

Beacon-on-a-Belt (BoB) Receiver Release Notes

Welcome to the Beacon-on-a-Belt (BoB™) differential correction receiver. The BoB receiver is a belt-mounted Minimum Shift-Keying (MSK) beacon receiver for tracking broadcasts from Differential GPS (DGPS) radiobeacons that conform to the International Association of Lighthouse Authorities (IALA) standard. It comes with its own PC-BoB configuration software. This document describes the BoB receiver firmware version 1.00 and PC-BoB software version 1.00.

Please read these release notes carefully. They contain important notes and instructions that were not included in the BoB receiver manual or PC-BoB Help files.

Warranty Activation

The warranty activation card registers you as an owner of the BoB receiver and enables you to receive information on firmware updates, upgrades, and products.

Receiver Manual Additions

This section details additional material not included in the *Beacon-on-a-Belt (BoB) Receiver Manual*.

Cable-Only

Due to radio spectrum licensing regulations in most countries outside the United States of America, the BoB receiver is sold outside the United States with the cable-free communications function disabled. BoB receivers with the cable-free function disabled will not communicate with the GeoExplorer[®] 3 over a cable-free link, and cannot be enabled by the PC-BoB software. The part numbers for the cable-free disabled option of the BoB receiver and associated bundles are listed in Table 1.1.

Table 1.1 Cable-free disabled options

Part Number	Product
38600-10-ENG	Beacon-on-a-Belt (cable-free disabled)
38400-10-ENG	Beacon-on-a-Belt (cable-free disabled) receiver and GeoExplorer 3 mapping system
38400-60-ENG	Beacon-on-a-Belt (cable-free disabled) receiver and GeoExplorer 3c mapping system

GeoExplorer 3 Version

Trimble recommends that you upgrade to GeoExplorer 3 firmware version 1.04 or later when you use a GeoExplorer 3 data collector with the BoB receiver. You can download the GeoExplorer 3 firmware version 1.04 from <http://www.trimble.com/support/files/geo3.htm>.

GeoExplorer 3 firmware version 1.04 fixes known problems with the BoB receiver status and wireless decoding, as well as other known problems in GeoExplorer 3 firmware version 1.02 or earlier.

Vehicle operation

The Beacon-on-a-Belt receiver is not designed for use in or on a vehicle. Interference from vehicle engine and electronic noise may degrade its performance when tracking beacon stations. If the BoB receiver is insecurely mounted in or on a vehicle, it could fly loose in the event of a sudden stop, causing personal injury or property damage.



Warning – INJURY MAY RESULT FROM USE OF THE BOB RECEIVER IN OR ON A VEHICLE. TRIMBLE DOES NOT RECOMMEND OPERATION OF THE BOB RECEIVER IN OR ON A VEHICLE. ANY SUCH USE SHALL BE AT THE USER'S SOLE RISK AND TRIMBLE WILL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING THEREFROM.

Sources of Interference

Trimble recommends that you maintain at least 1 ft (0.3 m) separation between the BoB receiver and any GPS receiver, or other electronic device, to avoid jamming the BoB receiver.

Help File Additions

This section details additional material not included in the PC-BoB Help files.

Communications Failure

If you receive the Comms connection has failed message, and you have checked cabling, connection and the BoB battery level, you may need to lower the First In First Out (FIFO) buffer settings on your Comm port, via the control panel settings.

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This is the March 2001 release (Revision A) of the *Beacon-on-a-Belt (BoB) Receiver Release Notes*, part number 38608-00-ENG. They apply to the Beacon-on-a-Belt firmware version 1.00 and PC-BoB software version 1.00.