

## Bmax B5A Pro

# Bmax B5A Pro Mini PC User Manual

Model: B5A Pro

## 1. INTRODUCTION AND OVERVIEW

The Bmax B5A Pro Mini PC is a high-performance, compact desktop computer designed for a variety of tasks including gaming, content creation, office work, and home use. Equipped with an AMD Ryzen 7 5825U processor, 16GB DDR4 RAM, and a 512GB NVMe SSD, it offers robust performance in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1: Bmax B5A Pro Mini PC showcasing its compact design and key specifications.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x B5A Pro Mini PC
- 1 x Power Adapter (The correct plug for your region will be provided)
- 1 x HDMI Cable (1.5m)
- 1 x Metal Bracket (for VESA mounting)
- 1 x Multi-language User Guide (Supports English, French, German, Russian, Spanish, Italian, Japanese, Korean, and Simplified Chinese)

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Video 1: Unboxing and first look at the Bmax B5A Pro Mini PC and its included accessories.

## 3. SETUP GUIDE

1. **Connect Power:** Plug the power adapter into the DC Power Port on the Mini PC and then into a power outlet.

2. **Connect Display:** Connect your monitor(s) to the Mini PC using the HDMI 2.1, DisplayPort 1.4, or Full-Featured USB-C port. The device supports up to three 4K displays simultaneously.
3. **Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB 3.2 Gen 2 or USB 2.0 ports.
4. **Network Connection:** For a stable internet connection, connect an Ethernet cable to the RJ45 LAN port. Alternatively, the Mini PC supports Wi-Fi 6 for wireless connectivity.
5. **Power On:** Press the power button located on the front of the Mini PC.

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Video 2: Detailed overview of the Bmax B5A Pro Mini PC's connectivity options and input/output ports.

## 4. OPERATING INSTRUCTIONS

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The Bmax B5A Pro Mini PC comes with an operating system pre-installed. Upon first boot, follow the on-screen instructions to complete the initial setup process.

### Power On/Off

- **To Power On:** Press the power button on the front of the Mini PC.
- **To Power Off:** Access the operating system's shutdown menu and select 'Shut down'. Alternatively, press and hold the power button for a few seconds to force a shutdown (not recommended for regular use).

### Multi-Display Setup

The B5A Pro supports connecting up to three displays simultaneously. Once connected, you can configure display settings (e.g., extend, duplicate) through your operating system's display settings.

## 5. HARDWARE UPGRADES

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The Bmax B5A Pro Mini PC offers options for RAM and storage expansion to enhance its capabilities.

### RAM Upgrade

The Mini PC is installed with 16GB DDR4 RAM (Dual Channel) and supports expansion up to 64GB RAM. Consult the user guide for detailed instructions on accessing the RAM slots.

### Storage Expansion

The device features a primary 512GB M.2 NVMe SSD for the operating system and applications. It also includes a 2.5-inch SATA drive bay, allowing you to add an additional HDD or SSD for bulk storage. Refer to the user guide for instructions on installing additional storage.



Figure 2: Internal components showing RAM slots and M.2 SSD for potential upgrades.

## 6. CONNECTIVITY

The Bmax B5A Pro offers comprehensive connectivity options:

- **USB Ports:** 2 x USB 3.2 Gen 2 ports, 2 x USB 2.0 ports.
- **Video Outputs:** 1 x HDMI 2.1 port (4K@60Hz), 1 x Full-Featured USB-C port (PD/DP/DATA), 1 x DisplayPort 1.4.
- **Network:** 1 x RJ45 LAN port (Gigabit Ethernet), Wi-Fi 6.
- **Audio:** 1 x Audio 3.5mm (HP&MIC) jack.
- **Wireless:** Bluetooth 5.3.



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## ULTIMATE GAMING PERFORMANCE!

### iGPU Performance (TFLOPS)



Figure 3: Visual representation of all available ports on the Bmax B5A Pro Mini PC.

## 7. SPECIFICATIONS

Feature	Specification
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Processor	AMD Ryzen 7 5825U (8 Cores/16 Threads, up to 4.50GHz)
Graphics	AMD Radeon Graphics (8 Cores, 2000 MHz GPU)
RAM	16GB DDR4 (Dual Channel, expandable to 64GB)
Storage	512GB M.2 NVMe SSD (expandable with 2.5-inch SATA drive)
Video Output	HDMI 2.1 (4K@60Hz), DisplayPort 1.4, Full-Featured USB-C (PD/DP/DATA)
USB Ports	2 x USB 3.2 Gen 2, 2 x USB 2.0
Network	Gigabit Ethernet (RJ45), Wi-Fi 6
Bluetooth	Bluetooth 5.3
Audio	3.5mm Headphone/Microphone Combo Jack
Operating System	Pre-installed OS (e.g., Windows 11 Pro)
Dimensions	4.9 x 4.4 x 2.1 inches
Weight	14.1 ounces

## 8. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Bmax B5A Pro Mini PC.

- **Keep Vents Clear:** Ensure the cooling vents on the sides and bottom of the Mini PC are not obstructed to maintain proper airflow.
- **Software Updates:** Regularly update your operating system and drivers to ensure security and performance improvements.
- **Clean Gently:** Use a soft, dry cloth to clean the exterior. Avoid liquid cleaners directly on the device.



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«League of Legends»

**148**  
FPS



«Dota 2»

**102**  
FPS



«CS : GO»

**95**  
FPS



«PUBG»

**65**  
FPS



«World of Tanks»

**60**  
FPS

Figure 4: The Space Capsule Cooling System ensures efficient heat dissipation for sustained performance.

## 9. TROUBLESHOOTING

If you encounter issues with your Mini PC, try the following steps:

- **No Power:** Check all power connections. Ensure the power adapter is securely plugged into the Mini PC and a working

power outlet.

- **No Display:** Verify that your monitor(s) are correctly connected and powered on. Try different display ports or cables.
- **System Unresponsive:** Perform a hard reset by pressing and holding the power button for 5-10 seconds until the device powers off, then restart.
- **Operating System Issues:** If the operating system is not functioning correctly, you can use the exclusive Bmax recovery tool to restore your PC to a factory-fresh condition.



Figure 5: Steps for utilizing the Bmax Exclusive Smart Recovery System.

## 10. WARRANTY AND SUPPORT

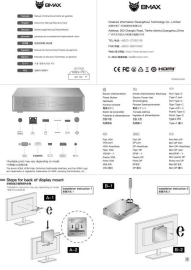



Bmax offers a 1-year limited warranty for each Mini PC, starting from the date of purchase. All defects due to design and workmanship are covered. For technical assistance or warranty claims, please refer to the official Bmax website or contact their professional after-sales team.

For further support, please visit the [Bmax Official Store](#) or consult the detailed multi-language user guide included in your package.

### Related Documents - B5A Pro

	<p><a href="#">BMAX Kids Tablet I9 Plus User Manual - Features and Operation</a></p> <p>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.</p>
	<p><a href="#">BMAX Mini PC User Manual and Installation Guide</a></p> <p>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.</p>



	<p><a href="#">BMAX B2 PLUS Mini PC User Manual and Warranty Information</a></p> <p>Comprehensive guide for the BMAX B2 PLUS Mini PC, covering setup, features, and warranty details. Includes multilingual instructions and technical specifications.</p>
	<p><a href="#">BMAX MB01 Tablet PC User Manual</a></p> <p>User manual for the BMAX MB01 Tablet PC, covering appearance, features, settings, and FCC compliance information.</p>
	<p><a href="#">BMAX Merchandising Refrigerator KXG-750 Product Specifications and Features</a></p> <p>Detailed overview of the BMAX Merchandising Refrigerator KXG-750, including core technology, flexible use applications, and comprehensive product specifications for various models.</p>
	<p><a href="#">BMAX Phone Cases: Perfect Fit &amp; Optimal Protection Guide</a></p> <p>Explore BMAX phone cases, including silicone hard, carbon soft, booktype, and bookcase styles, all designed for a perfect fit. Learn installation tips and discover how BMAX cases provide optimal protection against scratches and drops, complementing BMAX screen protectors.</p>