MEG Series

PC Case

MAESTRO 900R

User Guide

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Unboxing

Specifications

Basic Information

Case Type	Mid Tower
Dimensions (DxWxH)	695 x 671 x 379 mm
Supported Motherboard Sizes	EATX*, ATX, Micro-ATX, Mini-ITX * EATX up to 280 x 305mm (12”x10.9”)

Cooling Fan Support

Top	4 x 120mm or 3 x 140mm or 3 x 160mm
Side	3 x 120mm for left side of motherboard 3 x 120mm for right side of motherboard
Bottom	4 x 120mm or 3 x 140mm or 3 x 160mm Pre-installed 3 x 160mm ARGB reverse blade fans

Expansion Slots

Horizontal GPU Bracket	8 slots
Vertical GPU Bracket (pre-installed)	3 slots

Drive Bays

2.5" SSD	Up to 9
3.5" HDD	Up to 5

I/O Ports and Buttons

USB Ports	1 x USB 20Gbps Type-C* 4 x USB 10Gbps Type-C 4 x USB 5Gbps Type-A * Support PD fast charging (compatible motherboard required)
Audio Ports	1 x Audio / microphone combo jack (4-pole)
Buttons	1 x LED switch button 1 x Power button

Chassis Clearances

CPU Cooler Height	<170 mm
GPU Length	<360 mm for horizontal installation <340 mm for vertical installation
Radiator Length Support	Top: 120 / 140 / 240 / 280 / 360 / 420 mm Bottom: 120 / 140 / 240 / 280 / 360 / 420 mm Left side: 120 / 240 / 360 mm Right side: 120 / 240 / 360 mm
	Thickness: <60 mm
PSU Length	<200 mm
Cable Routing Space (Behind Motherboard)	80 mm

Others

PCIe 5.0 x 16 Riser Cable	180 mm ± 5 mm

Materials

Metal Specification	SGCC 0.8 – 1.2 mm
Glass Panel	4mm tempered glass
Dust Filter	Top: Magnet Side: Magnet Bottom: Removal

Mounting Options

MAESTRO 900R offers numerous customization options. Please refer to the "Installation" chapter for details.

Radiator / Fan Brackets (Page 24, 25)

4 brackets are available for mounting fans or radiators.

Both the top and bottom brackets can be set to flat or tilted.

Tilted

Flat

Motherboard tray (Page 18)

The motherboard tray can be installed in 4 different orientations.

Motherboard tray (Page 18)

The following illustrations depict the 4 orientations of motherboard's rear I/O.

Left

Up

Right*

Down

* When the motherboard's rear I/O is oriented to the right, radiator installation on the top bracket requires tubing longer than 60cm.

Chassis Clearances with Different Mounting Options

These tables are used to organize installation space based on different customization options.

Top & Bottom Radiator / Fan Brackets: Tilted Installation

Orientation of Motherboard's Rear I/O	Left / Right	Up	Down
Length of Horizontal Graphics Card	<440mm	<360mm	<360mm
Length of Vertical Graphics Card	<430mm	<340mm	<350mm
Thickness of 240/360mm Radiator + 120mm Fan at Side Brackets	<230mm	<230mm	<230mm
Thickness of 240/360mm Radiator + 120mm Fan at Top & Bottom Brackets	<80mm	<60mm	<60mm
Thickness of 280/420mm Radiator + 140mm Fan at Top & Bottom Brackets	<80mm	<60mm	<60mm

Top & Bottom Radiator / Fan Brackets: Flat Installation

Orientation of Motherboard's Rear I/O	Left / Right	Up	Down
Length of Horizontal Graphics Card	<440mm	<365mm	<365mm
Length of Vertical Graphics Card	<430mm	<340mm	<340mm
Thickness of 240/360mm Radiator + 120mm Fan at Side Brackets	<230mm	<230mm	<230mm
Thickness of 240/360mm Radiator + 120mm Fan at Top & Bottom Brackets	<80mm	<60mm	<60mm
Thickness of 280/420mm Radiator + 140mm Fan at Top & Bottom Brackets	<80mm	<60mm	<60mm

Accessories

Item	Name / Q' ty	Used for
	Hook-and-loop fastener x6	Cable management
	Cable tie x10	Cable management
	Cable clip x10	Cable management
	Screw M3 5mm x24	Motherboard / Riser cable / SSD
	Screw #6-32 5mm x35	PCI Slot Cover / PSU / Side fan brackets / Radiator brackets
	Fan screw 10mm x28	Fan
	Screw #6-32 10mm x32	SSD mounting on side fan brackets / motherboard tray as a test bench
	Rubber cushion x32	SSD mounting on side fan brackets / motherboard tray as a test bench
	T-Handle screw x2	Carrying motherboard tray
	PCI slot cover x8	PCIe slot protection
	Stand-off mounting tool x1	Securing stand-off
	Spare U clip set x4	Backup supplies for securing side panel
	Feet of motherboard tray x4	Motherboard tray as a test bench
	Feet / HDD screw x24	Feet of motherboard tray as a test bench / HDD
	Radiator bracket x2	Motherboard tray as a test bench
	Power & reset buttons set x1	Motherboard tray as a test bench
	Cleaning cloth x1	Wiping case
	Gloves x1	Protection

Case Features

I/O and Buttons

Item	Description
1	Power button
2	LED button
3	Audio / microphone combo jack
4	USB 5Gbps Type-A
5	USB 20Gbps Type-C * Support PD fast charging (compatible motherboard required)
6	USB 10Gbps Type-C

I/O and Buttons Location

The I/O and buttons can be relocated to the other side to better suit your cable management needs.

Radiator / Fan Cap Removal

Please refer to page 15 to remove radiator / fan cap for USB Type-C hub installation.

Parts Removal

Panels Removal

These panels are held in place by snap-fit clips.

Motherboard Tray Removal

The cover is held in place by a clip. Pull slightly to remove.

The cover is held in place by a clip.

Radiator / Fan Brackets Removal (Top & Bottom)

Radiator / Fan Brackets Removal (Side)

Push one side of the clips to remove. During installation, secure one side of clips first.

Filters Removal

Side Filters Installation

Installation

Motherboard Installation

Carrying handles

These handles can be set at convenient locations for easier carrying.

Once set, pull up and rotate to the desired orientations.

The motherboard tray can be installed in 4 different orientations.

Cable Management

Cables can be routed through these openings.

Cable Management Area

Cables can be organized within the cable management area of the motherboard tray using the included cable clips.

24-pin Power Cable

4+4-pin Power Cable

Panel I/O

Fan

PSU Installation

Graphics Card Vertical Bracket / Holder Removal & Adjustment

Important

Ensure fixing screws are loosened prior to adjustment.

Horizontal Graphics Card Installation

Vertical Graphics Card Installation

Radiator / Fan Brackets Installation (Top & Bottom)

Multi-size Mounting Rails

Optimized for various radiator and fan configurations.

Reversible Bracket Design

Flip the bracket to adjust the mounting offset, optimize clearance, and showcase the fans.

Radiator / Fan Brackets Installation (Side)

Rotating Bracket Design

These brackets are attached with hinges and can be rotated.

HDD & SSD Installation

Panel I/O Connection

Dual mounting options

The I/O panel can be installed on the left or right side. Please refer to page 12.

The Wi-Fi antenna can be routed through this opening.

Fan Control Hub Connection

Important

The ARGB headers of fan control hub support ARGB LED strips (5V/Data/Ground), with a maximum power rating of 4A (5V). If exceeding this limit, the control hub will enter protection mode, and the LEDs will flash continuously.

Addressable RGB LED Strip Connection

Addressable RGB LED Fan Connection

Important

- *Connecting ARGB Gen1 and ARGB Gen2 LED strips into same connector may cause some issues. Please do not mix ARGB Gen1 LED and ARGB Gen2 LED strips together.*
- *Please always turn off the power supply and unplug the power cord from the power outlet before installing or removing ARGB LED strips/fans.*
- *Each port supports up to 120 LEDs at 20% brightness, though 60 or fewer are recommended to ensure color accuracy. The total capacity across all 6 ports must not exceed 300 LEDs, also measured at 20% brightness.*
- *Please ensure all cables are securely connected before powering on.*

LED Switch Button Function

- **Cycle Effects:** Short press to cycle through lighting modes.
- **Motherboard Sync:** Hold for 2 seconds until the LEDs flash white twice, then release to sync with the motherboard.
- **Return to Manual Control:** While in sync mode, short press once to switch back to the control hub signal.
- **Power Off (Manual Control):** Hold for 6 seconds until the LEDs flash 5 times. Short press once to turn the lights back on.
- **Power Off (Motherboard Sync):** Hold for 6 seconds until the LEDs flash 3 times. Short press once to turn the lights back on.

Fan Control Hub Location

The fan control hub is pre-installed. It can be relocated to the other side to better suit your cable management needs.

LED Effect Sequence

After pressing the LED Switch button, the LED effect sequence is as follows:

1	Solid red
2	Solid green
3	Solid blue
4	Solid yellow
5	Solid cyan
6	Solid purple
7	Solid orange
8	Solid white
9	Red breathing
10	Green breathing
11	Blue breathing
12	Yellow breathing
13	Cyan breathing
14	Purple breathing
15	White breathing
16	7-color breathing transition effect (red, green, blue, yellow, cyan, purple, white)
17	7-color flowing effect (red, green, blue, yellow, cyan, purple, white)
18	Rainbow color cycling

Motherboard Tray as a Test Bench (Optional)

Important

- ***Radiator Brackets:*** *Support the installation of either a radiator or fan.*
- ***Feet of Motherboard Tray:*** *Install on the bottom of the frame for grip and surface protection.*

General Information

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