



Telemetry Mini Radio

Rev. 1.1

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900 MHz Spread Spectrum Wireless Radios

Our new "mini-radio" is 1/3 the size of our standard radio. Yet it features all the same functions, power and reliability. It is 100% backwards compatible with our larger 900 MHz radios. The mini-radio can operate as a Master, Slave or Repeater. The

proprietary spread spectrum technology prevents detection and unauthorized access providing you with a secure connection for all your data.

High speed communication and **automatic retransmission** ensures your telemetry stays active at the track.



Specifications:

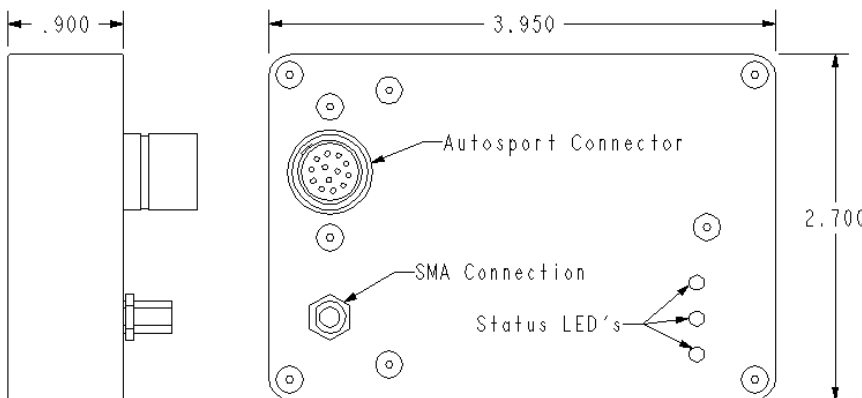
Frequency: 902-928 MHz
Method: hopping spread spectrum
Output Power: 100mW to 1 Watt (+30dBm)
RF Connector: SMA female
Error Detection: 32bit CRC, auto retransmit
Link Speed: baud rates up to 115.2 Kbps
Data Interface: RS-232 / RS-422 / RS-485
Hopping Bands: 7, user selectable

Power Requirements:

Supply Voltage: 6 to 30 VDC
Current Consumption: under 25 mA idle
(with 12v supply) under 90 mA receive
under 500 mA transmit

Environmental:

Temperature Range: -20° to 75° C
Housing Material: 6061 Aluminum
Weight: xxx grams



Connection:

Mating connector: AS 610-35SN
pin 1 – CD (carrier detect)
pin 2 – TX
pin 3 – RX
pin 4 – DTR
pin 5 – Ground *tied internally to pin 9
pin 6 – no connection
pin 7 – RTS
pin 8 – CTS (clear to send)
pin 9 – Ground
pin 10 – no connection
pin 11 – no connection
pin 12 – setup mode interrupt
pin 13 – 12 volt supply