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› ACEMAGIC AD08 Mini Gaming PC i9-11900H Instruction Manual

ACEMAGIC AD08

ACEMAGIC AD08 Mini Gaming PC Instruction Manual

Model: AD08

1. Introduction

This manual provides instructions for setting up, operating, and maintaining your ACEMAGIC AD08 Mini Gaming PC. This compact desktop computer features an Intel Core i9-11900H processor, 32GB DDR4 RAM, and a 1TB NVMe SSD, designed for high performance in gaming, creative tasks, and everyday use.

2. Package Contents

- 1x ACEMAGIC AD08 Mini PC (32GB+1TB configuration)
- 1x HDMI Cable
- 1x Power Adapter
- 1x User Manual (this document)

3. Setup Guide

3.1 Connecting Peripherals

Connect your monitor(s) to the HDMI 2.0 ports or the USB-C (Thunderbolt) port. The AD08 supports up to three 4K@60Hz displays simultaneously.

Connect your keyboard, mouse, and other USB devices to the available USB 3.2 ports.

For wired network access, connect an Ethernet cable to the 2.5Gbps LAN port. For wireless connectivity, the device supports WiFi 6 and Bluetooth 5.2.

Connect speakers or headphones to the Audio Jack.



Image: Front and rear view of the ACEMAGIC AD08 Mini PC, highlighting its various connectivity ports including USB 3.2, HDMI 2.0, USB-C, Ethernet, and audio jacks.



Image: The ACEMAGIC AD08 Mini PC connected to three external monitors, illustrating its capability for triple 4K display output via 2 HDMI ports and 1 Type-C port.

3.2 Powering On

Connect the power adapter to the DC Power Port on the Mini PC and then plug it into a power outlet. Press the power button located on the top of the device to turn it on. The system will boot into Windows 11.

4. Operating Instructions

4.1 Multi-Mode Operation

The ACEMAGIC AD08 features a multi-mode system, allowing you to adjust performance and power consumption based on your needs. Use the control knob/button on the device to switch between modes:

- **Silent Mode (20W, 34dB):** Ideal for light office work, web browsing, and quiet streaming. This mode prioritizes low power consumption and minimal noise.
- **Auto Mode (35W, 38dB):** Suitable for multitasking and general productivity tasks. This mode balances performance and power efficiency.
- **Performance Mode (45W, 44dB):** Designed for demanding applications such as gaming, video editing, and graphic design. This mode maximizes CPU performance.



Image: Visual representation of the three operational modes (Silent, Auto, Performance) with their respective power consumption (20W, 35W, 45W) and noise levels (34dB, 38dB, 44dB), indicated by different colored lighting on the power button.

4.2 RGB Lighting Control

The device is equipped with RGB lighting. You can select from 5 different lighting modes to customize the aesthetic of your setup. Refer to the system software or physical controls for specific adjustment methods.



Image: The ACEMAGIC AD08 Mini PC displaying its adjustable RGB lighting effects, with options for various modes like Auto, ON, Breathe, Cycle, and Rainbow.

4.3 Storage Expansion

The Mini PC supports storage expansion. It includes 1 x 2.5" SATA HDD/SSD slot, expandable up to 2TB. The M.2 NVMe PCIe3.0 SSD is also upgradeable.

magnetic design one-step disassembly

Upgrading your RAM and SSD is simplified with an easy-upgrade Magnetic Design that gives you fast access to memory slots and storage bays.



Max to 64GB
2 X SO-DIMM DDR4

Max 2TB
1 x M.2 2280 NVME/ NGFF
(M.2 2280 PCIe4.0x4 SSD)

Max 2TB
Supports 2.5" SATA SSD

magnetic

Image: An exploded view of the ACEMAGIC AD08 Mini PC showing its internal layout for easy upgrades. It highlights two SO-DIMM DDR4 slots for up to 64GB RAM, one M.2 2280 NVMe/NGFF slot for up to 2TB SSD, and a 2.5" SATA HDD/SSD slot for up to 2TB expansion.

5. Maintenance

5.1 Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation openings are free from dust to maintain optimal airflow and cooling performance.

Do not use liquid cleaners or aerosols directly on the device.

5.2 Software Updates

Keep your operating system and drivers updated to ensure system stability and performance. Windows Update can manage most system updates.

6. Troubleshooting

6.1 No Power

Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
Verify the power outlet is functional by plugging in another device.

6.2 No Display Output

Check all HDMI and USB-C cable connections between the Mini PC and your monitor(s).
Ensure your monitor is set to the correct input source.
Try connecting to a single monitor to isolate the issue.

6.3 Performance Issues / Overheating

Ensure the Mini PC is placed in a well-ventilated area and that its cooling fans are not obstructed.
Switch to "Performance Mode" if you are running demanding applications.
Clean any dust from the ventilation grilles.



Image: Diagram illustrating the efficient heat dissipation system of the ACEMAGIC AD08 Mini PC, which includes dual fans for accelerated airflow, three heat pipes for rapid heat conduction, and large area fins for enhanced heat diffusion.

6.4 Network Connectivity Problems

For wired connections, check the Ethernet cable and router status.
For wireless connections, ensure WiFi 6 is enabled and you are connected to the correct network. Restart your router if necessary.
Verify Bluetooth 5.2 is enabled for Bluetooth device connections.

Stable, High speed, Low Latency

WiFi 6+BT 5.2 New Era, Speed & Signal Fully Upgraded



Image: The ACEMAGIC AD08 Mini PC depicted in a modern city environment, emphasizing its advanced wireless connectivity features: WiFi 6 (1.2Gbps, 300% faster than WiFi 5) and Bluetooth 5.2 (2Mbps, 100% faster than BT 4.2).

7. Technical Specifications

Feature	Specification
Brand	ACEMAGIC
Model	AD08
Operating System	Windows 11
CPU Model	Intel Core i9-11900H (8 Cores, 16 Threads, up to 4.9 GHz)
Graphics	Intel UHD Graphics (Integrated)
RAM	32GB DDR4 (Dual Channel, 3200 MHz, expandable to 64GB)
Storage	1TB NVMe PCIe 3.0 SSD (expandable with 2.5" SATA HDD/SSD up to 2TB)
Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2, 2.5Gbps Ethernet (RJ45)
Ports	4x USB 3.2, 2x HDMI 2.0 (4K@60Hz), 1x USB-C (USB4.0), 1x Audio Jack, 1x DC Power Port
Video Output	Triple Display (2x HDMI, 1x USB-C) 4K@60Hz
Cooling	Dual Fans, 3 Heat Pipes
Power Consumption	45 Watts (Max)

8. Warranty and Support

8.1 Warranty Information

This ACEMAGIC AD08 Mini PC comes with a 24-month warranty for return and exchange. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance or support, please contact ACEMAGIC customer service. We aim to provide a first reply within 24 hours.

Contact information can typically be found on the ACEMAGIC official website or through your purchase platform.



Image: A friendly customer service representative with a headset, ready to assist, representing the available customer support.