Redragon GC-606WH

Redragon Wheeljack GC-606WH ATX Mid Tower PC Case User Manual

Model: GC-606WH

INTRODUCTION

The Redragon Wheeljack GC-606WH is an ATX mid-tower PC case designed to house your computer components with a focus on airflow and aesthetic appeal. This manual provides essential information for the proper setup, operation, and maintenance of your PC case.

Image: Redragon Wheeljack GC-606WH ATX Mid Tower PC Case. This image shows the white case with its tempered

Key features of the Redragon Wheeljack GC-606WH include:

- **Spaced Front Panel Design:** Engineered for improved airflow to internal components.
- **Tempered Glass Side Window:** Provides a clear view of your internal PC build.
- **Integrated Dust Filters:** Located on the front, top, and bottom to prevent dust accumulation.
- **PSU Cover:** Facilitates clean cable management and a tidy interior.

SETUP AND COMPONENT INSTALLATION

Follow these steps for proper installation of your computer components into the Redragon Wheeljack GC-606WH case.

1. Unpacking and Preparation

1. Carefully remove the PC case from its packaging.
2. Place the case on a stable, flat surface.
3. Remove the tempered glass side panel by unscrewing the thumb screws (if present) or releasing the latch mechanism. Set the panel aside on a soft, non-abrasive surface to prevent scratches.

2. Motherboard Installation

The GC-606WH supports Mini-ITX, Micro-ATX, and ATX motherboards.

1. Install the I/O shield that came with your motherboard into the designated opening at the rear of the case.
2. Align your motherboard with the standoffs inside the case. Ensure all screw holes on the motherboard match the standoffs.
3. Secure the motherboard using the provided screws. Do not overtighten.

3. Storage Drive Installation

The case supports 2x 2.5" drives and 2x 3.5" drives.

- **2.5" Drives (SSDs):** Locate the 2.5" drive mounts, typically on the back of the motherboard tray or dedicated brackets. Secure your SSDs with screws.
- **3.5" Drives (HDDs):** Locate the 3.5" drive cage, usually near the PSU shroud. Slide your HDDs into the trays/slots and secure them, often with tool-less clips or screws.

4. Power Supply Unit (PSU) Installation

The PSU mounts at the bottom of the case, under the PSU cover.

1. Slide your power supply into the designated compartment from the rear of the case.
2. Align the PSU with the screw holes at the back of the case.
3. Secure the PSU with screws.

5. PCI Expansion Card Installation

The case features 7 horizontal PCI expansion slots.

1. Remove the necessary slot covers from the rear of the case.

2. Insert your graphics card or other expansion cards into the appropriate PCI-E slots on your motherboard.

3. Secure the cards with screws.

6. Cooling System Installation

The case supports various fan and radiator configurations:

- **Fan Support:**

    - Top: 2x 120mm fans

    - Front: 3x 120mm fans

    - Rear: 1x 120mm fan

    Note: This product does not include pre-installed fans. Fans must be purchased separately.

- **Watercooler (Radiator) Support:**

    - Front: Up to 240mm radiator

    - Rear: 120mm radiator

    - Top: Not supported for radiators.

- **Maximum CPU Air Cooler Height:** 160mm

Install fans and radiators according to your cooling needs, ensuring proper airflow direction (intake/exhaust).

7. Front Panel Connections

Connect the front panel cables to your motherboard. Refer to your motherboard manual for specific pin layouts.

- 1x USB 3.0
- 2x USB 2.0
- 1x 3.5mm Audio Jack
- 1x 3.5mm Microphone Jack
- Power Button, Reset Button, Power LED, HDD LED (standard motherboard headers)

8. Cable Management

Utilize the space behind the motherboard tray and the PSU cover to route and secure cables. This improves airflow and the aesthetic of your build.

OPERATION

Once all components are installed and connected, replace the tempered glass side panel and secure it. Your Redragon Wheeljack GC-606WH case is now ready for operation.

- **Power Button:** Press to turn on or off your computer.
- **Reset Button:** Press to restart your computer.
- **USB Ports:** Use the front panel USB 3.0 and USB 2.0 ports for connecting peripherals and external storage devices.
- **Audio Jacks:** Connect headphones, speakers, or a microphone to the front panel 3.5mm audio and microphone jacks.

MAINTENANCE

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

- **Dust Filters:** The case includes dust filters on the front, top, and bottom. Periodically remove and clean these filters to maintain good airflow and prevent dust buildup inside the case. They can typically be cleaned with compressed air or by rinsing with water (ensure they are completely dry before reinstallation).
- **Tempered Glass Panels:** Clean the tempered glass side panel and front panel (if applicable) with a soft, lint-free cloth and a glass cleaner designed for electronics. Avoid abrasive materials that could scratch the glass.
- **Interior Cleaning:** Use compressed air to remove dust from internal components and fan blades. Ensure the system is powered off and unplugged before cleaning.

TROUBLESHOOTING

If you encounter issues, consider the following common troubleshooting steps:

- **PC Not Powering On:**

  - Ensure the power supply is switched on and properly connected to the wall outlet.
  - Verify all power cables (24-pin ATX, 8-pin CPU, GPU power) are securely connected to the motherboard and components.
  - Check that the front panel power button cable is correctly connected to the motherboard's front panel header.

- **Poor Airflow or Overheating:**

  - Clean all dust filters and internal fans.
  - Ensure fans are installed with the correct airflow direction (intake for front/bottom, exhaust for rear/top).
  - Verify that no cables are obstructing airflow paths.

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

  - Check that the USB and audio cables from the front panel are securely connected to the correct headers on your motherboard.
  - Ensure motherboard drivers are installed correctly.

SPECIFICATIONS

Feature	Detail
Model Name	Redragon Wheeljack GC-606WH
Case Type	Mid Tower
Materials	Steel, ABS Plastic, Tempered Glass
Color	White
Motherboard Support	Mini-ITX, Micro-ATX, ATX

PCI Expansion Slots	7 Horizontal
Drive Bays	2x 2.5", 2x 3.5"
Front Panel I/O	1x USB 3.0, 2x USB 2.0, 1x 3.5mm Audio, 1x 3.5mm Microphone
Fan Support (Top)	2x 120mm
Fan Support (Front)	3x 120mm
Fan Support (Rear)	1x 120mm
Watercooler Support (Front)	Up to 240mm Radiator
Watercooler Support (Rear)	120mm Radiator
Max CPU Air Cooler Height	160mm
Product Dimensions (L x W x H)	31.5 x 23.62 x 7.87 inches
Item Weight	14.99 pounds (approx. 6.8 kg)

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your purchase or visit the official Redragon website. Redragon provides customer support for product inquiries and technical assistance.

Official Redragon Website: www.redragonusa.com

Please retain your proof of purchase for warranty claims.