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M-Wave COLLECTOR P170

M-Wave COLLECTOR P170 Bicycle Wall Mount Instruction Manual

Model: COLLECTOR P170

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1. PRODUCT OVERVIEW

The M-Wave COLLECTOR P170 is a robust and versatile wall mount designed for convenient bicycle storage. This mount is engineered to securely hold bicycles with wheel sizes ranging from 26 to 29 inches, provided they do not have a front fender and have a maximum tire width of 3 inches. It features a stable, rotatable design, allowing for a 170° swivel to optimize space. The mount is foldable when not in use, further enhancing space efficiency. It is suitable for electric bicycles, supporting a maximum weight of 30 kg. An integrated rear wheel support protects your wall from dirt and marks.



Figure 1.1: M-Wave COLLECTOR P170 wall mount with a bicycle in position.

2. SAFETY INFORMATION

Please read and understand all instructions before installation and use. Failure to follow these instructions may result in property damage or injury.

- **Wall Suitability:** Ensure the mounting surface (wall) is structurally sound and capable of safely supporting the combined weight of the mount and the bicycle (up to 30 kg). Consult a professional if you are unsure about your wall's capacity.
- **Weight Limit:** Do not exceed the maximum weight capacity of 30 kg (66 lbs). Overloading can cause the mount to fail.
- **Proper Installation:** Use appropriate tools and mounting hardware suitable for your specific wall type (e.g., concrete, brick, wood studs). Always drill pilot holes as recommended.
- **Secure Fasteners:** Regularly check all screws and fasteners to ensure they remain tight and secure. Loose fasteners can compromise stability.
- **Children and Pets:** Keep children and pets away from the installation area during setup and ensure the mounted bicycle is stable and out of reach to prevent accidents.
- **Bicycle Compatibility:** This mount is designed for bicycles with 26-29 inch wheels, without a front fender, and a maximum tire width of 3 inches. Do not attempt to mount incompatible bicycles.

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.

- Main Wall Mount Unit (foldable arm and wall bracket)
- Rear Wheel Support
- Mounting Hardware (screws, wall anchors)
- Instruction Manual (this document)



Figure 3.1: Main wall mount unit, extended view.



Figure 3.2: Rear wheel support component.

4. SETUP & INSTALLATION

Follow these steps carefully to install your M-Wave COLLECTOR P170 wall mount.

1. **Choose Location:** Select a suitable wall location that is structurally sound and has enough clear space for the bicycle when mounted and rotated. Consider the height to comfortably lift your bicycle onto the mount.
2. **Mark Drilling Points for Main Mount:** Hold the main wall bracket against the chosen location. Use a pencil to mark the positions for the mounting holes. Ensure the bracket is level.
3. **Drill Holes for Main Mount:** Using an appropriate drill bit for your wall type and the provided anchors/screws, drill pilot holes at the marked positions.
4. **Secure Main Mount:** Insert wall anchors (if required) into the drilled holes. Position the main wall bracket and secure it firmly to the wall using the provided screws. Ensure it is tightly fastened and stable.
5. **Position Rear Wheel Support:** Place your bicycle on the main mount. Mark the position on the wall where the rear wheel support should be installed to prevent the rear wheel from touching the wall. The support should be centered with the rear wheel.
6. **Mark and Drill for Rear Wheel Support:** Mark the drilling points for the rear wheel support. Drill pilot holes as done for the main mount.
7. **Secure Rear Wheel Support:** Attach the rear wheel support to the wall using the provided hardware.

8. **Final Check:** Gently test the stability of both the main mount and the rear wheel support. Ensure all screws are tight before hanging your bicycle.



Figure 4.1: Illustrative view of the installed wall mount with a bicycle.

5. OPERATING INSTRUCTIONS

Using your M-Wave COLLECTOR P170 wall mount is straightforward.

- **Unfolding the Mount:** If the mount is in its folded position, gently pull the arm outwards until it locks into the extended position.
- **Mounting the Bicycle:** Carefully lift your bicycle and place the top tube onto the main support arm. Ensure the bicycle is balanced and the rear wheel rests against the rear wheel support.
- **Rotating the Bicycle:** The main mount allows for a 170° rotation. To adjust the angle, gently push or pull the bicycle to the desired position. The rotation mechanism is designed to hold the bike securely at various angles.
- **Folding the Mount (when not in use):** To save space, remove the bicycle. Then, gently push the support arm upwards or inwards until it folds flat against the wall.

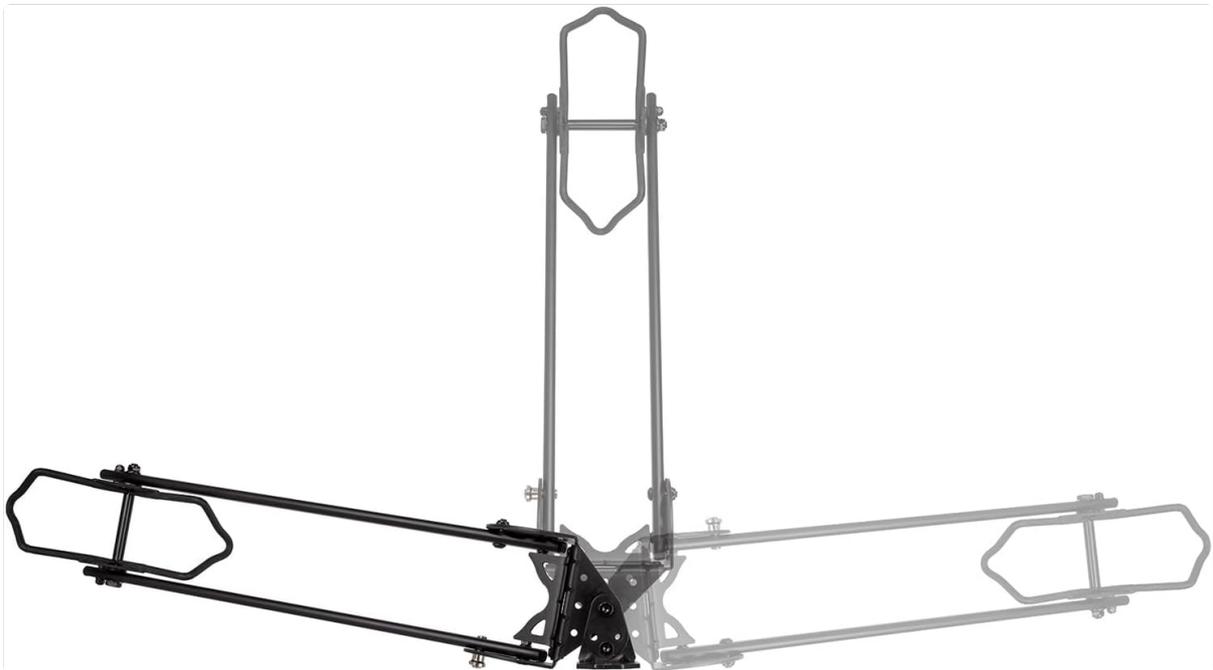


Figure 5.1: Illustrates the folding and 170° rotation of the mount.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your M-Wave COLLECTOR P170 wall mount.

- **Cleaning:** Wipe the mount periodically with a damp cloth to remove dust and dirt. Avoid abrasive cleaners.
- **Fastener Check:** Every few months, or if you notice any instability, re-check all mounting screws and fasteners. Tighten them if necessary.
- **Moving Parts:** The folding and rotating mechanisms are designed for durability. If movement becomes stiff, a small amount of silicone-based lubricant can be applied to the pivot points.

7. TROUBLESHOOTING

If you encounter issues with your M-Wave COLLECTOR P170, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Mount feels unstable after installation.	Loose mounting screws; unsuitable wall material; overloaded.	Ensure all screws are tightened. Verify wall integrity and use appropriate anchors. Do not exceed 30 kg weight limit.
Mount does not fold or rotate smoothly.	Dirt or debris in pivot points; lack of lubrication.	Clean pivot points. Apply a small amount of silicone-based lubricant to moving parts.
Bicycle does not fit on the mount.	Bicycle wheel size or tire width is incompatible; front fender present.	Ensure bicycle meets specifications: 26-29 inch wheels, max 3 inch tire width, no front fender.

8. SPECIFICATIONS

Feature	Detail
Brand	M-Wave
Model Name	COLLECTOR P170
Color	Black
Product Weight	2.25 Pounds (approx. 1.02 kg)
Material	Unknown (as per manufacturer data)
Product Dimensions (L x W x H)	73.3 cm x 17.5 cm x 17.5 cm
Maximum Weight Capacity	30 Kilograms
Compatible Wheel Size	26-29 inches
Maximum Tire Width	3 inches
Rotation Angle	170°
UPC	887539044480

9. WARRANTY AND SUPPORT

For detailed warranty information, product support, or to inquire about replacement parts, please refer to the official M-Wave website or contact the retailer from whom you purchased the product. Keep your proof of purchase for warranty claims.