**BMAX B4 Turbo**

# BMAX B4 Turbo Mini PC User Manual

Model: B4 Turbo (G3A2)_MINI | Brand: BMAX

## 1. INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, and maintenance of your BMAX B4 Turbo Mini PC. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

## 2. SAFETY INFORMATION

To ensure safe operation and prolong the life of your Mini PC, please observe the following safety guidelines:

- Use only the original power adapter provided with the device.
- Do not expose the device to water, moisture, or extreme temperatures.
- Ensure adequate ventilation around the device. Do not block ventilation openings.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or repair the device yourself. Contact qualified service personnel for assistance.
- Keep the device away from strong magnetic fields.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- BMAX B4 Turbo Mini PC x 1
- Power Adapter (12V2.0A) x 1
- HDMI Cable x 1
- Wall Mount x 1
- User Guide x 1 (This document)
- Safety Document x 1

## 4. PRODUCT OVERVIEW

The BMAX B4 Turbo Mini PC is a compact and powerful computing solution. Below is an illustration of the device and a description of its various ports and components.



**Figure 4.1:** Front and side view of the BMAX B4 Turbo Mini PC, highlighting its compact design and ventilation grilles. The front panel features various ports for connectivity.

## 4.1 Front Panel

- **Power Button:** Press to turn the device on or off.
- **USB 3.0 Ports (x2):** For connecting high-speed USB devices.
- **3.5mm Headphone Jack:** For audio output to headphones or speakers.
- **Power Indicator LED:** Illuminates when the device is powered on.

## 4.2 Rear Panel

- **Power Input (DC IN):** Connect the provided power adapter here.
- **HDMI 2.1 Ports (x2):** For connecting to displays, supporting up to 4K Ultra HD resolution.
- **USB 2.0 Ports (x2):** For connecting standard USB devices.
- **RJ45 Gigabit Ethernet Port (x1):** For wired network connection.
- **Type-C Port (Full Features) (x1):** Supports data transfer, video output (4K Ultra HD), and power delivery.

## 5. SETUP

Follow these steps to set up your BMAX B4 Turbo Mini PC:

1. **Connect to Display:** Connect one end of the HDMI cable to an HDMI port on the Mini PC and the other end to an HDMI input on your monitor or TV. You can connect up to three displays using the two HDMI ports and the full-featured Type-C port.

2. **Connect Peripherals:** Connect your USB keyboard and mouse to the available USB ports (USB 3.0 or USB 2.0).

3. **Connect to Network (Optional):**
   - **Wired:** Connect an Ethernet cable from your router or modem to the RJ45 port on the Mini PC.
   - **Wireless:** The Mini PC supports Wi-Fi 5. You can configure Wi-Fi after the initial boot into the operating system.

4. **Connect Power:** Plug the power adapter into the DC IN port on the Mini PC, then plug the power adapter into a wall outlet.

5. **Power On:** Press the Power Button on the front panel. The power indicator LED will illuminate, and the system will begin to boot.

6. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Pro initial setup, including language, region, network connection, and user account creation.

## 6. OPERATING

### 6.1 Basic Operation

- **Power On/Off:** Press the power button to turn on. To turn off, use the "Shut down" option in the Windows Start menu or press and hold the power button for 5 seconds for a forced shutdown (not recommended for regular use).
- **Restart:** Use the "Restart" option in the Windows Start menu.
- **Sleep Mode:** Use the "Sleep" option in the Windows Start menu or briefly press the power button.

### 6.2 Multi-Display Setup

The BMAX B4 Turbo supports up to three displays simultaneously, providing enhanced productivity. Connect your displays to the two HDMI 2.1 ports and the full-featured Type-C port. Once connected, Windows will automatically detect the displays. You can configure display settings (extend, duplicate, or show only on one) via *Settings > System > Display*.

### 6.3 Network Connectivity

- **Wi-Fi:** To connect to a wireless network, click the Wi-Fi icon in the system tray, select your network, enter the password, and click Connect.
- **Ethernet:** If an Ethernet cable is connected to the RJ45 port, the system will automatically establish a wired network connection.

### 6.4 Bluetooth Devices

The Mini PC features Bluetooth 5.0 for connecting wireless peripherals such as keyboards, mice, and headphones. To pair a device, go to *Settings > Bluetooth & devices > Add device* and follow the on-screen instructions.

## 7. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Mini PC:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols. For dust in ventilation openings, use compressed air carefully.

- **Ventilation:** Ensure that the ventilation grilles are not obstructed. Proper airflow is crucial for cooling the internal components.
- **Software Updates:** Regularly update your operating system (Windows Update) and drivers to ensure system stability, security, and performance.
- **Data Backup:** Periodically back up important data to an external drive or cloud storage to prevent data loss.

## 8. TROUBLESHOOTING

If you encounter issues with your BMAX B4 Turbo Mini PC, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| No power / Device does not turn on. | Power adapter not connected properly; Power outlet issue; Faulty power adapter. | Ensure power adapter is securely connected to both the Mini PC and a working wall outlet. Try a different outlet. Verify the power adapter is not damaged. |
| No display on monitor. | HDMI cable loose or faulty; Incorrect input selected on monitor; Monitor is off. | Check HDMI cable connections. Ensure monitor is on and set to the correct HDMI input. Try a different HDMI cable or port. |
| Wi-Fi connection issues. | Incorrect Wi-Fi password; Router issues; Driver issues. | Verify Wi-Fi password. Restart your router. Check device manager for Wi-Fi driver status and update if necessary. |
| Slow performance. | Too many applications running; Insufficient storage space; Overheating. | Close unnecessary applications. Free up disk space. Ensure proper ventilation and clean dust from vents. |

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

## 9. SPECIFICATIONS

| Feature | Detail |
|---|---|
| Processor | Intel Alder Twin-N150 (Max 3.60GHz, 4 Cores, 6MB Cache) |
| Graphics | Intel Graphics |
| Memory (RAM) | 16GB DDR4 |
| Storage | 512GB M.2_2280_SATA (AHCI) SSD |
| Operating System | Windows 11 Pro (Supports Ubuntu, Linux, Win 10) |
| USB Ports | 2x USB 3.0, 2x USB 2.0 |
| Video Output | 2x HDMI 2.1, 1x Type-C (Full Features) - Supports 4K Ultra HD, Triple Display |
| Network | RJ45 Gigabit Ethernet, Wi-Fi 5 |
| Bluetooth | Bluetooth 5.0 |

| Feature | Detail |
| --- | --- |
| Audio | 3.5mm Headphone Jack |
| Dimensions | 125 x 112 x 44 mm |
| Weight | Approx. 300g (device only) / 940g (package weight) |
| Power Consumption | Approx. 6W |

## 10. WARRANTY AND SUPPORT

Your BMAX B4 Turbo Mini PC comes with a**12-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

If you experience any issues or have questions not covered in this manual, please contact BMAX customer support through the retailer where you purchased the product or directly via the official BMAX support channels. Please have your product model and purchase information ready when contacting support.

For example, issues like OS/license authentication can be resolved by contacting Amazon or BMAX support.