

Peerless-AV ST640

Peerless-AV ST640 Security Tilt Wall Mount

Instruction Manual

1. INTRODUCTION

The Peerless-AV ST640 Security Tilt Wall Mount provides a secure and versatile mounting solution for flat panel screens ranging from 32 to 50 inches. This mount is engineered for professional environments, offering smooth, continuous one-touch tilt functionality for easy adjustment of the viewing angle without the need for additional tools. Its design includes simple-to-align universal brackets and a unique wall plate that can be securely mounted to a single wood stud or concrete surfaces.

2. SAFETY INFORMATION

WARNING: Failure to read, understand, and follow all instructions can result in serious personal injury, property damage, or voiding of the warranty. Professional installation is highly recommended.

- Ensure the mounting surface can safely support the combined weight of the mount and the display.
- Do not exceed the maximum weight capacity of the mount.
- Use only the fasteners provided or specified in these instructions.
- Always use appropriate safety equipment and tools during installation.
- Keep children and pets away from the work area during installation.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- SmartMount Universal Flat Wall Mount
- Universal Brackets (for display attachment)
- Tilting Wall Plate Assembly
- Fastener Pack (various screws, washers, spacers)
- Mounting Hardware (for wall attachment)

4. SETUP AND INSTALLATION

4.1 Tools Required (Not Included)

- Drill
- Stud Finder (for wood stud installation)
- Level
- Measuring Tape
- Pencil
- Socket Wrench or Adjustable Wrench
- Phillips Head Screwdriver

4.2 Attaching Universal Brackets to Display

1. Carefully place your display face down on a soft, clean surface to prevent scratches.
2. Identify the VESA mounting holes on the back of your display.
3. Select the appropriate screws, washers, and spacers from the fastener pack that fit your display's mounting holes.
4. Attach the universal brackets to the back of the display, ensuring they are centered and level. Do not overtighten.

4.3 Installing the Wall Plate

1. Determine the desired height and location for your display on the wall.
2. For wood stud installation: Use a stud finder to locate the center of a single wood stud. Mark the drilling locations for the wall plate.
3. For concrete installation: Mark the drilling locations for the wall plate.
4. Drill pilot holes at the marked locations according to the instructions provided with the mounting hardware.
5. Secure the tilting wall plate assembly to the wall using the appropriate mounting hardware. Ensure the wall plate is level before fully tightening all fasteners.

4.4 Mounting the Display to the Wall Plate

1. With assistance, carefully lift the display with the attached universal brackets.
2. Hook the universal brackets onto the top edge of the wall plate.
3. Gently lower the display until the brackets engage securely with the wall plate.
4. Engage any security features or locking mechanisms on the mount to prevent accidental dislodgement.



This image shows the Peerless-AV ST640 Security Tilt Wall Mount installed on the back of a television, demonstrating its low profile and the tilting mechanism. The mount allows for easy adjustment of the screen angle.

5. OPERATING AND ADJUSTMENTS

5.1 Tilt Adjustment

The ST640 mount features a pre-tensioned universal tilt bracket, allowing for smooth and continuous tilt adjustments without the need for tools. The display can be tilted up to 15 degrees forward and -5 degrees backward.

- To adjust the tilt, simply grasp the bottom or top edge of your display and gently push or pull to achieve the desired viewing angle.
- Once the desired angle is reached, the easy grip handle can be used to lock the screen position securely into place, preventing unwanted movement.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Peerless-AV ST640 mount.

- **Cleaning:** Use a soft, dry cloth to wipe down the mount. Avoid abrasive cleaners or solvents that could damage the finish.

- **Periodic Check:** Every 6-12 months, inspect all mounting hardware and fasteners to ensure they remain tight and secure. Retighten if necessary.
- **Movement Check:** Periodically check the tilt mechanism for smooth operation. If any stiffness or unusual noise is observed, consult the troubleshooting section or contact support.

7. TROUBLESHOOTING

If you encounter issues with your Peerless-AV ST640 mount, refer to the following common problems and solutions:

- **Display is not level:** Ensure the wall plate was installed level. If the wall plate is level, check that the universal brackets are attached evenly to the display. Minor adjustments can sometimes be made by slightly loosening and re-tightening the bracket screws.
- **Difficulty tilting the display:** Ensure the easy grip handle is not fully engaged in the locked position. If the mechanism feels stiff, check for any obstructions.
- **Mount feels loose on the wall:** Immediately remove the display from the mount. Re-check all wall fasteners and ensure they are securely tightened into the appropriate wall structure (wood stud or concrete). If the issue persists, professional re-installation may be required.

8. SPECIFICATIONS

Mounting Type	Tilt
Movement Type	Tilt
Compatible Devices	Television, Monitor
Minimum Supported Screen Size	32 Inches
Maximum Supported Screen Size	50 Inches
Maximum Tilt Angle	15 Degrees (Forward), -5 Degrees (Backward)
Mounting Pattern (Max)	18" W x 12.94" H
Item Weight	3.78 Kilograms
Color	Black
Key Features	Open wall plate design, Pre-tensioned universal tilt bracket, Easy grip handle

9. WARRANTY INFORMATION

The Peerless-AV ST640 Security Tilt Wall Mount comes with an Industry Limited Warranty. For specific details regarding coverage, terms, and conditions, please refer to the official warranty documentation provided with your product or visit the Peerless-AV website.

10. SUPPORT

For technical assistance, installation questions, or to report any issues with your Peerless-AV ST640 mount, please contact Peerless-AV customer support. Contact information can typically be found on the

manufacturer's website or in the packaging materials.