



# T-1-XL Large Belly Pack Transmitter

## Fully Customizable Controls



*Shown with optional metal guard rail upgrade*

## OPERATION

### Radio Operation

Models available with outdoor range of 1500 feet or more! Operates on 902-928MHz (USA) or 2.4-2.4835GHz (International) unlicensed ISM band. No end-user license required.

### Controls

Many combinations of toggle switches, joysticks, potentiometers, paddles, and LCD are possible to customize transmitter functions. Use the product configurator to specify functions and labeling. Every transmitter ships with custom engraved front panel and user specified controls.

### 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. Internal battery charger available. Batteries are easily accessible.

## ORDERING INFORMATION

PART #	DESCRIPTION
TN1-XL	Standard range large belly pack transmitter
TE1-XL	Extended range large belly pack transmitter
TZ1-XL	International large belly pack transmitter
TR1-XL	Infrared large belly pack transmitter

Add “-IS” suffix for intrinsically safe version. Consult factory.

## FEATURES

### Long-Range Reliability

Up to 1,500 feet+ range (line of sight). Monitored radio link keeps equipment under control. IR version available.

### Customizable

Transmitter is available with toggle switches, joysticks, potentiometers, paddles, displays, or combinations. Choose the ideal combination of controls for your application.

### Rugged Construction

Environmentally sealed for harsh off-highway applications. Ex rated intrinsically-safe models available.

### Tether

Tether cable allows transmitter to operate without batteries. Also allows transmitter to “learn” receiver address.

### License Free

Pre-certified FCC - no license required.

### Standard Batteries

Operates from standard “D” cell alkaline or rechargeable batteries. No downtime waiting for specialty battery packs to charge. Internal charger option available.

## SPECIFICATIONS

### Transmitter

Frequency	902-928MHz, Unlicensed ISM band standard models 2.4-2.4835GHz, Unlicensed ISM band international option
Range (line of sight)	Standard range = 500 feet Extended range = 1500 feet
RF Power Output	Standard range = 60mW Extended range = 100-250mW
Battery Type	3 "D" size alkaline or rechargeable
Battery Life (fully charged)	Standard range = Standby, 80 hrs; Transmit, 35 hrs Extended range = Standby, 20 hrs; Transmit, 8 hrs International = Standby, 15 hrs; Transmit, 6 hrs
Controls	User specified toggles, joysticks, potentiometers, or paddles
Led Indicator	Flashing = normal; Double blink = battery low
Belly Pack	Standard: 7-3/4" L x 5-3/4" W x 7-1/2" D; PC ABS Jumbo: 11-1/4" L x 5-1/2" W x 6-1/2" D ; High-impact polystyrene, UL94HB

### Enclosure

Sealing IP65

### Environmental:

Storage -40°C to 85°C

Operating -10°C to 60°C

## APPLICATIONS

- Oil field
- Mining
- Marine
- Track vehicles
- Wood chippers and grinders
- Crane control
- Sawmill machines
- Rock crushers
- Winch systems
- Specialty off-highway equipment

