



## Remotus T-Rx Hand transmitters

Remotus T-Rx is Åkerströms Björbo's mobile platform for radio remote control of mobile applications. The T-Rx platform is developed for use with mobile applications in environments with safety and reliability requirements. The robust transmitters are available in three models and are tailored to suit your needs. They are used on the general or individual frequency bands.

The T-Rx family includes four hand transmitter models: T-Rx 12B and T-Rx 28J B, with or without display. The T-Rx hand transmitters are designed for use in mobile applications, such as mobile cranes and sludge pump trucks. The list of uses is long, but in principle, they can be used in any type of mobile application.

### Extra shock resistant, tightly sealed.

We developed the T-Rx hand transmitter line for indoor and outdoor use. Protective rubber bumpers make them extra shock resistant. Their IP 65 classification guarantees that water and dust can't get in. And they're equipped with a membrane valve that releases any condensation when they're exposed to fast, drastic temperature changes.

### Buttons and joysticks in one and the same model.

Remotus T-Rx 28J B is a handheld transmitter with eight dual-function buttons and two joysticks within the same model. The transmitter is easily maneuvered with one hand, making it easier to use in situations that might otherwise require the functions of a traditional joystick style transmitter. The transmitter can control 4 analog and 8 digital functions in 2 steps. You can also extend the functions with the help of a selection button. T-Rx 12B has 12, two-stage buttons that enable double function for each button.

### Easily configured and functional.

Configuration of button functions, frequency, shutdown time, and remaining or momentary functions, is easily done from the pushbuttons. You can also configure the transmitters via computers with ordinary terminal programs. The transmitters come with a temperature-compensating battery indicators and low-battery alarms.

#### T-RX HAND TRANSMITTERS

- Suitable for applications that don't require continuous operation
- IP65 classification: water- and dustproof
- Four models
- Easily configured via pushbutton unit or via computers with regular terminal programs
- Portable configuration via a CIM card
- Ergonomically designed

## With or without display.

The transmitters are available with or without display. The display's resolution is 102\*64 pixels and up to 4 numerical values with unit can be displayed at the same time. Values could be displayed numerical or as a bar. Placement of symbols and values/bars are configured in the receiver's PLC. There is also a possibility of custom symbols and texts. The information on the display is connected via PLC to optional analogue/digital inputs or CANopen.

## Portable configuration.

Users can store configurations on a configuration information module (CIM) card. That way, the transmitter's configuration can be effortlessly moved to another transmitter, for example, when a reserve transmitter replaces the current transmitter. The CIM card is protected during operation but is easily accessible via a service shutter.

## Well thought-out ergonomic design.

Ergonomics were top of mind when the T-Rx line was designed—that's why the transmitters facilitate trouble-free, stress-free use. They come with hand straps as standard feature. Accessories include flip-up belt, belt clips, a vehicle bracket/holder, carrying case, and belt holder.

### TECHNICAL FACTS

**Number of buttons T-Rx 12B:** 12, 2-stage buttons

**Number of buttons/joysticks T-Rx 28J B:** Eight 2-stage buttons + two joysticks

**Radio frequency:** 405-470 MHz

**Channel separation:** 25 kHz, option 12.5 kHz

**Output power:** 10 to 500 mW

**Antenna:** Built in

**Transmission type:** FM FSK

**Transmission speed:** 9600 baud, 4800, or 2400 baud

**Operating time:** with output power <50 mW; 8 hours, 500 mW; 4 hours

**Operating temperature range:** -25 to +55°C (-13 to +131°F)

**Size:** 243 x 77 x 41 mm

**Weight:** 450 g

### Examples of accessories



Flip-Up belt  
for T-Rx 28J B



Carrying case for  
T-Rx 12B



Belt clip for  
T-Rx 12B