

# WatchDog Short-Range Wireless Base Station

## Installation Instructions

Catalog Number 3392B

### Package Contents

XCite-PKG Transceiver

Antenna

6' Serial Cable (DB-9 male to DB-9 female)

A/C Power Adapter

Male and female Cat 5 adapters (yellow and green)

Serial loopback adapter (red)



### Installation

1. Check that the DIP switches on the end of the Transceiver are set correctly. Switch 1 should be ON (up) and the rest (switches 2-6) should be OFF (down)
2. Attach the antenna to the Transceiver. The main portion should be vertical (see photo above).
3. Connect the 6' serial cable to a serial port on your PC (a USB to serial converter cable is required for PCs without serial ports), and to the transceiver. See “Extending the Connection Cable” for details on installing the Wireless Base Station up to 50' from your PC.
4. Connect the A/C Power Adapter to the Transceiver and a power outlet.
5. Ensure the On/Off switch on the end of the Transceiver is ON (up). The red LED next to the switch should be lit.

Note that the Short-Range Wireless Base Station is not waterproof, and must be installed indoors.

The Base Station Transceiver should be placed at as great a height as possible to facilitate line of sight with the weather station.

It may be necessary to experiment with placement of the two transceivers to attain the best line of sight. The signal can pass through wood, vegetation and concrete but metal will block the signal. Setting the transceiver on a windowsill can make it easier to check line-of-sight, and minimizes signal loss.

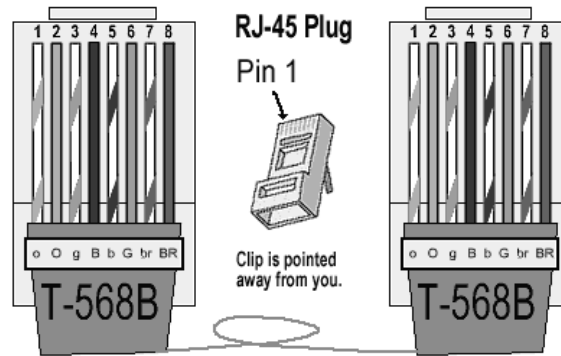
Please assemble and test your wireless system (the base station plus the remote weather station) indoors first. Simple problems, such as inserting batteries backwards, are far easier to correct when they don't involve a journey.

### Going Mobile

The Short-Range Wireless Base Station can be used in a vehicle by replacing the A/C Power Adapter with Item # 3392PA Vehicle Power Adapter (available separately). The Transceiver should be close to the window, or if necessary and weather permits, held outside the window in order to minimize radio interference caused by the metal body of the vehicle.

## Extending the Connection Cable

Male and female adapters are provided in the package to allow installing the Wireless Base Station up to 50' from your PC. The adapters are wired to work with common Cat 5 or Cat 5e Ethernet network cable, which is available in various lengths at hardware, electronics, and general retail stores. The cable must be "Straight-Through", which is the most common configuration (the alternative is "Crossover"). To confirm your cable is "Straight-Through", hold the two ends next to each other, as in the diagram below. The exact color sequence is not important for use with the Base Station, but it is critical that the color sequence is identical between the two connectors. If it is not, then the cable will not work.



## Testing the Connection

Included with your Wireless Base Station is a red Serial Loopback Adapter. To test your cable, connect it to your PC, but not the Transceiver. Use the instructions in the SpecWare User Manual in the section titled "Testing the Com Port" to perform the "Paper Clip" connection test on the Communications Preferences screen. Instead of using a paper clip, attach and detach the Serial Loopback Adapter from the Transceiver end of your cable in order to confirm that it is working properly.

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