

Redragon CA606

Redragon CA606 ATX Gaming PC Case Instruction Manual

Model: CA606 | Brand: Redragon

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Redragon CA606 ATX Gaming Back-Mounted PC Case. Please read this manual carefully before beginning your PC build to ensure proper assembly and optimal performance. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The Redragon CA606 is an ATX mid-tower PC case designed for gaming enthusiasts, featuring a back-mounted motherboard tray for unique aesthetics and improved cable management. It offers a 270-degree panoramic view through tempered glass panels and supports high-airflow configurations.



Image 2.1: Front view of the Redragon CA606 PC case showcasing its tempered glass panels and internal components with RGB lighting.

Key Features:

- **Back-Mounted Design:** Unique motherboard mounting for enhanced aesthetics and cable routing.
- **270° Panoramic View:** Full tempered glass panels provide an unobstructed view of your build.
- **High Airflow:** Perforated panels and support for up to 9 fans ensure efficient cooling.
- **Tool-Free Access:** Snap-on panels for quick and easy component installation and maintenance.
- **Extensive Compatibility:** Supports ATX, Micro-ATX, and ITX motherboards, large GPUs, and liquid cooling solutions.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Redragon CA606 ATX PC Case
- 3 x 120mm Pre-installed Fans
- Accessory Box (Screws, zip ties, standoffs, etc.)
- User Manual (This document)

4. SPECIFICATIONS

Feature	Specification
Model Name	CA606 (CA-606B-2F)
Case Type	Mid Tower
Motherboard Support	ATX, Micro-ATX, ITX
Dimensions (L x W x H)	17 x 8.6 x 16.3 inches (43.2 x 21.8 x 41.4 cm)
GPU Length Clearance	Up to 400mm (15.74")
CPU Cooler Height Clearance	Up to 165mm (6.49")
PSU Length Clearance	Up to 200mm (7.87")
Liquid Cooler Support	Top: Up to 360mm (9.84")
Fan Support	Max 9 x 120mm fans (Top 3, Side 3, Bottom 3)
Pre-installed Fans	3 x 120mm (500-1800RPM \pm 10%)
Drive Bays	1 x HDD/SSD cage (specific configuration may vary)
Front I/O Ports	2 x USB 3.0, 1 x USB 2.0, Headphone & Mic Combo Jack, Power Button, Reset Button
Material	Tempered Glass, Steel
Item Weight	14.82 pounds (6.72 kg)

STANDARD Mid-Tower COMPATIBILITY

FOR ATX, MICRO ATX, MICRO-ATX Motherboard



Image 4.1: Internal compatibility diagram for CPU cooler height (max 165mm), GPU length (max 400mm), and PSU length (max 200mm).

5. SETUP AND INSTALLATION GUIDE

Follow these steps for assembling your PC components within the Redragon CA606 case.

5.1 Preparing the Case

1. **Unpack the Case:** Carefully remove the case from its packaging.
2. **Remove Side Panels:** The tempered glass side panels are designed for tool-free removal. Gently unlatch or slide them off as indicated by the case design.
3. **Accessory Box:** Locate the accessory box inside the case, which contains screws, standoffs, and cable ties.

TOOL-FREE DIY PC BUILD

SNAP AND GO, BUILD WITH EASE



Image 5.1: The Redragon CA606 case with its side panels detached, illustrating the tool-free access mechanism for easy component installation.

5.2 Motherboard Installation

1. **Install Standoffs:** Ensure the correct standoffs are installed for your motherboard form factor (ATX, Micro-ATX, ITX). Adjust if necessary.
2. **Mount Motherboard:** Carefully place your motherboard onto the standoffs, aligning the screw holes. Secure it with the provided screws.

5.3 Power Supply Unit (PSU) Installation

1. **Position PSU:** The PSU mounts at the bottom rear of the case. Slide the PSU into its designated bay.
2. **Secure PSU:** Fasten the PSU to the case using screws from the rear.
3. **Cable Management:** Route necessary power cables through the cutouts to the motherboard tray area.

5.4 Storage Device Installation

The case includes a drive cage for storage. Utilize M.2 SSDs on your motherboard where possible to simplify cable management.



Image 5.2: Illustration of SSD and HDD mounting points located behind the motherboard tray for discreet storage installation.

5.5 Graphics Processing Unit (GPU) Installation

1. **Remove PCIe Slot Covers:** Remove the necessary expansion slot covers at the rear of the case. Note that these are twist-and-tear type covers.
2. **Insert GPU:** Carefully insert your GPU into the primary PCIe slot on the motherboard.
3. **Secure GPU:** Fasten the GPU to the case using screws.

5.6 Cooling System (Fans & Radiators)

The CA606 supports various cooling configurations for optimal thermal performance.

SUPERIOR COOLING EFFICIENCY

PEAK PERFORMANCE, SILENT OPERATION

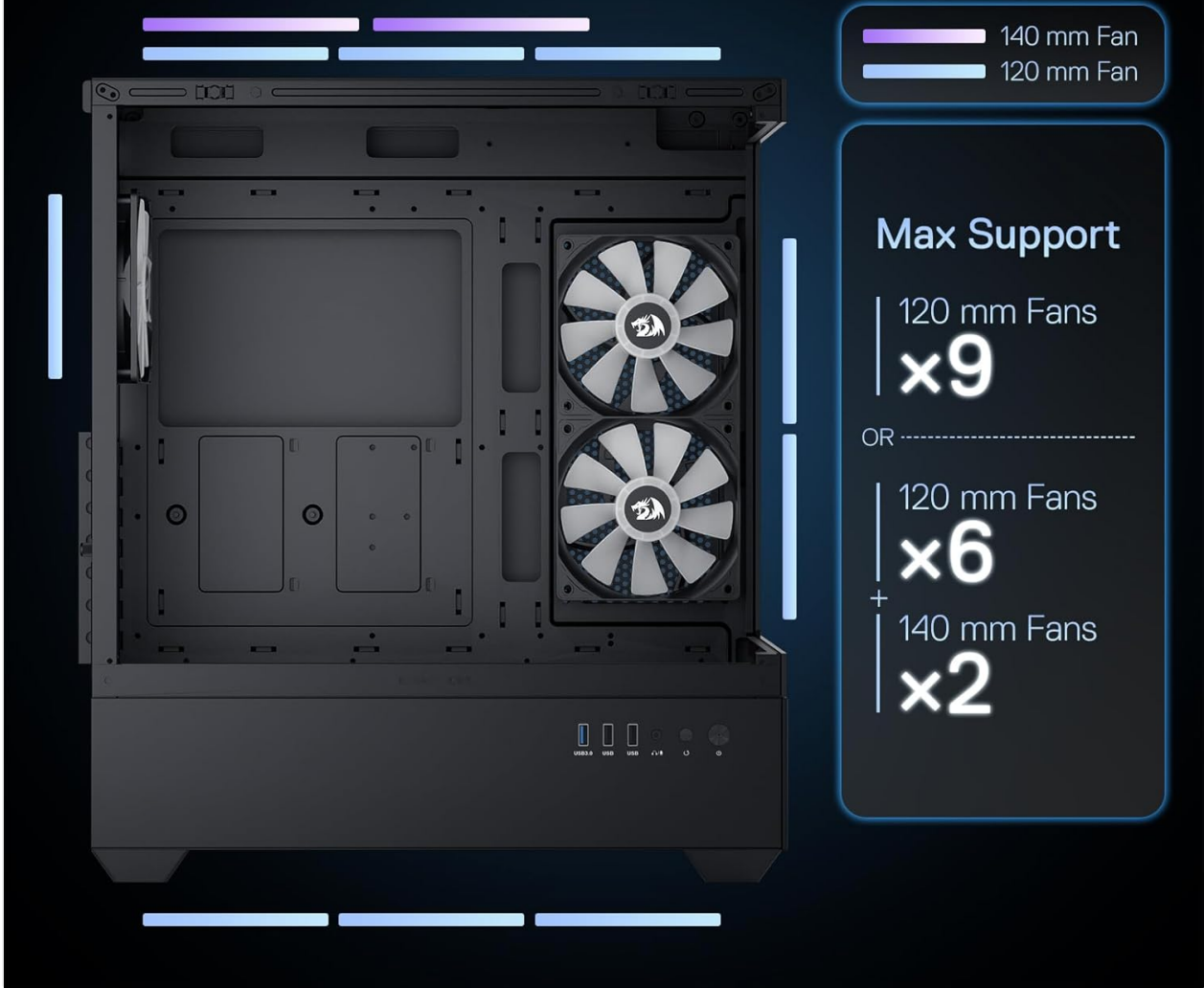


Image 5.3: Cooling support diagram indicating maximum fan configurations (9x 120mm or 6x 120mm + 2x 140mm) and radiator placement.



Image 5.4: Airflow diagram demonstrating the advanced airflow design with intake from the side and bottom, and exhaust from the top and rear.

- **Pre-installed Fans:** The case comes with 3 x 120mm fans. Connect their power and RGB cables to your motherboard or fan controller.
- **Additional Fans:** Install additional 120mm or 140mm fans as desired for improved airflow.
- **Liquid Cooling:** A 360mm liquid cooler can be mounted at the top. Ensure RAM clearance before installation.

5.7 Connecting Front I/O Ports

Connect the front panel cables to the corresponding headers on your motherboard. Refer to your motherboard manual for exact pin layouts.

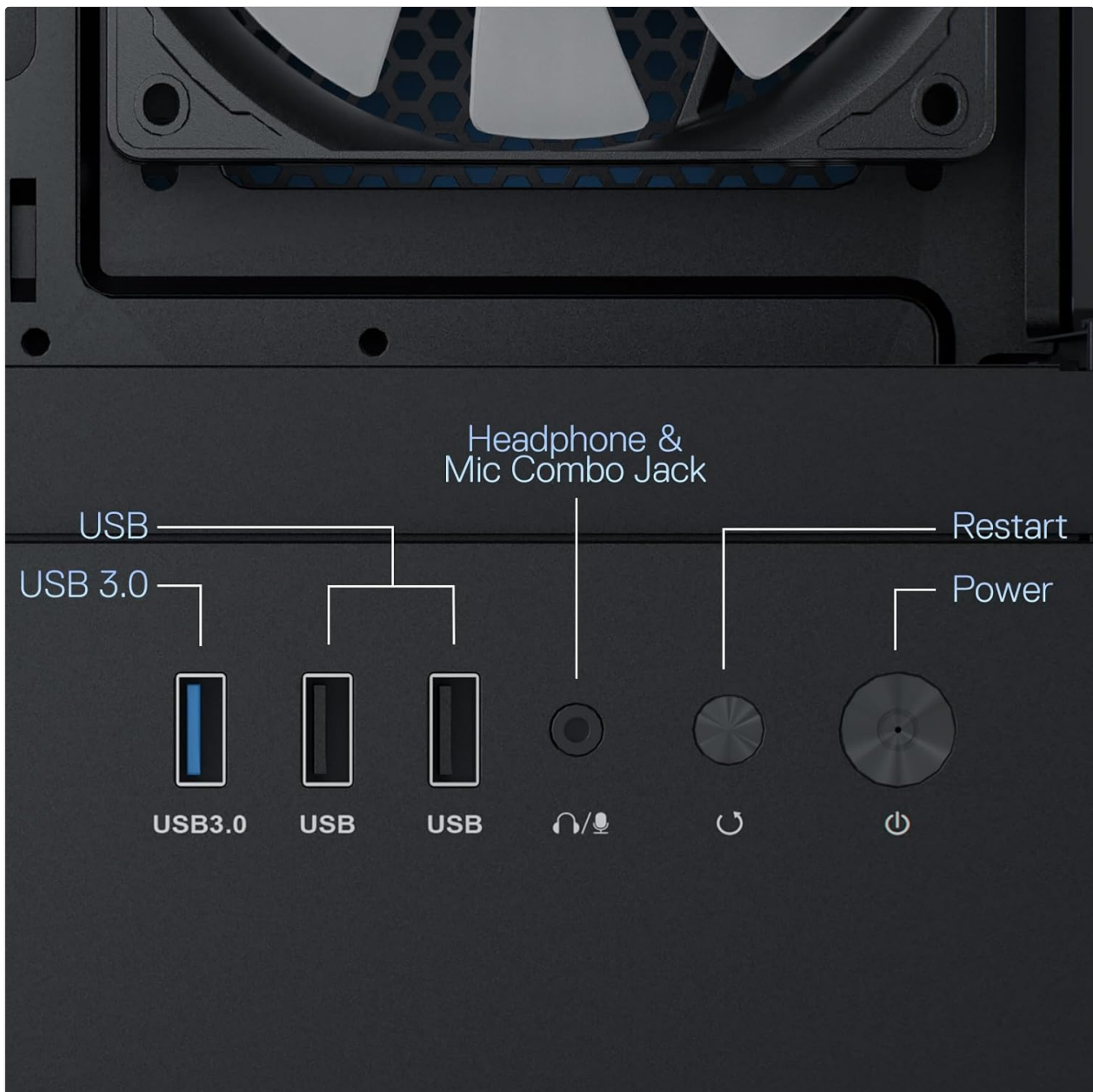


Image 5.5: Detailed view of the front I/O panel, including USB 3.0 ports, standard USB ports, headphone/microphone combo jack, restart button, and power button.

- **USB 3.0:** Connect the USB 3.0 cable to the motherboard's USB 3.0 header.
- **USB 2.0:** Connect the USB 2.0 cable to the motherboard's USB 2.0 header.
- **Audio:** Connect the HD Audio cable to the motherboard's audio header.
- **Power/Reset/LEDs:** Connect the individual power switch, reset switch, and LED cables to the front panel headers.

6. OPERATING INSTRUCTIONS

Once all components are installed and cables are connected, you can power on your system.

1. **Connect Peripherals:** Connect your monitor, keyboard, mouse, and other peripherals to the rear I/O ports of your motherboard.
2. **Connect Power:** Plug the power cable into your PSU and then into a wall outlet.
3. **Power On:** Press the power button on the front I/O panel of the case.

The pre-installed fans will operate automatically. If your fans have RGB lighting, you may need to install

software provided by your motherboard manufacturer or a dedicated RGB controller to customize lighting effects.

7. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your PC components.

7.1 Dust Filter Cleaning

The Redragon CA606 features magnetic dust filters on the top panel. These filters help prevent dust buildup inside the case.

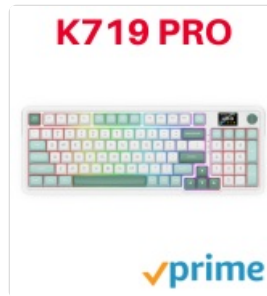


Image 7.1: Close-up view of the 0.8mm density magnetic dust filter, designed to prevent dust ingress while maintaining airflow.

1. **Frequency:** Clean dust filters every 1-3 months, or more frequently in dusty environments.
2. **Removal:** Gently lift the magnetic dust filters from the top of the case.
3. **Cleaning:** Use compressed air or a soft brush to remove accumulated dust. You may also rinse them with water and allow them to dry completely before reattaching.

7.2 Interior Cleaning

Periodically clean the interior of your PC case to remove dust from components.

- **Power Off:** Always power down and unplug your PC before cleaning.
- **Compressed Air:** Use compressed air to blow dust off fans, heatsinks, and other components. Hold fans to prevent them from spinning rapidly.
- **Wipe Surfaces:** Use a microfiber cloth to gently wipe down interior surfaces.

8. TROUBLESHOOTING

If you encounter issues during or after assembly, consider the following common troubleshooting steps:

- **No Power:** Ensure the PSU is switched on, the power cable is securely connected, and all front panel power connectors are correctly attached to the motherboard.
- **No Display:** Verify that your monitor is connected to the graphics card (not the motherboard's integrated graphics, unless you are using it) and that the GPU is properly seated and powered.
- **Fans Not Spinning:** Check fan connections to the motherboard or fan controller. Ensure power cables are properly seated.
- **Overheating:** Confirm all fans are installed in the correct orientation for optimal airflow (refer to Image 5.4). Ensure CPU cooler and GPU fans are functioning. Clean dust filters and internal components.
- **Loose Connections:** Double-check all power cables (24-pin ATX, 8-pin CPU, PCIe power) and data cables (SATA) for secure connections.

For more complex issues, consult your component manuals or seek professional assistance.

9. WARRANTY AND SUPPORT

Redragon products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Redragon website. For technical support or service inquiries, please contact Redragon customer service through their official channels.

Redragon Official Website: www.redragonzone.com