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› ASHATA 43mm Dovetail Rail Plate for Telescopes and Smartphones (Model 5P9858A) - User Manual

ASHATA 5P9858A

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1. INTRODUCTION

The ASHATA 43mm Dovetail Rail Plate is a versatile accessory designed to enhance the functionality of your astronomical equipment. It provides a stable and secure mounting platform for various devices, including finder scopes, smartphones, and other accessories, to your telescope or bracket. Constructed from high-quality aluminum alloy, this plate ensures durability and ease of use.

2. PRODUCT FEATURES

- **Wide Compatibility:** Extends the use of telescope finder scope bases, suitable for telescopes, finder scopes, and smartphone mounts.
- **Durable Construction:** Precisely manufactured from all-metal aluminum alloy for long-lasting performance.
- **Easy Installation:** Designed for simple connection and disassembly without the need for additional tools.
- **1/4 Inch Screw Hole:** Features a standard 1/4 inch screw hole for connecting various photographic and astronomical accessories, such as tripods and smartphone holders.
- **Smartphone Integration:** Facilitates easy attachment of mobile phones to astronomical telescopes for recording observations.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x ASHATA Dovetail Rail Plate (43mm)
- 1 x 1/4 Inch Mounting Screw

4. SETUP INSTRUCTIONS

4.1 Attaching the Dovetail Rail Plate

The dovetail rail plate is designed to be mounted onto a compatible dovetail base, typically found on telescopes or mounting brackets. Ensure the base is clean and free of debris before attachment.



Figure 1: Bottom view of the dovetail rail plate, illustrating the mounting grooves.

4.2 Connecting Accessories

The plate features a central 1/4 inch threaded hole for attaching various accessories. Use the provided 1/4 inch screw to secure your device.



Figure 2: Top view of the dovetail plate, showing the 1/4 inch threaded hole and accompanying screw.

4.2.1 Attaching a Smartphone Holder

To attach a smartphone holder, align the holder's 1/4 inch screw mount with the threaded hole on the dovetail plate. Insert the screw and tighten it securely by hand until the holder is stable.



The dovetail plate is precise manufactured from all metal alloy
Easy connection and disassembly, without the use of tools



Figure 3: Example of a smartphone securely mounted to a telescope via the dovetail plate.

4.2.2 Attaching a Finder Scope

For finder scopes with a 1/4 inch mounting point, follow the same procedure as for the smartphone holder. Ensure the finder scope is oriented correctly for observation.

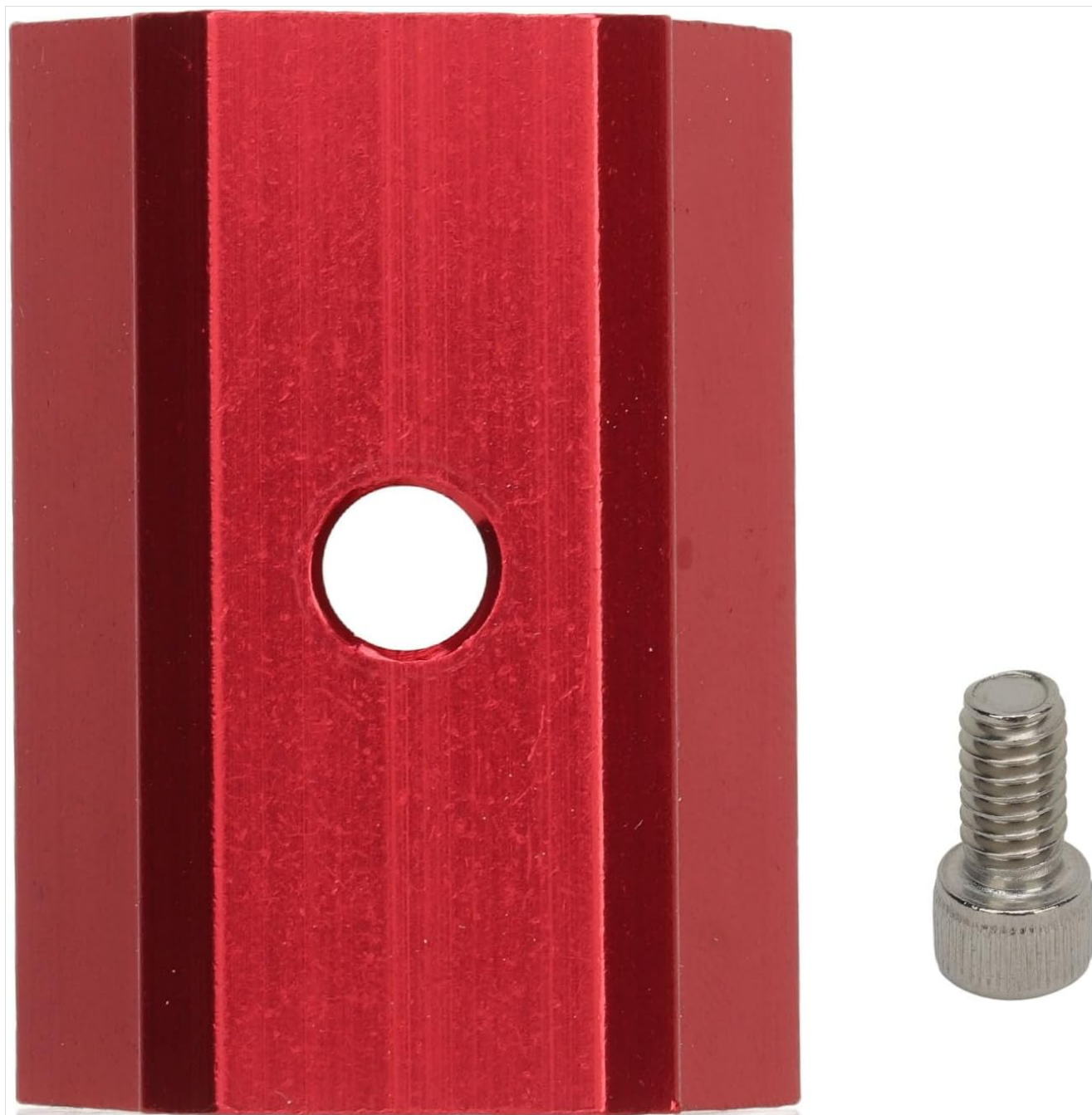


Figure 4: A finder scope attached to a telescope using the dovetail plate.

5. OPERATING INSTRUCTIONS

Once the dovetail rail plate and your desired accessory are securely mounted, you can proceed with your astronomical observations or astrophotography. The plate provides a stable base, allowing you to adjust your telescope and attached devices as needed.

- **For Smartphones:** Use your smartphone's camera application to capture images or videos through the telescope eyepiece (with an appropriate adapter) or to use planetarium apps for navigation.
- **For Finder Scopes:** Align your finder scope with your main telescope for easier targeting of celestial objects.

6. MAINTENANCE

To ensure the longevity and optimal performance of your ASHATA Dovetail Rail Plate, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the plate with a soft, dry cloth to remove dust and fingerprints. For stubborn dirt, a slightly damp

cloth can be used, followed by immediate drying. Avoid abrasive cleaners or solvents.

- **Storage:** Store the plate in a dry, clean environment when not in use to prevent corrosion or damage.
- **Inspection:** Periodically check the screw and the plate for any signs of wear or damage. Ensure all connections remain secure.

7. TROUBLESHOOTING

If you encounter any issues with your dovetail rail plate, consider the following:

- **Loose Connection:** If an attached device feels wobbly, ensure the 1/4 inch screw is fully tightened. Do not overtighten, as this may damage the threads.
- **Incompatible Device:** Verify that your accessory has a standard 1/4 inch threaded mounting point. The dovetail plate is not designed for accessories with different mounting standards.
- **Difficulty Attaching to Base:** Ensure your telescope or bracket has a compatible dovetail base. The plate should slide in smoothly. Do not force it.

For further assistance, please contact ASHATA customer support.

8. SPECIFICATIONS

Item Type	Dovetail Rail Plate
Brand	ASHATA
Model	5P9858A
Material	Aluminum Alloy
Dimensions (Approx.)	43mm (Length)
Weight (Approx.)	35-50g / 1.2oz
Mounting Screw	1/4 inch
Compatible Devices	Telescopes, Finder Scopes, Smartphones, Photography Tripods
Waterproof	No
Recording Function	No (Accessory for recording)

9. WARRANTY AND SUPPORT

This ASHATA product is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact ASHATA customer service.

If you require technical support, have questions about product usage, or need to report a defect, please visit the official ASHATA website or contact their customer support team through the retailer where the product was purchased. Please have your product model number (5P9858A) and purchase information ready when contacting support.

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and use this page's manual context to help answer it.

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