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## GAMEMAX Abyss-TR

# GAMEMAX Abyss-TR Full Tower Gaming Case User Manual

Model: Abyss-TR

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GAMEMAX Abyss-TR Full Tower Gaming Case. Please read this manual thoroughly before beginning installation to ensure proper setup and safe operation.



Figure 1: GAMEMAX Abyss-TR Full Tower Gaming Case. This image displays the front and side view of the gaming case, highlighting the ARGB LED mirror on the front panel and the tempered glass side panel.

**Attention: Tempered glass is fragile. When opening and closing the glass side panel, handle it gently and with care to prevent damage or injury.**

## SETUP AND COMPONENT INSTALLATION

Follow these steps for proper installation of your computer components into the GAMEMAX Abyss-TR case.

## 1. Motherboard and Component Compatibility

The GAMEMAX Abyss-TR case supports various motherboard sizes and component dimensions. Ensure your components fit within the specified limits.

- **Motherboard Support:** E-ATX, ATX, Micro-ATX
- **Maximum VGA Card Length:** Up to 455mm
- **Maximum CPU Cooler Height:** Up to 165mm
- **ATX PSU Length:** Up to 200mm

# Motherboard Support

## E-ATX, ATX, Micro-ATX



Max VGA length  
455mm



Max CPU cooler height  
165mm



HDD x2  
SSD x4

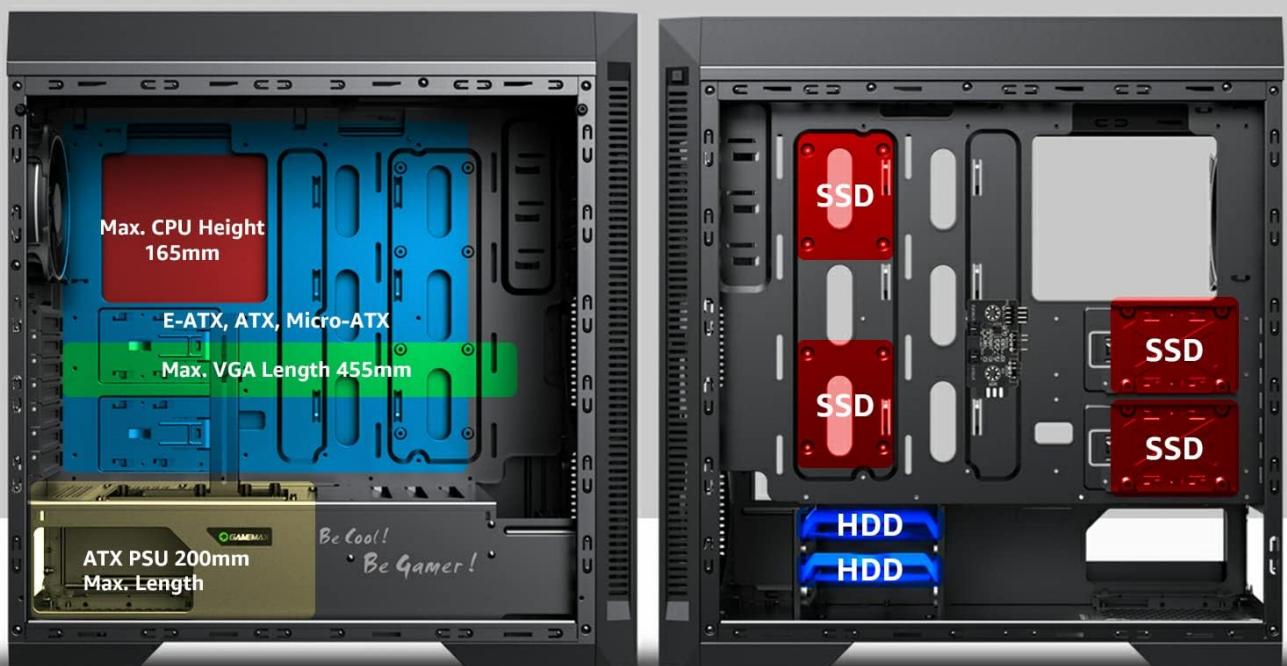


Figure 2: Motherboard and Component Compatibility. This diagram illustrates the maximum dimensions for VGA cards, CPU coolers, and PSU, along with supported motherboard form factors (E-ATX, ATX, Micro-ATX) and drive bay locations (HDD x2, SSD x4).

## 2. Drive Bay Installation

The case provides dedicated bays for storage devices.

- **3.5" HDD Bays:** 2 (Tool-less)
- **2.5" SSD Bays:** 4

Locate the drive bays as indicated in Figure 2 for installation.

### 3. Cooling System Installation

The Abyss-TR case offers extensive cooling options for both air and liquid cooling setups.

- **Pre-installed Fans:**
  - Front: 3x 120mm Fans
  - Rear: 1x 120mm Rainbow Fan
- **Optional Fan Support:**
  - Top: 3x 120mm OR 2x 140mm Fans
- **Water Cooling System Support:**
  - Front: 120/240/360mm radiator
  - Top: 120/140/240/280/360mm radiator
  - Rear: 120mm radiator

# EXTREME COOLING POTENTIAL

Room for multiple radiators, including up to 360mm in front and 280mm in the roof (dependent on RAM height).

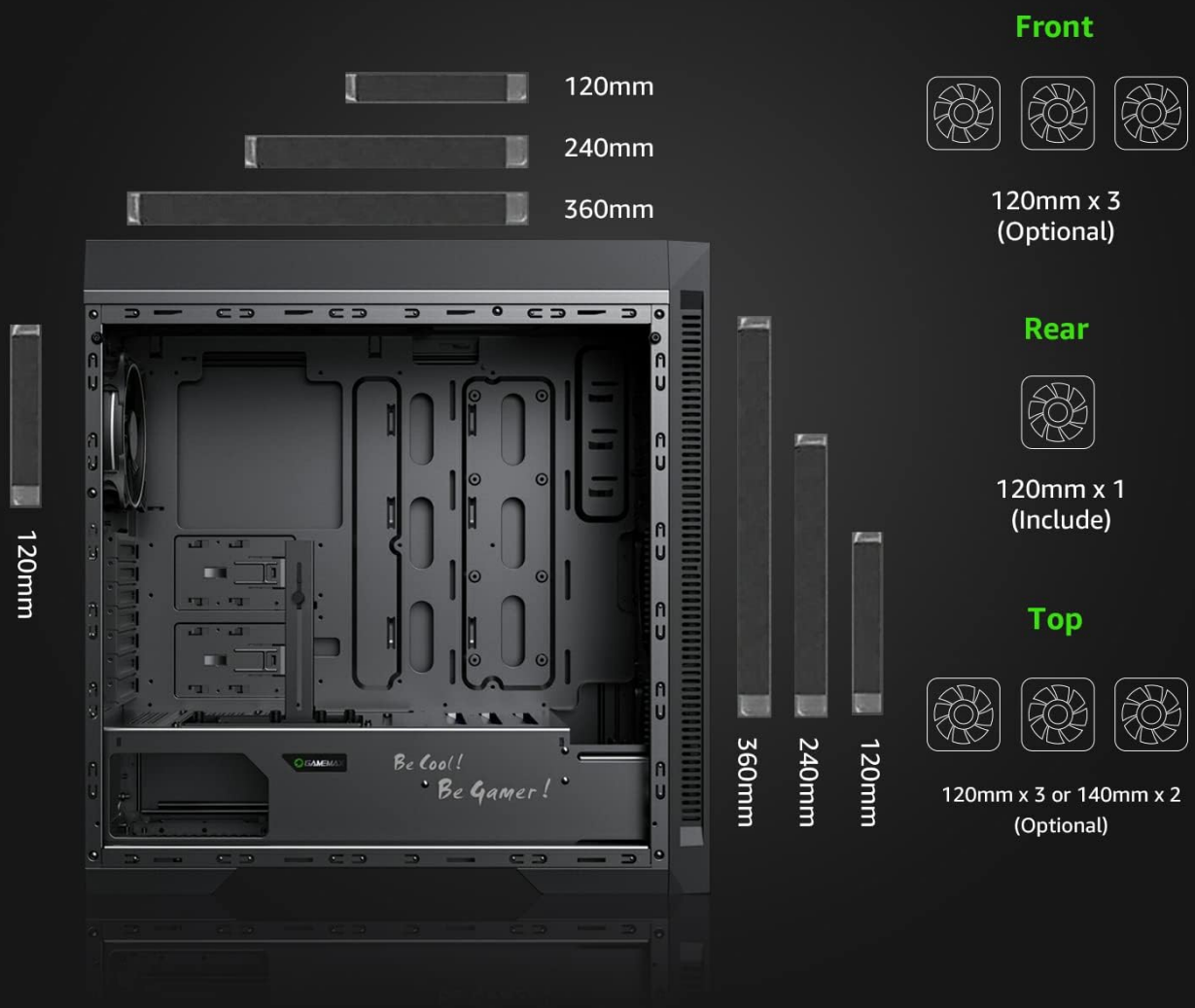
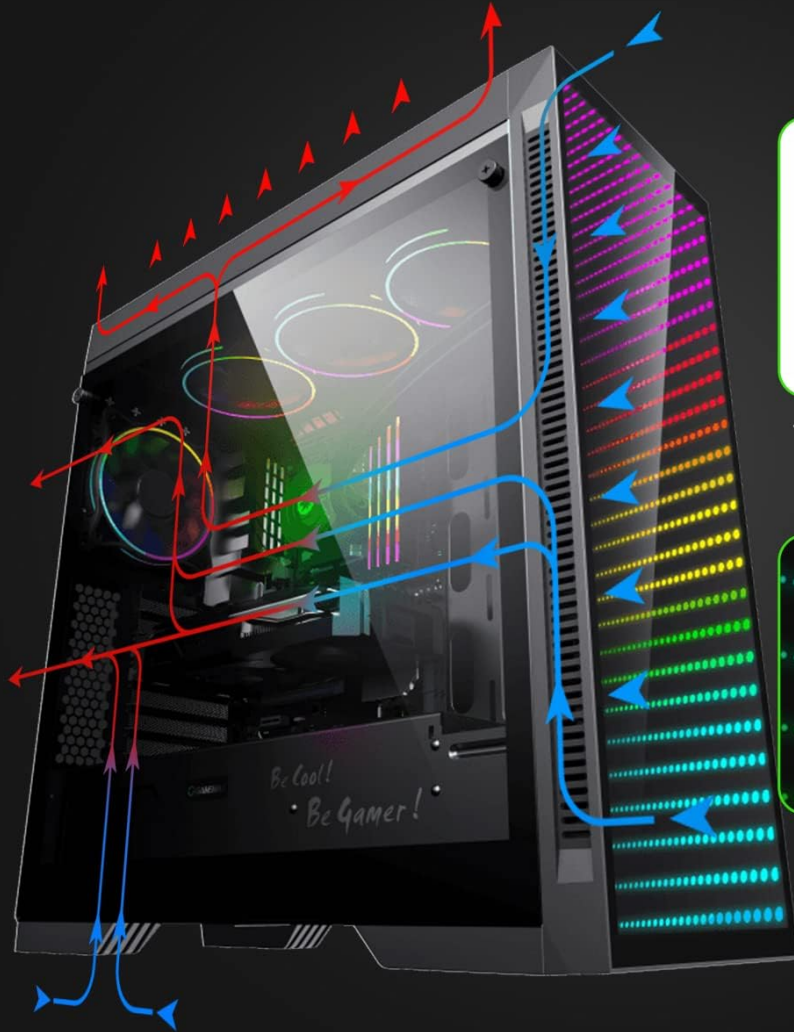


Figure 3: Extreme Cooling Potential. This diagram illustrates the various fan and radiator configurations supported at the front, rear, and top of the case, including sizes for 120mm, 240mm, and 360mm radiators.



# Excellent Heat Dissipation



Top: Magnetic dust filter on the top for dust and heat dissipation



Ventilation design on both side of the panel

Figure 4: Excellent Heat Dissipation. This image demonstrates the airflow path within the case, with cool air intake from the front and bottom, and hot air exhaust from the top and rear. It also highlights the magnetic dust filter on the top and ventilation on the side panel.

Ensure proper airflow by installing fans in appropriate intake and exhaust configurations. The case features ventilation holes on both sides of the panels for enhanced cooling.

## 4. Cable Management

The internal design of the chassis facilitates convenient cable management. Utilize the routing options behind the motherboard tray to keep cables tidy and improve airflow.

## OPERATION

This section details the functionality of the front I/O panel and the integrated ARGB controller.

### 1. Front I/O Panel Functions

The front I/O panel provides easy access to essential controls and ports.

# COMPLETE FUNCTIONAL INTERFACE DESIGN

Meet your daily multi-party needs

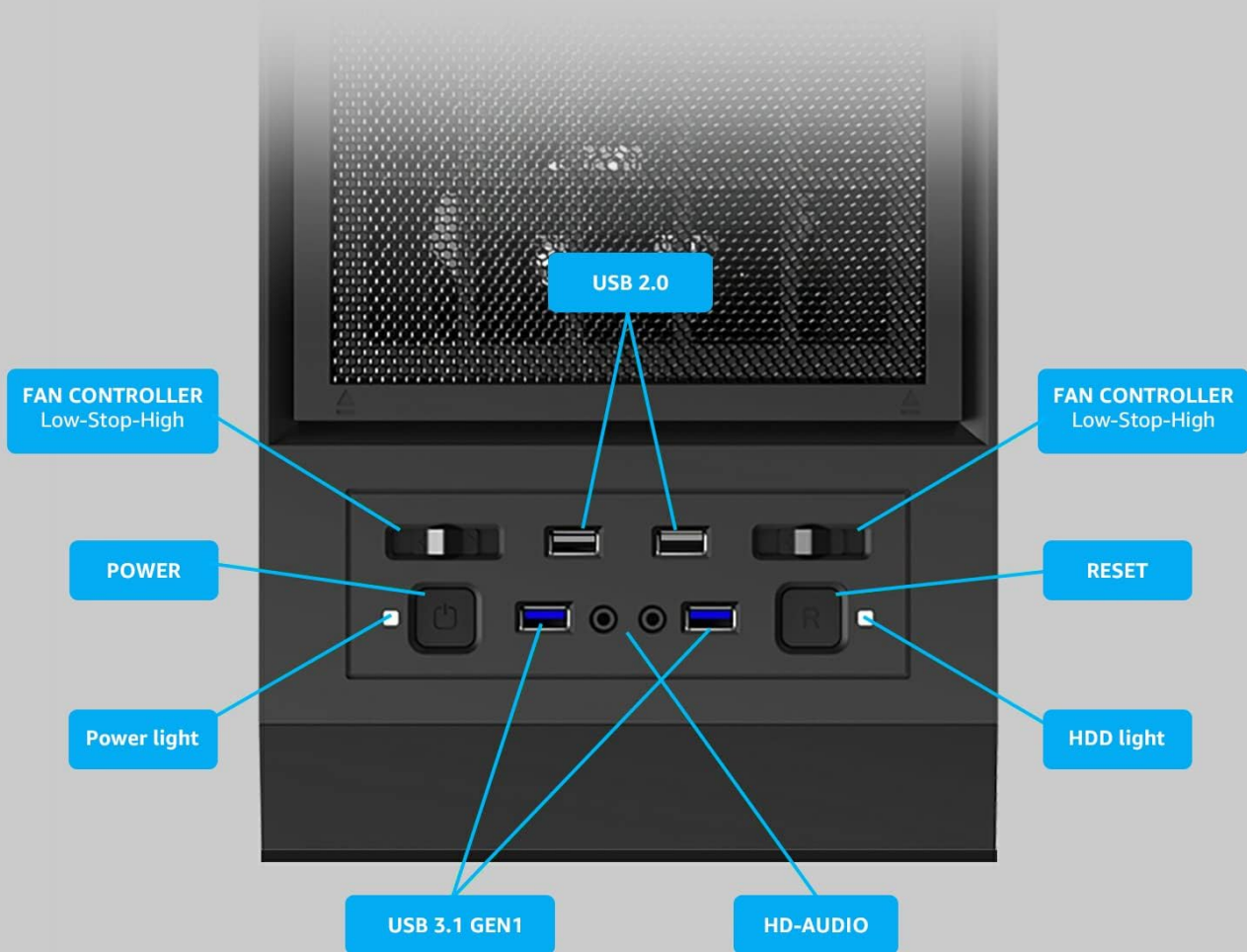


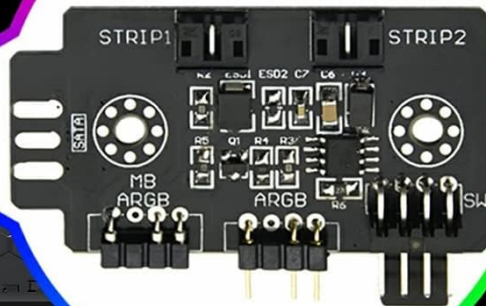
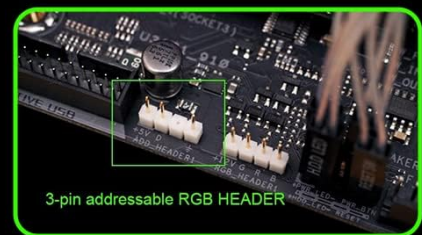
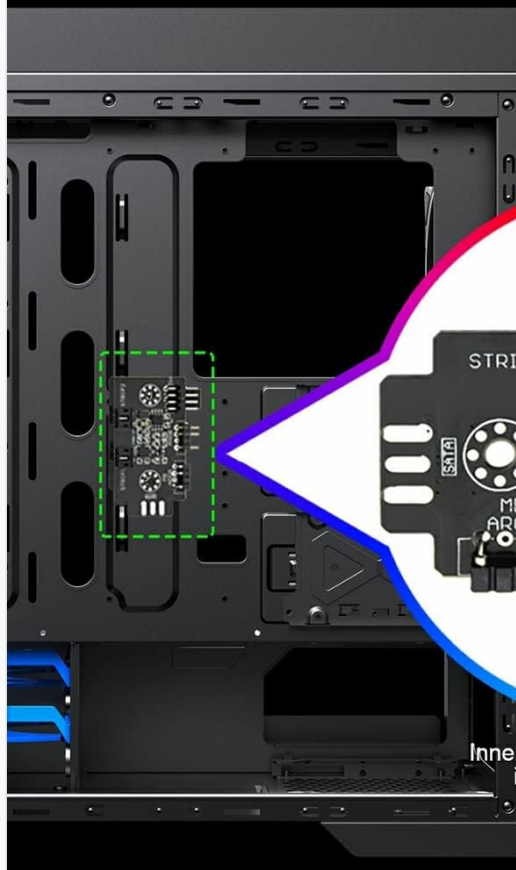
Figure 5: Complete Functional Interface Design. This image labels the various ports and buttons on the top front panel, including Power, Reset, Power light, HDD light, USB 2.0, USB 3.1 GEN1, HD-AUDIO, and two Fan Controllers (Low-Stop-High).

- **Power Button:** Turns the computer on or off.
- **Reset Button:** Restarts the computer.
- **USB 3.0 Ports (x2):** For high-speed data transfer.
- **USB 2.0 Ports (x2):** For standard USB devices.
- **HD Audio Jacks:** For headphone and microphone connections.
- **Fan Controller (Low-Stop-High):** Controls the speed of connected fans.
- **Power Light:** Indicates power status.
- **HDD Light:** Indicates hard drive activity.

## 2. ARGB Controller Hub

The inner chassis includes a V1.7 ARGB Controller Hub for managing lighting effects.

# V1.7 ARGB Controller Hub Support SYNC with MB



Inner chassis comes with controller, including V1.7 ARGB HUB

Figure 6: V1.7 ARGB Controller Hub Support. This image shows the internal ARGB controller hub, highlighting its connections for ARGB strips and fans, and its compatibility with motherboard synchronization technologies like GIGABYTE RGB Fusion, ASUS Aura Sync, and MSI Mystic Light Sync via a 3-pin addressable RGB header.

This hub allows control of fans and LED strips via both manual controls on the panel and synchronization with compatible motherboards (e.g., GIGABYTE RGB Fusion, ASUS Aura Sync, MSI Mystic Light Sync) using a 3-pin addressable RGB header.

## MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your gaming case.

- **Dust Filters:** The case includes dust filters on the bottom and a magnetic dust filter on the top. Regularly clean these filters to prevent dust buildup and maintain efficient airflow.
- **Tempered Glass Panels:** Clean tempered glass panels with a soft, lint-free cloth and a non-abrasive glass cleaner. Avoid harsh chemicals.
- **General Cleaning:** Use compressed air to remove dust from internal components and fan blades. Ensure the system is powered off and unplugged before cleaning.



## TROUBLESHOOTING

This section addresses common issues you might encounter.

- **No Power:**
  - Ensure the power supply unit (PSU) is properly connected to the motherboard and all components.
  - Verify the PSU switch is in the "ON" position.
  - Check all front panel connectors (Power SW, Reset SW, Power LED, HDD LED) are correctly attached to the motherboard headers.
- **Fans Not Spinning / RGB Not Lighting Up:**
  - Confirm that all fans are correctly connected to the motherboard or the integrated fan controller.
  - For RGB lighting, ensure the ARGB controller hub is powered (e.g., via SATA cable) and connected to the motherboard's ARGB header if synchronization is desired.
  - Check the fan controller switch on the front I/O panel.
- **Poor Airflow / Overheating:**
  - Clean all dust filters and internal components.
  - Ensure fans are installed in the correct orientation for optimal intake and exhaust.
  - Verify that no cables are obstructing airflow.
- **Tempered Glass Panel Issues:**
  - If the panel is difficult to open or close, check for obstructions.
  - Handle with extreme care to avoid breakage.

## SPECIFICATIONS

### GAMEMAX Abyss-TR Full Tower Gaming Case Specifications

Feature	Detail
Case Type	Full Tower Gaming Case
Model	Abyss-TR
Chassis Material	0.8mm Mixed, Black Painting Interior
PSU Support	ATX / Bottom Mount
I/O Panel	2x USB 3.0, 2x USB 2.0, HD Audio, Fan Controller
Drive Bays	2x 3.5" HDD, 4x 2.5" SSD
Pre-installed Fans	Front: 3x 120mm, Rear: 1x 120mm Rainbow Fan
Optional Fan Support (Top)	3x 120mm OR 2x 140mm
Water Cooling Support (Front)	120/240/360mm
Water Cooling Support (Top)	120/140/240/280/360mm
Water Cooling Support (Rear)	120mm

Feature	Detail
Max VGA Card Length	Up to 455mm
Max CPU Cooler Height	Up to 165mm
Case Dimensions (D x W x H)	510mm x 232mm x 526mm (20.28 x 8.86 x 20.91 inches)
Item Weight	27 pounds
Material	Tempered Glass
Motherboard Compatibility	SSI EEB, E-ATX, ATX, Micro-ATX



Figure 7: Case Dimensions. This image provides a visual representation of the GAMEMAX Abyss-TR case's height (20.91"), depth (20.28"), and width (8.86").

# WARRANTY AND SUPPORT

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

**Manufacturer:** Sohoo

**Brand:** GAMEMAX

**Model:** Abyss-TR

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## Related Documents - Abyss-TR

	<p><a href="#">GAMEMAX Abyss TR Full Tower Gaming PC Case Installation Guide</a></p> <p>Comprehensive installation guide for the GAMEMAX Abyss TR (M908) full tower gaming PC case, covering specifications, component installation, and cable management.</p>
	<p><a href="#">GAMEMAX Diamond CP PC Case User Manual</a></p> <p>User manual for the GAMEMAX Diamond CP PC case, covering specifications, installation of components like PSU, motherboard, VGA card, storage, fans, and liquid cooling, along with an introduction to the COC (Cooling &amp; Overclocking) system and connectivity options.</p>
	<p><a href="#">GameMax F35 MATX Gaming Case User Manual and Installation Guide</a></p> <p>Comprehensive user manual and installation guide for the GameMax F35 MATX gaming PC case. Details package contents, connectors, exploded view, installation steps, cooling system support, and PWM ARGB Hub functionality.</p>
	<p><a href="#">GAMEMAX Diamond CP PC Case User Manual and Installation Guide</a></p> <p>Comprehensive guide for the GAMEMAX Diamond CP PC Case. Features detailed specifications, step-by-step installation instructions for all components (motherboard, PSU, storage, cooling), I/O port layout, and an explanation of the innovative COC System for enhanced thermal performance. Includes an exploded view and fan/LED connection details.</p>
	<p><a href="#">GAMEMAX Draco XD Mid-Tower Gaming Case User Manual and Specifications</a></p> <p>Comprehensive user manual and technical specifications for the GAMEMAX Draco XD Mid-Tower Gaming Case, covering features, installation guides, accessory contents, and compliance information.</p>
	<p><a href="#">GAMEMAX Black Hole Mid-Tower Gaming Case - User Manual and Specifications</a></p> <p>Detailed specifications, features, and installation guide for the GAMEMAX Black Hole Mid-Tower Gaming Case. Includes accessory contents, I/O panel details, and component installation instructions.</p>

