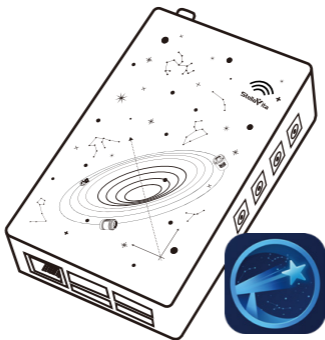


ToupTek Astro

# StellaVita

## Quick Start Guide

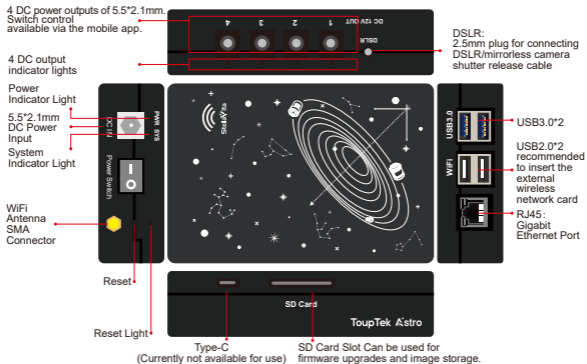


[www.touptek-astro.com](http://www.touptek-astro.com)

# Features Introduction

StellaVita is an intelligent controller designed specifically for astrophotography, catering to both entry-level and professional operation needs. It can effectively manage various types and brands of astronomical photography equipment. With its compact design and powerful performance, StellaVita aims to provide users with a simplified astrophotography experience, making imaging easier.

StellaVita utilizes a high-performance ARM architecture processor as its core hardware and independently develops related hardware circuits and software platforms.



## StellaVita Device Compatibility, App System and Hardware Requirements

### • SDK-Compatible Manufacturers/Devices:

ToupTek Astro (All devices), ZWO (Cameras), QHYCCD (Some models of cameras), PlayerOne (All devices).

### • INDI Platform-Compatible Manufacturers/Devices:

ZWO (Filter wheels, electric focusers, equatorial mounts), QHYCCD (Some models of Filter wheels & electric focusers), ATIK (Cameras), Equatorial mounts based on Onstep settings (Meow, EasyMount, WarpAstron, CLEARSKY, JUWEI, BlackHole, etc.), Gemini (Electric focusers), Astroasis (Electric focusers, filter wheels), Sky-Watcher (Equatorial mounts), iOptron (Most of devices), Celestron (Equatorial mounts), Rainbow (Some models of equatorial mounts).

### • DSLR / Mirrorless Cameras (Ongoing Support Expansion):

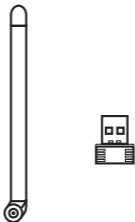
StellaVita supports Canon, Nikon, and Sony DSLR and mirrorless cameras.

For specific supported models and Bulb (B) mode compatibility, please refer to the product detail pages, authorized sales channels, or contact our official email / technical support.

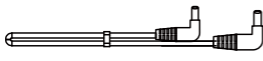
## Packaging Accessories



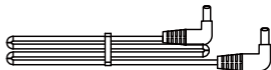
StellaVita Main Body



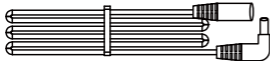
Dual-band Antenna  
& Wireless Network Card



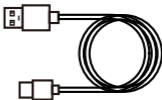
DC Male to Male  
Power Cable x 2 (0.5m)



DC Male to Male  
Power Cable x 2 (1.0m)



DC Male to Female Extension  
Power Cable (1.5m)



USB 3.0 Square Port  
Data Cable (1.5m)

# Connection Instructions

## 1. Hardware Connection

StellaVita connects to all devices via a USB cable.

**Equatorial Mounts:** Refer to your mount manufacturer's guidelines for wired PC connections, then connect the mount to StellaVita accordingly.

- For older mounts, you may need to connect the mount to the StellaVita following the order below:

Mount ➔ RS232 cable of the mount ➔ R232-USB cable ➔ StellaVita.

You can also use a dedicated equatorial mount-to-USB serial adapter cable to connect it to StellaVita.

- For newer mounts with a built-in USB-to-serial chip, a standard USB cable is sufficient.
- No need to worry about driver compatibility. StellaVita supports common serial chip drivers, including CH340, FTDI, and PL2303.

**Camera and Other Devices:** Simply connect your camera and other devices to StellaVita using the appropriate USB cables. StellaVita supports USB hub expansion. Some cooled cameras have USB ports on the back that can serve as data interfaces when connected to StellaVita. However, using multiple or multi-tiered USB hubs may reduce connection stability and transfer speeds.

**Power Supply:** We recommend using a 12V DC power source with at least 2A output. StellaVita has a low standby power consumption of 3-4W. If using StellaVita as a power management hub for other devices, ensure your power input is sufficient for all connected equipment and stays within StellaVita's rated power.

**Warning:** Insufficient power may cause repeated device disconnections or malfunctions.

## 2. Software Connection

### Android App

Official Website of Touptek Astro:

[ Download Center → Software Download ]( <https://www.touptek-astro.com.cn/downloads/>).

Or major Android app stores including: Google Play Store, Tencent App Treasure, Xiaomi App Store, OPPO Software Store, and Huawei AppGallery.

### iOS App

The iOS app will be available for download from the App Store starting in late February 2026.

If you experience any difficulty obtaining the app, please contact Touptek Astro customer service or technical support for assistance.

# Interface Introduction

## Mobile Device

### Battery

### & Time

### Display

### Network

### Status

### Scene Mode

### Resolution

### Show / Hide

### Camera Temperature (Cooling Power)

### Device Connection



## File Storage

### 1. Firmware Upgrade

StellaVita supports two image storage options: internal eMMC storage and external SD card storage, each with its export method.

External SD Card (recommended)

- Works like a DSLR camera - quick and convenient.
- Supports hot-swapping.
- To use an SD card, go to Settings > Misc in the app and select SD Card Storage.
- After capturing images, remove the SD card and transfer files to your computer via a card reader.

### 2. Internal Storage & Wi-Fi Transfer

- After capturing images, connect a computer or other device to StellaVita's Wi-Fi.
- Open the File Explorer and enter \\10.0.10.1 in the address bar.
- If prompted, enter the Username: "as" and Password: "astrostation" to wirelessly access and export images.

# Software Updates

## 1.App Updates

**Android:** For Android and HarmonyOS users, the app can be downloaded from the ToupTek Astro official website or selected app stores.

If you experience any difficulty obtaining the app, please contact ToupTek Astro customer service or technical support for assistance. When updating an existing installation, uninstalling the app and reinstalling a new version may cause changes to the image storage path. Over-the-air (in-place) updates are recommended to avoid this issue.

**iOS:** For iOS users, the app will be available for download and use via the App Store starting in late February 2026.

## 2.OTA Updates

OTA (Over-the-Air) updates can upgrade StellaVita's Core, Indi, and supported astronomy brands' SDKs.

### Check Firmware Version

- Connect your phone/tablet to StellaVita's Wi-Fi and open the App.
- The app will automatically retrieve StellaVita's firmware version.

### Download Update Package

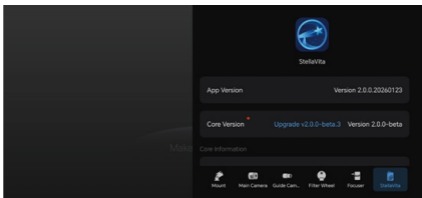
- Connect to an internet network and open the StellaVita app again. The app will automatically check for the available update package. Or open the app and check Settings > Misc > Version. Tap "Check for Update" in the upper-right corner.
- If an update is available, download the package.

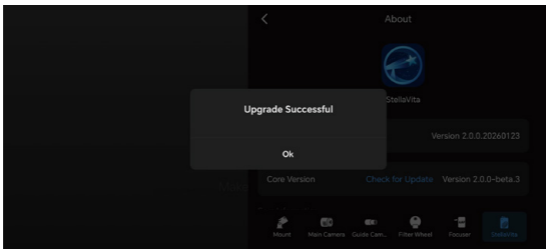
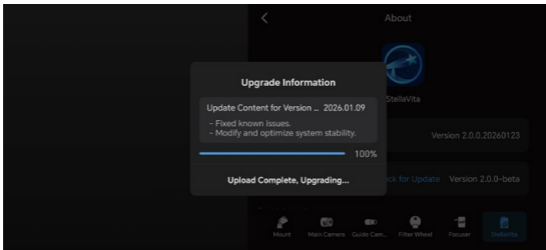
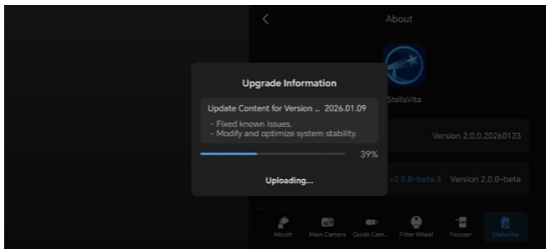
### Install the Update

- After downloading the update package, reconnect to StellaVita's Wi-Fi and open the app. The app will automatically detect if an installable update package is available. Or go to Settings > Misc > Version, and tap "Install Update" to complete the firmware upgrade.



StellaVita App





This guide may be updated without prior notice.

You can find the latest version of the "User Manual" on the **ToupTek Astro** official website.

If you have any questions or suggestions, please contact us via the following email:

***tpa-support@touptek.com***



Facebook@ToupTek Astronomy Cameras



Cloudy Nights@ToupTek Astro



Instagram@touptekastro



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