

CRYSTAL CGM

CASE



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ARDOR GAMING Crystal CGM Minicase

User Manual

Dear Customer,

Thank you for your trust!

Our team fully shares your passion for computer games, which is why we put all our efforts into making your gaming experience unforgettable with our accessories for gamers. Wishing you new victories and the brightest impressions ahead!

Intended Use

The case is designed to protect PC components from external factors and mechanical damage, as well as to maintain optimal thermal conditions.

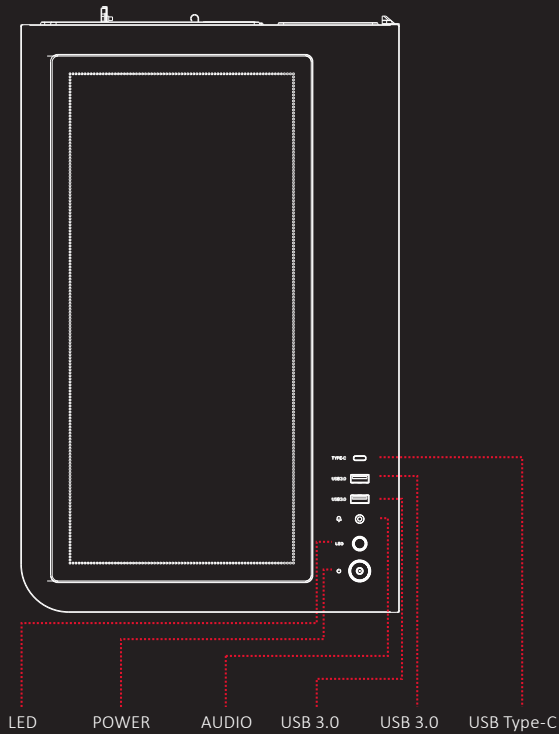
Safety Precautions

- Do not make any modifications to the case construction.
- The case is not intended for commercial use.
- The case is not intended for use by children or persons with limited physical, sensory, or mental capabilities, unless they are supervised by a person responsible for their safety. Do not allow children to play with the case.
- Prevent liquid from splashing onto the case. Do not touch the case with wet hands.

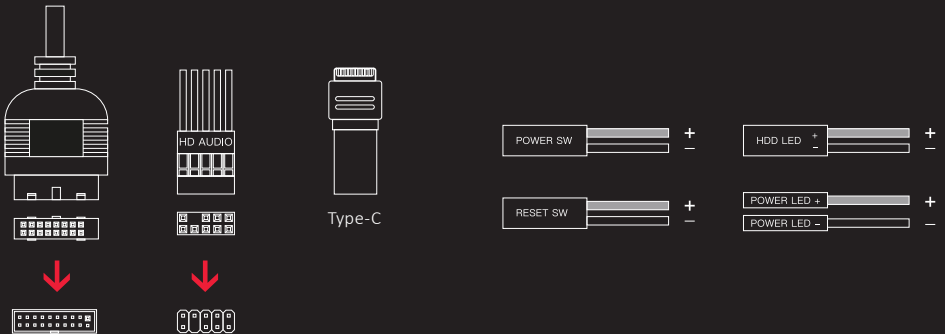
Specifications

- Model: Crystal CGM
- Trademark: ARDOR GAMING
- Form factor: Mini-Tower
- Fan controller: ARGB hub-A with PWM
- PSU form factor: ATX
- Supported motherboards:
 - mATX
 - ITX
- Side AIO radiator support:
 - 240 mm
 - 280 mm
- Top AIO radiator support:
 - 240 mm
 - 280 mm
 - 360 mm
- Rear AIO radiator support: 120 mm
- Side fan support:
 - 2 × 140 mm
 - 2 × 120 mm
- Top fan support:
 - 2 × 140 mm
 - 3 × 120 mm
- Rear fan support: 1 × 120 mm
- Bottom fan support:
 - 2 × 140 mm
 - 3 × 120 mm
- Included fans:
 - Side: 2 × 120 mm
 - Rear: 1 × 120 mm
- Dust filter support: Bottom, top, and right panels
- Max. CPU cooler height: 155 mm
- Max. GPU length: 420 mm
- I/O port location: Top
- PSU location: Bottom.
- Connectors:
 - USB Type-C
 - 3.5 mm audio jack
 - USB 3.2 Gen 1 × 2
- 2.5" drive bays: 3
- 3.5" drive bays: 2
- Expansion slots: 5
- Front panel material: Glass
- Glass thickness: 4 mm
- Metal thickness: 0.45–0.6 mm
- Dimensions (W × D × H): 277 × 443 × 377 mm.

I/O Panel Diagram



Motherboard I/O Panel Connection Diagram



Note: For detailed connection instructions, refer to the user manual supplied with your motherboard

Assembly

Screw Kit



Motherboard mounting screws



HDD mounting screws



PSU mounting screws



GPU holder



Motherboard standoffs



Cable ties

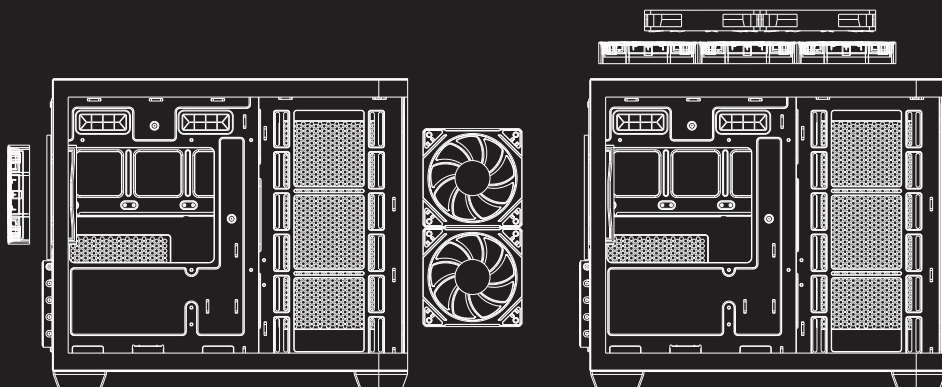


Standoff installation bit



System speaker

Fan Mounting



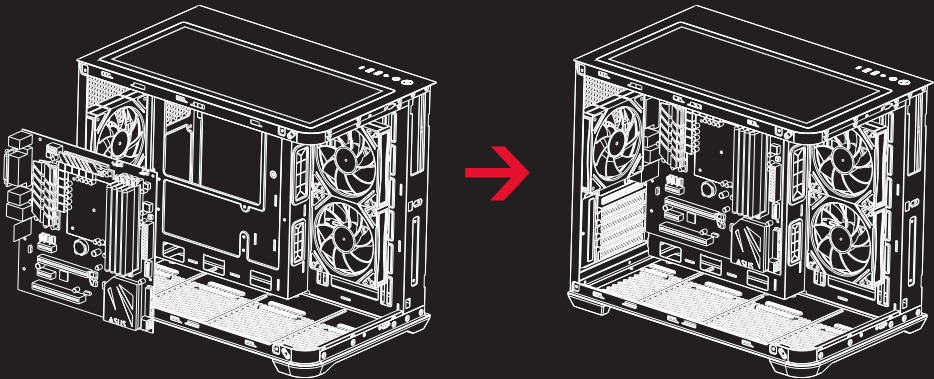
- Side fan support:
 - 2 × 140 mm.
 - 2 × 120 mm.
- Top fan support:
 - 2 × 140 mm.
 - 3 × 120 mm.
- Rear fan support: 1 × 120 mm.
- Bottom fan support:
 - 2 × 140 mm.
 - 3 × 120 mm.

AIO Cooler Mounting

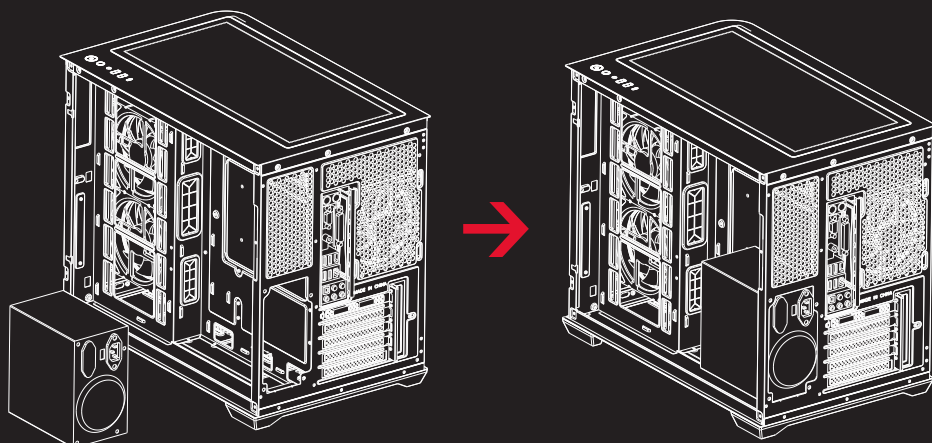


Motherboard Installation

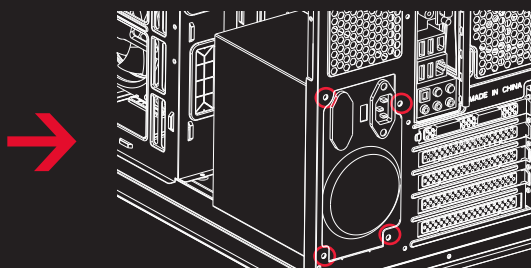
- 1. Install motherboard standoffs in the corresponding mounting holes in the case.
- 2. Place the motherboard on the standoffs.
- 3. Secure the motherboard with screws.



Power Supply Unit Installation



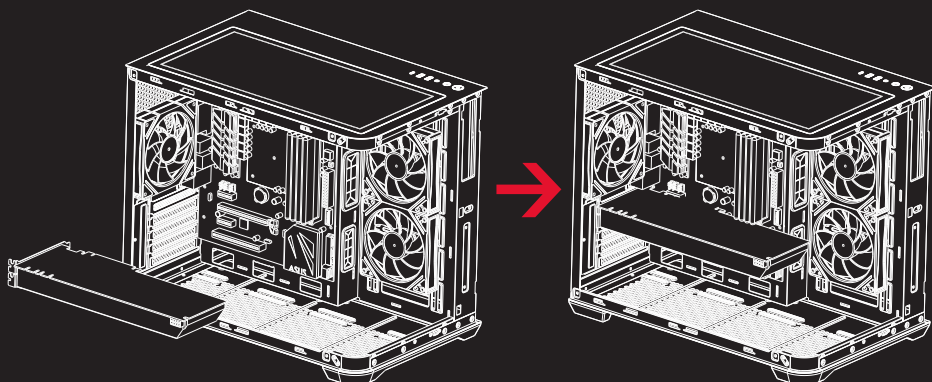
Install the power supply unit, positioning it as shown in the diagram



Insert and tighten the screws

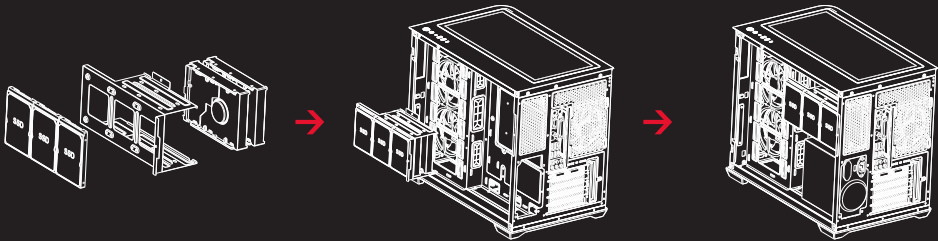
Graphics Card Installation

1. Remove the required number of PCI slot covers for your graphics card.
2. Install the graphics card and secure it with screws.



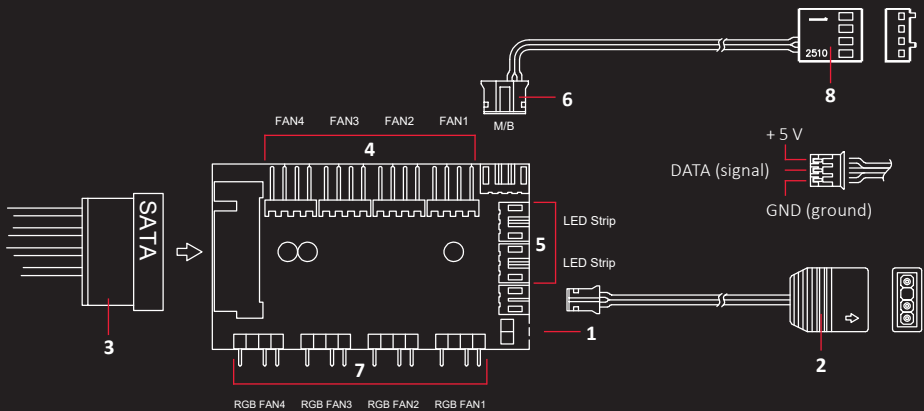
Note: To prevent GPU sag, support the free end of the graphics card with the corresponding holder from the package contents.

SSD (2.5") and HDD (3.5") Installation



1. Remove the mounting bracket from the case.
2. Install and secure SSD drives or HDD hard drives in the mounting bracket.
3. Place the mounting bracket back into the case.
4. Secure the mounting bracket with screws.

ARGB Controller for Fan Lighting Control



1. 2-pin connector for the LED button to control lighting.
2. 3-pin ARGB (5 V) connector for connection to the motherboard to control lighting via manufacturer software.
3. SATA power cable for connection to the power supply unit.
4. 4-pin PWM fan connector.
5. 3-pin connectors for LED strip lighting.
6. Connector for controller to the motherboard.
7. 3-pin ARGB (5 V) connectors for connecting and controlling fan lighting.
8. PWM fan connector for connecting to the motherboard and controlling PWM fans.

Note: The fan connected to the FAN1 port (highlighted in red) will report its rotation speed to the motherboard.

Operating Instructions

- Control is performed manually via the LED button on the side panel of the case. Upon first power-on, a random LED lighting effect is activated.
- Press and hold the LED button for 3 seconds to switch to lighting control via the motherboard software.
- Press and hold the LED button for 5 seconds to turn off the lighting.
- Press the button again to return to control via the LED button.

Controlling Fan Lighting via the LED Button

1. Connect the LED button connector to the 2-pin connector.
2. Connect the fans to the 4-pin connectors.
3. Connect the 3-pin ARGB (5 V) connectors from the fans to the controller to control the fan lighting.
4. Connect the LED strip to the 3-pin connectors.
5. Connect the SATA cable to the power connector.
6. Press the LED button on the PC case to start operation.

Controlling Fan Lighting via Motherboard Software.

1. Ensure that your motherboard has a 3-pin ARGB connector.
2. Locate the 3-pin ARGB connector on the controller.
3. Connect the controller's 3-pin ARGB connector to the motherboard.
4. Before connecting the 3-pin ARGB connector to the motherboard, download and install the fan lighting control software on your PC from the official website of your motherboard manufacturer. After launching the software, the LED indicator on the motherboard should light up, confirming successful synchronization (the location of the indicator depends on your motherboard model).
5. Press and hold the LED button on the case for 3 seconds to switch to fan lighting control via the motherboard software. Press the button again to return to button control.

Package Contents

- Case
- Screw kit
- User manual
- GPU holder

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal

- The case requires no assembly or mounting.
- The case must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The case must be transported in a dry place.
- The case requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the case must be carried out in accordance with local legislation.
- Disposal of the case must be carried out in accordance with local waste recycling regulations. By ensuring proper disposal of this product, you help prevent potential harm to the environment and human health resulting from uncontrolled waste disposal and promote the sustainable reuse of material resources. For more detailed information on collection and disposal points for this product, please contact your local municipal authorities or household waste collection service.
- If a case malfunction is detected, immediately contact an authorized service center or dispose of the product.

Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

Warranty Period: 18 months.

Service Life: 24 months.

For the up-to-date list of authorized service centers, please visit: <https://www.dns-shop.ru/service-center/>

Additional Information

Manufacturer: Guangzhou Qili computer equipment manufacturing Co., LTD.

No. 448 Hualin Road, No. 2 Gonghuc South Road, Mingzhu Industrial Park, Conghua District, China.

Made in China.

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.



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