

Spread Spectrum Radio (SSR) Specifications

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- **Physical -**
 - **Dimensions:** 3 inches x 1.4 inches x 2.7 inches (AUX)
3 inches x 1.4 inches x 3.5 inches (DIN)
 - **Mounting:** Bulkhead, DIN
 - **Connections:**
 - RS-232, Female 9 Pin Subminiature D connector
 - Power & RS-485, Wire Range 28 – 14 AWG
 - Antenna, Reverse-polarity SMA
 - **Indicators:**
 - Fail (Red)
 - Power / Transmit activity (Green).
 - Radio Receive activity (Yellow)
 - TX (Yellow) activity. RS232 or RS485
 - RX (Yellow) activity. RS232 or RS485
 - RS232 Mode
 - RS485 Mode

- **Electrical -**
 - **Supply Voltage:** 11 to 26 VDC
 - **Current draw:** Receive 100 mA, Transmit 250 mA max
 - **Frequency:** 902-928 MHz
 - **Modulation Type:** Spread Spectrum, Frequency Hopping
Wide band FM.
 - **Channel Capacity:** 7 hop sequences sharing 25
frequencies.
 - **Transmit Power:** 140 mW.
 - **Receiver Sensitivity:** -110 dbm
 - **RS232/RS485 baud rate:** 9600 Default, 1200 – 57600
 - **RF Data Rate:** 9600 baud, Fixed.
 - **Receive Buffer Size:** 16 bytes.
 - **Flow Control:** (RS232 Only) RTS/CTS Enabled, Default

- **Range –**

NOTE: Ranges specified are typical. Actual range will depend on several factors including antenna type, distance above ground, and presence of obstructions.

 - **Indoor:** 1500 Feet
 - **Outdoor Line of Sight:** 7 – 20 Miles

- **Environmental -**
 - **Operating Temperature:** -30 to 80 degrees C
 - **Operating Humidity:** 5 to 95%.

- **Warranty –**
 - **7 years, Transferable**

