

INSTRUCTION MANUAL

Orion® Starshoot™ AllSky Camera Roof Mount

#5862



Parts List

- Roof mount bracket
- Adapter plate
- 4x short Hexagonal head screws
- Hexagonal Allen Key
- 3x Philips head screws
- 3x Wall plugs
- 3x Nuts
- 3x Bolts

Required tools (Not supplied)

- Tamper proof Allen key (supplied with Starshoot AllSky Camera)
- Small Philips head screwdriver
- Dowel or small screwdriver (for making holes)
- Tube of outdoor waterproof silicon sealant

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Customer Support (800) 676-1343

E-mail: support@telescope.com

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89 Hangar Way, Watsonville, CA 95076

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1. Installation of the adapter plate to AllSky Camera

In order to install the roof mount to the Orion Starshoot AllSky Camera (SASC) the adapter plate will need to be attached to the base of the SASC. To attach the adapter plate the dome lid will first need to be removed. Use the tamper proof Allen key that came with your SASC to unscrew each of the 4 tamper proof screws located on the top lid of the SASC.

Be careful not to hit the acrylic dome with the Allen key, screws or other hard objects.

Also be careful not to lose the non standard tamper proof Allen key that came supplied with your SASC. (Replacement Allen keys sold separately by Orion)

Carefully lift the top lid directly upwards to remove it from the bottom base.

Be careful not to touch the lens to avoid having to clean it. Place the lid in a safe location. *(Cleaning supplies sold separately by Orion)*

Remove the rubber feet attached to the bottom of the SASC using a Philips head screwdriver. These screws are fastened internally with nuts and silicon sealant. A pair of small pliers may be necessary to hold the nut while the screw is being unscrewed.

Next 4 holes need to be made through the black EVA material on the bottom of the SASC. The pre made holes in the aluminum housing can be seen from the inside of the dome.

Use a dowel or small screwdriver to carefully poke a hole through the black EVA material until a hole large enough to fit the screw is made. The safest way to do this without damaging the electronic components inside is to drive the hole from the inside of the dome to the outside. Remove any access material from the hole to allow a clean thread.

Once 4 holes are made, partially screw in the 4 Hexagonal head screws to test the fit **(Figure 2)**.

Remove the screws, align the adapter plate to holes on the bottom of the SASC and tightly screw in the 4 screws back onto the bottom of the SASC using the supplied Hexagonal Allen key **(Figure 3)**.



Figure 1. The roof mount bracket and adapter plate.

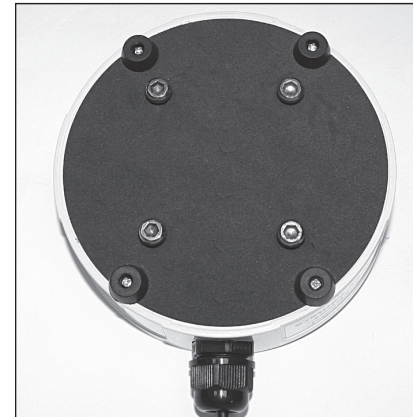


Figure 2. Placement of Hexagonal head screws.



Figure 3. Adapter plate attached to bottom of SASC.

In order to ensure a weather proof seal, the holes made in the previous step and the holes from the rubber feet will need to be sealed from the inside of the dome by applying a small amount of silicone over the screws and holes from the inside of the SASC. Follow the instructions on the silicone to allow for drying time before using the SASC outdoors. **This is an important step in order to keep the internal components safe from the elements and allow the heater and fan within the SASC to work efficiently.**

The dome lid can now be re-attached to the base. To re-attach the dome lid carefully line up the groove on the inside of the top lid with the notch on the inside of the bottom base and gently allow the top lid to drop into place. The top lid should now be seated evenly and all 4 screws lined up ready for installation.

Using the tamper proof Allen key, gently tighten each screw until a small amount of resistance is felt, then move onto the next screw. Repeat for all screws. Next tighten each screw more firmly and evenly across all 4 screws to help ensure a weatherproof seal.

2. Installation of Bracket to Adapter Plate

Screw in the bracket into the center of the adapter plate then rotate the plastic wheel to ensure a tight fit. Use the clamp on the side of the mount select desired angle and tightly fasten the clamp **(Figure 4)**.

3. Installation of Bracket to Wall/Roof

The included screws & wall plugs (or optionally nuts and bolts) can be used to secure the bracket base to a wall or roof.

Your Orion Starshoot AllSky Camera is now ready for use. Please follow instructions found within the AllSky manual for operating instructions.



Figure 4. Adapter plate attached to Roof mount bracket.



Figure 5. The adapter plate can also be attached to a standard tripod.

Specifications

- 160mm x 110mm diameter
- Al-Alloy Material
- Weight 276g
- Max Load 3Kg
- CE Certified, RoHS Certified

One-Year Limited Warranty

This Orion StarShoot AllSky Camera Roof Mount is warranted against defects in materials or workmanship for a period of one year from the date of purchase. This warranty is for the benefit of the original retail purchaser only. During this warranty period Orion Telescopes & Binoculars will repair or replace, at Orion's option, any warranted instrument that proves to be defective, provided it is returned postage paid to: Orion Warranty Repair, 89 Hangar Way, Watsonville, CA 95076. If the product is not registered, proof of purchase (such as a copy of the original invoice) is required.

This warranty does not apply if, in Orion's judgment, the instrument has been abused, mishandled, or modified, nor does it apply to normal wear and tear. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. For further warranty service information, contact: Customer Service Department, Orion Telescopes & Binoculars, 89 Hangar Way, Watsonville, CA 95076; (800) 676-1343.

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