



RC-1 Complete T-1 generic system

Belly pack with 6 proportional paddle joysticks - great for cranes!



Included wire harness, tether cable, and antenna kit not pictured.

OPERATION

Radio Operation

Outdoor range of 500 feet or more. Frequency hopping spread spectrum (FHSS) transceiver uses two-way communication for maximum reliability and safety. Operates on 2.4-2.4835GHz (International) unlicensed ISM band. No end-user license required.

Controls

Features 6 single-axis joystick paddles, 2 pushbuttons, and a mushroom E-Stop. Each paddle controls 2 high-current PWM outputs to drive proportional controls directly. A master output is energized whenever any of the paddles are operated. On/off outputs are energized by the pushbuttons.

Tuning

Additional min/max pushbuttons on the transmitter allow each paddle joystick to be trained to specific minimum and maximum outputs, enabling fine control.

Transmitter Matching

Momentarily connecting transmitter to receiver using tether cable allows transmitter to “learn” receiver address. Matching the transmitter to the receiver prevents cross communication in applications where multiple radios are in use. This feature also allows the transmitter to be replaced without changing the receiver.

Batteries

Operates from 3 x “D” cell batteries. Rechargeable types can also be used. Batteries are easily accessible.

ORDERING INFORMATION

PART #	DESCRIPTION
RC-1	Complete T-1 belly pack system. System includes: Transmitter, Receiver, Cable Harness, Tether Cable, Antenna Kit, Label Sheet.

For customized versions, please call or visit our website.

FEATURES

- **Complete System - Ready to use**
System includes belly-pack T-1 transmitter, receiver, wire harness, tether cable, antenna kit, and label sheet of popular functions for user customization.
- **Rugged Construction**
Environmentally sealed for harsh off-highway applications.
- **Tether**
Tether cable allows transmitter to operate without batteries. Also allows transmitter to “learn” receiver address.
- **License Free**
Pre-certified FCC - no license required.
- **Long-Range Reliability**
Up to 500 feet+ range (line of sight). Monitored radio link keeps equipment under control.
- **Standard Batteries**
Operates from standard “D” cell alkaline or rechargeable batteries. No downtime waiting for specialty battery packs to charge.

APPLICATIONS

- Crane control
- Track vehicles
- Wood chippers and grinders
- Winch systems
- Specialty off-highway equipment

SPECIFICATIONS

T-1 TRANSMITTER

Transmitter Frequency

Frequency	2.4-2.4835GHz, Unlicensed ISM band
Type	Frequency hopping spread spectrum
Frequency Control	Direct FM
FCC id	OURXBEE
Range (line of sight)	500 feet
RF Power Output	60mW (100mW EIRP)
Battery Type	3 "D" size alkaline or rechargeable
Battery Life (Alkaline)	Standby, 40 hrs; Transmit, 16 hrs
Controls	6 paddles, 2 pushbuttons, mushroom E-stop, min/max buttons
Led Indicator	Flashing = normal; Double blink = battery low
Belly Pack	High-impact polystyrene, UL94HB Standard: 7-3/4" L x 5-1/4"W x 6-1/2"D
Sealing	IP65
Storage	-40°C to 85°C
Operating (Standard)	-25°C to 70°C

Enclosure

Environmental:

R-4 RECEIVER

General

Power Requirement	10 to 30vdc, 500mA nominal + power to loads
Fuses	15-amp inline mini blade fuse. Outputs protected

Radio

Frequency	2.4-2.4835GHz, Unlicensed ISM band international option
Type	Frequency hopping spread spectrum
Frequency Control	Direct FM
FCC id	OURXBEE: International version
Sensitivity	-104dBm

Receiver

RF Connector	BNC
Output Types	10 proportional PWM current, 6 digital (on/off)
Digital Outputs	Solid state relay, provides supply voltage up to 5-amp
Proportional Current Outputs	Adjustable PWM up to 5-amp
Field Wiring	2 x 12-pin DTM connector with 6' pigtail cable

Enclosure

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

Storage	-40°C to 85°C
Operating	-40°C to 60°C