



## Radio Base Station

S1409

- **One or two-way radio telemetry**
  - **Direct PC or other interface**
- **Communicates with single or multiple remote weather stations**
  - **Optional back-up battery**
  - **Optional built-in phone modem**

The Coastal Environmental Systems radio base station comes in several different configurations. Its primary purpose is to allow a PC to collect, display, process, and store data transmitted or polled from a remote weather station. The base station consists of a radio, a power supply, an enclosure (table top or rack mount), a power switch, a data reception light, an antenna, and cables for power and data (to a PC or other device).

### RADIO

There are several radios available at the following frequencies:

1. UHF—in the 450-470 MHz band
2. VHF—in the 150-174 MHz band
3. Spread Spectrum—in the 2.4 GHz band

The antenna will vary, based on the type of radio and the distance you want the signal to travel. The UHF and VHF radios are typically 2 watts (higher wattage available) or 100 mW using the spread spectrum.

On the back of the base station is a connector for power and a BNC for the antenna or antenna cable. Base Stations come with no antenna cable unless specified, and 50 feet should be considered the maximum distance unless first consulting with us.

### Options:

#### Back-up Power

Most base stations can have a back-up power supply added, which consists of a charger and battery (not available on 220 VAC stations).

#### Built-in Display

Certain base stations can have a display added to show the data received. Consult with Coastal to ensure your weather station and base station are compatible with this feature.

