

**BPI**

## **BPI** BLUETOOTH PILOT INTERFACE

The Raven Bluetooth Pilot Interface (BPI) is a Bluetooth wireless device that translates data from an AIS Pilot Port Interface (PPI) plug found on a ship and transmits that AIS data to a computer via a Bluetooth or USB serial data link. The BPI has a small footprint with 20 hours of battery life on a single charge and auto-correct feature for detecting wiring errors on the pilot plug. The BPI is used by pilots throughout the United States and is manufactured in the U.S. by Raven Industries.

### Features

- Rechargeable Battery allows for 20+ hours of operation on a single charge. Actual battery life will depend on many factors, including temperature, range, and BPI age.
- Class I Bluetooth Wireless Data Link with range up to 100 m (330 ft).
- Loss Prevention – on-board audio alarm indicates Bluetooth connection loss, helping pilots remember to pack it away before leaving a ship.
- Wire Wizard – the BPI auto-corrects for wiring errors on the pilot plug.
- Auto Baud – automatically detects baud rate of PPI signals and converts to a standard 38400 baud output.
- Standard system includes two AIS-BPI cables, universal travel charger and USB cable.



+1 (800) 460-2167

+1 (512) 238-1128

marinesupport@ravenind.com

www.ravenaerostar.com

**BPI****PHYSICAL & PERFORMANCE CHARACTERISTICS****Physical**

- Size: 102 mm x 51 mm x 25 mm (4 in x 2 in x 1 in)
- Weight: 102 g (3.6 oz)
- Connectors: 7-pin eSATA, female
- Mini-B USB port
- LED indicators for
  - Wireless connection status
  - Power, including low power indication
  - Pilot plug data status
  - Battery charger status
- Operating Temperature: -20°C to 40°C (-4°F to +104°F)
- Storage Temperature: -20°C to 50°C (-4°F to +122°F)

**Performance****COMMUNICATIONS**

- Class I Bluetooth radio with dynamic power management
- USB connector provides backup communications path for AIS data.

**MISCELLANEOUS**

- Auto-corrects for wiring errors on the pilot plug
- Scans for PPI signals at 9600, 19200 and 38400 baud rates
- Night mode dims the LED status lights at night
- Soft shutdown after 60 minutes of no AIS data to conserve battery life
- USB cable can be used for charging the battery and for hard-wire access to the AIS data
- BPI firmware can be updated in the field with supplied software
- Attached loopback adapter for verifying ship wiring issues

**POWER**

- Battery: 1250 mAh Li-Ion rechargeable battery
- Operating time at 23°C (75°F): 20 hours with Bluetooth connection
- Battery Charger:
  - Recharge time: 1-1.5 h
  - Input voltage: 5V
- LED indicators for low power and charge status

+1 (800) 460-2167

+1 (512) 238-1128

marinesupport@ravenind.com

www.ravenaerostar.com

**RAVEN**  
AEROSTAR

*Raven Industries, Inc. is a leader in providing reliable, high-performance marine navigation aid systems.*

MNPM-208 02/12