



R-4-CAN CAN Compatible Receiver

With Connector, Cable, and Internal or External Antenna



Shown with optional tether connector and external antenna jack

OPERATION

CAN Output

SAE J1939 compatible. Consult factory for specific protocols, address and data rate information.

Programmable Logic

Receiver can be factory programmed to perform a wide range of logical functions and sequences.

Pushbutton/Tether Learn

Transmitter and receiver are “married” to permit operation of multiple radios in the same area without cross-control. Transmitters and receivers can be married in the field by pushing a button in the receiver or momentarily connecting the optional tether cable.

Safety Features

Receiver provides a “heartbeat” output 20 times per second. Controller should be programmed to monitor this output to detect fault conditions.

ORDERING INFORMATION

PART #	DESCRIPTION
RX4-CAN	Standard range CAN receiver
RE4-CAN	Extended range CAN receiver
RZ4-CAN	International CAN receiver

FEATURES

■ Reduced Wiring

CAN compatibility greatly reduces wiring by eliminating individual output connections.

■ Compact, Rugged Enclosure

Compact size is ideal for mounting in tight spaces. Environmentally sealed for harsh off-highway applications. IP66 rated enclosure and connector.

■ Affordable

Fully integrated receiver. No external modules required. Factory configured to interface with popular CAN controllers.

■ Flexible I/O

2 x J1939 CAN ports, 1 x RS485 port for tether control, and 2 x proportional outputs configurable for PWM, digital (bang/bang), ratiometric voltage, or 0-5vdc.

■ License Free

Pre-certified FCC - no license required.

■ External Antenna (Option)

Flexible antenna can be installed away from obstructions to improve range.

APPLICATIONS

■ Remote process control

■ Specialty off-highway equipment

■ Crane control

■ Sawmill machines

■ Conveyors

■ Earth compactors

■ Rock crushers

■ Robotics

■ Wood chippers and grinders

■ Winch systems

SPECIFICATIONS

General

Power Requirement 10 to 30vdc, 500mA max

Fuses Internal 1-amp self-resetting fuse

Radio

Frequency 902-928MHz, Unlicensed ISM band standard models
2.4-2.4835GHz, Unlicensed ISM band international option

Type Frequency hopping spread spectrum

Frequency Control Direct FM

FCC id OUR9XCITE: Standard range
OUR9XTREAM: Extended range
OURXBEE: International version

Receiver

Sensitivity -104dBm

RF Connector (option) BNC

Communication CAN, SAE J1939; 2 ports
RS485; Tether control
Consult factory for available protocols and message specifics

Field Wiring 12-pin DTM connector with 4-conductor, 6' pigtail cable

Enclosure

Nylon 6/6 black, IP66
Approximate size: 5.24" L x 4.63"W x 1.48"D

Environmental

Storage -40°C to 85°C

Operating -10°C to 60°C

POINT MAP

Address: 11 or 29 bits factory set - consult factory for specific requirements

Data Rate: 250kbps; update 20 times per second

WIRING

