

Receivers/Transmitters











Timely Response



Brief Introduction

This Industrial Remote Control and Receiver Solution were special designed for IIoT (Industrial Internet of Things) applications. We have a set of Remote Control (transmitter) & Receiver PCBA with mature software solution for any potential demand. It can be also ODM base on this system, according to your specified requirements.

With the help of this wireless remote-control system and ready PCBA, you can hold the portable transmitter (with your own cover), walk freely and choose the best location for remote operation, which can greatly improve the safety and reduce accidents such as work-related injuries. The operator can complete multiple tasks independently, which can greatly improve their work efficiency, and save your labor cost.

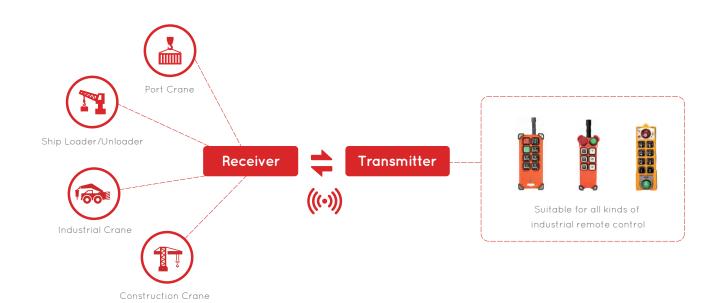
Features

- Stable communication, sensitive response, strong anti-interference
- 160mW maximum transmit power, greatly improves the communication distance
- 0.5~160mW, 25-levels power automatic adjustment
- Adaptive transmit power according to communication distance, for longer battery life
- Feedback the working status of the receiver through RGB lights
- Low battery alarm
- Ultra-low sleep current
- Antennas are well-matched and optimized for high efficiency
- RGB lights to indicate the signal strength

Safe & Professional

- Runaway relay reset (open)
- Two-way communication, and timeliness is guaranteed
- Interference detection for improved reliability

Working Principle



Technical Indicators











Intelligent Adjustment Adaptive transmit power, interference detection Wide Coverage

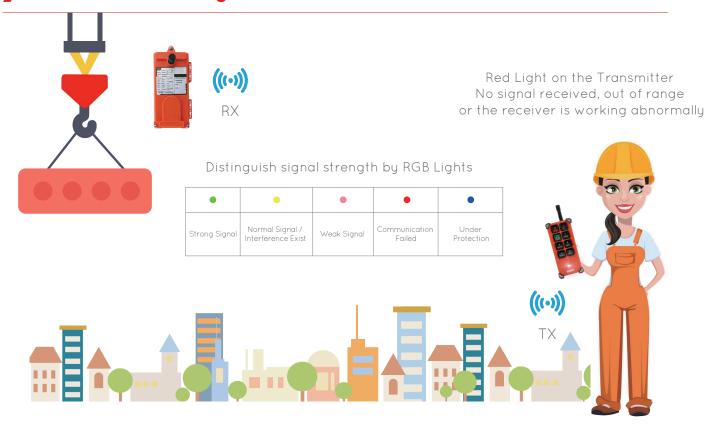
Safe and Reliable

Energy Saving

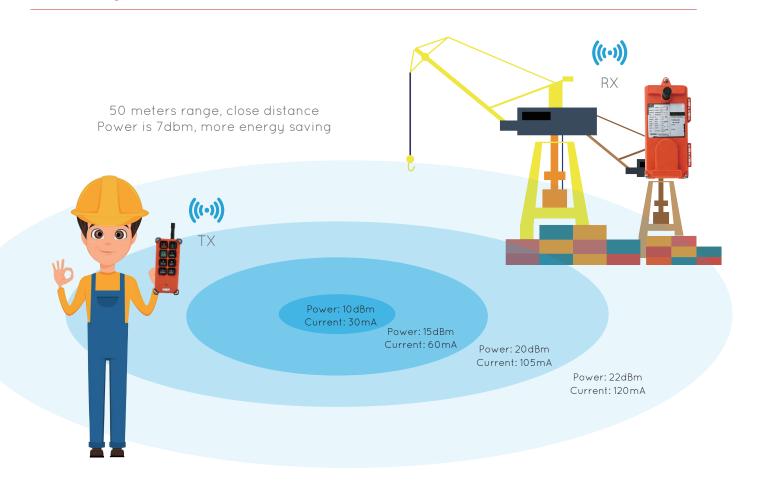
Long range in open space Two-way communication, Sleep current is only 1.2uA stable signals

Product Name	Transmitter/Receiver
Model No.	DL_F21-5_TXM1/DL_F21-5_RXM1
Temperature	-25~70 °C
Distance	>300m
	Transmitter
Power Supply	2*5 AAA battery
Working Voltage	2.3~3.6V
Frequency	915MHz (customizable)
Max Transmit Power	160mW 22dBm (automatic adjustment)
Low Voltage Alarm	≤2.6V
Air Baud Rate	9600bit/s
Coding Method	cyclic error correction coding
Band Width	200KHz
Number of Channels	100
Response Time	25~35ms
Sleep Current	1.2uA
Board Size	14.51 * 5.7cm
	Receiver
Power Supply	36V AC (can be customized)
Receive Sensitivity	-120 dBm
Service Life	12 months (200 times per day)
Board Size	16.4* 7.7cm

Transmitter RGB Lights to Indicate the Receiver Status

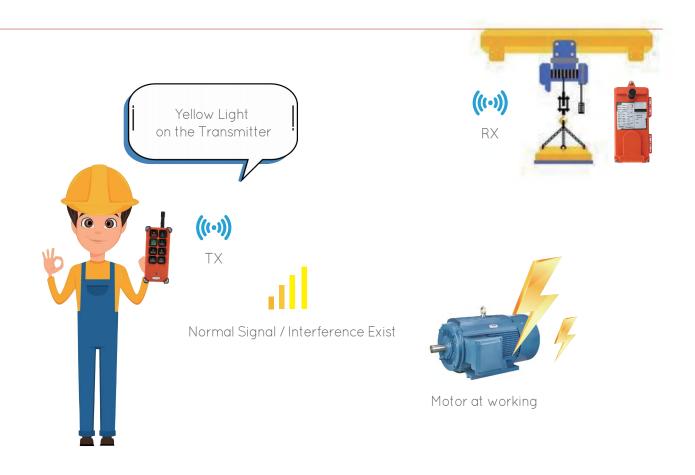


Adaptive Power

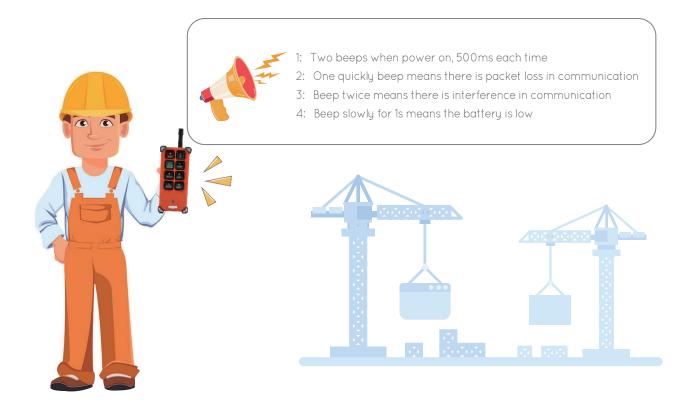


Automatically Detect Signal Strength

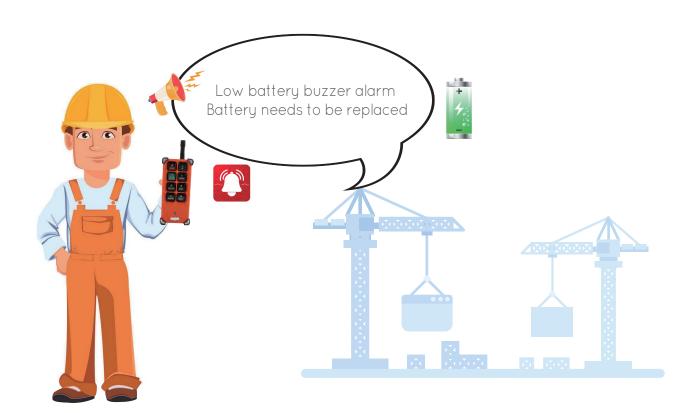




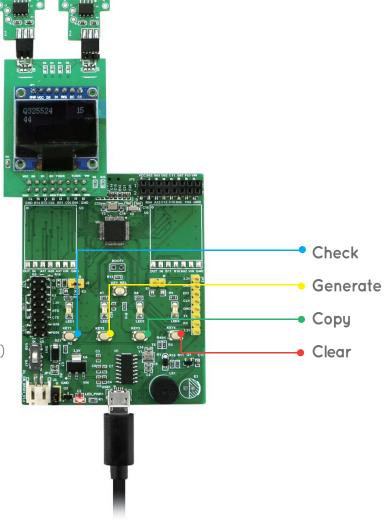
The Role of the Buzzer



Low Battery Alarm

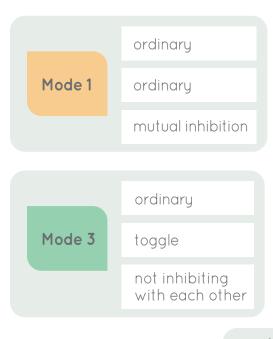


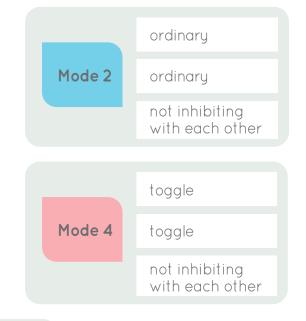
Host Computer and T Card Configuration



T Card Configuration

- 1. Burn the T card and automatically print the QR code
- 2. Configure the boot mode
- 3. Configure button logic
- 4. Runaway relay reset (time setting)
- 5. Max. power setting
- 6. More





More

T card burning tool