

GameMax GMX-N80-WH

GameMax N80 PC Case User Manual

Model: GMX-N80-WH

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your GameMax N80 WHT Curved Tempered Glass ATX PC Computer Case. Designed for optimal performance and aesthetic appeal, the N80 features a unique dual-compartment layout and advanced cooling capabilities. Please read this manual thoroughly before beginning assembly.

2. PRODUCT OVERVIEW

The GameMax N80 is a state-of-the-art PC case engineered for enthusiasts and gamers. Key features include:

- **Stylish Curved Tempered Glass Panel:** Provides an expansive and unobstructed view of internal components.
- **Dual Chamber Design:** Separates the PSU and HDD from the main compartment for optimized space and improved thermal management.
- **High Performance Cooling:** Equipped with six pre-installed PWM ARGB fans and support for up to nine fans, including 360mm radiator compatibility.
- **BTF Motherboard Support:** Compatible with ATX, Micro-ATX, Mini ITX, and ASUS BTF Series Motherboards for clean cable management.
- **Front I/O:** Includes USB 3.0 and Type-C GEN2 connections for modern connectivity.



Figure 2.1: Fully assembled GameMax N80 PC Case showcasing its internal layout and ARGB fans.

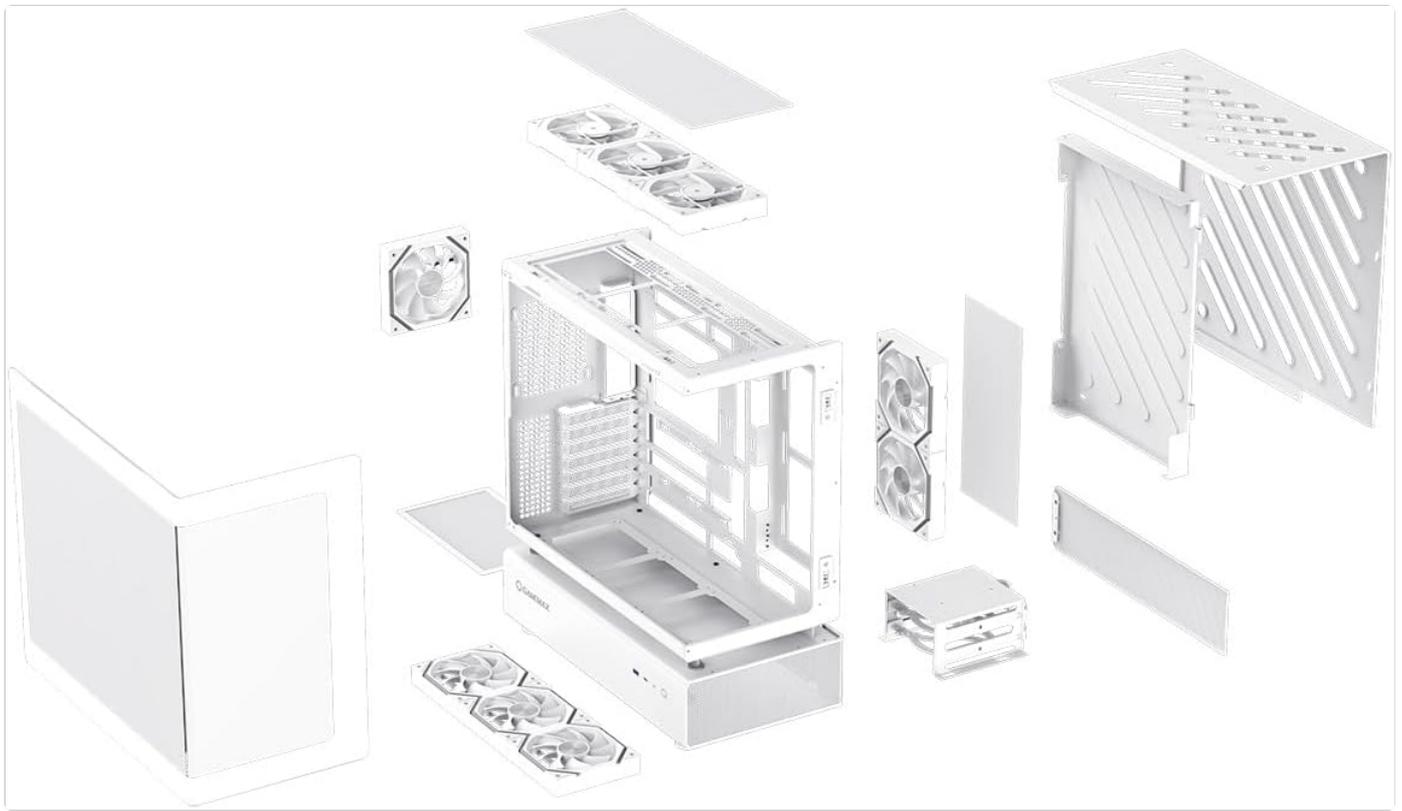


Figure 2.2: Exploded diagram illustrating the various components of the GameMax N80 PC Case, including panels, frame, and fan mounts.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of your PC components into the GameMax N80 case.

- 1. Unboxing and Preparation:** Carefully remove the case from its packaging. Place it on a stable, flat surface. Remove the tempered glass panel by unscrewing the thumb screws, if applicable, or by releasing latches.
- 2. Motherboard Installation:** Install the necessary standoffs for your motherboard form factor (ATX, Micro-ATX, Mini ITX). Carefully align your motherboard with the standoffs and I/O shield, then secure it with screws.
- 3. Power Supply Unit (PSU) Installation:** Locate the PSU compartment in the dual-chamber design. Slide the PSU into place and secure it with screws from the rear of the case.
- 4. Storage Drive Installation:** Install 2.5" SSDs and 3.5" HDDs into their designated bays. The N80 supports 2 x 2.5" SSDs and 2 x 3.5" HDDs. Secure them with the provided screws or tool-less mechanisms.
- 5. Graphics Card (GPU) and Expansion Card Installation:** Remove the necessary PCIe slot covers. Insert your graphics card or other expansion cards into the motherboard's PCIe slots and secure them with screws. The case supports GPUs up to 41.5 cm in length.
- 6. Cable Management:** Utilize the ample cable management space and routing options provided by the dual-chamber design to neatly route all power and data cables. This improves airflow and aesthetics.
- 7. Front Panel Connections:** Connect the front panel I/O cables (USB 3.0, Type-C GEN2, audio, power, reset, LED) to the corresponding headers on your motherboard.
- 8. Fan and Radiator Configuration:** The case comes with six pre-installed ARGB PWM fans. Ensure all fan cables are connected to the included 10-port fan controller and then to your motherboard's fan headers for control. If installing additional fans or radiators, refer to the case's mounting points (up to nine fans, 360mm radiators at top and bottom).
- 9. Final Assembly:** Once all components are installed and cables are managed, reattach the tempered glass panel and any other removed panels.

4. OPERATING INSTRUCTIONS

After successful assembly, your GameMax N80 PC case is ready for operation.

- **Power On/Off:** Press the power button located on the front I/O panel to turn your system on or off.
- **ARGB Lighting Control:** The pre-installed ARGB fans can be controlled via the included fan controller and remote, or through compatible motherboard software if connected to an ARGB header. Refer to your motherboard's manual for software-based control.
- **USB Ports:** Utilize the USB 3.0 and Type-C GEN2 ports on the front panel for connecting peripherals and external devices.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your PC case.

- **Dust Filter Cleaning:** The N80 includes dust filters. Periodically remove and clean these filters to prevent dust buildup and maintain optimal airflow. Use compressed air or a soft brush.
- **Exterior Cleaning:** Wipe the exterior surfaces, including the tempered glass panel, with a soft, damp cloth. Avoid abrasive cleaners that may scratch the finish.
- **Internal Dust Removal:** Every few months, open the case and use compressed air to gently remove dust from internal components and fans. Ensure the system is powered off and unplugged before performing internal cleaning.

6. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
System does not power on.	Loose power connections, faulty PSU, incorrect front panel wiring.	Check all power cables (24-pin, CPU, GPU) are securely connected. Verify PSU switch is ON. Recheck front panel power button wiring to motherboard.
Fans are not spinning or ARGB lights are off.	Fan cables disconnected, fan controller issue, no power to controller.	Ensure fans are connected to the fan controller and the controller is powered. Check ARGB headers on motherboard if using software control.
Components do not fit.	Incorrect component size, improper alignment.	Verify component dimensions against case specifications (e.g., GPU length max 41.5cm, CPU cooler height max 17.5cm). Re-align components carefully.

7. SPECIFICATIONS

Feature	Detail
Model Name	N80
Model Number	GMX-N80-WH
Dimensions (LxWxH)	17.32 x 9.29 x 20.59 inches (440 x 236 x 523 mm)
Weight	24.2 pounds (11 kg)

Feature	Detail
Material	Tempered Glass, Steel
Color	White
Motherboard Support	ATX, Micro-ATX, Mini ITX, ASUS BTF Series
Max GPU Length	41.5 cm
Max CPU Cooler Height	17.5 cm
Storage Bays	2 x 2.5" SSD, 2 x 3.5" HDD
Pre-installed Fans	6 x 120mm ARGB PWM Fans (2 reverse-blade on MB plate, 3 reverse-blade on bottom, 1 rear)
Fan Support	Up to 9 fans total
Radiator Support	Up to 360mm (top, bottom)
Front I/O Ports	1 x USB 3.0, 1 x USB Type-C GEN2

8. WARRANTY AND SUPPORT

GameMax products are designed for reliability and performance. For warranty information and technical support, please refer to the official GameMax website or contact your local retailer.

- **Protection Plans:** Additional protection plans may be available for purchase through authorized retailers.
- **Contact Support:** For specific technical assistance or warranty claims, visit www.gamemaxpc.com or contact their customer service.

