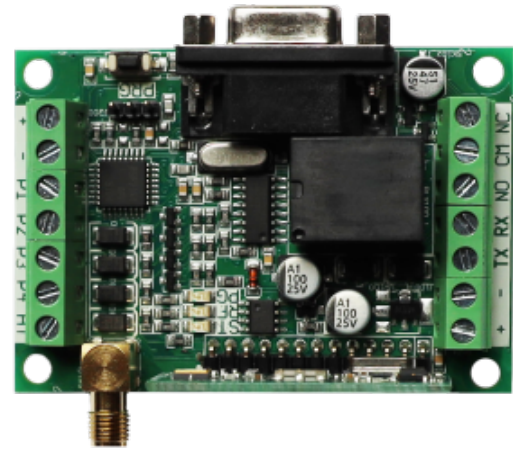


## Wireless 433MHz Receiver



The ICT Wireless 433MHz Receiver provides a fast and simple integration of ICT 4 and 2 button remote transmitters into any alarm or access control system.

Alternatively, standalone functionality allows for easy, secure operation of gates and other access areas where convenience is required.

### Feature Highlights

- > 3 operating configurations: Wiegand, RS-232 and standalone
- > 4 open collector programmable outputs
- > 1 Form C relay output
- > Programmable reception sensitivity for each channel
- > 600 user (Transmitter ID) capacity in standalone configuration
- > Unlimited user capacity in Wiegand pass through configuration

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## Applications

Can be utilized in a range of applications, including:

- > Vehicular gate operation
- > Apartment complex access control
- > Building/home automation functions
- > Remote security system control
- > Man down switches and panic/duress buttons

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## Pass Through Operation

The wireless receiver's Wiegand and RS-232 pass through configurations enable you to use ICT wireless transmitters as credentials in a Protege or third-party access control system, allowing access control of up to 2 doors.

In this configuration the wireless receiver passes all transmitter data through to the integrated system. The control panel determines whether the user has access, and unlocks the relevant door.

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## Standalone Operation

Standalone configuration allows the wireless receiver to function independently, controlling a single door such as a remote carpark gate. In this configuration the receiver determines whether users have access, and controls the door using the onboard relay output.

Several methods are provided to restrict user access:

- > Program up to 600 individual Transmitter IDs, either through the terminal interface or by automatically adding each detected button press.
- > Specify a range of Transmitter IDs which will be accepted.
- > Restrict access to a specific site code.

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## Programming

The wireless receiver provides the user with two different programming interfaces:

- > Programming via RS-232 serial connection to a PC
- > Built-in terminal menu to access all options

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## Output Control

The onboard relay and open collector outputs provide flexible control options for access, alarms or automation functions.

- > Use the relay output to control a door or provide a panic, duress or medical alarm.
- > When not used for Wiegand pass through, up to four open collector outputs are available for other functions, such as activating lights and buzzers or monitoring user activity ('man down switch').
- > Each output can be individually configured for NO or NC operation.

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## Optional Accessory: SMA Antenna



The optional SMA antenna accessory allows for greater flexibility when positioning the wireless receiver. The 3m long cable allows you to install the module in a secure location such as a cabinet while placing the antenna in the open for maximum wireless coverage. The antenna also has a magnetic base for convenient attachment to the outside of the cabinet or another metal surface.

The SMA antenna can be ordered via the following product code:

- > RF-RCVR-433-ANT

## Technical Specifications

Ordering Information	
RF-RCVR-433	Wireless 433MHz Receiver
RF-RCVR-433-ANT	SMA Antenna Accessory
Power Supply	
Operating Voltage	12VDC
Operating Current	55mA
Receiver	
Receiver Type	Synthesized PLL
Demodulation	AM/ASK
Frequency	433.92MHz
Sensitivity	-121dBm
Output Code Combinations	10
Modulation	AM/ASK
Rated ERP	58-100mW
Range in Free Space	100-200m (328-656ft)
Outputs	
Programmable Outputs	4 (50mA Max) Open Collector
Relay Outputs	1 Form C Relay - 7A N.O/N.C. at 30 VAC/DC resistive/inductive
Dimensions	
Dimensions (L x W x H)	78 x 58 x 25mm (3.1 x 2.3 x 0.98")
Net Weight	70g (2.5oz)
Gross Weight	100g (3.5oz)
SMA Antenna Length	3.21m (10.5') total length, 3.05m (10.0') cable only
SMA Antenna Net Weight	90g (3.2oz)
SMA Antenna Gross Weight	120g (4.2oz)
Operating Conditions	
Operating Temperature	-20°-70°C (-4°-158°F)
Humidity	0%-85% (non condensing)

The wireless receiver is only compatible with ICT wireless transmitters (RF-REM2-433 and RF-REM4-433).

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## Regulatory Notices

### **New Zealand (RSM) and Australia (RCM)**

This equipment carries the R-NZ label and complies with EMC and radio communications regulations of the Australian Communications and Media Authority (ACMA) governing the Australian and New Zealand (AS/NZ) communities.

### **CE – Compliance with European Union (EU)**

Conforms where applicable to European Union (EU) Low Voltage Directive (LVD) 2014/35/EU, Electromagnetic Compatibility (EMC) Directive 2014/30/EU, Radio Equipment Directive (RED) 2014/53/EU and RoHS Recast (RoHS2) Directive: 2011/65/EU + Amendment Directive (EU) 2015/863.

This equipment complies with the rules of the Official Journal of the European Union, for governing the Self Declaration of the CE Marking for the European Union as specified in the above directives.

### **UK Conformity Assessment (UKCA) Mark**

This equipment carries the UKCA label and complies with all applicable standards.

### **Industry Canada**

ICES-003

This is a Class A digital device that meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (A)/NMB-3(A)

### **Federal Communications Commission (FCC)**

FCC Rules and Regulations CFR 47, Part 15, Class A.

This equipment complies with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; (2) This device must accept any interference received, including interference that may cause undesired operation.

> For a full regulatory and approval list please visit the ICT website.

Designers & manufacturers of integrated electronic access control, security and automation products.  
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[www.ict.co](http://www.ict.co)

30-May-22