

Operating instructions



Omegon® EQ370 Mount

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Omegon® EQ 370 Mount

Congratulations on the purchase of the new Omegon® EQ 370 Mount. This mount will give you hours of fun. It is the ideal start into visual observations. From simple operation via manual controls to full imaging setup with computer control this mount – when upgraded with the optional Upgrade Kit – the EQ370 does it all.

The Omegon® EQ 370 Mount is a powerful tool. You should take the time to familiarize yourself with the mount and its controls during the day, so that no precious time is wasted under the clear sky. You can do a rough alignment by verifying the alignment star after a look on your astronomy app or planisphere and then check the many options your mount is offering you.

To ensure proper use of the mount, please read this user manual carefully before starting to use it under the night sky.

The EQ 370 mount is a lightweight mount but with a high payload capacity and high precision.



Please install and use the mount in strict accordance with the steps and precautions reminded in this manual, operators shall be responsible for any damage to the equipment or personal injury caused by improper operation.



After installation, carefully check for any interference. Collisions can damage components, causing malfunctions or accuracy issues. Unplug immediately if interference or emergencies occur.



Please be careful when you carry, assemble or disassemble the mount and other heavy components and other equipments used on the mount. Or it may cause damage to the equipments or even personal injury.



Please ensure the entire setup is placed on a stable, flat surface and confirm the tripod has enough capacity and support area to prevent tipping, which could cause equipment damage or personal injury.



If there are children around when using, please pay attention to protecting their safety



Do not wipe the surface with corrosive liquid. Avoid water immersion and exposure to rain.



Unauthorized disassembly is strictly prohibited. Any self-disassembly will result in the warranty being voided.

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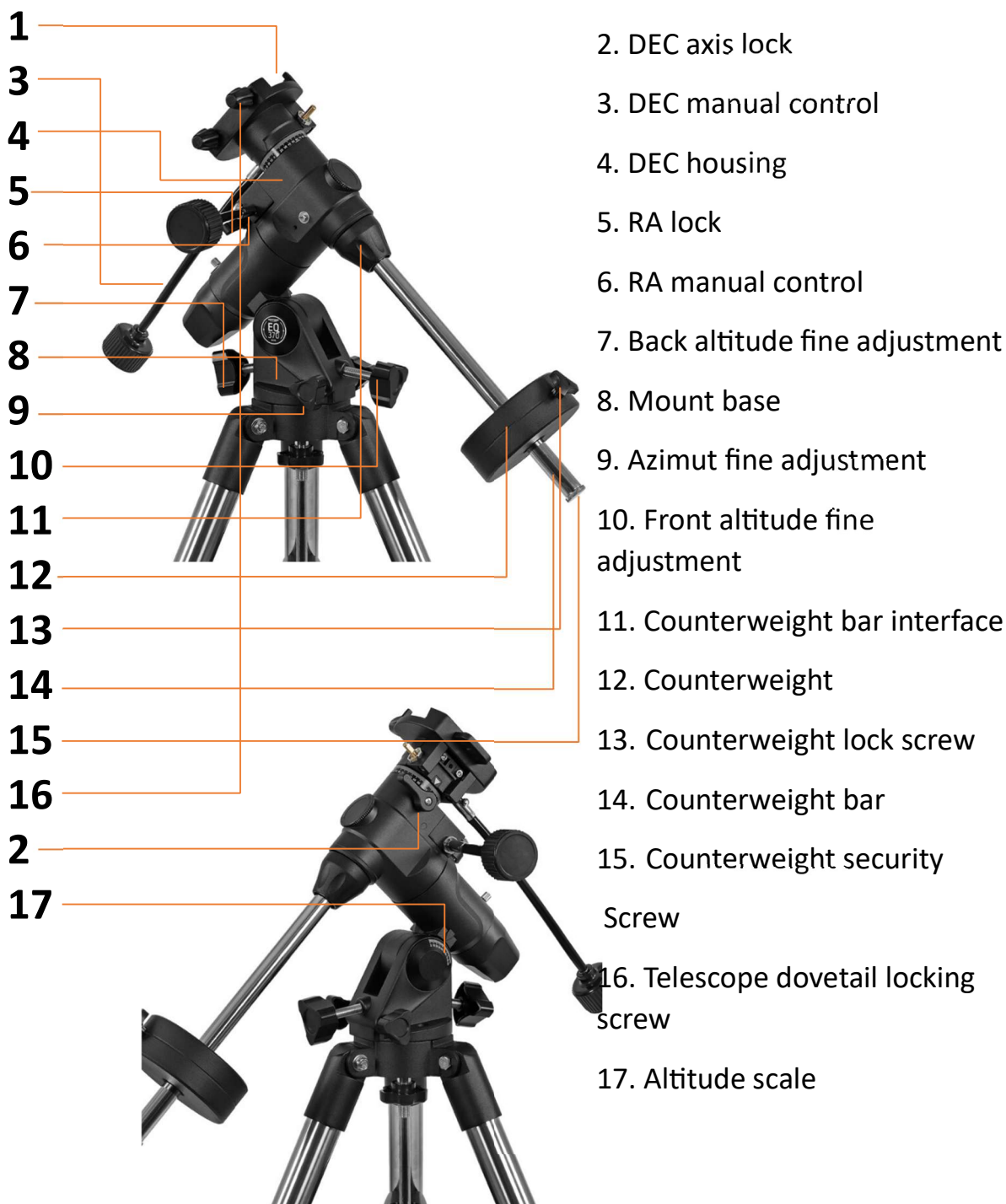
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Components and Installation

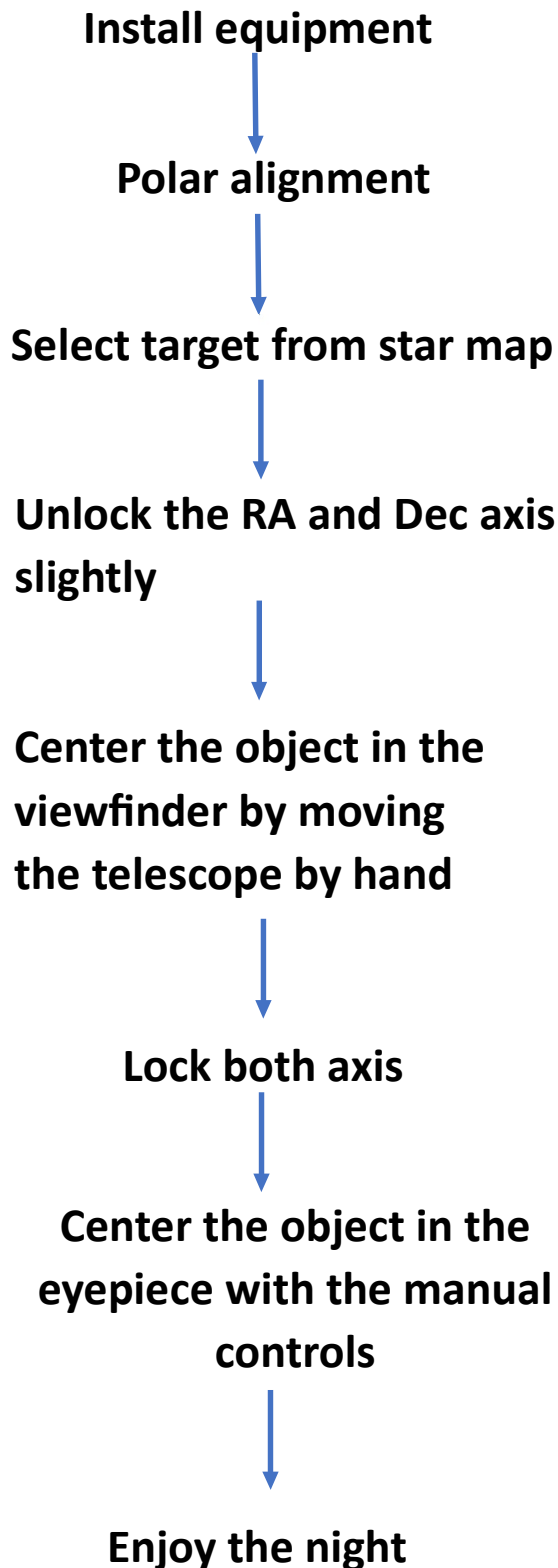


When you start to set up your new Omegon EQ370, remove the tripod from the box, spread the legs and put it onto a level ground. The EQ 370 can be mounted onto the included tripod using the center locking bolt. Place the mount on top of the tripod and screw the Tripod center locking bolt (18) into the mount from below,

using the Mount locking knob (17). Now insert the azimuth and altitude adjustment screws (7/9/10) into their respective threads. Lock the azimuth screws with just a little force. Adjust the altitude with the back screw (7) until the indicator points to the geographical latitude of your observing site. Lock the position with the front altitude fine adjustment screw (10). Remove the spreader bar locking knob (20). Now slide the spreader bar (24) over the tripod center locking bolt and align the three legs of the spreader bar with the three legs of the tripod. Reinsert the spreader bar locking knob (20) and tighten it, securely clamping the spreader bar and the tripod legs together. Then attach the two manual fine controls (Nr. 3 & 6) to the worm axis that are protruding from the mount. Ready – assembly is complete.



Quick Overview





Warranty Statement

Thank you for purchasing the EQ 370 Mount. To ensure you have the best experience with our product, we provide a two-year warranty service for the EQ 370. Below are the specific warranty terms and conditions:

Warranty Period

This product is covered by a two-year warranty starting from the date of purchase.

Warranty Coverage

During the warranty period, if the product exhibits any material or workmanship defects under normal use, we will provide free repair or replacement services. This includes, but is not limited to:

- Mechanical structure damage

Warranty Exclusions

The warranty does not cover the following situations:

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WARNING! Never use a telescope to look at the Sun! Looking at or near the Sun will cause instant and irreversible damage to your eye. Eye damage is often painless, so there is no warning to the observer that damage has occurred until it is too late. Do not point the telescope at or near the Sun. Do not look through the telescope or viewfinder as it is moving. Children should always have adult supervision while observing.

1. **Human-induced damage:** Including but not limited to damage caused by dropping, impact, submersion, excessive use, etc.
2. **Unauthorized repair or modification:** If the product has been repaired or modified by an unauthorized service provider, the warranty will be void.
3. **Accidents or natural disasters:** Including but not limited to fire, earthquake, flood, lightning, etc.
4. **Normal wear and tear:** Such as normal wear and tear, scratches on the exterior, etc.

Warranty Service Procedure

1. **Contact Customer Service:** If your product requires repair, please first contact the after-sales service of the purchase channel or directly contact our customer service center. Provide a detailed description of the fault.
2. **Fault Diagnosis:** We will conduct a preliminary diagnosis of the reported fault via email. If further inspection is needed, we will guide you to send the product to the designated repair center.
3. **Repair or Replacement:** Once the product is confirmed to be within the warranty conditions, we will provide free repair services. If the product cannot be repaired, we will replace it with the same model or an equivalent product of the same value.
4. **Return Shipping:** The repaired or replaced product will be shipped back to you via courier.

Important Notes

☐ Before sending the product, please ensure it is properly packaged to avoid further damage during transit. ☐ When shipping, include a description of the fault.

If you have any questions or need further assistance, please feel free to contact our customer service team. We are dedicated to serving you.

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Customer Service Email: info@nimax.de Thank you for your understanding and support.

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Appendix A – Technical Specifications

- **Weight of the main body** : approx. 4kg (without dovetail & adapter)
- **Payload** : $\leq 8\text{kg}$
- **Note**: payload calculated in the condition that the telescope's center of gravity is 20cm from RA axis
- **Latitude adjustment** : $0^{\circ}\sim 90^{\circ}$
- **Azimuth adjustment** : $-8^{\circ}\sim +8^{\circ}$
- **RA : Worm gear** 144 teeth
- **DEC: worm gear** 144 teeth



The payload capacity is not exactly equal to the total weight of the equipment being mounted. The effective weight that the mount can support depends closely on the center of gravity of the entire setup. Equipment with a higher center of gravity will reduce the mount's loadbearing capacity accordingly. Before installing heavy equipment with a high center of gravity, please ensure it does not exceed the weight limit.