

# STELLA WI-FI ADAPTER

## WIRELESS TELESCOPE CONTROL

Meet Stella, the Wi-Fi adapter that allows you to wirelessly control your telescope. Now you can control your Meade telescope at a distance without being limited to your handbox cord length. Creating it's own Wi-Fi network or joining other Wi-Fi networks, Stella communicates and aids in controlling your scope.

When paired with our Android and iOS app, **StellaAccess**, you now have a graphical interface for navigating the night sky. With this new adapter, gone are the days of handbox limitations; now you have a full featured planetarium at your fingertips that works in conjunction with your telescope!

Designed for Meade computer-controlled GoTo telescopes, Stella uses the WiFi capabilities built into your Mac, PC, iOS or Android device to point your telescope in the sky.

Many people get lost in the sea of stars, unsure of where to look. Now with Stella and StellaAccess, you can leave your woes behind and explore the skies with ease. See a deep-sky object on StellaAccess that you want to view? With a push of a button, your telescope will point to it. Stella gives you control of your telescope at a distance; keep the handbox at your telescope, and find celestial objects wirelessly.

## COMPATIBLE MEADE TELESCOPES

Stella can wirelessly enable almost any telescope with a standard USB or RS-232 serial interface. Models that have been tested and are known to work with Stella include:

Meade LX-200 Classic and GPS

Meade LX-400 ACF Meade LX-600 / 850 / 80

Meade LS / LT

Meade ETX 80/90/ 125 (when equipped with #497 or AudioStar Controller)

Meade LX 55-75 / 650-750

Meade LX 90/ LX80

Meade Magellan I

Meade Magellan II

Some Meade ETX models (60/80) ship with the Autostar #494 controller. To make Stella work with these scopes, you need to replace the #494 Autostar controller (which does not have a serial port) with the AudioStar (which does). Contact Meade to upgrade your controller.



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## ABOUT STELLA

### How does Stella work?

Stella creates its own 802.11 wireless network. This is an open wireless network called "Stella", but you can rename and secure as you wish. Join this network from any of your qualified devices. As long as your device gets its IP address by DHCP, no additional network configuration is required.

### Battery Life

Stella uses a rechargeable Lithium-Ion battery. It has a typical battery life of 4-8 hours under continuous use and offers a "power-saving mode" to aid in increased battery life. Stella can also be powered from an external source, like USB ports or wall socket. Cables for both AC power (120V, 60Hz) and USB to micro-USB are included.

### Apps, Software and Firmware

To complete your Stella experience, you'll download and use our telescope control application, StellaAccess onto your computer, iPhone, iPad, or iPod Touch or Android device. The Stella WiFi adapter works best with StellaAccess app as well as the SkySafari software. Firmware is upgradable via computer.

Stella is compatible with the following non-Meade telescopes:

Celestron NexStar 5i / 8i / GPS / SLT / SE / Advanced GT  
Celestron AVX / CGE / CGEM / CPC series  
SkyWatcher SynScan  
Orion Sirius / Atlas / SkyView Pro / SkyQuest XTg / StarSeeker / HDX  
iOptron SmartStar / MiniTower  
iOptron iEQ45 with 8406 controller  
iOptron 8407 / 8408 controllers  
Astro-Physics GTO  
Losmandy Gemini  
Vixen SkySensor 2000  
Vixen StarBook / Sphinx  
Sky Commander  
Losmandy DSC  
StellarCAT ServoCAT  
Starmaster Sky Tracker  
SiTech Controller  
Takahashi Temma 2  
Bisque Paramount + TheSkyX  
Tangent Instruments BBox Encoder System (and compatible)  
Celestron AstroMaster  
JMI NGC Max  
Lumicon Sky Vector  
Orion Sky Wizard / IntelliScope  
Takahashi Super Navigator

## PRODUCT SPECIFICATIONS

Product Number	608003
UPC	7 09942 99764 4
Battery Life	4-8 Hours
Wi-Fi Capability	Compatible with 802.11 b/g/n
Mounting	Velcro included for affixing
Power	Rechargeable lithium battery
Connectors	One RS-232 to DB9 male w/ nuts, one USB type "A"
Additional Accessories	AC charger, instruction sheet
Country of Origin	USA

## WI-FI DETAILS

- Device can provide its own Wi-Fi network (called "Stella") and join other Wi-Fi networks, unencrypted or secured, using common security protocols like WEP and WPA.
- The Wi-Fi hotspot will be compatible with iOS7, Android 4, Win 7 and above, Mac OS 10.7
- Device does not use Ad-Hoc Wi-Fi because Android does not support Ad Hoc Wi-Fi
- Supports a DHCP server (acting as its own Wi-Fi network), and a DHCP client (when joining existing Wi-Fi networks).
- Configurable to have a static IP address.
- Supports standard UDP broadcast discovery method so that general consumer app on its network can find its IP address.
- Firmware updates will be delivered over the Wi-Fi interface.
- Device contains a web server for configuring Wi-Fi parameters like SSID, channel, security, passwords, serial port parameters like baud rate and parity; and initial firmware updates.