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› Zelnoox TAC-60 Magsafe Digiscoping Adapter Instruction Manual

Zelnoox TAC-60

Zelnoox TAC-60 Magsafe Digiscoping Adapter Instruction Manual

Model: TAC-60

INTRODUCTION

The Zelnoox TAC-60 Magsafe Digiscoping Adapter provides a secure and stable connection for your iPhone to telescopes, spotting scopes, monoculars, binoculars, and microscopes. This adapter allows you to capture high-quality images and videos of distant objects by aligning your phone's camera with the eyepiece. Its robust design and magnetic attachment ensure ease of use and reliability.

Built-in 20 N52 strong magnets.
Available on iPhone 12 series and above.



Image: The Zelnoox TAC-60 Magsafe Digiscoping Adapter, designed for secure phone attachment to optical devices.

WHAT'S IN THE BOX

- Magnetic Telescope iPhone Adapter (1x)
- Metal Ring (1x)

COMPATIBILITY

Phone Compatibility

The adapter is directly compatible with iPhone 12, 13, 14, 15, 16, and 17 Pro Max series, and MagSafe cases. For iPhone 11 and older models, Android phones, or non-MagSafe cases, a metal ring is included to enable MagSafe functionality. Ensure the metal ring is attached securely and allow 24 hours before use for optimal adhesion.

Compatible with iPhone 16/15/14/13/12 Series and magsafe case



Image: The adapter is compatible with iPhone 12-17 series and MagSafe cases. A metal ring is provided for other phone models.

Eyepiece Compatibility

This magnetic digiscoping adapter is designed to fit eyepieces with an outer diameter ranging from 1.1 inches to 2.5 inches (28mm-64mm). It is suitable for most telescopes, spotting scopes, monoculars, binoculars, and microscopes. For microscope use, it is recommended to measure your eyepiece's outer diameter before ordering to ensure proper fit.

Fixingable eyepiece (O.D. 1.1"-2.5"/28mm-64mm)



Image: The adapter's adjustable clamps accommodate eyepieces with outer diameters between 1.1 and 2.5 inches.

SETUP INSTRUCTIONS

Follow these steps to properly set up your Zelnoox TAC-60 Magsafe Digiscoping Adapter:

1. Step 1: Prepare the Adapter and Phone

Release the knob located underneath the magnetic ring on the adapter. Attach the magnetic ring to your iPhone's MagSafe area, ensuring the phone's main camera is centered within the adapter's round hole. Adjust the distance between your iPhone's MagSafe ring and the main camera for optimal alignment. Once aligned, lock the knob by turning it clockwise.

STEP 3



Attach your iPhone to the magnetic ring of the adapter.
Turn on your phone's shooting mode.
Turn the phone left and right to point the main camera at the telescope eyepiece.
(It's best to adjust the shooting mode to portrait mode)

Image: Adjusting the magnetic ring's position to align the phone's main camera with the adapter's central opening.

2. Step 2: Attach Adapter to Eyepiece

Attach the adapter to the eyepiece of your telescope or spotting scope. Use the three locking knobs to secure the adapter firmly onto the eyepiece. Adjust the length of the remaining three locking knobs to ensure the adapter is centered and stable on the eyepiece.

STEP 2



Attach the adapter to the eyepiece of the telescope.
Determine whether the hole is centered on the eyepiece by adjusting the length remaining of the three locking knobs.

Image: Securing the adapter onto the optical device's eyepiece using the three adjustable knobs.

3. Step 3: Attach Phone to Adapter and Initial Alignment

Attach your iPhone to the magnetic ring of the adapter. Turn on your phone's camera application and select a shooting mode. Gently rotate the phone left and right to point the main camera directly at the telescope

eyepiece. For best results, consider adjusting the shooting mode to *Video* or *Portrait* mode.

Better to adjust the shooting mode to **VIDEO** or **PORTRAIT** mode.



Using iPhone 16 Pro Max as an example

Image: The iPhone magnetically attached to the adapter, with the camera aligned to the eyepiece for viewing.

4. **Step 4: Fine-tune Lens Distance**

Rotate the magnetic ring height adjustment knob (forward/backward adjustment) to fine-tune the distance between the phone lens and the round hole of the adapter. This adjustment helps achieve the correct eye relief and capture the clearest possible images and videos.

STEP 1



Release the knob underneath the magnetic ring.
The magnetic ring is attached to the phone's MagSafe, and the main camera is aimed at the center of the round hole.
Adjust the distance from your iPhone's MagSafe ring to the main camera.
Then lock the knob in a clockwise direction.

Image: Adjusting the knob to precisely set the distance between the phone's camera lens and the adapter's opening.

Setup Video Guide

Your browser does not support the video tag.

Video: Official Zelnoox guide demonstrating the setup and use of the magnetic digiscoping adapter.

OPERATING INSTRUCTIONS

Once the adapter and your phone are securely attached and aligned:

- **Camera App Settings:** Open your phone's camera application. Adjust settings such as zoom, exposure, and focus within the app to optimize the image from your optical device.
- **Shooting Mode:** For capturing detailed observations, consider using *Video* mode for moving subjects or *Portrait* mode for still, focused shots, as these modes often provide better control over depth and clarity.
- **Stability:** For best results, use a stable tripod for your telescope or spotting scope to minimize vibrations and ensure sharp images.
- **Focus:** Use the manual focus mechanism of your optical device to achieve a clear image on your phone screen.



Using iPhone 16 Pro Max as an example

Image: An iPhone 16 Pro Max connected to the adapter, showing a clear view through the optical device, demonstrating optimal operation.

MAINTENANCE

To ensure the longevity and optimal performance of your Zelnoox TAC-60 adapter:

- **Cleaning:** Wipe the adapter with a soft, dry cloth after each use to remove dust and debris. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the adapter in a dry, cool place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically check all knobs and screws to ensure they are tight. Do not overtighten.
- **Magnetic Care:** Keep the magnetic surfaces clean and free from metallic particles that could interfere with the magnetic attachment.

TROUBLESHOOTING

Issue: Blurry or distorted image on phone screen.

Solution:

- Ensure the phone camera is perfectly centered over the adapter's hole and the eyepiece.
- Adjust the forward/backward distance of the magnetic ring (Step 4) to achieve proper eye relief.
- Use the focus knob on your telescope/spotting scope to bring the image into sharp focus.
- Clean the phone camera lens and the eyepiece of your optical device.

Issue: Phone does not attach securely or falls off.

Solution:

- Verify your iPhone model is MagSafe compatible or that the metal ring is correctly applied to your phone/case.
- Ensure the magnetic surfaces on both the adapter and your phone/case are clean and free of obstructions.
- If using the metal ring, ensure it has been allowed 24 hours to adhere properly.

Issue: Adapter is loose on the eyepiece.

Solution:

- Tighten the three locking knobs on the adapter evenly until it is secure on the eyepiece. Do not overtighten.
- Confirm your eyepiece's outer diameter is within the compatible range of 1.1"-2.5" (28mm-64mm).

SPECIFICATIONS

Feature	Detail
Brand	Zelnoox
Model Name	telescope iPhone adapter with magnetic attach
Model Number	TAC-60
Eyepiece Compatibility	Outer diameter 1.1"-2.5" (28mm-64mm)
Phone Compatibility	iPhone 12/13/14/15/16/17 Pro Max series (direct MagSafe), other smartphones with included metal ring
Mount Type	Magnetic attachment adapter for telescope eyepieces
Material	Aircraft grade 6061-T6 aluminum with anodized treatment
Product Dimensions (LxWxH)	5.24" x 3.54" x 1.34" (133x90x34mm)
Item Weight	4.3 Ounces (123g)
Magnets	20 N52 neodymium magnet rings

Portable

Weight:
123g / 4.3oz.

Size(LxWxT):
133x90x34mm / 5.24x3.54x1.34"

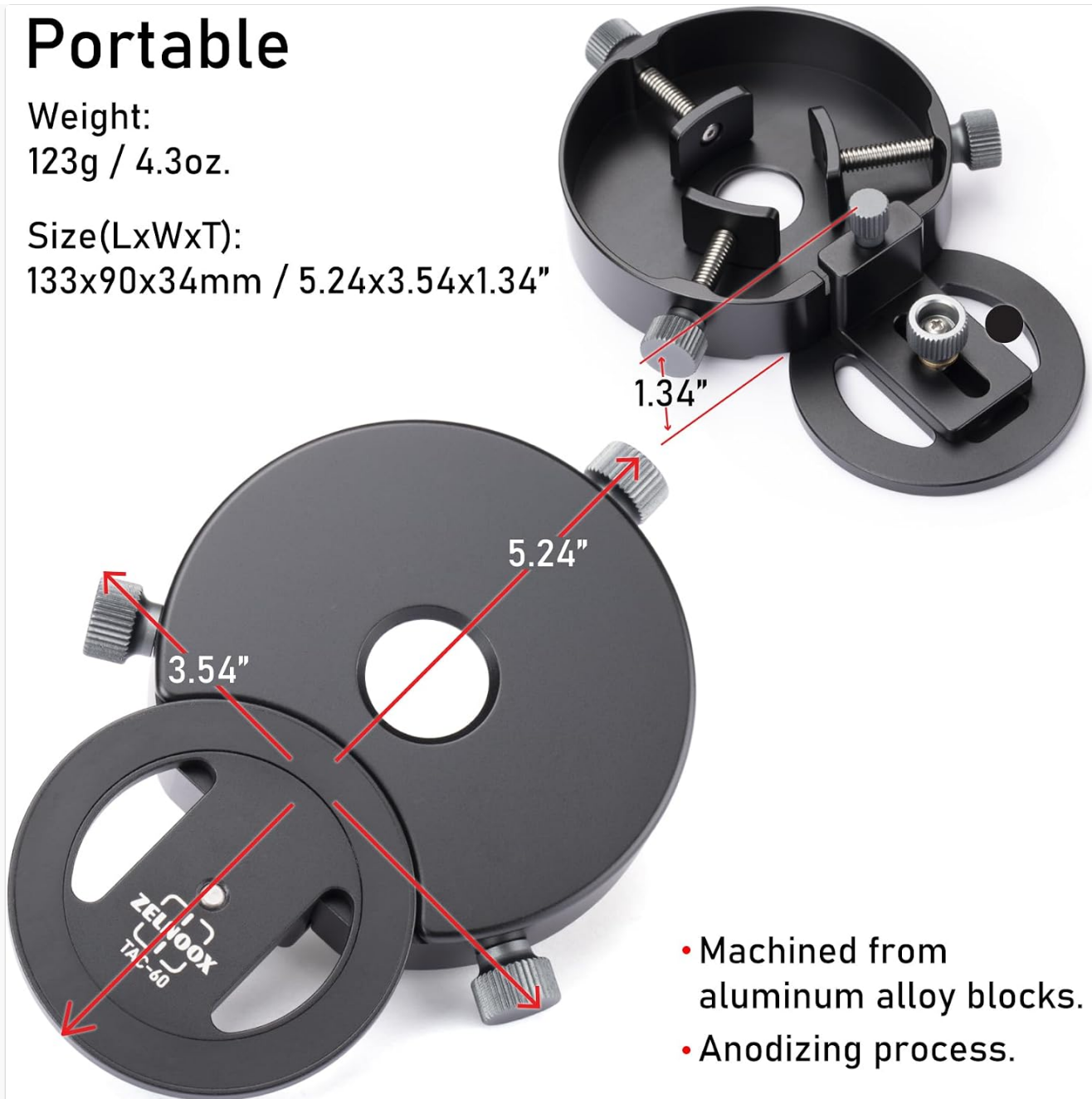


Image: Detailed dimensions and weight of the adapter, highlighting its portable and durable design.

WARRANTY INFORMATION

The Zelnoox TAC-60 Magsafe Digiscoping Adapter comes with a **Lifetime Warranty**. For any warranty claims or issues, please refer to the support section below.

CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please visit the official Zelnoox store on Amazon or contact customer service through your purchase platform.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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