



Base Station

For networks with narrowband, UHF/VHF, licensed radios

Overview

The RF500B base station resides at the computer site and serves as a link between field stations and repeater stations. It includes an RF500M radio modem connected to a PS150 power supply. The modem and power supply are then mounted to a 10 inch by 12 inch metal plate.

The radio, antenna, antenna cable, and wall charger need to be ordered separately. Compatible radios include our RF320 series, our RF310 series, our RF300 series, and the DataRadio DL-3400. Software support is provided by LoggerNet.

Benefits and Features

- › Includes the RF500M RF modem and PS150 power supply mounted to a metal plate
- › Supports multiple radio configurations
- › Uses software (DevConfig) instead of hardware modifications to upgrade the operating system (OS) and change RF ID or other settings
- › Provides an RS-232 port (DTE) for modem configuration or attachment of an RS-232 radio
- › Avoids all collisions within a network, thus increasing polling speeds and reducing overall current drain

Detailed Description

The RF500B provides the PS150 power supply, RF500M modem, 18657 DB9-female null-modem cable (beige cable), 14291 field power cable (black cable), and a 10-in. x 12-in. metal plate.

compatible with -TD, -PB, and our current generation of PakBus data loggers.

Operating System (OS) Options Descriptions

PakBus OS

Considered the standard for the RF500M, the -PB OS uses TDRF polling to quickly and efficiently move data through a network. Each station can be individually dialed by LoggerNet. This OS is

ALERT Dual Mode OS

The ALERT (Automated Local Evaluation in Real Time) OS allows for transmission, repeating, and reception of binary ALERT formatted data. It is a derivative of the -PB OS, and therefore supports both ALERT and TDRF communications (allowing true two-way communication with a station). This OS is compatible with the CR200(X)-series, CR800-series, CR1000, and CR3000 dataloggers.

Dial OS

The dial OS works with both mixed-array and PakBus/table-based data loggers. Each station can be dialed by LoggerNet

for downloading data, sending programs, and performing other tasks. Additionally, this OS allows stations to create point-to-point networks for sharing of measurement and control tasks.

Specifications

-NOTE-

The RF500B is a kit containing components that have their own specifications.

To review these specifications,

refer to the appropriate products below:

› [RF500M RF Modem](#)

› [PS150 Battery-Backed Power Supply](#)

Weight

3.81 kg (8.4 lb)

For comprehensive details, visit: www.campbellsci.com/rf500b 