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Tilta TK-IP15-PC-SG

Tilta Khronos Advanced Kit for iPhone 15 Pro - Space Gray

Model: TK-IP15-PC-SG

1. OVERVIEW

The Tilta Khronos Advanced Kit is designed to enhance the filmmaking capabilities of your iPhone 15 Pro. This kit provides a robust phone case with multiple mounting points, ND filters for exposure control, a PD Focus Handle for precise focus and zoom, and a cooling fan to prevent overheating during extended recording sessions. It transforms your smartphone into a versatile mobile camera rig, offering solutions for various content creation needs.



Figure 1: Tilta Khronos Advanced Kit for iPhone 15 Pro in Space Gray.

2. INCLUDED COMPONENTS

The Advanced Kit includes the following items:

- Khronos iPhone 15 Pro Case – Space Gray (TK-IP15-PFC-SG)
- Khronos Cooling System for iPhone – Space Gray (TK-IP-CS-SG)
- Khronos Focus PD Handle for iPhone – Space Gray (TK-IP-PH-SG)
- Khronos Quick Release Filter Tray for iPhone – Space Gray (TK-IP-FT-SG)
- Khronos Magnetic FSND 0.6 Filter for iPhone (TK-IP-ND6)
- Khronos Magnetic FSND 1.2 Filter for iPhone (TK-IP-ND12)



Figure 2: All components included in the Advanced Kit.

3. SETUP

3.1 Case Installation

1. Carefully place your iPhone 15 Pro into the Khronos case.
2. Secure the case around your smartphone using the four screws located in each corner.

3.2 Accessory Mounting Points

The Khronos case features seven pairs of mounting points around its sides. Most points include electronic contact points to pass power through when using power sources or accessories that require power. Note that the bottom two points function as one single mounting point, and the top two as a second single mounting point.

3.3 Handle Attachment

To attach a handle (e.g., small wooden handle, NATO bracket handle, or top handle):

1. Press the release button on the handle to retract the small metal tabs.
2. Align the handle with any of the mounting points on the case. Ensure the lever (if present) is facing you for proper locking.
3. Press the handle firmly into the mounting point until the tabs engage.
4. Secure the handle by pressing down on the lever.

3.4 Focus PD Handle

The Focus PD Handle provides power to the case and phone, and offers control options for zoom and focus within the Blackmagic app.

1. Connect the USB-C cable from the Focus PD Handle to the iPhone's USB-C port.

2. Attach the Focus PD Handle to a side mounting point on the case using the quick-release mechanism.
3. To power on the handle, hold down the record button. The battery indicator lights will show the charge level.
4. Double-tap the function button to switch between Blackmagic app control (red LED) and native iPhone camera app control (green LED).
5. To pair with the Blackmagic app: Ensure Bluetooth is enabled on your iPhone. Go to Settings > Accessories in the Blackmagic app, select the handle's name, and confirm pairing.
6. To use with the native camera app: Double-tap the function button until the LED is green. You will have shutter and record control, but not focus or zoom.
7. To clear the paired list (for pairing with multiple phones), triple-press the function button until the handle flashes red and green.
8. To control power delivery via USB-C, hold the function button.

3.5 Khronos Quick Release USB-C Hub

The USB-C Hub expands the connectivity of your setup.

1. Attach the USB-C Hub to the bottom of your tripod via the Arca plate or a 1/4"-20 thread with locating points.
2. Connect the iPhone to the USB-C Hub using the provided short USB-C cable.
3. The hub provides a PD USB-C port for external power, two additional USB-C ports for accessories or data transfer, an HDMI port for video output, and a 3.5mm microphone jack for external audio.
4. If using the Focus PD Handle with the USB-C Hub, connect the Focus PD Handle to a side mounting point, and then connect the shorter USB-C cable from the Focus PD Handle into the PD USB-C port on the hub. This allows the Focus PD Handle to power the hub and the iPhone.

3.6 Khronos Cooling System

The cooling system helps prevent your iPhone from overheating during prolonged use.

1. Attach the cooling module to the back of the iPhone case via MagSafe. It will align magnetically.
2. The cooling system can draw power from the case itself via the electronic contact pins on the bottom (if the case is powered by an accessory like the Focus PD Handle) or via its own USB-C port for external power.
3. Once powered, the fans will activate to provide cooling and can also charge the iPhone via MagSafe.

3.7 Khronos Mini LED Panel

The Mini LED Panel provides additional lighting.

1. Attach the Mini LED Panel to any mounting point on the case that has electronic contacts. Note the lip on the side of the light, which ensures it mounts in one specific orientation.
2. Hold the power button on top to turn the light on. Single taps will cycle through intensity levels.
3. This accessory has no internal battery and requires power from the case (via electronic contacts) or an external power source.

3.8 SSD Holder, Cold Shoe Receiver, and NATO Rail

These accessories provide additional mounting and storage options.

- **SSD Holder:** Connects to any mounting point and allows you to mount various SSDs for external recording.
- **Cold Shoe Receiver:** Connects to any mounting point and is suitable for mounting small external monitors, larger LED lights, or traditional video camera microphones.
- **NATO Rail with 1/4"-20 Locating Pins:** Connects to any mounting point and is ideal for rigging the phone via an articulating arm or custom mounts.

3.9 Khronos Filters and Lens Adapters

Enhance your iPhone's camera with specialized filters and lenses.

1. **Filter Tray Holder:** Snap the filter tray holder into place over the iPhone's lenses. Further secure it by clicking down the small tab in the middle.
2. **Magnetic ND Filters:** The included FSND 0.6 and FSND 1.2 filters connect magnetically to the filter tray holder. These allow you to shoot in bright outdoor environments without adjusting shutter speed. To remove, simply pull them off.
3. **Lens Mounts:** Tilta offers Moment M-mount, T-series by Photo Gear, and 17mm threaded lens mount options. These snap into place over the iPhone's lenses, similar to the filter tray holder. Mount lenses by popping them in and twisting.

Your browser does not support the video tag. Please update your browser to view this content.

Video 1: Detailed setup guide and overview of the Tilta Khronos Ecosystem for iPhone, demonstrating the installation and use of various components and accessories.

4. OPERATING INSTRUCTIONS

4.1 General Use

Once your iPhone 15 Pro is securely housed in the Khronos case and desired accessories are attached, you can begin using your mobile camera rig. Ensure all connections are firm before operation.

4.2 Focus PD Handle Operation

- **Power On/Off:** Hold the record button.
- **Mode Switching:** Double-tap the function button to toggle between Blackmagic app control (red LED) and native camera app control (green LED).
- **Focus/Zoom Control:** Use the integrated controls on the handle for precise adjustments within the Blackmagic app.
- **Power Delivery:** Hold the function button to enable or disable power delivery to the iPhone via the USB-C cable.

4.3 Cooling System Operation

The cooling system automatically activates when powered, drawing heat away from your iPhone to maintain optimal performance during extended recording. Ensure it is properly attached via MagSafe and receiving power.

4.4 Mini LED Panel Operation

- **Power On/Off:** Hold the power button on the LED panel.
- **Adjust Intensity:** Single-tap the power button to cycle through different brightness levels.

4.5 Filter and Lens Usage

- **ND Filters:** Snap magnetic ND filters onto the filter tray holder as needed for exposure control in bright conditions. Remove by gently pulling them off.
- **External Lenses:** Attach compatible external lenses to the appropriate lens mount by popping them in and twisting to secure.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the case and accessories. Avoid abrasive materials or harsh chemicals.
 - **Electronic Contacts:** Keep electronic contact points clean and free of debris to ensure reliable power and data transfer.
 - **Storage:** Store the kit and its components in a dry, cool place away from direct sunlight and extreme temperatures.
 - **Filter Care:** Handle ND filters by their edges to avoid fingerprints and scratches. Store them in their protective cases when not in use.
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6. TROUBLESHOOTING

- **Accessory Not Connecting:** Ensure the quick-release tabs are fully retracted before insertion and fully engaged after. Check for any obstructions in the mounting points.
- **No Power to Accessories:** Verify that the main power source (e.g., Focus PD Handle) is charged and properly connected. Ensure electronic contact points are clean.
- **Focus PD Handle App Control Issues:** Confirm Bluetooth is enabled on your iPhone and the handle is correctly paired within the Blackmagic app settings. Ensure the handle's LED is set to the correct mode (red for Blackmagic, green for native camera app).
- **Cooling System Not Activating:** Check that the cooling module is securely attached via MagSafe and receiving power either from the case or an external USB-C source.

7. SPECIFICATIONS

Feature	Detail
Model Number	TK-IP15-PC-SG
Package Dimensions	11.5 x 9 x 4.5 inches
Item Weight	2 pounds
Brand	Tilta
Compatible Devices	iPhone 15 Pro
Color	Space Gray
UPC	810153170600

8. WARRANTY INFORMATION

For detailed warranty information regarding your Tilta Khronos Advanced Kit, please refer to the warranty card included in your product packaging or visit the official Tilta website. Warranty terms and conditions may vary by region and product type.

9. SUPPORT

Should you require further assistance, have questions, or need to troubleshoot issues not covered in this manual, please visit the official Tilta support website. You can find FAQs, additional guides, and contact information for customer service there. Official Tilta Website: [Visit the Tilta Store on Amazon](#)