



Hydrographic Survey Products, Inc Houston – Texas

Blue Tooth Active Antenna

For use with SCC BT Cable Counter Sensor

Introduction

The Hydrographic Survey Products SCC BT Active Antenna is designed to increase the Blue Tooth range from the SCCBT sensor to the host BT system (typically laptop or PC). The Active Antenna allows Blue Tooth reception from inside an enclosed wheel house or instrument room. A legacy RS232 interface is provided if the host system is not equipped with BT capability. If required the Active Antenna may be connected directly to the SCC Display / Interface Unit.

Operation

The Active Antenna is supplied with a 50' power / data cable. Place the antenna as close to the SCC sensor as possible and run the power / data cable to the host PC. The antenna is environmentally sealed unit and can be secured to mast or outside structure. Experimentation may be required to find the best location for a good Blue Tooth link but usually line-of-sight within 30' of the sensor will work. Connect the provided power / data breakout cable and apply 12V dc (power supply is included with the antenna). The Green LED on the antenna will light if suitable power is connected.

With the SCC sensor switched off, or out of range, the Blue LED will flash rapidly indicating the antenna is attempting to pair with a Blue Tooth device.

When the Blue LED flashes slowly the pairing process is in progress.

When the Blue LED double flashed the pairing is complete and RS232 data will be output from the DB-9 connector. Use Serial Terminal to inspect the data string.

Blue Tooth LED status

-----	Not Paired
- - - - -	Attempting to pair
-- -- -- --	Paired

There are no operator switches or settings inside the antenna. The antenna is a sealed unit and cannot be opened or serviced. Baud rate is 9600 8N1.