remotely over a network connection.
- **PXE Boot**: Enables booting the computer from a network server.
- **RTC Wake**: Allows scheduling the computer to power on at a specific time.
- **Auto Power On**: Configures the computer to automatically power on when power is supplied. For detailed instructions on enabling Auto Power On, please contact Beelink technical support with the barcode on the bottom of your device.

EXPANSION OPTIONS

The Beelink EQR5 Mini PC offers flexible expansion capabilities:

- **RAM Upgrade**: The device comes with 16GB DDR4-3200MHz RAM and has two available memory slots, supporting an upgrade up to a maximum of 64GB.
- **SSD Storage**: It includes a 500GB M.2 PCIe 3.0x4 2280 SSD. The system supports dual-channel SSDs up to a maximum of 8TB (additional SSD not included).

Image: Internal components showing RAM modules and M.2 SSD slot.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your Mini PC:

- **Cooling System (MSC2.0)**: The MSC2.0 cooling system is designed for efficient heat dissipation. Ensure the air vents are not obstructed.
- **Dust Prevention**: The bottom of the mini PC features a metal mesh filter to prevent dust accumulation. Regularly clean the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners directly on the device.
- **Software Updates**: Keep your operating system and drivers updated to ensure optimal performance and security.

Image: Diagram of the MSC2.0 cooling system, showing air intake and heat dissipation.

Rich interface design
Connection solutions for your needs.

1. USB 3 10Gbps
2. HDMI(Max 4K 60Hz)
3. USB 2.0 480Mbps
4. LAN 1000M
5. AC

6. USB 3 10Gbps
7. 3.5mm Audio Jack
8. CLR CMOS
9. USB-C 10Gbps(for data transfer)
10. Power Button
11. Power Indicator Light

Image: Exploded view of the Beelink EQR5 Mini PC, detailing its internal structure including the fan, heat fins, motherboard, and SSD.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Device does not turn on.	Power cable not connected properly; Power outlet issue.	Ensure AC cable is securely connected to the device and a working power outlet. Try a different outlet.
No display on monitor.	HDMI cable loose or faulty; Monitor input not selected correctly.	Check HDMI cable connections. Ensure monitor is set to the correct input source. Try a different HDMI cable or monitor.
Slow performance.	Too many applications running; Insufficient RAM; Overheating.	Close unnecessary applications. Consider upgrading RAM. Ensure proper ventilation and clean dust from vents.
Wi-Fi or Bluetooth connectivity issues.	Driver issues; Interference; Device out of range.	Update Wi-Fi/Bluetooth drivers. Move device closer to router/Bluetooth device. Check for interference from other electronics.

SPECIFICATIONS

Image: Detailed product specifications for the Beelink EQR5 Mini PC.

Feature	Detail
Processor	AMD Ryzen 5 5500U (6C/12T, up to 4.0 GHz)
Graphics	AMD Radeon Graphics (7core, 1800MHz)
RAM	16GB DDR4-3200MHz (Upgradable to 64GB)
Storage	500GB M.2 PCIe 3.0x4 2280 SSD (Supports dual-channel up to 8TB)
Display Output	2 x HDMI (Supports 4K Dual Display)
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2
Wired Connectivity	2 x LAN (1000M)
USB Ports	3 x USB 3.2, 1 x USB 2.0, 1 x Type-C (data)
Audio	3.5mm Audio Jack
Cooling System	MSC2.0
Operating System	OS (Pre-installed)
Dimensions	126 x 126 x 44.2mm (Without Rubber Feet)
Weight	Approximately 2.18 pounds
Additional Functions	Wake On LAN, PXE Boot, RTC Wake, Auto Power On

WARRANTY AND SUPPORT

Beelink provides lifetime technical support and 7 days/24 hours service for this product. All products are FCC, CE, and ROSH certified.

For technical assistance, troubleshooting, or inquiries regarding advanced features like Auto Power On, please contact Beelink customer support. You may be asked to provide the barcode located on the bottom of your device for specific tutorials or support.

For more information, visit the official Beelink website or refer to the contact details provided in your product packaging.