EOS BRIDGE™

Bridging the gap between professional sensors and mobile mapping systems

Eos Bridge™: Make any instrument Bluetooth® compatible to iOS

Are you ready to bridge the gap between mobile mapping on iOS and professional instruments. As iOS devices gain popularity among field crews, demand is rising for smartphones and tablets to interface with professional instruments and sensors. The Eos Bridge™ is the world's first device capable of making this connection. The Eos Bridge™ combines the power of survey-grade mapping from Arrow Series® GNSS receivers and GIS apps with the professional measurements of third-party instruments and sensors.

Convenient, Portable and Rugged

With its long-lasting battery, the Eos Bridge™ delivers days of continuous use on a single charge. And thanks to its lightweight design, the Eos Bridge™ can easily be stored in a pocket, clipped to a belt, or attached directly to any instrument. The Eos Bridge™ is also rugged and waterproof, so you can confidently take it to the harshest environments.

Connect with Legacy-Bluetooth® Instruments

Have you ever wished your existing laser rangefinder, utility locator — or any other sensor — would automatically send data to your mobile mapping solution? The days of wishing are over. With the Eos Bridge™, simply pair any legacy instrument to your iOS device (while connected to an Arrow GNSS receiver), and the Eos Bridge™ takes care of the rest. Measurements from your professional instruments will flow directly to iOS, where you can capture them in a GIS app with high-accuracy locations from your Arrow GNSS receiver.

Connect with Serial Port

No legacy Bluetooth® module? No problem. Instruments and sensors can also connect to the Eos Bridge™ via a serial port to achieve the same results. Choose this option to use the Eos Bridge™ with not only iOS devices, but also Android and Windows smartphones and tablets.

Key Features:

- **Transforms legacy Bluetooth® instruments and sensors into iOS-compatible devices.**
- **Converts non-Bluetooth® instruments and sensors into iOS-compatible devices via serial port.**
- **Battery-powered. Rechargeable using standard USB.**
- **Palm sized, easily fits in a pocket or attaches to a belt or your instrument.**

Made by Bluetooth® Pioneer Eos Positioning Systems

Eos has been pioneering Bluetooth® technology for iOS devices since its founding days. The Eos Arrow 200® GNSS receiver was the world's first iOS-Bluetooth® compatible GNSS receiver to provide RTK accuracy to iPads and iPhones. With decades of experience in this field, Eos is pleased to offer customers innovative products, like the Eos Bridge™.

For more details,
www.eos-gnss.com

Specifications

Communication

Ports:	Bluetooth® Dual Mode Compliant
	USB 2.0 (Programming)
	RS-232 Serial
Status LEDs:	Power, Bluetooth® BR/EDR, Bluetooth LE, Charging Status
Battery Status:	5-LED Indicator

Bluetooth® Features

Bluetooth® Transmission[1]:	Class 1, 200m LoS range
Frequency:	2.400 - 2.485 GHz
Fully Bluetooth® Qualified:	Bluetooth® 4.1 Dual Mode
Supported Connections::	BR/EDR, BLE
TX Power:	+12 dBm with Bluetooth® BR/EDR
	+8 dBm with Bluetooth® LE
RX Sensitivity:	-96 dBm

Power

Battery Type:	User replaceable 2600mAH Lithium-Ion cell
Battery Autonomy[2]	48+ hrs on a single charge
Charging Time:	4 hours via USB port

Environmental

Operating Temperature:	-40°C to +85°C (-40°F to +185°F)
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	95% non-condensing
Compliance:	FCC, CE, RoHS and Lead-free

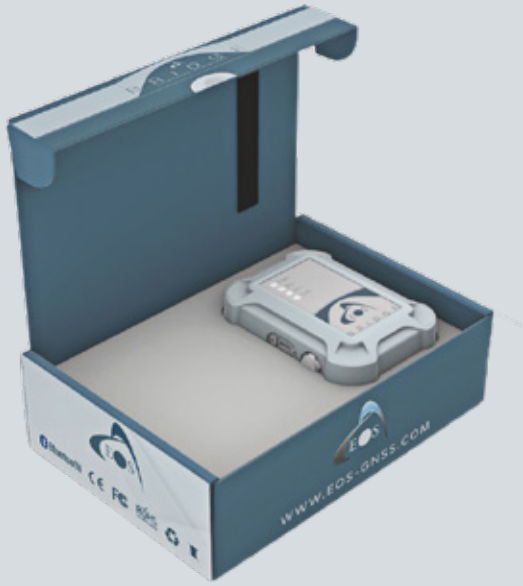
Eos Positioning Systems Inc.
Terrebonne (Quebec), Canada
Tel: (450) 824-3325
www.eos-gnss.com | info@eos-gnss.com

Mechanical

Enclosure Rating:	Waterproof, IP-67
Immersion:	30cm, 30 minutes
Dimensions:	9.5 x 6.9 x 3.1 cm (3.7 x 2.7x 1.2 in.)
Weight:	165 g (0.36 lb)
USB Connector:	Mini USB Type B Receptacle
Serial Connector:	5-pin Circular

In the Box

Eos Bridge™	Belt Clip
Integrated Li-Ion Battery	Strap Loop
USB Charger	Serial DB-9 Cable (Optional)



NOTES:

1. Transmission in free space
2. Lithium-Ion battery performance degrades below -20°C (-4°F)

Made in Canada

Authorized distributor

RevD-2021/05/07