

# Teleranger Connectivity

## Easy connect and manage remote controller

Use your smartphone or tablet to effortlessly set up your TR1 radio remote control system in a few seconds. In only 3 easy steps. 1. Simply connect USB OTG cable to the smartphone. 2. Insert e-Card into the slot. 3. Click RANGERGO APP and follow the setup wizard.



**EASY SETTING**    **JUST ONE TOUCH AWAY**    **NO PC REQUIRE**    **FULL FUNCTION SETTING**    **QUICK SYNC (READ/WRITE)**

PROGRAM ANYWHERE. **RANGER GO APP** works same as PC program and improve e-Card read/ write speed. You are allowed to make service of remote controller on site without carrying heavy laptop. **RANGER GO APP** touch and go on smartphone whenever you want.

In your increasingly mobile-enabled life, manage the products via an app is more important than ever. Rangergo App allows you to setup your remote control such as frequency channel, adjust control range, duplicating e-Card and even reprogram the pushbutton functions, all without needing to boot up a PC.



TeleRanger INDUSTRIAL RADIO REMOTE CONTROLLER **TR1**  
 Patents: [www.patentdata.net/legal](http://www.patentdata.net/legal) E-mail: [info@tele-ranger.com](mailto:info@tele-ranger.com)  
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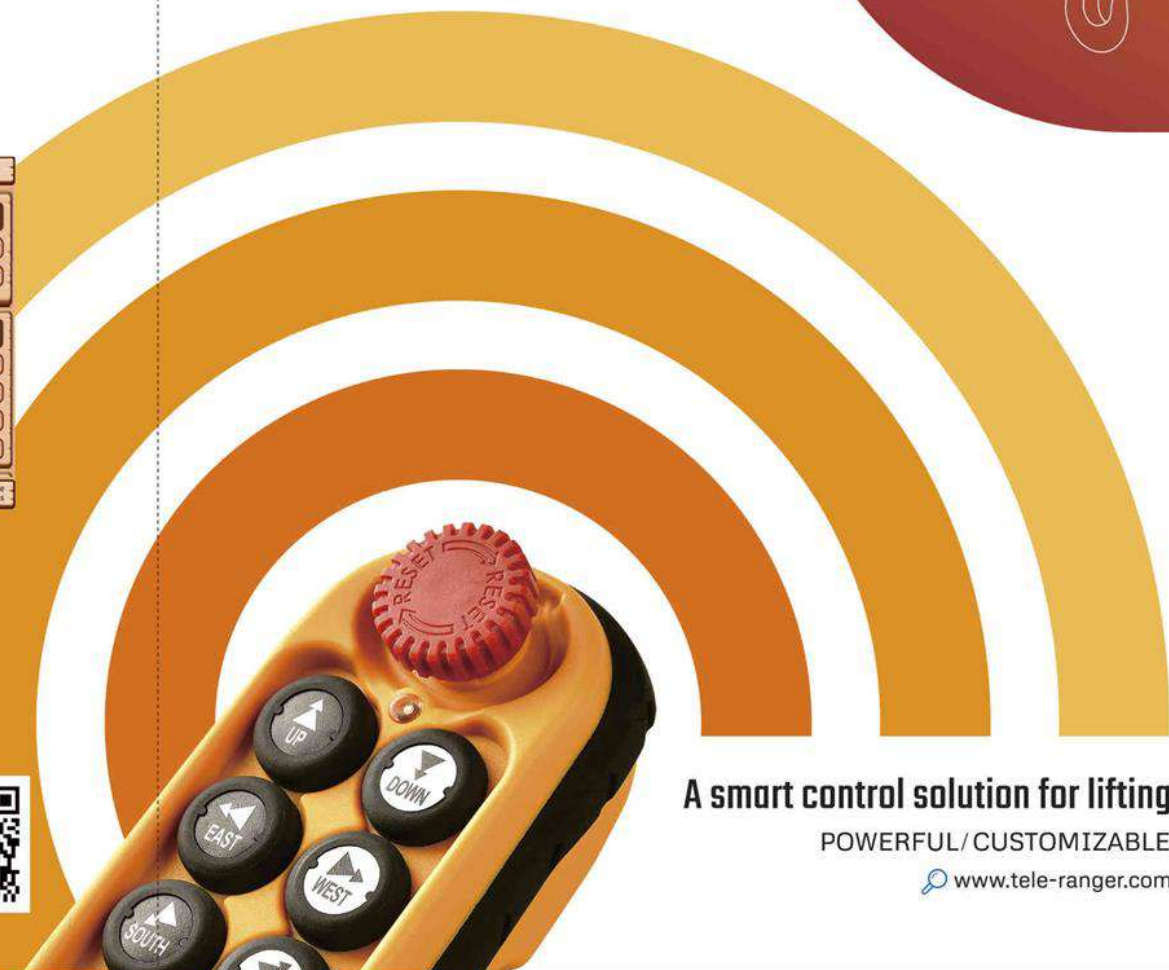
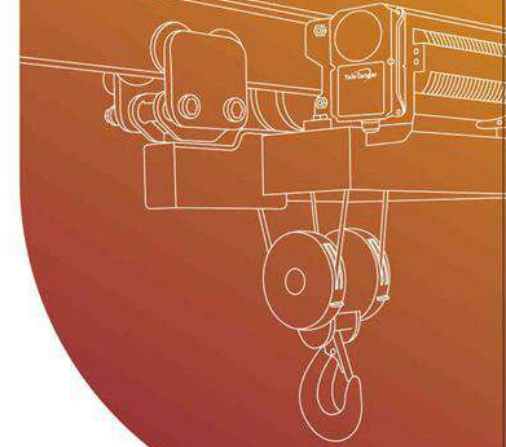
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TeleRanger

# TR1

INDUSTRIAL RADIO REMOTE CONTROLLER



**A smart control solution for lifting**  
**POWERFUL/CUSTOMIZABLE**  
[www.tele-ranger.com](http://www.tele-ranger.com)

### e-Card Plug-and-Play



e-Card is an integrated circuit that is intended to securely store system data and its related ID code. e-Card is plug-and-play when replacing or adding new transmitter.

### Breathable Enclosure



Both transmitter & receiver made with fiberglass and use PTFE membrane (breathable but repelling the liquid water) for quick equilibrium of pressure to reduce stress on enclosure seal when using outdoor.

### Security Enhanced against radio attacker



Advanced real time Security Random Code (SRC) preventing unauthorized operation.

### Rangergo



Powerful software provides great flexibility to meet most of industrial applications. Rangergo is available on Android (smartphone) and Windows.

### TR1 transmitter works as duplicator of e-Card



Synchronize e-Card instantly on site without extra device required.



### TDFS Technology

TDFS (Teleranger Dynamic Frequency Selection) automatically selects frequency channel with low interference levels for operating.



### Adjustable operating range

Transmitter emission power adjustable for extending battery life.



### Enhanced signal range & stability (Internal antenna)

TR1 intelligently strengthens radio connectivity using TDFS technology. This ensures extended coverage and enhanced stability.



### Battery Power

Use AA size Alkaline or rechargeable battery is acceptable. TR1 also uses RCR-V3 lithium rechargeable battery as an option.

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### Patented Receiver

Large LED power indicator enhanced visibility. Easy disassembly receiver for service (PCB module fix on the upper housing)



### Relay module Expansion

Add extra relay module when need.



### Super Surge Protection (Switching Power Supply)

Protection against lightning and unstable power source on site.

### Transmitter Spec.

Frequency	TR1-2S	433/434 MHz	TR1-4S	433/434 MHz	TR1-6S	433/434 MHz	TR1-8S	433/434 MHz
Emission Pwr	TR1-2D	<10 mW	TR1-4D	<10 mW	TR1-6D	<10 mW	TR1-8D	<10 mW
ID code		4.3 billion (32 Bits)		4.3 billion (32 Bits)		4.3 billion (32 Bits)		4.3 billion (32 Bits)
Operating Temp		-30°C~+85°C		-30°C~+85°C		-30°C~+85°C		-30°C~+85°C
Enclosure		Fibre-reinforced plastic		Fibre-reinforced plastic		Fibre-reinforced plastic		Fibre-reinforced plastic
Operating Range		Up to 100 meters		Up to 100 meters		Up to 100 meters		Up to 100 meters
IP Rating		IP67		IP67		IP67		IP67
Power		AA size battery x 2		AA size battery x 2		AA size battery x 2		AA size battery x 4
Pushbutton		2 Pushbuttons		4 Pushbuttons		6 Pushbuttons		8 Pushbuttons
Dimension		156 x 65 x 49mm		156 x 65 x 49mm		156 x 65 x 49mm		222 x 65 x 49mm
Weight (w/o battery)		215 g		215 g		215 g		350 g

Model ending with S for single-speed buttons/ D for double-speed buttons

### Receiver Spec.

Operating Temp	TR1-2S~8S	-30°C~+85°C	TR1-8D~12D	-30°C~+85°C
Enclosure		Fibre-reinforced plastic		Fibre-reinforced plastic
IP Level		IP66		IP66
Power		HI: AC 28-456V LO:DC 10-60V		HI: AC 28-456V LO:DC 10-60V
Dimension		241x90x70mm		255x117x130mm
Weight (w/o cable)		390 g		900 g