

AeroCool BLADEBK

AeroCool Blade ATX Semi-Tower PC Case Instruction Manual

Model: BLADEBK

1. INTRODUCTION

The AeroCool Blade is an ATX semi-tower PC case designed for optimal airflow and aesthetic appeal. It features an RGB front panel with preset lighting modes, a full tempered glass side window, and ample space for component installation. This manual provides essential information for the proper setup, operation, and maintenance of your PC case.

Safety Information: Always disconnect power from your system before performing any installation or maintenance. Handle components with care to avoid damage. Refer to individual component manuals for specific installation instructions.

2. PACKAGE CONTENTS

- AeroCool Blade ATX Semi-Tower PC Case
- 1 x 120mm RGB Rear Fan (pre-installed)
- 3 x 120mm Front Fans (pre-installed)
- Accessory Kit (screws, standoffs, cable ties)

3. SETUP AND INSTALLATION

3.1 Preparing the Case

Carefully remove the case from its packaging. Place it on a stable, flat surface. Remove the tempered glass side panel by unscrewing the thumb screws at the rear of the case and gently pulling the panel away.



Figure 3.1: Internal view of the AeroCool Blade PC case, illustrating the layout for component installation.

3.2 Motherboard Installation

1. Install the necessary motherboard standoffs into the motherboard tray according to your motherboard's form factor (ATX, Micro-ATX, Mini-ITX).
2. Install the I/O shield into the rear opening of the case.
3. Carefully place your motherboard onto the standoffs, aligning the screw holes.
4. Secure the motherboard with the provided screws.

3.3 Power Supply Unit (PSU) Installation

The AeroCool Blade supports bottom-mounted PSUs. Slide your PSU into the dedicated compartment at the bottom rear of the case. Secure it with screws from the rear of the case.

3.4 Storage Drive Installation

- **3.5" HDDs:** Install 3.5" hard drives into the drive cage located beneath the PSU shroud.
- **2.5" SSDs/HDDs:** Install 2.5" drives onto the dedicated mounting points on the motherboard tray or behind it.



Figure 3.2: Rear internal view, highlighting cable management routes and 2.5-inch drive mounting locations.

3.5 Expansion Card (GPU) Installation

Remove the necessary expansion slot covers from the rear of the case. Insert your graphics card or other expansion cards into the PCIe slots on your motherboard and secure them with screws.

3.6 Fan and Cooling Installation

The case comes with one 120mm RGB fan pre-installed at the rear and three 120mm fans pre-installed at the front. Ensure all fan cables are connected to appropriate headers on your motherboard or fan controller.



Figure 3.3: A 120mm RGB fan, similar to those pre-installed in the AeroCool Blade case.

3.7 Front Panel I/O Connections

Connect the front panel cables (USB 3.0, USB 2.0, HD Audio, Power Switch, Reset Switch, LED Switch, Power LED, HDD LED) to the corresponding headers on your motherboard. Refer to your motherboard manual for exact pin configurations.

4. OPERATING INSTRUCTIONS

4.1 Powering On

Once all components are installed and connected, replace the side panel. Connect your monitor, keyboard, mouse, and power cable to the PSU. Press the Power button located on the top panel of the case to turn on your system.





Figure 4.1: Top-front view of the case, indicating the location of the power button and front I/O ports.

4.2 RGB Lighting Control

The AeroCool Blade features an RGB front panel. Use the dedicated LED button on the top panel to cycle through various preset lighting modes and effects. Pressing the button will change the lighting pattern or color.





Figure 4.2: Front view of the AeroCool Blade case with its distinctive RGB lighting.

4.3 Front Panel Ports

The top panel provides convenient access to:

- 1 x USB 3.0 port
- 2 x USB 2.0 ports
- HD Audio output
- Microphone input

Connect your USB devices, headphones, and microphone to these ports as needed.

5. MAINTENANCE

5.1 Dust Filter Cleaning

Regularly check and clean the dust filters to maintain optimal airflow and prevent dust buildup inside the case. Dust filters are typically located at the top, front, and bottom (under the PSU). Gently remove them and clean with compressed air or rinse with water (ensure they are completely dry before re-installation).

5.2 Exterior Cleaning

Wipe the exterior surfaces of the case with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the finish or tempered glass.

6. TROUBLESHOOTING

- **System Does Not Power On:**

Ensure the PSU is switched on and properly connected to the wall outlet. Verify all power cables from the PSU are correctly connected to the motherboard and components. Check the front panel power switch connection to the motherboard.

- **RGB Lighting Not Working:**

Ensure the RGB controller (if applicable) and fan RGB cables are securely connected. Press the LED button on the top panel to cycle through modes. If connected to a motherboard header, check motherboard software settings.

- **Fans Not Spinning:**

Verify that all fan power cables are securely connected to the motherboard fan headers or a fan controller. Check BIOS/UEFI settings for fan speed control.

- **Front Panel USB/Audio Not Working:**

Ensure the USB and HD Audio cables from the front panel are correctly connected to the corresponding headers on your motherboard.

7. SPECIFICATIONS



Figure 7.1: Dimensions of the AeroCool Blade PC Case.

Feature	Specification
Brand	AeroCool
Model Name	BLADEBK
Case Type	Semi-Tower
Motherboard Compatibility	ATX, Micro-ATX, Mini-ITX
Material	Tempered Glass (Side Panel)
Product Dimensions (L x W x H)	43.1 x 20.3 x 35.7 cm

Item Weight	4 kg
Drive Bays	2 x 3.5", 2 x 2.5"
GPU Clearance	Up to 307mm
CPU Cooler Height	Up to 155mm
Front I/O Ports	1 x USB 3.0, 2 x USB 2.0, HD Audio, Mic, LED Control, Power
Pre-installed Fans	1 x 120mm RGB Rear, 3 x 120mm Front
Cooling Method	Air

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official AeroCool website or contact your local retailer. Keep your proof of purchase for warranty claims.

Contact Information: For further assistance, please visit www.aerocool.io.