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› Acegeek Arcane Mid-Tower Gaming PC Case User Manual

Acegeek AG-ARCANE-WH

Acegeek Arcane Mid-Tower Gaming PC Case User Manual

Model: AG-ARCANE-WH

1. INTRODUCTION

Thank you for choosing the Acegeek Arcane Mid-Tower Gaming PC Case. This manual provides essential information for the proper installation, operation, and maintenance of your new PC case. Please read these instructions carefully before beginning assembly to ensure optimal performance and longevity of your components.

Important Note: This PC case does not include cooling fans. Fans must be purchased separately.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Acegeek Arcane Mid-Tower Gaming PC Case (AG-ARCANE-WH)
- Accessory kit (screws, standoffs, cable ties)
- User Manual (this document)

If any items are missing or damaged, please contact your retailer or Acegeek support.

3. SETUP AND COMPONENT INSTALLATION

Before starting, ensure you have a clean, static-free workspace. It is recommended to wear an anti-static wrist strap.

3.1. Preparing the Case

Carefully remove the tempered glass side panel by unscrewing the retaining thumbscrews. Place the panel on a soft, flat surface to prevent scratches.



Image: Front-angled view of the Acegeek Arcane case with the tempered glass side panel removed, revealing the internal structure and various fan mounting points. This view highlights the spacious interior for component installation.

3.2. Motherboard Installation

1. Install the I/O shield into the rear opening of the case.
2. Align your Micro-ATX or ITX motherboard with the pre-installed standoffs.
3. Secure the motherboard using the provided screws. Do not overtighten.



Image: Internal view of the Acegeek Arcane PC case from the rear, showcasing the motherboard mounting area, CPU cutout, and various cable routing options. This perspective is useful for planning motherboard and cable installations.

3.3. Storage Drive Installation

The case supports 2 x HDD (3.5-inch) and 1 x SSD (2.5-inch).

- **HDDs:** Locate the drive cage, typically near the PSU shroud. Slide the 3.5-inch HDDs into the bays and secure them with screws.
- **SSDs:** Mount the 2.5-inch SSDs to the designated mounting points, usually on the motherboard tray or PSU shroud, using the provided screws.

3.4. Power Supply Unit (PSU) Installation

Install your power supply into the dedicated PSU compartment, typically at the bottom rear of the case. Ensure the fan faces the correct direction (usually downwards for cases with a bottom vent, or upwards if no bottom vent is present). Secure with screws from the rear of the case.

3.5. Expansion Card (VGA) Installation

Remove the necessary expansion slot covers from the rear of the case. Insert your graphics card (VGA) or other expansion cards into the motherboard's PCIe slots and secure them with screws. The case supports VGA cards up to 320 mm in length.

3.6. Cooling Fan Installation

The Acegeek Arcane case supports multiple fan configurations:

- **Side:** 2 x 120 mm fans
- **Top:** 2 x 120 mm fans
- **Rear:** 1 x 120 mm fan
- **PSU Cover:** 2 x 120 mm fans

Install fans in desired locations, ensuring proper airflow direction (intake or exhaust) for optimal cooling.



Image: Direct internal front view of the Acegeek Arcane PC case, highlighting the various fan mounting positions on the side, top, and bottom, as well as the main compartment for the motherboard and other components.

3.7. Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables. This improves airflow and aesthetics. The case provides 20 mm of space for cable management.

3.8. Final Assembly

Once all components are installed and cables are managed, reattach the tempered glass side panel and secure it with the thumbscrews.

4. OPERATING THE PC CASE

The Acegeek Arcane case is designed to house your PC components securely and provide adequate cooling. Proper fan configuration is crucial for maintaining optimal temperatures. Ensure that your installed fans create a balanced airflow, typically with intake fans at the front/side and exhaust fans at the rear/top.

4.1. Front Panel Connectors

Connect the front panel cables (USB, audio, power button, reset button, LED indicators) to the corresponding headers on your motherboard as per your motherboard's manual.

5. MAINTENANCE

Regular maintenance helps ensure optimal performance and extends the lifespan of your PC components.

5.1. Cleaning the Case

- **Exterior:** Use a soft, damp cloth to wipe down the exterior surfaces. Avoid abrasive cleaners.
- **Tempered Glass:** Clean with a glass cleaner and a microfiber cloth to avoid streaks.
- **Dust Filters/Mesh:** Periodically remove and clean any dust filters or mesh panels (e.g., top, bottom, side vents) using compressed air or by rinsing with water (ensure they are completely dry before reinstallation).
- **Interior:** Use compressed air to remove dust from inside the case and off components.

Caution: Always power off and unplug your PC before performing any cleaning or maintenance.

6. TROUBLESHOOTING

This section addresses common issues related to PC case assembly and function.

6.1. PC Not Powering On

- Ensure all power cables (24-pin ATX, 8-pin CPU, GPU PCIe) are securely connected to the motherboard and components.
- Verify that the front panel power button cable is correctly connected to the motherboard's front panel header.
- Check that the PSU switch is in the 'ON' position.

6.2. Poor Airflow / Overheating

- Confirm that all installed fans are spinning and oriented correctly (intake vs. exhaust).
- Clean any dust filters or mesh panels that may be obstructing airflow.
- Ensure proper cable management to prevent airflow blockages.

6.3. Components Not Fitting

- Double-check the specifications for maximum CPU cooler height (155 mm) and VGA length (320 mm).
- Ensure motherboard form factor (Micro-ATX, ITX) is compatible.

7. SPECIFICATIONS

Feature	Specification
Model	AG-ARCANE-WH
Form Factor	Mid-Tower
Material	Acrylic, Mesh, Tempered Glass, Steel Alloy
Motherboard Support	Micro-ATX, ITX
Dimensions (L x W x H)	345 x 270 x 375 mm (13.58 x 10.63 x 14.76 inches)
Drive Bays	2 x 3.5" HDD, 1 x 2.5" SSD
Expansion Slots	4
Fan Support (Side)	2 x 120 mm
Fan Support (Top)	2 x 120 mm
Fan Support (Rear)	1 x 120 mm
Fan Support (PSU Cover)	2 x 120 mm
Max CPU Cooler Height	155 mm
Max VGA Length	320 mm
PSU Length Support	190 mm
Cable Management Space	20 mm

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The Acegeek Arcane Mid-Tower Gaming PC Case comes with a**12-month warranty** from the date of purchase. This warranty covers manufacturing defects and faulty materials under normal use. It does not cover damage caused by improper installation, misuse, accidents, modifications, or unauthorized repairs.

8.2. Technical Support

For technical assistance, troubleshooting, or warranty claims, please contact your retailer or visit the official Acegeek website for support resources and contact information. When contacting support, please have your product model (AG-ARCANE-WH) and proof of purchase readily available.

ASK A QUESTION ABOUT THIS MANUAL

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