Bmax B7A Pro

Bmax Mini PC B7A Pro User Manual

Model: B7A Pro

INTRODUCTION

This user manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Bmax Mini PC B7A Pro. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

WHAT'S IN THE BOX

Upon unboxing your Bmax Mini PC B7A Pro, please verify that all the following items are included:

- 1 x B7A Pro MINI PC (16GB RAM + 512GB SSD)
- 1 x HDMI Cable
- 1 x User Manual (this document)
- 1 x US Power Adapter
- 1 x VESA Mount with Screws

PRODUCT OVERVIEW

Figure 1: Front and rear view of the Bmax Mini PC B7A Pro, showcasing its compact design and various ports.

Key Features

- **Processor:** AMD Ryzen 5 7430U (6 Cores/12 Threads, up to 4.3 GHz, 16MB cache)
- **Memory:** 16GB DDR4 SO-DIMM RAM (expandable to 64GB)
- **Storage:** 512GB NVMe SSD (expandable to 2TB via M.2 2280 slot)
- **Graphics:** AMD Radeon Graphics (1800 MHz, 4K@60Hz output)
- **Connectivity:** WiFi 6 (1.2Gbps), Bluetooth 5.2
- **Display Output:** 1x HDMI, 1x DisplayPort (DP), 1x Full-Featured Type-C (supports triple display)
- **Cooling System:** High-strength space capsule cooling system with enlarged double copper heat pipe and smart fan.

Port Layout

Figure 2: Detailed diagram of the Bmax Mini PC B7A Pro's front and rear ports.

- **Front Ports:** Power Button, USB 3.2 x2, Type-C (Full-Featured), 3.5mm Headset Jack, Clear CMOS button.
- **Rear Ports:** Ethernet, USB 2.0 x2, HDMI, DisplayPort (DP), Power In.

SETUP

Initial Connection

1. **Connect to Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. You can also use the DisplayPort or Type-C port for additional displays.

2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.

3. **Connect Power:** Connect the US Power Adapter to the "Power In" port on the Mini PC, then plug the adapter into a power outlet.

4. **Power On:** Press the Power Button located on the front of the Mini PC. The power indicator light will illuminate.

VESA Mount Installation

The Bmax Mini PC B7A Pro comes with a VESA mount, allowing you to attach it to the back of a compatible monitor or to a wall, saving desk space.

Figure 3: Examples of VESA mount installation, showing the Mini PC mounted behind a monitor and on a wall.

1. Attach the VESA mount bracket to the back of your monitor using the provided screws, aligning with the VESA mounting holes.
2. Slide the Mini PC onto the VESA mount until it clicks securely into place.

OPERATING INSTRUCTIONS

First Boot and Operating System Setup

The Bmax Mini PC B7A Pro comes with a pre-installed operating system. On the first boot, you will be guided through the initial setup process, which typically includes:

- Region and language selection.
- Keyboard layout configuration.
- Network connection (WiFi or Ethernet).
- User account creation.

Follow the on-screen prompts to complete the setup.

Triple Display Setup

The Mini PC supports connecting up to three displays simultaneously for enhanced productivity.

Figure 4: Example of a triple display setup connected to the Bmax Mini PC, utilizing HDMI, DisplayPort, and Type-C outputs.

Connect your monitors to the HDMI, DisplayPort (DP), and Type-C ports. Once connected, you can configure the display settings within your operating system (e.g., Extend, Duplicate, or Show only on one display).

Smart Recovery Feature

The Bmax Mini PC B7A Pro includes a Smart Recovery feature to help restore your system to factory settings in case of OS issues or slow performance.

Figure 5: The Smart Recovery interface, offering options for Factory Reset or Exit.

To access Smart Recovery:

1. Ensure the Mini PC is powered off.

2. Press the "Clear CMOS" button (often a small pinhole button) or refer to the on-screen instructions during boot to enter the recovery environment.

3. Follow the prompts to perform a "Factory Reset" if needed.**Note:** A factory reset will erase all data on the system drive. Back up important files before proceeding.

SPECIFICATIONS

Component	Detail
Processor	AMD Ryzen 5 7430U (6C/12T, up to 4.3 GHz)

Component	Detail
Graphics	AMD Radeon Graphics (1800 MHz)
RAM	16GB DDR4 (Expandable to 64GB)
Storage	512GB NVMe SSD (Expandable to 2TB)
Operating System	Pre-installed OS (e.g., Windows 11 Pro)
Wireless Connectivity	WiFi 6, Bluetooth 5.2
Ports	2x USB 3.2, 2x USB 2.0, 1x Type-C (Full-Featured), 1x HDMI, 1x DP, 1x Ethernet, 1x 3.5mm Headset Jack
Dimensions	4.9 x 4.4 x 2 inches
Weight	1.87 pounds

TROUBLESHOOTING

Common Issues and Solutions

- **No Power:**

  Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet if necessary.

- **No Display:**

  Verify that the HDMI/DP/Type-C cable is firmly connected to both the Mini PC and the monitor. Check the monitor's input source setting. Test with a different cable or monitor if possible.

- **No Internet Connection (WiFi):**

  Ensure WiFi is enabled in the operating system. Check if the correct WiFi network is selected and the password is entered correctly. Restart your router and the Mini PC.

- **Slow Performance:**

  Close unnecessary applications. Check for background processes consuming high CPU or RAM. Ensure sufficient free space on the SSD. Consider running the Smart Recovery feature if the OS is severely degraded (backup data first).

MAINTENANCE

- **Cleaning:**

  Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from ventilation holes to maintain optimal cooling performance. Do not use liquid cleaners directly on the device.

- **Software Updates:**

  Keep your operating system and drivers updated to ensure system stability, security, and performance.

- **Storage Management:**

  Periodically review and delete unnecessary files to free up storage space on the SSD.

WARRANTY AND SUPPORT

Bmax products typically come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Bmax website.
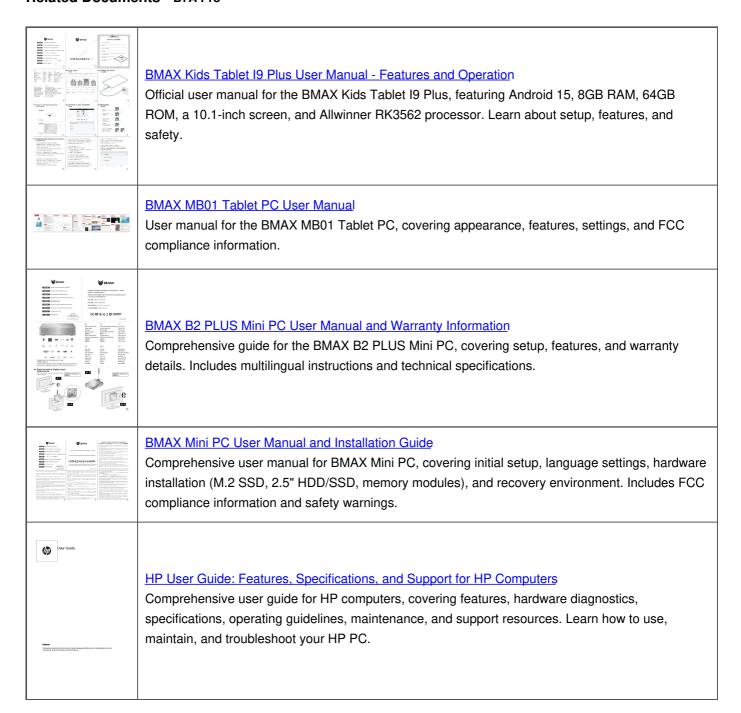
For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Bmax customer service through their official channels. Keep your purchase receipt and product serial number handy when contacting support.

Online Resources:

- Bmax Official Store on Amazon

Related Documents - B7A Pro

	BMAX Kids Tablet I9 Plus User Manual - Features and Operation Official user manual for the BMAX Kids Tablet I9 Plus, featuring Android 15, 8GB RAM, 64GB ROM, a 10.1-inch screen, and Allwinner RK3562 processor. Learn about setup, features, and safety.
	BMAX MB01 Tablet PC User Manual User manual for the BMAX MB01 Tablet PC, covering appearance, features, settings, and FCC compliance information.
	BMAX B2 PLUS Mini PC User Manual and Warranty Information Comprehensive guide for the BMAX B2 PLUS Mini PC, covering setup, features, and warranty details. Includes multilingual instructions and technical specifications.
	BMAX Mini PC User Manual and Installation Guide Comprehensive user manual for BMAX Mini PC, covering initial setup, language settings, hardware installation (M.2 SSD, 2.5" HDD/SSD, memory modules), and recovery environment. Includes FCC compliance information and safety warnings.
	HP User Guide: Features, Specifications, and Support for HP Computers Comprehensive user guide for HP computers, covering features, hardware diagnostics, specifications, operating guidelines, maintenance, and support resources. Learn how to use, maintain, and troubleshoot your HP PC.

[HP EliteBook 645 G9 Maintenance and Service Guide](#)
Detailed maintenance and service guide for the HP EliteBook 645 14 inch G9 Notebook PC, covering component identification, removal and replacement procedures, troubleshooting, specifications, and setup.