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Peerless-AV PCM150

Peerless-AV PCM150 Paramount Universal Ceiling Mount Kit

Model: PCM150 | Brand: Peerless-AV

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1. Product Overview

The Peerless-AV PCM150 Paramount Universal Ceiling Mount Kit is designed to securely mount flat panel displays ranging from 43 to 90+ inches. This versatile kit accommodates various ceiling types, including flat, sloped, wood, and concrete. It also features a 90° cathedral ceiling plate, allowing for wall mounting if preferred. The adjustable extension column provides flexible display positioning, centering the screen from 39.59 to 63.21 inches from the ceiling. A lockable 360° swivel mechanism ensures optimal viewing angles.
This mount is VESA compatible, supporting patterns from 100x100mm up to 600x400mm, and has a maximum load capacity of 150 lbs (68 kg).

2. Important Safety Information

WARNING: Failure to read, understand, and follow all instructions can result in serious personal injury, property damage, or voiding of the warranty. Improper installation may lead to the mount falling, causing severe injury or damage.

- Ensure the mounting surface can safely support the combined weight of the mount and the display.
- Do not exceed the maximum load capacity of 150 lbs (68 kg).
- Always use appropriate tools and safety equipment during installation.
- If you are unsure about any part of the installation process, consult a qualified professional installer.
- Keep children and pets away from the installation area.
- Check all fasteners periodically to ensure they remain secure.

3. Package Contents

Verify that all components are present and undamaged before beginning installation. If any parts are missing or damaged, contact Peerless-AV customer support.

- Ceiling Plate (for flat, sloped, or cathedral ceilings)
- Adjustable Extension Column

- Display Adapter Plate
- VESA Mounting Hardware (various screws, washers, spacers)
- Installation Hardware (lag bolts, concrete anchors, etc., depending on ceiling type)
- Instruction Manual (this document)



Figure 1: Illustrative image of the Peerless-AV PCM150 Paramount Universal Ceiling Mount Kit and its main components. Actual contents may vary slightly.

4. Installation Instructions

This section provides general guidelines for installing the PCM150 mount. Always refer to the detailed diagrams and specific instructions provided with your physical product for precise steps and hardware usage.

4.1. Pre-Installation Checks

1. **Verify Ceiling Type:** Identify if your ceiling is flat, sloped, wood joist, or concrete. This will determine the appropriate mounting hardware and technique.
2. **Locate Mounting Point:** For wood ceilings, locate a ceiling joist using a stud finder. For concrete, ensure the concrete is solid and free of cracks.
3. **Check Display Compatibility:** Ensure your display's weight is within the 150 lb (68 kg) limit and its VESA pattern (100x100mm to 600x400mm) is compatible with the mount.
4. **Gather Tools:** You will typically need a drill, drill bits, level, tape measure, stud finder (for wood), and appropriate wrenches/sockets.

4.2. Mounting the Ceiling Plate

1. **Position the Plate:** Hold the ceiling plate against the desired mounting location. Use a level to ensure it is perfectly horizontal (for flat ceilings) or aligned correctly (for sloped/cathedral ceilings).
2. **Mark Drill Holes:** Mark the positions for the mounting holes through the plate onto the ceiling.
3. **Drill Pilot Holes:** Drill pilot holes of the specified diameter and depth for your ceiling type (wood joists, concrete).
4. **Secure the Plate:** Attach the ceiling plate using the provided lag bolts (for wood) or concrete anchors and bolts (for concrete). Ensure all fasteners are tightened securely.
5. **Wall Mounting Option:** If mounting to a wall using the 90° cathedral ceiling plate, follow similar steps, ensuring the wall can support the weight and using appropriate wall anchors.

4.3. Attaching the Extension Column

1. **Connect Column:** Securely attach the adjustable extension column to the ceiling plate using the designated bolts and locking mechanisms.
2. **Adjust Height:** Loosen the adjustment mechanism on the extension column. Extend or retract the column to achieve the desired display height (39.59 to 63.21 inches from the ceiling).
3. **Lock Height:** Once the desired height is set, securely tighten the locking mechanism to prevent the column from slipping.

4.4. Attaching Display Adapter Plate to Display

1. **Identify VESA Pattern:** Locate the mounting holes on the back of your display. Measure the horizontal and vertical distance between them to determine the VESA pattern.
2. **Select Hardware:** Choose the correct diameter and length of VESA screws, washers, and spacers from the provided hardware kit that fit your display.
3. **Attach Plate:** Carefully attach the display adapter plate to the back of your display using the selected VESA hardware. Ensure it is centered and securely tightened. Do not overtighten.

4.5. Mounting the Display to the Column

1. **Lift Display:** With assistance, carefully lift the display with the attached adapter plate.
2. **Hook onto Column:** Engage the display adapter plate with the mounting mechanism on the extension column. Follow the specific instructions for your model to ensure it hooks securely.
3. **Secure Display:** Use the provided safety screws or locking pins to secure the display to the column, preventing accidental disengagement.

5. Operating Instructions

5.1. Adjusting Display Height

The extension column allows for height adjustment. To change the display height:

1. Ensure the display is stable.
2. Carefully loosen the height adjustment locking mechanism on the extension column.
3. With assistance, gently raise or lower the display to the desired position (between 39.59 and 63.21 inches from the ceiling).
4. Once the desired height is achieved, securely tighten the locking mechanism to prevent movement.

5.2. Swiveling the Display

The PCM150 mount features a lockable 360° swivel function for optimal viewing angles.

1. To swivel, unlock the swivel mechanism (if applicable, refer to your specific product's locking method).
2. Gently rotate the display to the left or right to achieve the desired viewing angle.
3. Once positioned, re-engage the swivel lock to secure the display in place.

6. Maintenance

- **Cleaning:** Dust the mount periodically with a soft, dry cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Fastener Check:** Every 6-12 months, inspect all mounting bolts and screws to ensure they are still securely tightened. Re-tighten if necessary.
- **Movement Check:** Periodically check the swivel and height adjustment mechanisms for smooth operation. If any resistance or looseness is noted, inspect for wear or damage.
- **Damage Inspection:** If the mount shows any signs of damage, wear, or corrosion, discontinue use and contact Peerless-AV support for advice.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Display is not level.	Ceiling plate or display adapter plate not level.	Re-check the level of the ceiling plate during installation. Some mounts offer post-installation leveling adjustments; consult your specific product manual.
Mount feels loose or wobbly.	Mounting hardware not fully tightened; incorrect hardware used; mounting surface not strong enough.	Ensure all fasteners are securely tightened. Verify that the correct hardware was used for your ceiling type. If the mounting surface is inadequate, consult a professional.
Difficulty adjusting height or swivel.	Locking mechanism engaged; debris in mechanism; overtightened components.	Ensure all locking mechanisms are disengaged before attempting adjustment. Clean any visible debris. Do not force adjustments; inspect for obstructions.
Display does not fit the mount.	Incorrect VESA pattern; display too heavy.	Verify your display's VESA pattern and weight against the mount's specifications. The PCM150 supports VESA from 100x100 to 600x400mm and up to 150 lbs.

8. Specifications

Model Number:
PCM150

Brand:
Peerless-AV

Compatible Display Sizes:
43 to 90+ inches

Load Capacity:
150 lbs (68 kg)

VESA Compatibility:
100x100mm to 600x400mm

Height Adjustment:
39.59 to 63.21 inches (from ceiling to display center)

Swivel:
360° (lockable)

Mounting Type:
Ceiling Mount (Flat, Sloped, Wood, Concrete), Wall Mount (with 90° cathedral ceiling plate)

Product Dimensions:
6 x 25 x 63 inches (packaging/overall dimensions)

Color:
Multicolor

Manufacturer:
Peerless

9. Warranty and Support

For warranty information, technical support, or to inquire about replacement parts, please contact Peerless-AV customer service directly. Refer to the official Peerless-AV website or the documentation included with your purchase for the most current contact details and warranty terms.

Website: www.peerless-av.com

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