

CRYSTAL CQ

CASE



Contents

Intended Use3

Safety Precautions3

Specifications3

I/O Panel Diagram4

Motherboard I/O Panel Connection Diagram4

Assembly5

Screw Kit5

Fan Mounting5

AIO Cooler Mounting6

Motherboard Installation6

Power Supply Unit Installation7

Graphics Card Installation7

SSD (2.5") and HDD (3.5") Installation.....8

ARGB Controller for Fan Lighting Control.....8

Operating Instructions.....9

Controlling Fan Lighting via the LED Button9

Controlling Fan Lighting via Motherboard Software.9

Package Contents.....9

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal9

Warranty Information10

Additional Information10

ARDOR GAMING Crystal CQ Midtower

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.

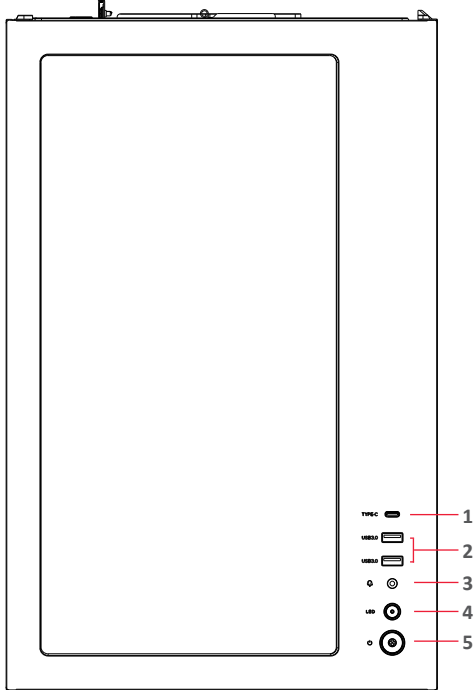
Safety Precautions

- 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 CQ
- Trademark: ARDOR GAMING
- Form factor: Mid-tower
- Fan controller: ARGB hub-A with PWM
- PSU form factor: ATX
- Supported motherboards:
 - M-ATX
 - ITX
 - ATX
 - E-ATX
- Side AIO radiator support:
 - 240 mm
 - 360 mm
- Top AIO radiator support:
 - 240 mm
 - 280 mm
 - 360 mm
- Rear AIO radiator support: 120 mm
- Side fan support:
 - 3 × 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: 3 × 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: Top
- Front panel material: Glass
- Glass thickness: 4 mm
- Connectors:
 - USB Type-C × 1
 - 3.5 mm audio jack × 1
 - USB 3.2 Gen 1 × 2
- 2.5" drive bays: 3
- 3.5" drive bays: 2
- Expansion slots: 7
- Metal thickness: 0.45–0.7 mm
- Dimensions (W × D × H): 277 × 443 × 435 mm

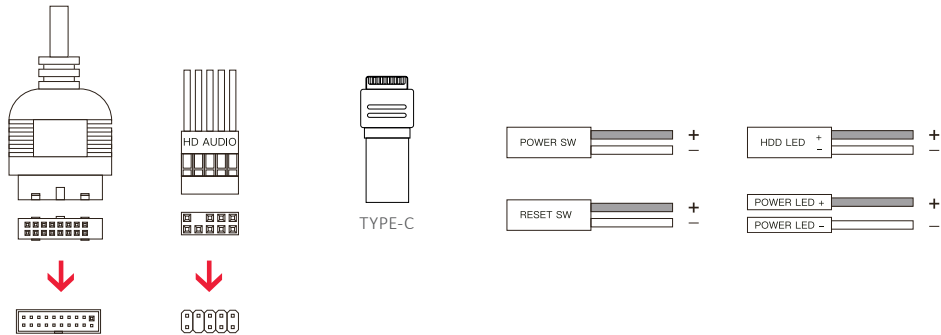
I/O Panel Diagram



- 1. USB Type-C.
- 2. USB 3.0.
- 3. AUDIO/MIC.
Headphone/Microphone jack.
- 4. LED.
Lighting control.
- 5. POWER.
Power ON/OFF button.

Motherboard I/O Panel Connection Diagram

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



Assembly

Screw Kit



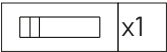
Motherboard mounting screws



HDD mounting screws



PSU mounting screws



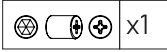
GPU holder



Motherboard standoffs



Cable ties

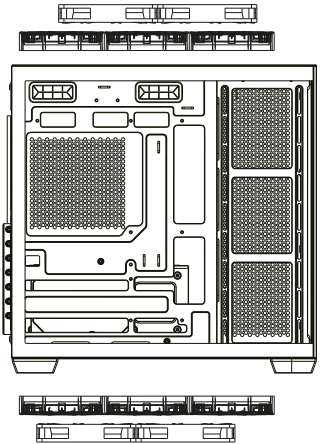
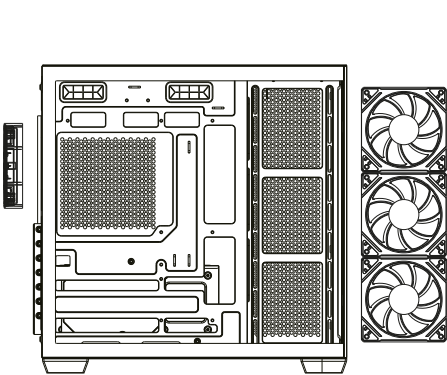


Standoff installation bit



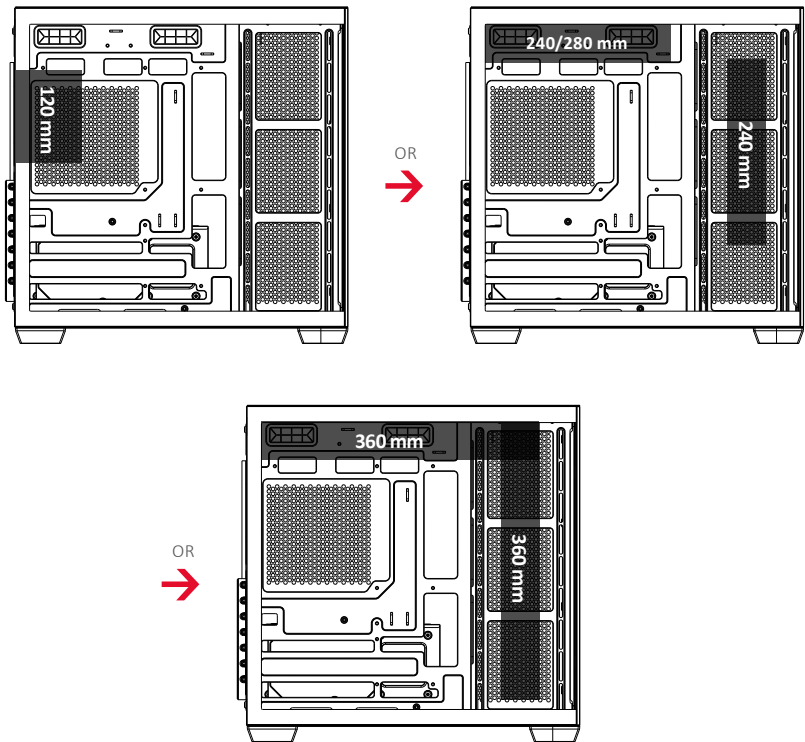
System speaker

Fan Mounting



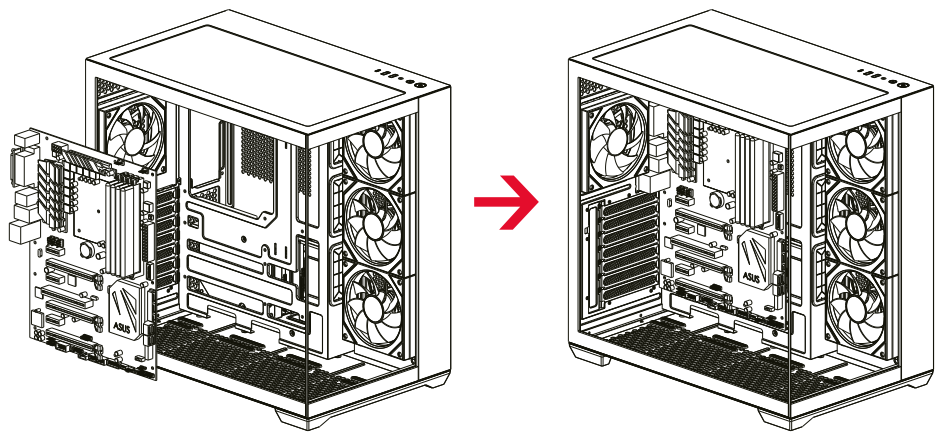
- Side fan support:
 - 3 × 120 mm.
- Top fan support:
 - 2 × 140 mm.
 - 3 × 120 mm.
- Rear fan support: 1 × 120 mm.
- Bottom fan support:
 - 2 × 140 mm.
 - 3 × 120 mm.

AIO Cooler Mounting

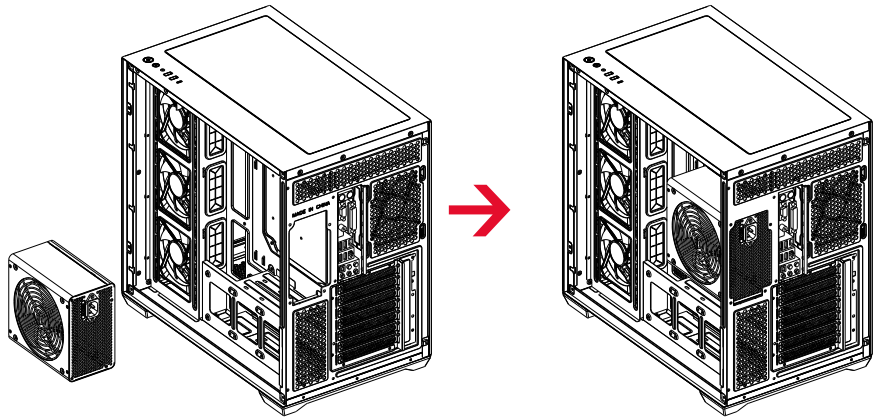


Motherboard Installation

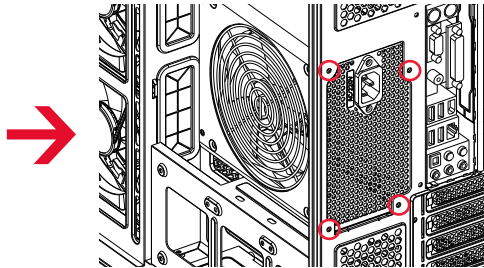
1. Based on your motherboard's form factor, install the motherboard standoffs into the corresponding mounting holes in the case.
2. Place the motherboard onto the standoffs.
3. Secure the motherboard with screws.



Power Supply Unit Installation



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

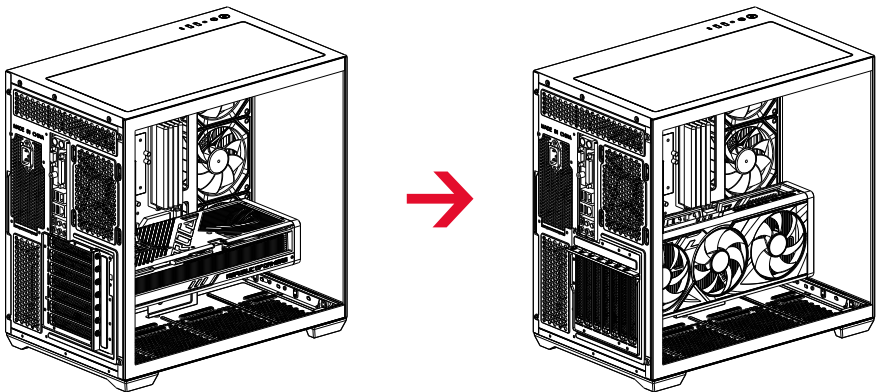


Insert and tighten the screws

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.

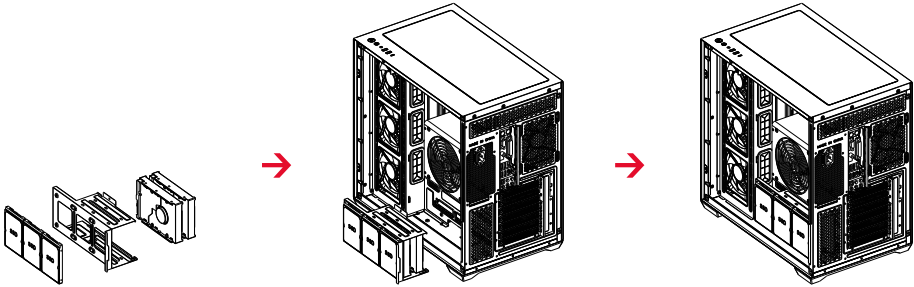
Note: To prevent GPU sag, support the free end of the graphics card with the corresponding holder from the package contents.



Horizontal Installation

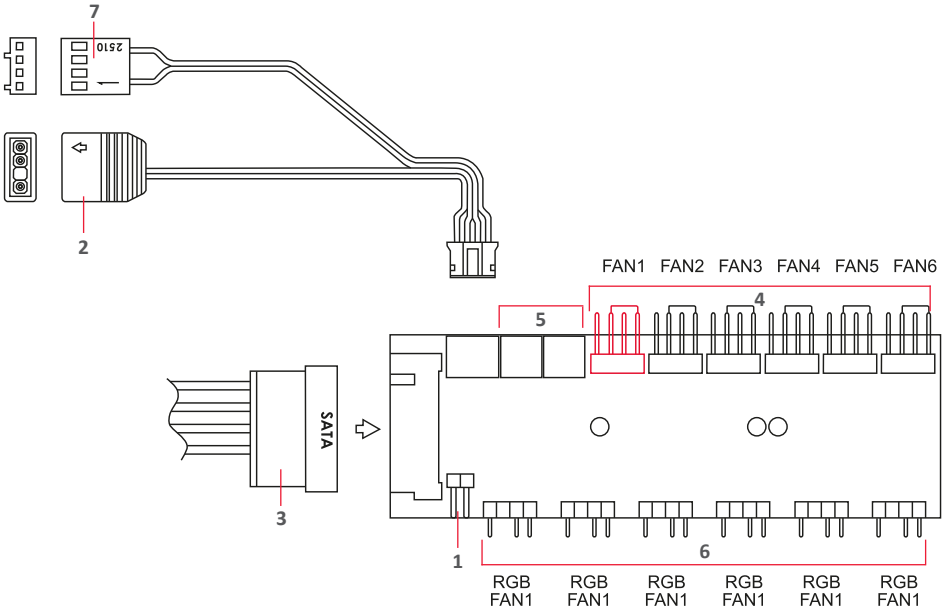
Vertical Installation

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. 3-pin ARGB (5 V) connectors for connecting and controlling fan lighting.
7. 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 case panel. 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 (5 V) 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

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, Chengjiao Street, Conghua District, Guangzhou City, Guangdong Province, 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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