

AOC AM420G

AOC AM420G Dual Monitor Stand User Manual

Model: AM420G

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AOC AM420G Dual Monitor Stand. Designed for versatility and performance, this monitor arm features a robust aluminum structure and a mechanical spring system, supporting a full range of motion for an optimized viewing experience. Please read this manual thoroughly before installation and use to ensure proper setup and safe operation.

PRODUCT OVERVIEW

The AOC AM420G is a dual monitor desk mount designed to enhance your workspace ergonomics and organization. It supports two monitors ranging from 17 to 34 inches, with a weight capacity of 2 kg (4.4 lbs) to 9 kg (19.8 lbs) per arm. Key features include a durable mechanical spring for smooth adjustments, full range of motion, premium aluminum construction, and integrated cable management.



Figure 1: AOC AM420G Dual Monitor Stand. This image displays the complete dual monitor arm assembly, including the desk clamp and two articulating arms with VESA mounting plates.

SPECIFICATIONS

Feature	Detail
Model Number	AM420G
Compatibility	17" to 34" monitors
Weight Capacity (per arm)	2 kg (4.4 lbs) to 9 kg (19.8 lbs)
VESA Compatibility	100x100mm, 75x75mm
Mounting Options	C-Clamp, Grommet
Lift Range	250mm

Feature	Detail
Max Extension	470mm
Tilt Range	-15° to +90°
Swivel Range	-90° to +90°
Material	High-grade Aluminum Alloy
Item Weight	12.87 pounds
Package Dimensions	18.5 x 13 x 4.5 inches
Manufacturer	TPV Technology
UPC	685417134786



Figure 2: Compatibility details for the AOC AM420G, showing VESA mount compatibility (100x100mm or 75x75mm), supported screen

sizes (17" to 34"), and weight capacity (2-9 kg).

SETUP AND INSTALLATION

Before beginning installation, ensure you have all components and tools as listed in the packaging. The AOC AM420G offers two primary mounting options: C-Clamp and Grommet.

1. Choose Your Mounting Option

Determine whether to use the C-Clamp or Grommet mounting base based on your desk type and preference. The C-Clamp is suitable for desk edges, while the Grommet mount requires a pre-drilled hole in your desk.



Figure 3: Illustration of the C-Clamp and Grommet mounting options for the monitor stand. The C-Clamp secures to the edge of a desk, while the Grommet mount passes through a desk hole.

- **C-Clamp:** Suitable for desktop thickness between 0.59" and 1.97" (1.5 cm to 5 cm).
- **Grommet Mount:** Requires a desk hole with a diameter greater than 2.36" (6 cm).

2. Assemble the Base

Follow the specific instructions provided in your product packaging for assembling the chosen mounting base to the main pole of the monitor arm.

3. Attach Monitor Arms

Slide the monitor arms onto the main pole. Ensure they are at the desired height before tightening the securing screws.

4. Mount Monitors

Attach your VESA-compatible monitors to the mounting plates on each arm. Ensure the VESA pattern (100x100mm or 75x75mm) matches your monitor. Secure the monitors firmly with the provided screws.

5. Adjust Tension

The monitor arm features a durable mechanical spring system. Adjust the tension using the integrated adjustment mechanism to match the weight of your monitors. This ensures smooth and stable positioning.

Durable mechanical spring

More stable, safe and durable



Figure 4: Close-up view of the durable mechanical spring mechanism within the monitor arm, indicating where tension adjustments can be made for optimal monitor stability.

OPERATING INSTRUCTIONS

The AOC AM420G monitor stand provides extensive flexibility for ergonomic comfort. Once installed, you can easily adjust your monitors to your preferred viewing angles and positions.

Adjusting Monitor Position

- **Height Adjustment:** Gently push or pull the monitor up or down along the pole or arm to achieve the desired vertical position. The mechanical spring will assist in holding the position.
- **Extension/Retraction:** Extend or retract the arms to bring the monitors closer or further away from you. The maximum extension is 470mm.
- **Tilt:** Tilt your monitor screen up or down between -15° and $+90^{\circ}$ to reduce glare and optimize viewing angle. The optimized tilting structure ensures stable placement.
- **Swivel:** Swivel your monitor left or right between -90° and $+90^{\circ}$ for collaborative work or to change viewing orientation.
- **Rotation:** Rotate your monitor from landscape to portrait mode as needed.

Full range of motion

Maximize ergonomic comfort.



Figure 5: The AOC AM420G monitor arm demonstrating its full range of motion, including extension, retraction, and multi-directional adjustments for ergonomic comfort.

Cable Management

The monitor arm features integrated cable management channels to keep your workspace tidy and organized. Route your monitor and power cables through these channels to minimize clutter.

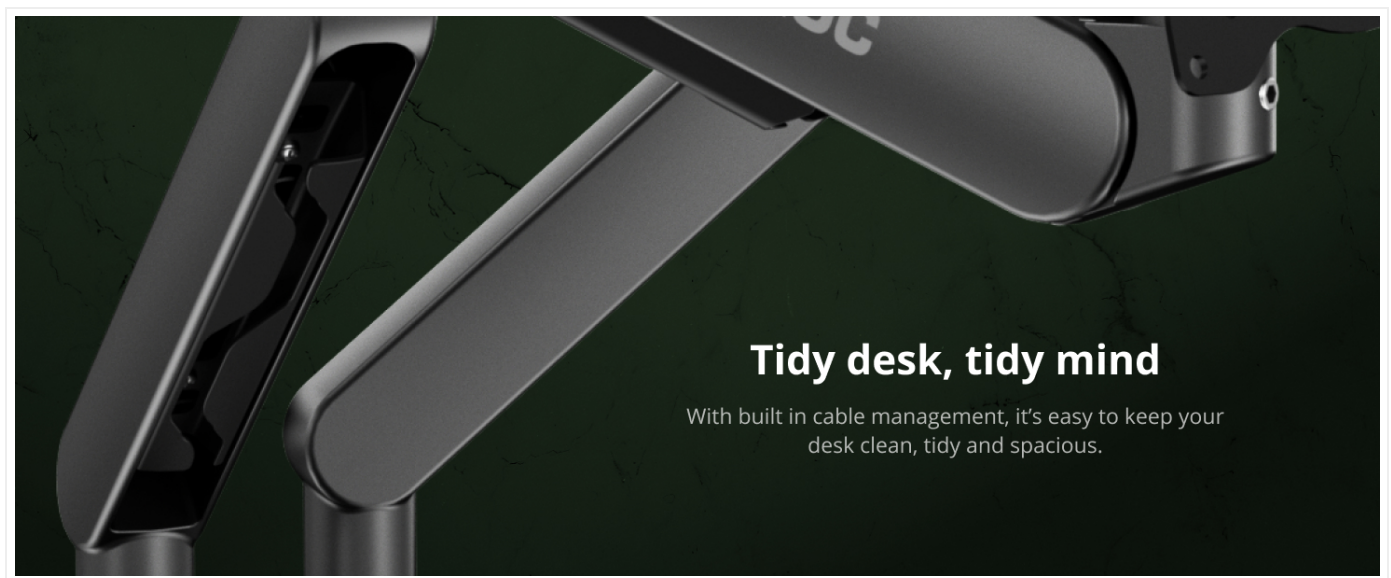


Figure 6: Detail showing the integrated cable management system within the monitor arm, designed to keep cables organized and out of sight for a cleaner desk.

MAINTENANCE

The AOC AM420G monitor stand is designed for durability and requires minimal maintenance. Regular cleaning and occasional checks will ensure its longevity and optimal performance.

- **Cleaning:** Use a soft, dry cloth to wipe down the surfaces of the monitor arm. For stubborn marks, a slightly damp cloth with mild soap can be used, followed by drying. Avoid abrasive cleaners or solvents.
- **Joint Checks:** Periodically check all joints and screws to ensure they remain securely tightened. If any looseness is detected, gently tighten the corresponding screws. Do not overtighten.
- **Spring Tension:** If you notice that your monitor is not holding its position as firmly as before, or if it drifts, re-adjust the spring tension as described in the "Setup and Installation" section.

TROUBLESHOOTING

This section addresses common issues you might encounter with your AOC AM420G Dual Monitor Stand.

Problem	Possible Cause	Solution
Monitor sags or does not hold position.	Spring tension is too low for the monitor's weight.	Increase the spring tension using the adjustment screw on the arm. Refer to the "Adjust Tension" step in the Setup section.
Monitor is difficult to move up or down.	Spring tension is too high for the monitor's weight.	Decrease the spring tension using the adjustment screw on the arm.
Monitor wobbles or feels unstable.	Mounting base or arm joints are not securely tightened.	Ensure the C-Clamp or Grommet mount is firmly secured to the desk. Check and tighten all screws on the arm joints and VESA plate.
Cables are messy despite cable management.	Cables are not properly routed through the channels.	Re-route cables through the designated cable management channels on the arm. Ensure they are not pinched.

WARRANTY AND SUPPORT

Your AOC AM420G Dual Monitor Stand is covered by a manufacturer's warranty.

- **Warranty Period:** 2 years Manufacturer Warranty.
- **Support:** For technical assistance, warranty claims, or further inquiries, please visit the official AOC support website or contact their customer service.
- **Online Resources:** For additional information and support, you may visit the [AOC Store on Amazon](#).

