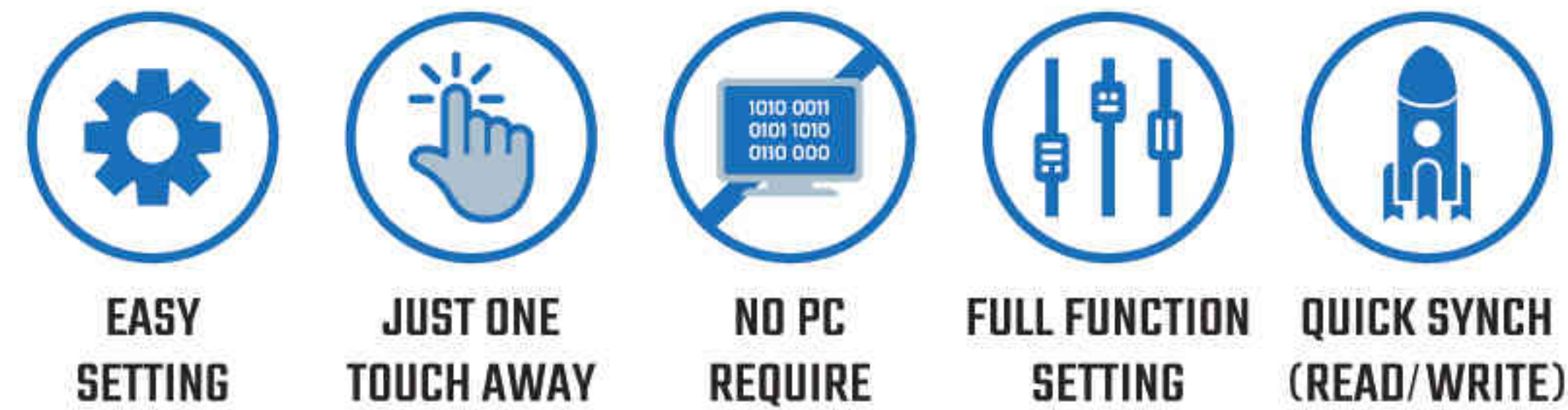# Teleranger Connectivity

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 SYNCH (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
TR1
INDUSTRIAL RADIO REMOTE CONTROLLER

TR1 Setup Program

Power-On Mode		UP [Push Button]	DOWN [Push Button]	R1 [Push Button]	R2 [Push Button]
Start Pushbutton		Normal	Normal	Normal	Normal
Transmission Mode		Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.
Transmit 1.5 min. off		Normal Interlock(A) Delay		Normal Interlock(A) Delay	
Auto Off(Tx)		0.0 sec.		0.0 sec.	
Disable					
LED Interval Time		EAST [Push Button]	WEST [Push Button]	R3 [Push Button]	R4 [Push Button]
1.0 sec.		Normal	Normal	Normal	Normal
TX Power(Tx)		Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.
High		Normal Interlock(A) Delay		Normal Interlock(A) Delay	
Start-Alarm		0.0 sec.		0.0 sec.	
Disable					
Passive Act		SOUTH [Push Button]	NORTH [Push Button]	R5 [Push Button]	R6 [Push Button]
Relay-Off		Normal	Normal	Normal	Normal
Passive EMS		Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.
0.0 sec.		Normal Interlock(A) Delay		Normal Interlock(A) Delay	
Auto Off(Rx)		0.0 sec.		0.0 sec.	
1 hr.					
e-Card Copy					
Enable					

TeleRanger TR1 Series

Code	TR10000000
AFS	AFS(ECO)
Channel	Group 01

Open Save Copy
Setting
Read Write

Button Options

START
Normal
Acc. Delay 0.0 sec.

Up [Push Button]	Down [Push Button]
Normal	Normal
Acc. Delay 0.0 sec.	Acc. Delay 0.0 sec.

Normal Interlock (A) Delay
0.0 sec.

Button Options   R/C Function   Multiple Systems

Accessories

Protective Cover   Shoulder Harness   Passive Antenna   USB Cable   Legend Sticker

TeleRanger
INDUSTRIAL RADIO REMOTE CONTROLLER **TR1**

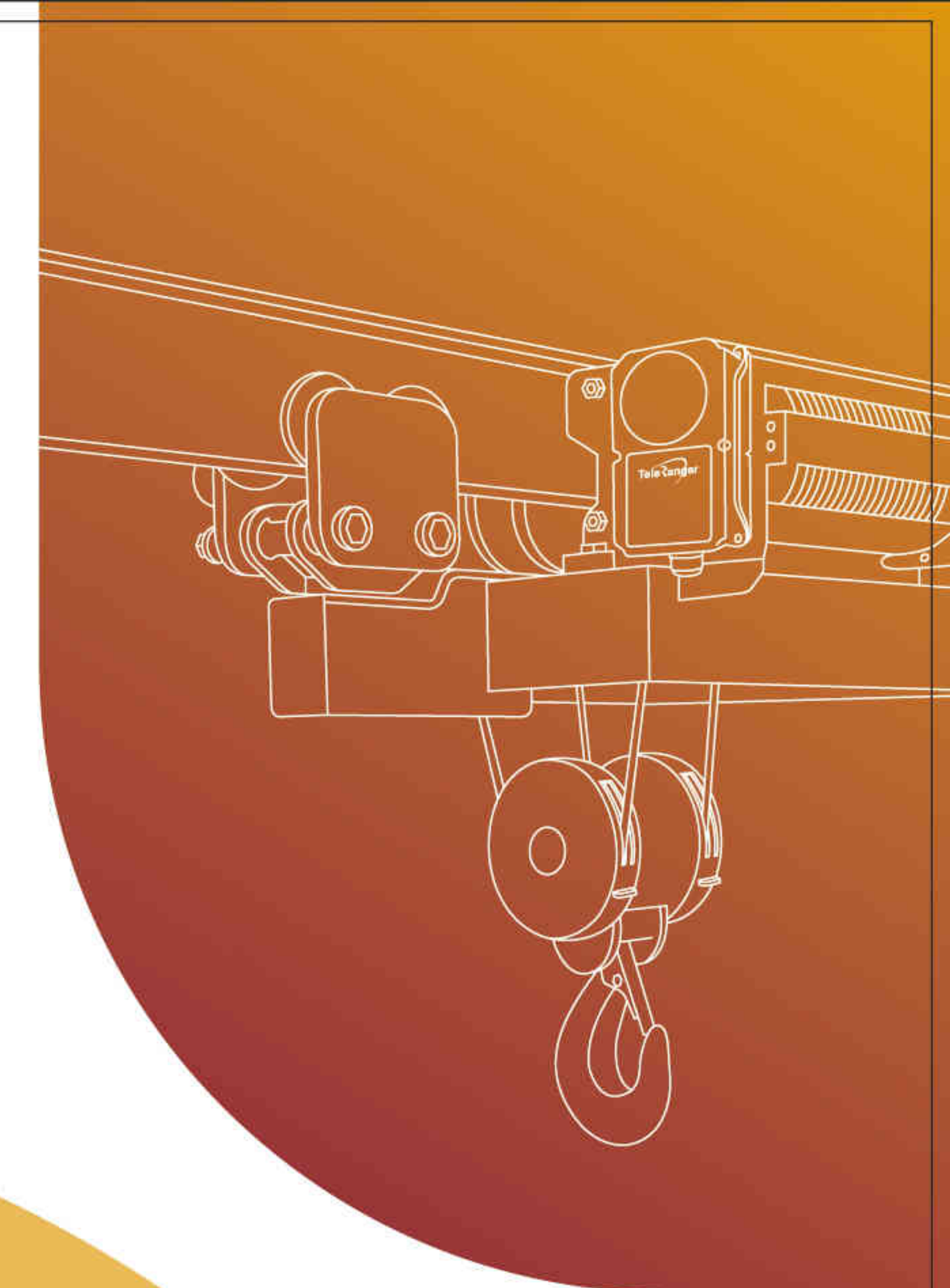Patents: www.patentdata.net/legal E-mail: info@tele-ranger.com
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A smart control solution for lifting
POWERFUL/ CUSTOMIZABLE
www.tele-ranger.com

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.

TeleRanger
INDUSTRIAL RADIO REMOTE CONTROLLER

TR1

www.tele-ranger.com

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 TR1-2D	433/434 MHz	TR1-4S TR1-4D	433/434 MHz	TR1-6S TR1-6D	433/434 MHz	TR1-8S TR1-8D	433/434 MHz	TR1-10S TR1-10D	433/434 MHz	TR1-12S TR1-12D	433/434 MHz
Emission Pwr		<10 mW		<10 mW		<10 mW		<10 mW		<10 mW		<10 mW
ID code		4.3 billion (32 Bits)		4.3 billion (32 Bits)		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		-30°C~+85°C		-30°C~+85°C
Enclosure		Fibre-reinforced plastic		Fibre-reinforced plastic		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		Up to 100 meters		Up to 100 meters
IP Rating		IP67		IP67		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		AA size battery x 4		AA size battery x 4
Pushbutton		2 Pushbuttons		4 Pushbuttons		6 Pushbuttons		8 Pushbuttons		10 Pushbuttons		12 Pushbuttons
Dimension		156 x 65 x 49mm		156 x 65 x 49mm		156 x 65 x 49mm		222 x 65 x 49mm		222 x 65 x 49mm		222 x 65 x 49mm
Weight (w/o battery)		215 g		215 g		215 g		350 g		350 g		350 g

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

Receiver Spec.

	TR1-2S~8S		TR1-8D~12D	
Operating Temp		-30°C~+85°C		-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