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› ACEMAGICIAN RGB Mini PC AMR5 User Manual

ACEMAGICIAN AMR5

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Model: AMR5

INTRODUCTION

Thank you for choosing the ACEMAGICIAN RGB Mini PC AMR5. This compact and powerful mini PC is designed for various applications, from daily computing to light gaming and multimedia. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device. Please read it carefully to ensure optimal performance and longevity of your mini PC.

PACKAGE CONTENTS

Verify that all items are present in the box:

- ACEMAGICIAN RGB Mini PC AMR5
- HDMI Cable
- Power Adapter
- User Manual

RÉGLAGE TROIS MODES

Déverrouillez la consommation d'énergie et augmentez la limite de vitesse du ventilateur pour une libération de performances plus puissante du processeur et de la carte graphique.



MODE ECO Silencieux

Convient pour le bureau léger / home cinéma



MODE AUTO

bureau moyen / multitâches /
conception



MODE Performance

Augmentez les performances pour jouer à
des jeux / travail de bureau intensif



Image: The ACEMAGICIAN RGB Mini PC AMR5 shown with its included accessories: HDMI cable, power adapter, and user manual.

PRODUCT OVERVIEW

Key Features

- **Processor:** AMD Ryzen 7 5700U (8 Cores, 16 Threads, up to 4.3 GHz)

- **Graphics:** Integrated Radeon RX Vega 8 Graphics
- **Memory:** 16GB DDR4 RAM (expandable up to 64GB)
- **Storage:** 512GB SSD (expandable up to 4TB via M.2 NVMe)
- **Operating System:** Windows 11 Pro
- **Adjustable Modes:** Performance, Auto, and Silent Eco modes
- **Design:** Unique vertical design with RGB lighting and magnetic side panel for easy access.
- **Connectivity:** Wi-Fi 6, Bluetooth, Gigabit Ethernet, multiple USB ports, HDMI, DisplayPort.

Ports and Connectors

The ACEMAGICIAN RGB Mini PC AMR5 offers a comprehensive set of ports for various peripherals and displays:

- **USB 3.0 Ports:** Multiple ports for high-speed data transfer.
- **USB Type-C Port:** Full-featured, supporting data transfer (10 Gbit/s) and display output (4K 60 Hz).
- **HDMI 2.0 Port:** Supports 4K 60 Hz video output.
- **DisplayPort:** For additional display connectivity.
- **Gigabit Ethernet Port:** For stable wired network connection.
- **Audio Input/Output:** For headphones, microphones, or external speakers.
- **DC Power Input:** For connecting the power adapter.

Restez connecté

Toujours en ligne, sans lag, profitez de la victoire en temps réel avec vos coéquipiers !



Image: A detailed diagram illustrating the various ports and connectors on the ACEMAGICIAN Mini PC AMR5, including USB 3.0, USB Type-C, HDMI, DisplayPort, Ethernet, and audio jacks.

SETUP INSTRUCTIONS

Follow these steps to set up your ACEMAGICIAN RGB Mini PC:

1. Connect Peripherals:

- Connect your monitor(s) to the HDMI or DisplayPort outputs.
- Connect your keyboard and mouse to the USB ports.
- Connect any other desired peripherals (e.g., external hard drives, speakers) to the available ports.

2. Network Connection:

- For a wired connection, connect an Ethernet cable to the Gigabit Ethernet port.
- For a wireless connection, ensure your Wi-Fi network is available during initial setup. The device supports Wi-Fi 6.

3. Power On:

- Connect the power adapter to the DC power input on the mini PC.
- Plug the power adapter into a wall outlet.
- Press the power button located on the front of the mini PC to turn it on.

4. Initial Windows Setup:

Upon first boot, follow the on-screen instructions to complete the Windows 11 Pro setup, including language, region, network connection, and user account creation.

OPERATING INSTRUCTIONS

Adjustable Performance Modes

The ACEMAGICIAN RGB Mini PC AMR5 features three adjustable performance modes, allowing you to optimize power consumption and fan speed based on your tasks. You can switch between these modes by rotating the power button dial.

Silent ECO Mode

Power: 10-15W

Fan Speed: 2500 RPM

Ideal for light office work, web browsing, and multimedia consumption. This mode prioritizes quiet operation and energy efficiency.



Image: The power button dial set to Silent ECO Mode, indicated by blue lighting.

Auto Mode

Power: 15-20W

Fan Speed: 3000 RPM

A balanced mode suitable for daily

tasks, multitasking, and general productivity. It offers good performance while maintaining moderate noise levels.

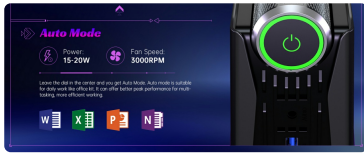


Image: The power button dial set to Auto Mode, indicated by green lighting.

Performance Mode

Power: 20-25W

Fan Speed: 4200 RPM

Maximizes CPU and GPU performance for demanding applications, heavy productivity, and gaming. This mode will result in higher fan noise.

Image: The power button dial set to Performance Mode, indicated by red lighting.

RGB Lighting Control

The mini PC features customizable RGB lighting to enhance your setup. You can control the lighting effects using dedicated software.

- **Software Download:** Visit the official ACEMAGICIAN website or scan the QR code provided in the package to download the AMR5 RGB Control Software.
- **Effects:** The software typically allows you to choose between various lighting effects such as Breathe, Cycle, and Rainbow.



Image: The ACEMAGICIAN Mini PC showcasing its RGB lighting effects, with options for various patterns like 'Breathe', 'Cycle', and 'Rainbow'.

STORAGE AND MEMORY EXPANSION

The ACEMAGICIAN RGB Mini PC AMR5 is designed for easy upgrades, featuring a magnetic side panel for quick access to internal components.

Magnetic Design for Easy Disassembly

The side cover of the mini PC is held by magnets, allowing for tool-free removal. This simplifies the process of upgrading or maintaining your device.

10 EN 1

MINI ORDINATEUR



Image: The ACEMAGICIAN Mini PC with its magnetic side panel detached, revealing the internal slots for SSD and RAM upgrades.

Memory (RAM) Upgrade

The mini PC comes with 16GB DDR4 RAM and supports expansion up to 64GB. It features two SO-DIMM DDR4 slots.

- **Type:** SO-DIMM DDR4
- **Maximum Capacity:** 64GB
- **Slots:** 2

Storage (SSD) Upgrade

The mini PC includes a 512GB M.2 SSD and supports additional M.2 NVMe/NGFF SSDs up to 4TB.

- **Type:** M.2 2280 NVMe/NGFF SSD
- **Maximum Capacity:** 4TB
- **Slots:** 2

**16G DDR4 & 512G SSD**
Dual Channel DDR4, Max 64GB

**Dual Slot M.2 SSD NVME, Max 4TB**
Support Nvme/NGFF, Max 2TB



DDR4 Memory - Blazing Fast
equipped with DDR4 SSD, enjoy performance jump to 2666 MHz, with write times 50% faster than DDR3 equipped machines.



M.2 SSD NVME - Better, Faster, More effective.
M.2 SSD with raw throughput up to 1900 MB/S, massive files and large games will load in the blink of an eye.

Image: An internal view diagram of the ACEMAGICIAN Mini PC, highlighting the two M.2 2280 SSD slots (supporting up to 4TB) and two SO-DIMM DDR4 slots (supporting up to 64GB RAM).

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 mini PC.
 - Periodically use compressed air to clear dust from the ventilation openings to prevent overheating.
- **Ventilation:**

Ensure the mini PC is placed in a well-ventilated area. Do not block the air vents. The device features an all-copper cooling fan and three dedicated exhaust vents for efficient heat dissipation.



CUTTING EDGE COOLING BOOSTS PERFORMANCE

All copper cooling fan and three dedicated exhaust vents, keeping your framerate smooth and steady even during extended gaming sessions.

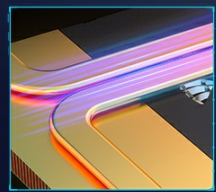


Image: A diagram illustrating the internal cooling system of the ACEMAGICIAN Mini PC, showing airflow paths and the all-copper cooling fan designed for efficient heat management.

• **Software Updates:**

Regularly update your Windows operating system and drivers to ensure security and performance improvements.

TROUBLESHOOTING

If you encounter issues with your ACEMAGICIAN RGB Mini PC, refer to the following common solutions:

Problem	Possible Cause	Solution
No power/Does not turn on	Power adapter not connected properly; faulty power outlet.	Ensure the power adapter is securely connected to both the mini PC and a working power outlet. Try a different outlet.
No display on monitor	Monitor cable loose; incorrect input selected on monitor; faulty cable.	Check HDMI/DisplayPort cable connections. Ensure the monitor is set to the correct input source. Try a different cable or monitor.
Slow performance	Too many applications running; insufficient RAM; dust buildup causing overheating.	Close unnecessary applications. Consider upgrading RAM if frequently experiencing slowdowns. Clean dust from vents. Switch to Performance Mode.
No Wi-Fi connection	Wi-Fi disabled; driver issue; router problem.	Check Wi-Fi settings in Windows. Ensure Wi-Fi drivers are installed and updated. Restart your router.
RGB lighting not working	Software not installed or configured; connection issue.	Ensure the RGB control software is installed and running. Check for any loose internal connections if you have opened the case.

If the problem persists after trying these solutions, please contact ACEMAGICIAN customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Brand	ACEMAGICIAN
Model Name	AMR5
Processor	AMD Ryzen 7 5700U (8 Cores, 16 Threads, up to 4.3 GHz)
Graphics	AMD Radeon RX Vega 8 Graphics (Integrated)
RAM	16GB DDR4 (2x SO-DIMM slots, expandable to 64GB)
Storage	512GB M.2 SSD (2x M.2 2280 NVMe/NGFF slots, expandable to 4TB)
Operating System	Windows 11 Pro
Wireless Connectivity	Wi-Fi 6, Bluetooth

Feature	Detail
Wired Connectivity	Gigabit Ethernet
Video Output	HDMI 2.0 (4K@60Hz), DisplayPort, USB Type-C (4K@60Hz)
USB Ports	Multiple USB 3.0, 1x USB Type-C (Full-featured)
Audio	Audio Input/Output
Cooling Method	Air Cooling (All-copper fan, 3 exhaust vents)
Power Consumption	25 Watt (Max)
Dimensions	13.3 x 7.2 x 15.6 cm
Special Features	RGB Lighting, 3 Adjustable Performance Modes (Eco, Auto, Performance), Vertical Design, Magnetic Side Panel
UPC	766429256465

WARRANTY AND SUPPORT

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

- **Warranty:** The product typically comes with a 12-month warranty. Please refer to your purchase documentation for specific warranty terms.
- **Technical Assistance:** Lifetime technical support is available for ACEMAGICIAN products.
- **Customer Service:** For any inquiries, technical issues, or support needs, please contact ACEMAGICIAN customer service. You can usually find contact information (e.g., live chat, email, phone) on the official ACEMAGICIAN website or through your purchase platform.



Image: A friendly customer service representative wearing a headset, symbolizing ACEMAGICIAN's commitment to professional and

helpful support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question