

Beelink EQR5 5650U

Beelink EQR5 5650U Mini PC Instruction Manual

Model: EQR5 5650U

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient use of your Beelink EQR5 5650U Mini PC. Please read this manual thoroughly before operating the device and keep it for future reference. This mini PC is designed for a wide range of applications, including office tasks, multimedia consumption, design work, virtualization, and light gaming.

2. PRODUCT OVERVIEW

Key Features

- **Processor:** AMD Ryzen 5 Pro 5650U (6 Cores/12 Threads, up to 4.2GHz)
- **Graphics:** Integrated AMD Radeon Graphics (7 Cores, 1800MHz) with 4K@60Hz dual display support
- **Memory:** 16GB DDR4 3200MHz RAM (2x8GB, expandable up to 64GB via dual SO-DIMM slots)
- **Storage:** 500GB M.2 2280 NVMe SSD (expandable up to 4TB via dual M.2 2280 PCIe3.0x4 SSD slots)
- **Connectivity:** WiFi 6 (802.11ax), Bluetooth 5.2, Dual Gigabit Ethernet (RJ45)
- **Cooling System:** MSC2.0 efficient cooling system for quiet operation (approx. 32dB)
- **Additional Features:** Auto Power On, Wake-on-LAN (WOL)

Ports and Interfaces

The Beelink EQR5 5650U Mini PC offers a comprehensive set of ports for versatile connectivity:



Figure 2.1: Front and Rear Panel Interfaces

- **Front Panel:**

- 1 x USB-C (10Gbps)
- 3 x USB 3 (10Gbps)
- 1 x 3.5mm Audio Jack
- Power Button with Indicator Light
- CLR CMOS Button

- **Rear Panel:**

- 2 x HDMI (Max 4K@60Hz)
- 1 x USB 2.0 (480Mbps)
- 2 x LAN (Gigabit Ethernet)
- AC Power Input

3. SETUP INSTRUCTIONS

Package Contents

Before starting, ensure all items are present in the box:

- Beelink EQR5 5650U Mini PC
- Power Adapter and AC Cable
- HDMI Cable
- User Manual (this document)

Connecting Your Mini PC

1. **Connect to a Display:** Use the provided HDMI cable to connect the mini PC to your monitor or TV. The device supports dual displays via its two HDMI ports.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse to the available USB ports.
3. **Network Connection:** For a wired connection, connect an Ethernet cable to one of the LAN ports. For wireless, ensure your WiFi network is available.
4. **Power Connection:** Connect the AC power adapter to the mini PC's power input, then plug the power adapter into a wall outlet.

Initial Boot-Up

Press the power button on the front panel. The power indicator light will illuminate. The system will begin to boot. The mini PC typically comes with DOS pre-installed, allowing users to install their preferred operating system, such as Windows or Linux.

4. OPERATING INSTRUCTIONS

Power On/Off

- **Power On:** Press the power button once.
- **Power Off:** For a normal shutdown, use the operating system's shutdown function. For a forced shutdown, press and hold the power button for 5-7 seconds.

Dual Display Setup

The mini PC supports connecting two monitors simultaneously via its dual HDMI ports. Once both monitors are connected, you can configure display settings within your operating system to extend or duplicate your desktop.

Wake-on-LAN (WOL) and Auto Power On

These features can be enabled in the BIOS settings. WOL allows you to remotely power on the mini PC over a network. Auto Power On allows the PC to automatically power on after a power outage or at a scheduled time.

5. MAINTENANCE

Cleaning

To maintain optimal performance, regularly clean the exterior of the mini PC with a soft, dry cloth. Ensure the ventilation openings are free from dust and debris. Do not use liquid cleaners or sprays directly on the device.

Memory and Storage Upgrades

The Beelink EQR5 5650U Mini PC allows for memory and storage upgrades:



Figure 5.1: Internal Components (RAM and SSD)

- **RAM:** The device has two SO-DIMM DDR4 slots, supporting up to 64GB of 3200MHz DDR4 RAM.
- **SSD:** It features two M.2 2280 PCIe3.0x4 SSD slots, supporting up to 4TB of NVMe SSD storage.

For upgrades, carefully open the chassis, ensuring the device is powered off and unplugged. Consult a professional if you are unsure about the upgrade process.

Cooling System

The MSC2.0 cooling system is designed for efficient heat dissipation and quiet operation. Ensure proper airflow around the device and avoid blocking the ventilation holes.

8GB/16GB DDR4 3200MHz

64GB デュアル SO-DIMM メモリ スロット、
最大 64GB



500GB シングル M.2 PCIe 3.0 X4

デュアル SSD ストレージ、最大 8TB



Figure 5.2: MSC2.0 Cooling System

6. TROUBLESHOOTING

If you encounter issues with your Beelink EQR5 5650U Mini PC, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power / Device does not turn on	Power cable not connected properly; Faulty power adapter; Power outlet issue.	Check power cable connections. Try a different power outlet. Ensure the power adapter is functioning.
No display output via HDMI	HDMI cable loose or faulty; Incorrect input selected on monitor; Display driver issue; PC not fully booted.	Ensure HDMI cable is securely connected to both the PC and monitor. Try a different HDMI cable. Select the correct input source on your monitor. Restart the PC. If the issue persists, try connecting to a different display or using the CLR CMOS button.
System is slow or unresponsive	Too many applications running; Insufficient RAM; Overheating; Malware.	Close unnecessary applications. Check system resource usage. Ensure proper ventilation. Scan for viruses/malware. Consider upgrading RAM or SSD if performance issues are persistent.
Wi-Fi or Bluetooth not working	Drivers not installed or corrupted; Wireless module disabled; Interference.	Check device manager for driver status. Ensure Wi-Fi/Bluetooth is enabled in OS settings. Restart the PC. Update wireless drivers.
Overheating	Blocked ventilation; Excessive workload; Dust accumulation.	Ensure the PC has adequate airflow. Clean dust from vents. Reduce heavy workload if possible.

If the problem persists after attempting these solutions, please contact Beelink customer support.

7. SPECIFICATIONS

Component	Detail
Model	EQR5 5650U
Processor	AMD Ryzen 5 Pro 5650U (6 Cores, 12 Threads, Max 4.2 GHz)
Graphics	AMD Radeon Graphics (7 Cores, 1800MHz)
RAM	16GB DDR4 3200MHz (2x8GB), Max 64GB
Storage	500GB M.2 2280 NVMe SSD, Max 4TB
Operating System	DOS (User-installable OS)
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2
Wired Connectivity	2 x Gigabit Ethernet (RJ45)
Video Output	2 x HDMI (Max 4K@60Hz)
USB Ports	1 x USB-C (10Gbps), 3 x USB 3 (10Gbps), 1 x USB 2.0 (480Mbps)
Audio	1 x 3.5mm Audio Jack
Dimensions	126 x 126 x 44.2mm (without rubber feet)

Component	Detail
Cooling Method	Air Cooling (MSC2.0)
Additional Functions	Auto Power On, WOL (Wake-on-LAN)

8. WARRANTY AND SUPPORT

Beelink is committed to providing high-quality products and excellent customer service.

- **Product Certification:** All Beelink mini PCs are TELEC certified and undergo strict testing before shipment.
- **Warranty:** Your Beelink EQR5 5650U Mini PC comes with a 1-year warranty from the date of purchase.
- **Technical Support:** Lifetime technical support is provided for your product.
- **Customer Service:** We offer 24-hour customer service. If you have any questions or require assistance, please do not hesitate to contact us.

For support, please refer to the contact information provided with your purchase or visit the official Beelink website.