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Maclean MC-110

Maclean MC-110 T Electric TV Ceiling Mount User Manual

Model: MC-110 T

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1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Maclean MC-110 T Electric TV Ceiling Mount. This motorized mount is designed to securely hold televisions ranging from 43 to 86 inches, with a maximum weight capacity of 45 kg. It features electric tilt adjustment up to -80 degrees and can be controlled via an included remote or the Tuya Smart Home application.

Please read this manual thoroughly before installation and retain it for future reference. Proper installation and use are crucial for safety and optimal performance.

2. Safety Information

WARNING: Failure to read and follow all instructions may result in personal injury, property damage, or voiding of warranty. The manufacturer is not responsible for damage or injury caused by incorrect assembly or use.

- Ensure the mounting surface (ceiling) can safely support the combined weight of the mount and your television.
- Do not exceed the maximum load capacity of 45 kg (99 lbs).
- This product is intended for indoor use only.
- Use only the provided mounting hardware or suitable alternatives specified by the manufacturer.

- Keep children and pets away during installation.
- Always disconnect power before performing any maintenance or adjustments.
- If you have any doubts about installation, consult a qualified professional.

3. Package Contents

Verify that all components are present and undamaged before proceeding with installation. If any parts are missing or damaged, contact your retailer for assistance.



Image: All components included with the Maclean MC-110 T Electric TV Ceiling Mount, showing the main mount unit, remote control, power adapter, various screws, washers, spacers, and Allen keys.

- Maclean MC-110 T Electric TV Ceiling Mount Unit
- Remote Control
- Power Adapter (AC 100~240V, 50/60Hz)
- Mounting Screws for Ceiling (ST6.3x55)
- TV Screws (M6x14, M8x16, M6x30, M8x35)
- Washers and Spacers
- Allen Keys
- Cable Ties
- Installation Instructions (this manual)

4. Specifications

Feature	Specification
Model	MC-110 T

Feature	Specification
Screen Size Compatibility	43 - 86 inches
Maximum Load Capacity	45 kg (99 lbs)
Tilt Adjustment Range	0° to -80°
Levelling Adjustment	+/- 2°
VESA Compatibility	200x100, 200x200, 300x200, 400x200, 300x300, 400x300, 600x200, 400x400, 600x300, 600x400, 800x400 mm
Control Methods	Remote Control, Tuya App
Materials	Powder-coated steel, plastic, aluminium
Power Supply	AC 100~240V, 50/60Hz
Power Cable Length	1.8 m
Dimensions (Folded)	780 x 864 x 496 mm (approximate, refer to diagram)

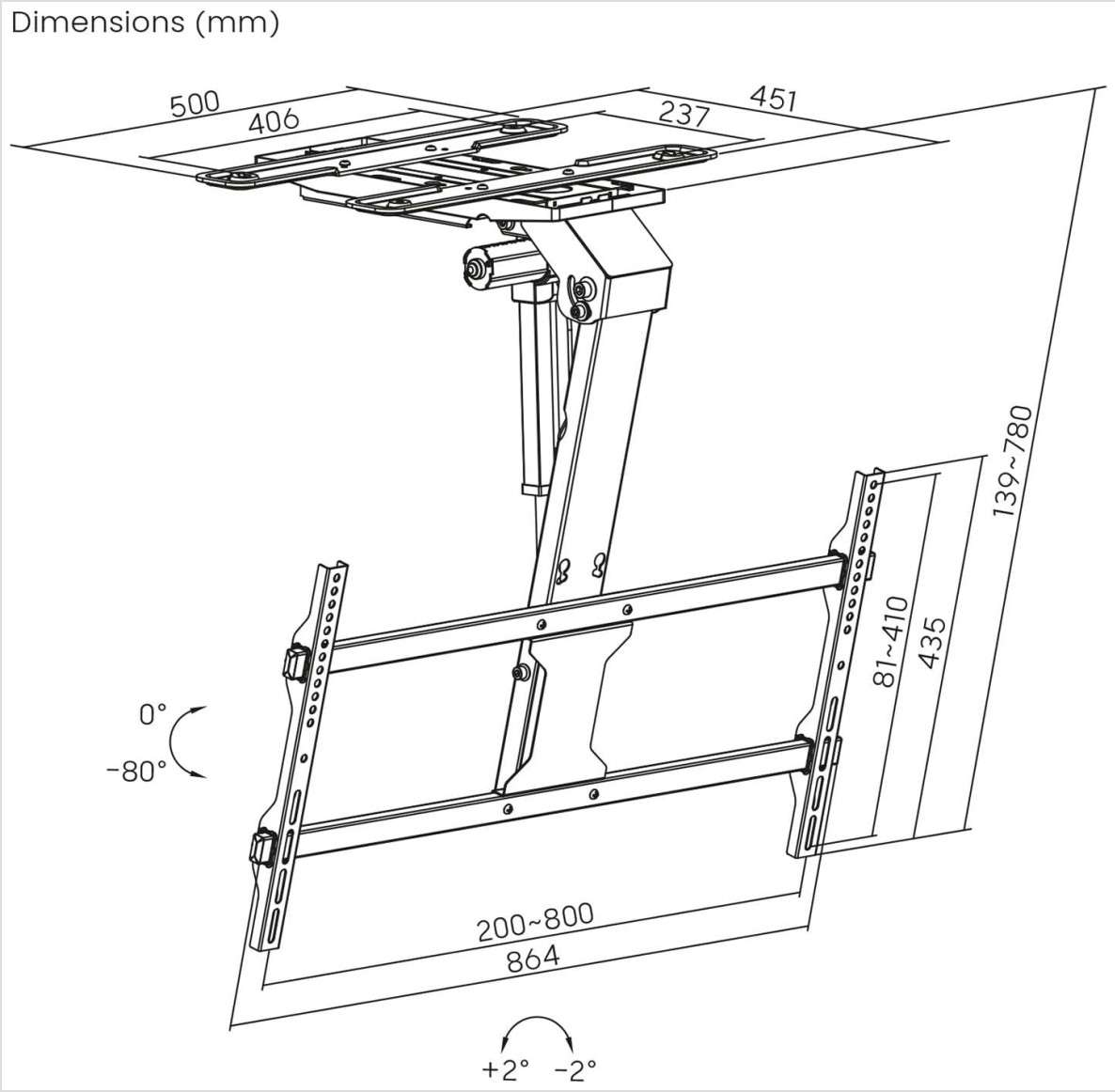


Image: Visual representation of the mount's compatibility, indicating support for 43-86 inch TVs, a maximum weight of 45 kg, and various VESA patterns.



Image: Detailed technical drawing illustrating the dimensions of the ceiling mount in millimeters, including the mounting plate, arm length, and TV bracket measurements, along with tilt range indicators.

5. Setup and Installation

Tools Required: Drill, stud finder, level, screwdriver, measuring tape, pencil.

5.1 Pre-Installation Checks

- **Ceiling Type:** Ensure your ceiling is suitable for mounting. This mount is designed for solid concrete or wood stud ceilings. For other ceiling types, consult a professional.
- **Weight Capacity:** Confirm your ceiling can support at least four times the combined weight of the mount and your TV.
- **TV Compatibility:** Verify your TV's size (43-86 inches) and VESA pattern match the mount's specifications.

5.2 Mounting the Ceiling Plate

1. Locate the desired mounting position on the ceiling. Use a stud finder to locate ceiling joists if applicable.
2. Place the ceiling plate against the ceiling and mark the drill holes. Ensure it is level.
3. Drill pilot holes according to the marked positions. For concrete ceilings, insert wall anchors.
4. Secure the ceiling plate to the ceiling using the provided ST6.3x55 screws. Ensure all screws are tightened securely.

5.3 Attaching TV Brackets to the TV

1. Carefully place your TV face down on a soft, clean surface.
2. Identify the VESA mounting holes on the back of your TV.
3. Select the appropriate TV screws (M6x14, M8x16, M6x30, M8x35) and spacers from the package that fit your TV.
4. Attach the vertical TV brackets to the back of your TV using the selected screws and spacers. Ensure the brackets are centered and securely fastened.

5.4 Mounting the TV to the Ceiling Unit

1. With assistance, carefully lift the TV with the attached brackets.
2. Hook the TV brackets onto the main arm of the ceiling mount. Ensure the TV is securely seated.
3. Engage any safety locks or screws to prevent accidental dislodgement.

5.5 Cable Management

Route all necessary cables (power, HDMI, etc.) through the designated cable management channels on the mount. Use the provided cable ties to keep cables neat and secure, preventing interference with the mount's movement.

5.6 Initial Power-Up and Testing

1. Connect the power adapter to the mount and plug it into a power outlet.
2. Use the remote control to test the basic up/down movement and tilt functions.
3. Ensure the TV moves smoothly without obstruction.

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6. Operating Instructions

6.1 Remote Control Functions



Image: The remote control and a smartphone displaying the Tuya app interface, highlighting the smart home control capabilities of the mount.

- **UP/DOWN Buttons:** Control the vertical movement of the TV.
- **OK Button:** Confirms selections or stops movement.
- **SET Button:** Used for pairing or setting memory positions.
- **MEM1/MEM2 Buttons:** Save and recall preferred viewing positions. To set a memory position, move the TV to the desired angle, then press and hold SET until the indicator light flashes, then press MEM1 or MEM2.

6.2 Tuya App Integration

The Maclean MC-110 T can be integrated into your smart home system via the Tuya Smart app.

1. Download the 'Tuya Smart' app from your smartphone's app store.
2. Register or log in to your Tuya account.
3. Follow the in-app instructions to add a new device. The mount will typically be discovered as a 'Curtain Switch' or similar motorized device.
4. Once paired, you can control the mount's movement and set schedules or routines through the app.

6.3 Tilt Adjustment and Levelling



Image: A visual representation of the mount's electric tilt function, showing the TV tilting downwards up to -80 degrees, and the +/- 2 degree leveling adjustment for precise screen alignment.

The mount allows for electric tilt adjustment from 0° (flat against the ceiling) down to -80° for optimal viewing angles. Use the remote control or Tuya app to adjust the tilt. The mount also features a ±2° levelling function to ensure the TV is perfectly horizontal after installation. This can usually be adjusted manually or via specific remote/app settings if available.

7. Maintenance

- **Cleaning:** Wipe the mount with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Periodic Checks:** Periodically check all screws and connections to ensure they remain tight and secure.
- **Motor Care:** The electric motor is designed for long-term, quiet operation. Avoid forcing the mount's movement manually, as this can damage the motor.

8. Troubleshooting

Problem	Possible Cause	Solution
Mount does not move.	No power; Remote battery low; Remote not paired; Obstruction.	Check power connection; Replace remote batteries; Re-pair remote (refer to remote instructions); Remove any obstructions.
Remote control not responding.	Batteries depleted; Remote out of range; Interference.	Replace batteries; Move closer to the mount; Reduce potential interference sources.
TV is not level.	Initial installation not perfectly level; Adjustment needed.	Use the ±2° levelling adjustment feature (consult specific instructions for adjustment method).
Mount makes unusual noises.	Loose components; Obstruction; Motor issue.	Check all mounting screws; Ensure no cables or objects are interfering; If noise persists, contact support.
Tuya App cannot connect to the mount.	Wi-Fi issue; Incorrect pairing mode; App error.	Ensure stable 2.4GHz Wi-Fi; Re-enter pairing mode on the mount; Restart app/phone.

9. Warranty and Support

Maclean products are manufactured with quality and durability in mind. This product comes with a manufacturer's warranty against defects in materials and workmanship. The specific warranty period may vary by region and retailer.

For warranty claims, technical support, or replacement parts, please contact your original retailer or visit the official Maclean website for customer service information. Please have your model number (MC-110 T) and proof of purchase ready when contacting support.

Manufacturer: Maclean

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