



# 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

