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Ergotron 45-631-224

Ergotron Trace Dual Monitor Arm

INSTRUCTION MANUAL

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1. Product Overview

The Ergotron Trace Dual Monitor Arm is a versatile VESA desk mount designed to enhance your workspace ergonomics and flexibility. It supports two monitors up to 27 inches diagonal, each weighing between 4.05 to 10.75 pounds. This arm allows for broad compatibility with VESA patterns 75x75mm and 100x100mm, providing a dynamic and adaptable solution for various work environments.



Figure 1.1: The Ergotron Trace Dual Monitor Arm supporting two monitors in a typical desk setup.

Key features include full motion capabilities, allowing for 11 inches of lift and 360 degrees of rotation, along with 35 degrees of tilt for personalized viewing. Its innovative design promotes flexible workspaces, encouraging movement and collaboration by easily adapting to different user needs and returning to a home position for a clean desk.

2. Setup and Installation

Before beginning installation, ensure all components are present and your desk surface meets the requirements for the two-piece desk clamp (up to 2.5 inches thick). An optional grommet mount (98-492-009) and slim profile clamp mount (98-490-224) are available separately if needed.



Figure 2.1: Unpack all components and verify against the parts list in your included quick start guide.

2.1 Attaching the Desk Clamp

The monitor arm includes a two-piece desk clamp. Securely attach the clamp to your desk edge. Ensure the clamp is tightened firmly to provide a stable base for the monitor arm.



Figure 2.2: Detail of the desk clamp, designed for surfaces up to 2.5 inches thick.

2.2 Assembling the Arm and Attaching Monitors

Follow the instructions to assemble the lift column, extension arms, and bow. Attach your VESA-compatible monitors to the sliding pivots. The arm is designed for easy attachment and detachment of monitors.



Figure 2.3: The VESA mount plate, compatible with 75x75mm and 100x100mm patterns.

2.3 Cable Management

Utilize the integrated cable management channel to route and organize your monitor cables. This helps maintain a clean and clutter-free workspace.

3. Operation and Adjustments

The Ergotron Trace Dual Monitor Arm offers extensive adjustability to suit your ergonomic needs and workflow. Adjustments can be made vertically, horizontally, and for tilt and rotation.

3.1 Height Adjustment

The arm provides 11 inches (28 cm) of vertical lift, allowing your monitors to rise up to 19.6 inches from the desktop. This enables seamless transitions between sitting and standing positions, promoting healthier work habits.



Figure 3.1: The monitor arm allows for smooth vertical adjustments to optimize viewing height.

3.2 Horizontal and Depth Adjustment

The arm's full motion design allows you to swing the monitors side-to-side and adjust their depth. This is ideal for collaborative work, allowing you to easily share your screen with colleagues.



Figure 3.2: The arm's design facilitates easy horizontal repositioning of monitors.



Figure 3.3: The arm can extend and retract, providing flexibility for various desk depths and viewing distances.

3.3 Tilt and Rotation

Personalize your view with 360 degrees of rotation (portrait to landscape) and 35 degrees of tilt. Vertical and horizontal adjustments move independently for fine-tuning your display positions.

3.4 Adaptable Workspaces

The Trace monitor arm is designed for dynamic environments, allowing multiple users to easily adjust the setup to their preferences. When not in use, the arm can be pushed back to maximize desk space.



Figure 3.4: The monitor arm integrates seamlessly into modern office environments, promoting adaptable workspaces.



Figure 3.5: Ideal for open-plan offices, allowing individual customization while maintaining a cohesive look.

3.5 Product Video: TRACE: Create an Adaptable Workspace

▶ **Watch video online**
TRACE: Create an Adaptable Workspace

Video 3.1: This video demonstrates the flexibility and adaptability of the Ergotron Trace monitor arm in various work scenarios, highlighting its ease of adjustment for different users and tasks.

4. Maintenance

To ensure the longevity and optimal performance of your Ergotron Trace Dual Monitor Arm, follow these simple maintenance guidelines:

- **Cleaning:** Wipe down the arm and its components regularly with a soft, damp cloth. Avoid using abrasive

cleaners or solvents that could damage the finish.

- **Check Connections:** Periodically inspect all screws and connections, especially the desk clamp, to ensure they remain tight and secure. Re-tighten if necessary.
- **Cable Management:** Ensure cables are properly routed through the integrated management channels to prevent pinching or excessive strain on the connections.
- **Smooth Operation:** If the arm's movement feels stiff, check for any obstructions. The arm is designed for smooth operation and typically does not require lubrication.

5. Troubleshooting

This section addresses common issues you might encounter with your Ergotron Trace Dual Monitor Arm.

Problem	Possible Cause	Solution
Monitors are not level or at different heights.	Uneven weight distribution; improper fine-tuning; manufacturing variance.	Ensure monitors are within specified weight limits. Use the independent vertical and horizontal adjustment features to fine-tune alignment. If issues persist, contact Ergotron technical support.
Monitors tilt when the arm is swung.	This can be a characteristic of the arm's design with certain monitor sizes/weights.	While minor tilting may occur, ensure all pivot points are securely tightened. Adjust monitor position after swinging to re-level. Consider if monitor size/weight is at the upper limit of the arm's capacity.
Cables do not fit into the cable management system.	Cables are too thick or too numerous for the integrated channels.	The integrated cable management is designed for standard cables. For thicker or more numerous cables, external cable ties or sleeves may be necessary to manage them neatly along the arm.
Missing parts or difficulty with assembly.	Packaging error; unclear instructions.	Verify all parts against the packing list. Refer to the detailed assembly instructions provided with the product. If parts are missing or you require professional assistance, contact Ergotron technical support immediately.

6. Specifications

Feature	Detail
Product Dimensions	20.43 x 32.6 x 19.53 inches
Item Weight	19.58 pounds
Model Number	45-631-224
Mounting Type	Tabletop Mount (Desk Clamp)

Feature	Detail
Movement Type	Articulating
Brand	Ergotron
Material	Metal
Maximum Compatible Size	27 Inches (per monitor)
Minimum Compatible Size	1 Inches (per monitor)
Monitor Weight Capacity	4.05 to 10.75 lbs each
Compatible Devices	Monitor
Maximum Tilt Angle	35 Degrees
UPC	698833083804
Desk Clamp Thickness	Up to 2.5 inches
Vertical Lift	11 inches (19.6 inches from desktop)

7. Warranty & Support

Ergotron stands behind the quality of its products. The Trace Dual Monitor Arm comes with a premium **15-year warranty**, ensuring long-term reliability and peace of mind.

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact Ergotron's excellent technical support team. Visit the official Ergotron website for contact information and additional resources.

Ergotron Official Website: www.ergotron.com

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