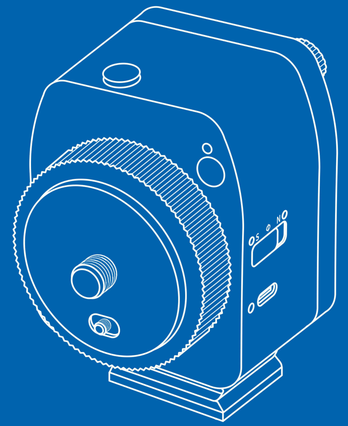
CAPTURE THE STAR WITH

MOVE SHOOT MOVE NOMAD



You can contact us at
support@moveshootmove.com
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Preface

Thank you for purchasing Move Shoot Move NOMAD star tracker

Move Shoot Move NOMAD star tracker is a user-friendly star tracking device. NOMAD enables you to take shots of the night sky and also capture sharp, point-like images of the stars. Not only for beginners in astrophotography, this mount is particularly well suited, but also the astrophotographers with its compaction and affordability. It rotates automatically 15 degrees westward in one hour to compensate the natural rotation of the earth.

We greatly appreciate it if you find any errors. Please report it to MSM.

Safety Precautions

Warning:

To ensure your safety, please read the following instructions carefully before use.

- Do not disassemble or alter any parts of this tracker. Any accessories inside could injure you or harm itself.
- Protect eyes while using the laser pointer and do not aim at planes or keep the laser on for over 30 seconds.
- Remove camera and other equipment while transporting, as collisions in transit can cause bumps or damage.
- Do not apply any grease or oil to this tracker.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the tracker.
- Do not expose the tracker to direct sunlight, rain, dirt and sand.

Before Use

1.Unboxing and Inspection

★ **Verify all parts and components are included, according to the kit you choose.**

	NOMAD	Ball Head	Laser Pointer	Polar Scope	Head Lamp	Wedge	Phone Mount
Starter Kit	✓	✓	✓				
Basic Kit	✓		✓				
Basic Kit B	✓			✓			
Basic Kit C	✓		✓	✓			
Phone Kit	✓	✓					✓
Pro Kit A	✓			✓	✓	✓	
Pro Kit B	✓		✓		✓	✓	
Complete Kit	✓		✓	✓	✓	✓	
NOMAD Only	✓						

★ **Check for any damage during shipping.**

★ **Testing basic functions to ensure the device is working correctly before shooting.**

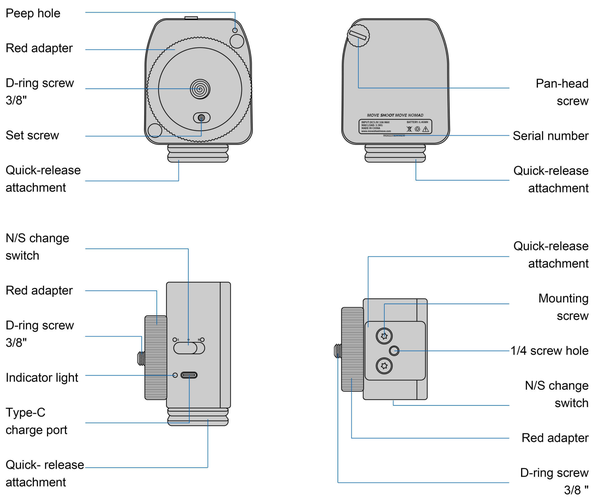
2.Safety Precautions

★ **Read all safety instructions.**

★ **Verify the stability of the ground or surface where the equipment will be placed.**

★ **Handle all components with care to avoid damage or injury.**

Parts Description



Steps Overview

Here is an overview of steps to astrophotographing using NOMAD. For detailed descriptions for each step, refer to Steps in detail.

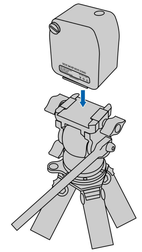
1. Mount NOMAD to a Tripod
2. Perform Polar Alignment for NOMAD
3. Mount Your Camera to NOMAD
4. Check Polar Alignment Again & Make Adjustment if Needed
5. Turn on NOMAD & Start Shooting

Steps in Detail

▶▶▶Step 1: Mount NOMAD to a Tripod

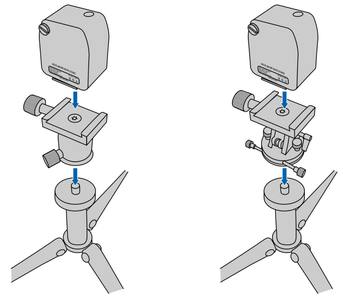
★ **Option 1. Mount NOMAD Directly to Tripod**

Install NOMAD directly onto the tripod head. Ensure your tripod has a quick-release plate or a 3/8" screw. Place the tripod on a stable and solid surface. Adjust the height by extending the tripod legs.



★ **Option 2. Mount to a Ball Head or Wedge**

Screw a ball head or a wedge onto the tripod's threaded stud and tighten it securely. Remove the quick-release plate from the ball head or wedge platform.
Slide NOMAD into the clamp of the ball head or wedge and tighten the locking knob.



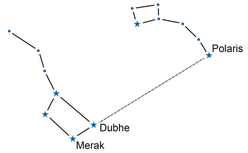
▶▶▶Step 2: Perform Polar Alignment for NOMAD

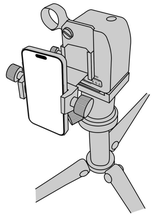
Polar alignment is a process of aligning the axis of an equatorial mount with the Polaris in the Northern Hemisphere, and Sigma Octantis in the Southern Hemisphere. NOMAD is designed to rotate any camera attached to it at the same speed as the earth's rotation in an opposite direction.

★ **Polar Alignment for the Northern Hemisphere**

Polaris is the brightest star near the North Celestial Pole. Use a laser pointer or a polar scope or mobile applications such as Stellarium help you pinpoint its exact location. Once you've found Polaris, adjust your ball head or wedge to align your equipment properly.

If you have trouble locating Polaris, please refer to the following instruction. To locate Polaris, find the Big Dipper pointer stars Dubhe and Merak. Draw an imaginary line from Merak through Dubhe, and extend it straight until you reach Polaris, located in the Little Dipper.





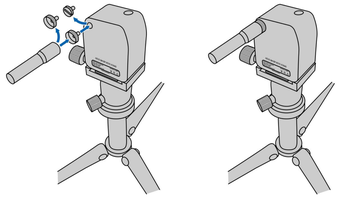
★ **Polar Alignment for the Southern Hemisphere**

Finding Sigma Octantis in the Southern Hemisphere by polar scope can be challenging for starters. Southern hemisphere users are recommended to use mobile applications such as Stellarium to find the location of Sigma Octantis. Once you've located Sigma Octantis, adjust your ball head or wedge to achieve proper polar alignment.

★ **Option 1. Polar Alignment with Laser Pointer Only**

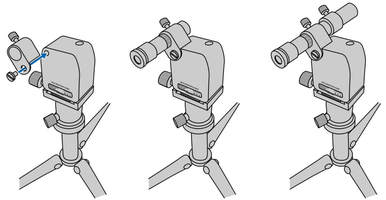
Unscrew the front cap of the laser pointer and screw the red adapter onto it. Thread the laser pointer into NOMAD with the adapter.

⚠ **Note:** Please remove the insulating spacer from the laser pointer battery before use.



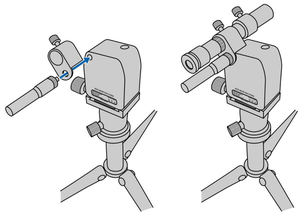
★ **Option 2. Polar Alignment with Polar Scope Only**

Unscrew the red pan-head screw of NOMAD and attach the mount to NOMAD.Insert the polar scope into the mount and fasten it using the nylon screw.Attach the fluorescent illuminator to the head of polar scope, securing it with the nylon screw.



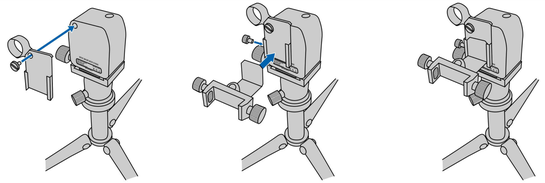
★ **Option 3. Polar Alignment with Laser Pointer and Polar Scope**

Remove the red pan-head screw from NOMAD and screw the red adapter onto the laser pointer.Attach the mount to NOMAD by threading the laser pointer into NOMAD.Insert the polar scope into the mount and fasten it using the nylon screw. Attach the fluorescent illuminator to the head of polar scope, securing it with the nylon screw.



★ **Option 4. Polar Alignment with Phone Only**

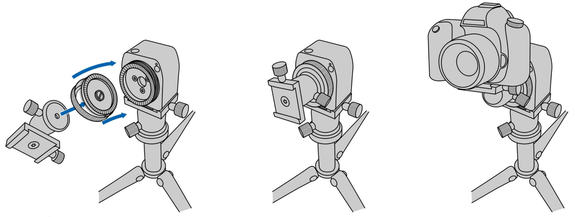
Remove the red pan-head screw from the NOMAD. Attach the phone mount adapter to the backside of NOMAD using the red cap. Slide the phone mount into the adapter and secure it using the nylon screw.Attach your phone to the holder, aligning the edges of phone with the edges of NOMAD.



▶▶▶ Step 3. Mount Your Camera to NOMAD

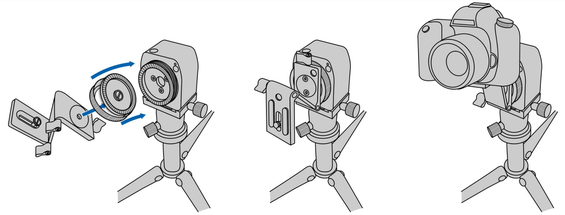
★ **Option 1. Mount using a Ball Head**

Unscrew the red adapter from NOMAD and attach it to a ball head using the D-shaped screw. Reattach the red adapter and ball head back to NOMAD.Attach a quick-release plate to the base of your camera , mount the camera onto the top ball head, and secure it by tightening the locking knob. Adjust the top ball head to set the desired camera angle.



★ **Option 2. Mount using a Z-Mount or V-Mount**

Unscrew the red adapter from NOMAD and attach it to a Z-Mount or V-Mount using the D-shaped screw. Reattach the red adapter part and Z-Mount or V-Mount back to NOMAD.Attach a Z-Mount or V-Mount to the base of your camera, and secure it by screwing. Adjust the Z-Mount or V-Mount to set the desired camera angle.



⚠ **Note:**Please tighten the set screw with the Allen Key.This tutorial demonstrates basic use. Users are encouraged to explore upgrades and enhance skills for more professional results.

▶▶▶ Step 4. Verify Polar Alignment

Recheck the polar alignment to ensure NOMAD hasn't shifted while mounting other equipment. If there's any slight movement, repeat the polar alignment again following step three.

▶▶▶ Step 5. Start Shooting

Once everything is set up, you're ready to enjoy your shoot and capture stunning star images with Move Shoot Move. Select 'N' for the Northern Hemisphere or 'S' for the Southern Hemisphere.

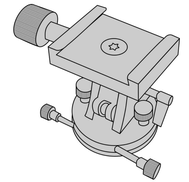
Specifications

NOMAD Star Tracker	
Tracking Modes	Northern Hemisphere Mode / Southern Hemisphere Mode
Material	Anodized Aluminum, CNC Machined
Dimension	3.5X2.6X2.16 Inches (89X67X55 mm)
Weight	0.95 Pounds (430 g)
Max. Load Capacity	7.7 Pounds (3.5 kg)
Battery	6.46 Wh
Battery Duration	About 5 hours
Unlimited Battery Life	Able to work while charging with an external power bank.
Input Voltage	DC 5.0V 1.0A Max
Operating Temperature	-5°C~45°C (No Condensation)

Optional Accessories

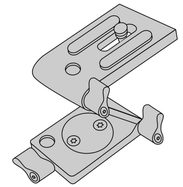
Wedge

The MSM Wedge is designed for precise pole alignment, similar to a ball head but with finer adjustment capabilities. It features four knobs and one handle for multi-directional adjustments, allowing you to set your tracker or camera at various angles. On top of the quick-release plate has a standard 1/4" threaded screw so that you can attach anything with a 1/4" threaded screw upon it.



Z-Mount / V-Mount

The MSM Z-Mount / V-Mount is designed for versatile shooting angles, supporting low angle / high angle / vertical / horizontal / lifting height shooting. Z-Mount / V-Mount allows for easy and precise angle adjustments, making it ideal for a variety of shooting scenario. Despite its compact form, it can support cameras weighing up to 4kg (8.8lbs), offering a stable platform for a diverse range of camera models.



Rechargeable Headlamp

The MSM rechargeable headlamp is designed for astrophotography light. It features two separate buttons for red light and white light respectively. With its long-lasting rechargeable battery, portability, and multiple lighting modes, it has become an essential item for any astrophotography enthusiast.

