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› [CELTICBIRD 1.25" Telescope Camera T-Adapter \(Model 5\) Instruction Manual](#)

## CELTICBIRD 5

# CELTICBIRD 1.25" Telescope Camera T-Adapter (Model 5) Instruction Manual

Brand: CELTICBIRD | Model: 5

## 1. INTRODUCTION

The CELTICBIRD 1.25" Telescope Camera T-Adapter is designed to facilitate astrophotography by connecting a DSLR or SLR camera to a telescope. This adapter allows you to use your telescope's optics as a camera lens, enabling prime focus photography of celestial objects. Its robust all-metal construction ensures durability and a secure connection.

### Key Features:

- **1.25" to T2 Adapter:** Designed for standard 1.25-inch astronomy focusers.
- **Threaded for Filters:** Accepts standard 1.25-inch astronomy filters.
- **All-Metal Construction:** Anodized aluminum process ensures durability and long-term use.
- **Digiscoping Capability:** Enables the use of your telescope lens as a camera lens.
- **M42x0.75 Adapter:** High-quality adapter for secure camera attachment.

## 2. PACKAGE CONTENTS

Your CELTICBIRD 1.25" Telescope Camera T-Adapter package includes:

- 1x 1.25" Telescope Camera T-Adapter
- 1x Camera T-Mount (specific to your camera brand, e.g., Canon EOS, Nikon, Pentax-K)

*Note: Additional accessories such as T-rings, T2 extension tubes, and specific camera models are not included unless specified in your purchase.*

### 3. SETUP AND INSTALLATION

Follow these steps to correctly assemble and install your T-adapter for astrophotography.

#### 3.1 Components Overview



Image: The CELTICBIRD 1.25" Telescope Camera T-Adapter, showing its robust metal construction and threaded ends.



Image: A view of the T-adapter from another angle, highlighting the threading for filters and the barrel diameter.

### 3.2 Attaching the T-Mount to your Camera

1. **Remove Camera Lens:** Carefully remove the lens from your DSLR/SLR camera body. Ensure the camera sensor is protected from dust.
2. **Attach T-Ring:** Align the T-Mount (camera adapter) with your camera's lens mount. Rotate it clockwise until it clicks into place, securing it to the camera body.
3. **Connect T-Adapter:** Thread the 1.25" Telescope Camera T-Adapter onto the T-Mount. Ensure it is securely tightened.



Image: The T-adapter assembly attached to a camera body, ready for connection to a telescope.

### 3.3 Connecting to the Telescope

- 1. Remove Eyepiece:** Remove any eyepiece from your telescope's 1.25" focuser.
- 2. Insert Adapter Assembly:** Insert the assembled camera and T-adapter into the telescope's 1.25" focuser.
- 3. Secure Connection:** Tighten the thumbscrews on the telescope's focuser to hold the T-adapter assembly firmly in place. Ensure the camera is stable and securely mounted.

### 3.4 Visual Aid: Installation Videos

Your browser does not support the video tag. This video demonstrates the assembly of a 1.25 inch T-adapter and T-ring for Canon EOS cameras, showing how to connect them for telescope use.

Video: Assembly of a 1.25" T-Adapter and T-Ring for Canon EOS Cameras.

Your browser does not support the video tag. This video illustrates the process of attaching Canon cameras to a 1.25 inch telescope focuser using an all-metal adapter.

Video: Attaching Canon Cameras to a 1.25" Telescope.

Your browser does not support the video tag. This video showcases a combination kit for connecting a camera and telescope, demonstrating its utility for astrophotography.

Video: Useful Combination Kit for Connecting Camera and Telescope.

## 4. OPERATING INSTRUCTIONS

Once the T-adapter and camera are securely attached to your telescope, you are ready to begin astrophotography.

- Camera Settings:** Set your camera to manual focus and manual exposure mode. The T-adapter does not support autofocus or automatic aperture control.
- Focusing:** Use your telescope's focuser knobs to achieve sharp focus. It may require fine adjustments to get a clear image on your camera's live view or through test shots.
- Exposure:** Experiment with different ISO settings, shutter speeds, and white balance to capture the desired image. Longer exposures are often required for faint celestial objects.
- Filters:** If using 1.25" astronomy filters, thread them into the barrel of the T-adapter before inserting it into the focuser.

## 5. MAINTENANCE

Proper care and maintenance will extend the life and performance of your T-adapter.

- Cleaning:** Use a soft, lint-free cloth to wipe the exterior of the adapter. Avoid using harsh chemicals or abrasive materials.
- Storage:** Store the T-adapter in a clean, dry place, preferably in its original packaging or a protective case, when not in use.
- Thread Care:** Keep the threads clean and free of debris to ensure smooth attachment and removal.

## 6. TROUBLESHOOTING

If you encounter issues, consider the following common solutions:

- Cannot achieve focus:** Ensure your camera is set to manual focus. Adjust the telescope's focuser slowly and carefully. Some telescopes may require an additional extension tube for optimal focus with certain camera setups.
- Loose connection:** Double-check that both the T-mount is securely attached to the camera and the T-adapter is firmly seated in the telescope's focuser with the thumbscrews tightened.
- Image quality issues (dark corners, vignetting):** This can sometimes occur due to the sensor size of your camera relative to the telescope's light path. Ensure all connections are clean and free of obstructions.
- Camera not recognizing adapter:** The T-adapter is a mechanical connection and does not transmit electronic signals. Your camera should be operated in manual mode.

## 7. SPECIFICATIONS

Feature	Detail
Product Dimensions	4 x 4 x 3 inches
Item Weight	0.704 ounces
Item Model Number	5
Brand	CELTICBIRD
Compatible Devices	Camera (DSLR/SLR with appropriate T-ring)
Focus Type	Manual Focus (via telescope focuser)
Material	All-metal (Anodized Aluminum)
UPC	730637251543

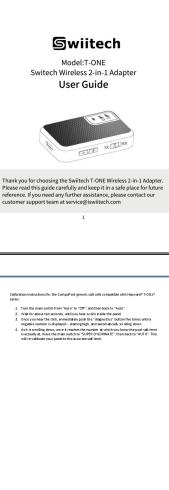
## 8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the manufacturer's official website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

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### Related Documents - 5

	<p><a href="#"><u>Pioneer Inc. SS-2003 Shop Supply Catalog: Automotive Tools &amp; Parts</u></a></p> <p>Explore the comprehensive Pioneer Inc. SS-2003 Shop Supply Catalog, featuring a wide range of automotive tools, shop supplies, chemicals, fasteners, and accessories for professional mechanics and automotive enthusiasts. Find quality parts for engine, transmission, and more.</p>
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 <p>USA Fencing Penalty Chart Version Number 2020</p>	<p><b>USA Fencing Penalty Chart: Offenses and Penalties</b></p> <p>Official penalty chart from USA Fencing detailing offenses, articles, and corresponding penalties for sanctioned fencing competitions. It outlines yellow, red, and black card sanctions, along with specific penalty touches and exclusions.</p>
 <p>USA Fencing Penalty Chart Version Number 2020</p>	<p><b>USA Fencing Penalty Chart and Rules</b></p> <p>Official penalty chart for USA Fencing competitions, detailing offenses, corresponding articles, and sanctions including Yellow, Red, and Black Cards, and P-Cards.</p>
 <p>Noirot Spot Plus  Electric Convection Panel Heater Digital Timer Model  Operating &amp; Installation Instructions  In Order To Qualify For Your Manufacturer's Warranty, Please Complete The Online Registration  <a href="#">REGISTER ONLINE</a></p> <p>421™/421®/41</p>	<p><b>Noirot Spot Plus Electric Convection Panel Heater: Operating &amp; Installation Instructions</b></p> <p>Comprehensive guide for the Noirot Spot Plus Electric Convection Panel Heater, covering digital timer operation, installation, safety precautions, and warranty information. Learn how to set up, use, and maintain your heater for optimal performance and safety.</p>
 <p>Swiitech Model T-ONE Switch Wireless 2-in-1 Adapter User Guide  There are four choices for the Swiitech T-ONE Wireless 2-in-1 Adapter. Please read this guide carefully and keep it in a safe place for future reference. If you need any further assistance, please contact our customer support team at <a href="mailto:support@swiitech.com">support@swiitech.com</a></p> <p>1</p>	<p><b>Swiitech T-ONE Wireless 2-in-1 Adapter User Guide</b></p> <p>Comprehensive user guide for the Swiitech T-ONE Wireless 2-in-1 Adapter, detailing its features, specifications, basic operation, pairing modes (TX/RX), connecting to various devices like TVs and speakers, troubleshooting, and important precautions. Learn how to use this Bluetooth 5.3 adapter for seamless audio transmission and reception.</p>
 <p>CompuPool instructions for the Hayward T-CELL series salt cell calibration. The chart shows the relationship between the salt cell reading and the actual salt level. It includes a table and a graph.</p>	<p><b>CompuPool Salt Cell Calibration Instructions for Hayward T-CELL Series</b></p> <p>Step-by-step guide to calibrating CompuPool generic salt cells compatible with Hayward T-CELL series, ensuring accurate pool salt level readings.</p>