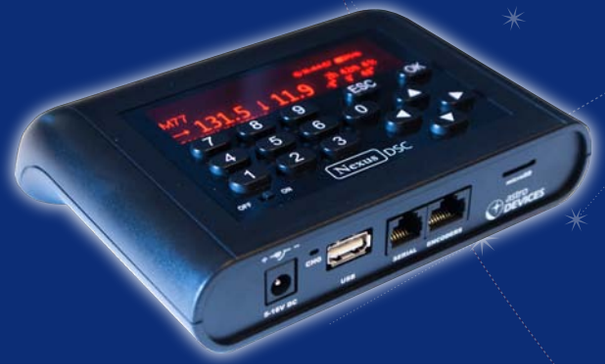
WHAT ARE DSCs?

From the most basic standpoint, Digital Setting Circles (DSCs) act as a GPS for a telescope and show which way it needs to point to see an object. DSCs appeared in the late '80s, replacing the often tricky-to-use analogue setting circles, and have evolved to function as integral navigators to anyone who uses a telescope more than casually.

DSCs are useful in that they speed-up the process of locating celestial objects, lessen the amount of equipment needed in the field, and assist with locating objects in a light-polluted area. DSCs require two encoders, mounting hardware, and the unit itself to work.

Whilst prices and types vary, most DSCs come with their own in-built database of objects (the average range is in the thousands), the ability to connect with a PC/tablet, the ability to interface with planetarium software, and compatibility with equatorial and alt-az mounts. Depending on what level of use you're after, DSCs can be self-contained or require outside software such as a PC/tablet with planetarium programs. Astro Devices makes both types of DSCs with a variety of optional add-ons to enhance user experience.



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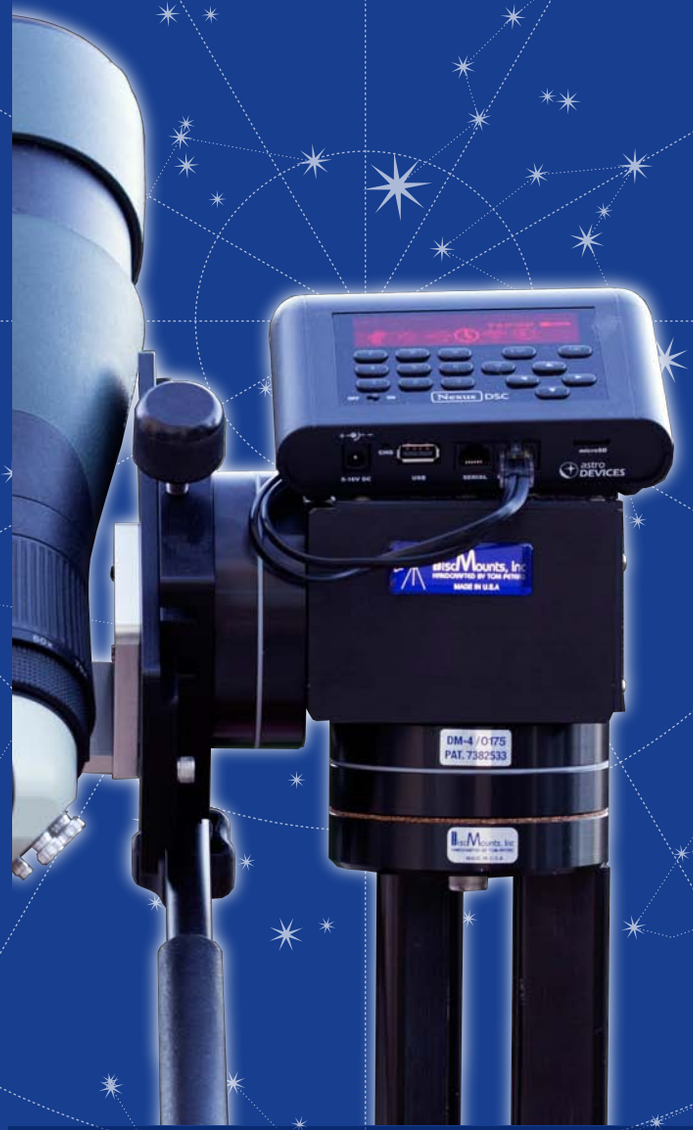


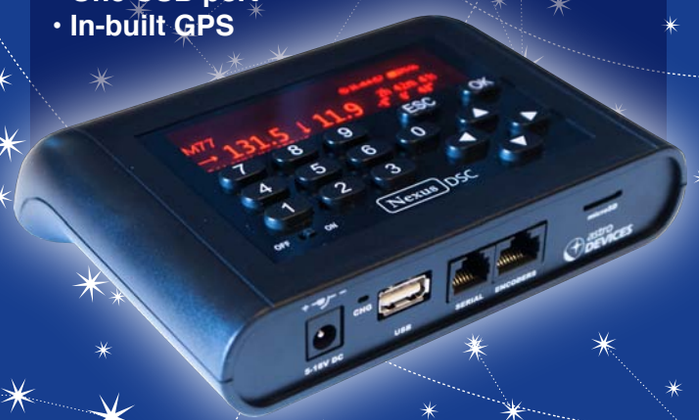
Stellar. Smarter. Superior.

NEXUS DSC

The best-selling Nexus DSC is a highly advanced digital setting circles (DSC) computer for your telescope. It works with most popular telescopes – on equatorial or Alt-Azimuth mounts. The Nexus DSC is a self-contained unit & doesn't require external software to work.

PRODUCT FEATURES

- Database of almost 2 million celestial objects
- Red OLED graphic display with adjustable brightness (256 levels)
- Operating temperatures range from -20°C – 50°C (-4°F – 120°F)
- Optional WiFi interface
- Full numeric tactile keypad with adjustable backlight (100 levels)
- Up to 22 hours of battery life
- Rechargeable Lithium battery
- 16MB internal memory
- Up to 64GB external memory on micro SD card
- Works with Sky Safari Plus/Pro running on iOS, Android, Kindle Fire, and Mac OS X
- Supports ServoCAT, SiTech and SkyTracker
- One RS232 port
- One USB port
- In-built GPS

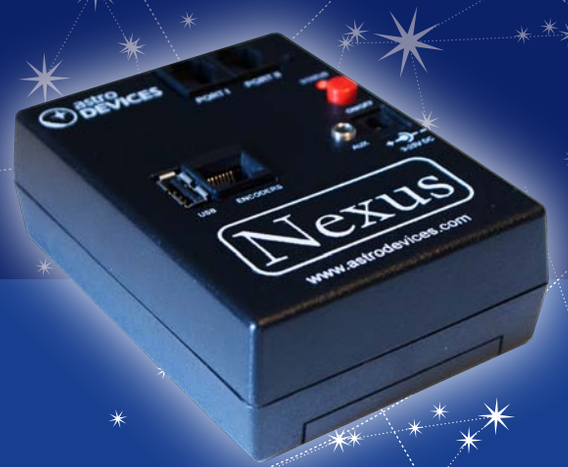


NEXUS

The Nexus is a computerised wireless WiFi adapter for your telescope. Working on with most popular telescopes – on equatorial or Alt-Azimuth mounts – Nexus can be configured to function as a DSC and/or RS232/USB to WiFi adapter. You'll need planetarium software to use the Nexus.

PRODUCT FEATURES

- Dual power source – internal 9V battery, or external 9-25V DC
- Operating temperatures range from -20°C – 50°C (-4°F – 120°F)
- Supports extended Ouranos, Bbox, and Sky Commander communication protocols
- Handles TTL quadrature optical encoders with practically unlimited number of pulses per second
- Class I WiFi device (up to 150 metres range)
- Two RS232 ports
- One USB port
- Works with planetarium software running on iOS, Android, Windows, and Mac OS X
- Supports ServoCAT, SiTech and SkyTracker



NEXUS-II

Introduced in 2016, the Nexus-II is an upgrade to the Nexus, featuring improved technology and a smaller body. It is a multi-functional wireless WiFi adapter that can be used as a DSC and/or USB to WiFi adapter for your telescope. You'll need planetarium software to use the Nexus-II.

PRODUCT FEATURES

- Up to 11 hours battery life
- Rechargeable Lithium battery
- Operating temperatures range from -20°C – 50°C (-4°F – 120°F)
- Supports SiTech communication protocol
- Handles TTL quadrature optical encoders with practically unlimited number of pulses per second
- Reverse polarity protection
- One USB port
- Class I WiFi device (up to 150 metres range)
- Works with planetarium software running on iOS, Android, Windows, and Mac OS X