

## **Overview**

Many Spartan products benefit from computer connectivity capabilities for the purpose of modifying their configuration parameters or updating their firmware when improvements are made. To take advantage of these features an optional Flash-Link or Blue-Link interface module is required offering USB or Bluetooth connectivity respectively. In addition to computer connectivity the Bluetooth option can be used with certain PDAs and mobile phones providing a convenient way for editing configuration parameters at the field. Not all of our products support these options; specific information can be found on each product's own web page.

## **Blue-Link Requirements**

Bluetooth enabled PC, PDA or mobile phone supporting SPP (Serial Port Profile).

Spartan provides software for certain platforms only. Such software is available on the Spartan website and we advise that you download and try it to ensure compatibility with your PC, PDA or mobile phone before purchasing a Blue-Link.

## **Blue-Link initial setup**

The Bluetooth communication protocol is governed by strict standards to ensure a high level of compatibility between products. However, several implementations of the software components exist, each offering a different user interface and methods for configuring certain things. We are aware of several implementations for PCs, at least three different ones for Windows based PDAs and almost every mobile phone has it's own way of dealing with Bluetooth. As such Spartan is unable to provide technical support or advise specific to configuring a particular PC, PDA or mobile phone to work with the Blue-Link. We recommend that you read the manufacturer's instructions carefully and proceed accordingly.

No drivers are needed for the Blue-Link as the required software support is an integral part of the Bluetooth protocol.

In general the initial Blue-Link installation usually involves the following steps:

- **Device discovery:** With the Blue-Link powered on, allow your PC, PDA or phone

# **Blue-Link**

Thank you for purchasing our Blue-Link interface module. Please read the instructions herein thoroughly to ensure successful installation and operation of this product. Should you require any assistance you can find guidance videos and answers to frequently asked questions on our website.

## **Operation**

Connect the Blue-Link's black plug to the product that you wish to interface to. The red plug provides power to the Blue-Link and can be connected to a spare receiver channel or another suitable power source in the range 4V to 8.4V.

The status LED flashes in stand-by mode and is lit continuously whilst a connection is active.

Any computer, PDA or phone software related to the product that you wish to interface to can be downloaded from the Spartan website in the particular product's web page.

to search for other nearby Bluetooth devices. From the list of discovered devices select BlueLink-XXXX.

- **Pairing:** You may be prompted to enter a Passkey, Passcode, etc. Type 1234.

- **Service discovery:** You may be prompted to select the service offered by Blue-Link even though only one service may be listed. This will often be shown as SPP (Serial Port Profile), Serial Port, etc.

- **COM port assignment:** A few Bluetooth software implementations may not automatically assign a COM port for your newly paired device. In such cases follow the manufacturer's instructions on how to assign one yourself. If multiple choices are given, avoid using COM0 as in some cases it will not work.

## **Attention**

Loss of control can result from incorrect programming or attempting to update the firmware while the model is in flight. Always land and disable the engine or electric motor before doing so. Always confirm correct operation before taking off.