



Instruction Manual

The **Starfield Pier-1000B** is a next-generation portable pier designed for astrophotographers and visual observers who want observatory-like stability in a field-ready platform. A redesigned internal leg deployment system and a rigid **hex-core center column** deliver smooth setup, excellent torsional stiffness, and confident tracking for German EQ, Alt/Az, and strainwave/harmonic-drive mounts.

This instruction manual will detail the operation of the Starfield Pier 1000B tri-pier. The Starfield Pier-1000B has been designed for stability for astrophotography setup for medium size mounts. The base plate has a 3/8 threaded screw that is compatible with most modern mounts on today's market. Mounts such as the ZWO AM3/5 series, Skywatcher Wave Mount, Rainbow Astro and other harmonic mounts that utilize a 3/8 thread tripod connection. The Tri-Pier can also be used with other manufacturers mounts when the Starfield Uni-Plate is added. Mounts from Celestron, Skywatcher, iOptron and more can be used with the Uni-Plate mount adapter.

What is in the Box:

Starfield Tri-Pier 1000B

3/8 Mount adapter

3x retaining thumb screws

Specifications

- **Material:** High-grade laser-cut steel
- **Construction:** Welded frame, CNC precision bending
- **Column design:** Hexagonal profile
- **Finish:** Powder coated steel and anodized aluminum
- **Leg deployment:** Fully enclosed internal slide mechanism / bearing
- **Feet:** Quick-adjust vibration-dampening feet with locking collars
- **Leveling range:** 55mm (2") per foot
- **Weight:** 22 lb (10 kg)
- **Payload capacity:** 180 lb
- **Included:** Carry bag + built-in carry handle
- **Top plate:** Universal top plate included with 3/8" bolt

Tri-Pier Features and Parts

Fully Open Position



Legs fully extended and in locked position

Carry Handle



Built in carry handle.

Fully Closed Position



Legs fully closed and ready to be transported

Leveling Foot



Leveling leg. Adjust to desired height and level.
Secure foot with locking nut.

3/8 Top Plate



Locking Pin



The Top plate can be removed to secure the mount to the Pier. Secure the plate with the provide thumb screws.

Opening the Pier

To open the Pier, place the pier, while in the closed position on the ground with the feet touching the ground. Pull the locking pin and turn it 90 degrees and let it rest in the open position. Slightly move the legs out away from the pier. One method to open the pier is to grab the bottom of the pier, and simultaneously press down on one of the pivot points. Each leg will move at the same time. Once in the designed position engaged the locking pin. If the pin does not engage right away press down slightly on the top of the pier and the pier will lock into place.

Do not use the pin with a payload when the pin is not in the locked position. Lock the leveling feet with the locking nuts to stabilize the pier.



Closing the Pier

With the payload removed, pull out the locking pin and turn it 90 degrees to its resting position. The Pier legs can now be pulled into the pier. One way to do this is to rest your foot against one leg and guide the other legs towards the pier. Once the legs are moving the sliding mechanism will guide the pier closed.

Locking Pin Positions

Locking Pin in open Position



Locking pin in Closed Position



!WARNING! - Do not use the pin with a payload when the pin is not in the locked position.

Care and Maintenance

The Starfield Tri-Pier-1000B is designed to provide years of use when maintained and cared for. Do not exceed the recommend load of the pier.

- Do not use in wet locations or leave out in the rain. This will effect the slide mechanism. 3
- If the slide mechanism required lubrication use a light silicon based lubricant. Do not use grease or other heavy lubricants.
- When not in use store in the supplied storage bag
- If the metal surface becomes scratched, clean the area and touch up to prevent rust.