



R-1 1 to 32 Channel Adjustable Receiver

LCD and pushbutton interface for field adjustment



NEW

FEATURES

- **Simple to Set Up and Use**
Menu-driven interface on receiver provides simple setup and adjustment of all functions. Documentation provided for wiring.
- **Modular Outputs**
1 to 32 factory installed outputs can be digital, proportional, ratiometric, or unamplified. Ideal for controlling electrical, hydraulic, and pneumatic equipment.
- **Environmentally Sealed**
Environmentally sealed to IP67 for harsh environments.
- **License Free**
Pre-certified FCC - no licence required
- **External Antenna**
Flexible antenna can be installed away from obstructions to improve range.
- **Connector and Cable Included**
Receiver features environmentally sealed Deutsch connector with mating connector pigtail cable.

OPERATION

Radio Operation

Up to 32 factory installed outputs can be any combination of digital (bang/bang), proportional current, ratiometric, or unamplified. Adjustable min, max, ramp times, and threshold. Can directly drive a wide range of coils and other DC loads. Other customer specified parameters can be field adjusted.

User Interface

Pushbutton and LCD display menu system enables field setup and adjustment of customer specified parameters. Menu system can be locked to prevent accidental adjustment by end-user. System performance and status messages are also displayed.

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.

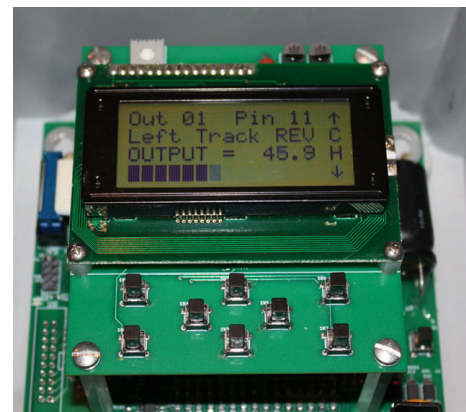
Safety Features

Receiver automatically detects when transmitter is out of range, and returns outputs to a safe condition. Normally closed E-Stop output also available. Monitored receiver electronics disables outputs on fault condition.

*Backlit LCD Display!
Easily make adjustments to
tune machine performance.*

APPLICATIONS

- Track machines
- Wood chippers and grinders
- Crane control
- Sawmill equipment
- Conveyors
- Earth compactors
- Rock crushers



*Built-in programming interface.
Ideal for fine tuning machine performance!*

ORDERING INFORMATION

PART #	DESCRIPTION
RX1	Standard range universal receiver kit
RE1	Extended range universal receiver kit
RZ1	International universal receiver kit

SPECIFICATIONS

General	Power Requirement	10-30vdc, 500mA nominal + power to loads
	Fuses	Self-resetting type. Outputs protected
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
	Sensitivity	-104dBm
Receiver	RF Connector	BNC
	Output Types	Digital, proportional, ratiometric, or unamplified
	Digital Outputs	Solid state relay, provides supply voltage up to 5-amp
	Proportional Current Outputs	Adjustable PWM up to 5-amp
	Ratiometric Outputs	25% to 75% of supply voltage, 100mA max
	Unamplified Outputs	Customer specified (0-10v, typical)
	Standard Adjustments	Min, Max, Ramp up, Ramp down, Threshold
Interface	Field Wiring	40-position Deutsch connector with 6' pigtail wiring
	Keypad	8-pushbuttons
	LCD	4-line x 16 character backlit LCD
Enclosure		IP67 fiberglass
Environmental	Storage	-40°C to 85°C
	Operating	-10°C to 60°C

PROGRAMMING MENU

```

Frequency Select
Channels      0 - 3
Output Frequency
3 0 0 0 Hz
    
```

PWM FREQUENCY ADJUST SCREEN
For current PWM proportional outputs only
 Select **CHANNEL** in banks of four
 Adjust **VALUE** to valve specifications

```

Status = In Range
Address  0 0 0 0 0 0 0 1
Switch   0 0 0 0 0 0 0 0
Analog   - - - - - - - -
    
```

TRANSMITTER DIAGNOSTICS SCREEN
Displays transmitter status and address
Displays function codes for switches
Displays status of proportional controls

```

INPUT 16 Pin 05 ^
- - - - - |
0.5    2.5    4.5 N
■■■■■■■ v
    
```

INPUT DIAGNOSTICS SCREEN
 Select input **CHANNEL** (if equipped)
 Bar graph display shows input voltage

```

Out 01 Pin 11 ^
Left Track REV C
OUTPUT = 0.0 H
■■■■■■■■■■■■■■ v
    
```

OUTPUT PROGRAMMING SCREEN
 Select output **CHANNEL**
 Select **SETTING**
 Adjust **VALUE** of setting
 Bar graph display shows output level

```

0 + OUTPUTS + 15
- - - - -
16 + + + 31
- - - - -
    
```

OUTPUT STATUS SCREEN
 Bar graph display shows status of
 all outputs