

SPREAD SPECTRUM RADIO BASE STATION



GENERAL DESCRIPTION

Automata's Spread Spectrum base station provides a link between wireless data received by radio frequency and the serial port of a computer. It comes with an integral loop antenna adequate up to two miles. Beyond 2 miles, an optional gain antenna is required. The radio is mounted at the antenna to eliminate all antenna cable signal loss. A 4 Amp-hour battery back up is included. It will power the station for one and a half days without power. A 30' radio cable and 9 pin serial port connector are also included. The battery chassis doubles as a junction box. It has a screw terminal block for easy wire disconnect to facilitate installation.

The radio is programmed with standard AT modem commands. It supports a variety of point to point, and point to multipoint, networks. Radio programming must be consistent with the rest of the network.

SPECIFICATIONS

Power Requirements	12 Volt \pm 10% @ 120 mAmps
RF Output Power	Programmable from 1 mWatt to 1 Watt
RF Frequency	902 MHz to 928 MHz
Computer Baud Rate	2400 Baud Standard, 1200 to 19.2 Programmable

OPTIONS

6 DB Yagi Antenna
6 DB Omni Antenna
Battery Charger