

Solidremote 202U Series Stand Alone Receiver Instructions

Thank you for purchasing Solidremote 202U series stand alone receiver. Familiarise yourself with the following instructions prior to commencing set up. Store this information in a safe place for future reference.

Quick Operation Guide

The 202U series receivers have two relays on board which provide normally open or normally closed contact for controlling virtually any electronic device. Both relays can be programmed to any of three modes - pulse, hold or latching.

Setting Relay Operating Modes

Pulse Mode – Relay contact is active whilst transmitter button is pressed.

Hold Mode – Relay changes state at each press of transmitter button. Hold, Release, Hold, etc. (like an on/off switch).

Latching Mode – Two relays will interact with each other, Relay 1 on then Relay 2 off, Relay 2 on then Relay 1 off. (useful in motor forward and reverse control)

DIP Switch 1	ON	ON	OFF	OFF
DIP Switch 2	ON	OFF	ON	OFF



Relay 1	Pulse	Hold	Latching	Pulse
Relay 2	Hold	Hold	Latching	Pulse

> Advanced working modes like timing output, sequenced output (normally used on electric locking devices and automatic doors) and more can be offered meeting a certain order quantity.

Storing Transmitter Code

Make sure to install the battery in the transmitter correctly.

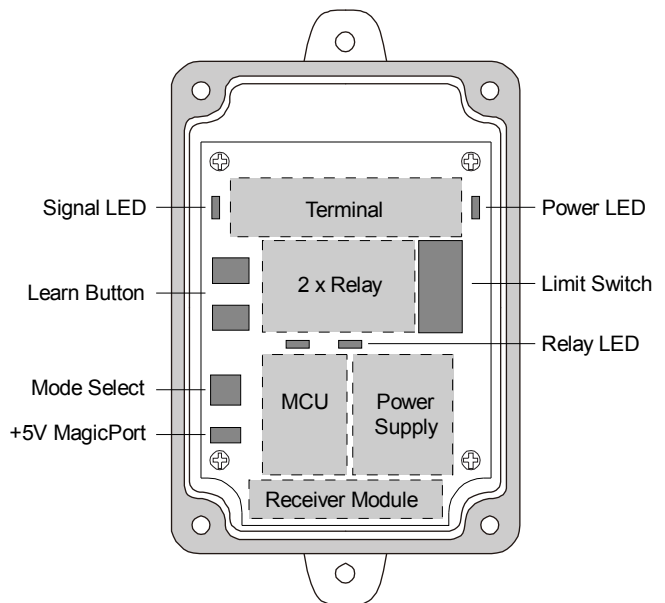
1. Press and hold **PRG1** (for Relay 1) or **PRG2** (for Relay 2) on the receiver board.
2. Press the transmitter button you would like to use to control the device once until SIG flashes then release. (*press transmitter button too long will erase the just-learned code*)
3. The **SIG LED** will flash quickly three times, indicating that the code has been stored.
4. Release **PRG** button.
5. Press the transmitter button to test operation.

Note: To remove a single transmitter's code from the receiver memory repeat steps 1-5 above. During removing process, the **SIG LED** on step 3 will flash slowly three times (instead of quickly), indicating that the code has been removed.

Deleting All Stored Transmitter Codes

1. Turn the power off to the receiver.
 2. Press and hold **PRG1** button.
 3. While holding **PRG1** turn power on again. After 5 seconds the **SIG LED** will illuminate to indicate receivers memory has been cleared.
 4. Release **PRG1**. All the stored codes should now be deleted.
- Confirm this by pressing the transmitters previously used to operate the device. There should be no response.

Receiver Function Diagram




Technical Specifications


- Power Supply: 9V-24V AC or 9V-30V DC
- Frequency: 433.92MHz
- Memory Capacity: 400 Transmitter Channels
- Antenna Impedance: 50 Ohms (RG58)
- Relay Contact Rating: 10A @ 14V DC or 10A @ 120V AC
- Temperature Rating: -4°F to 131°F (-20°C to 55°C)
- Weight: 0.25 lbs. (0.11kg)
- Physical Size: 4.33"L x 2.36"W x 1.37"H (11cmL x 6cmW x 3.5cmH)


Visit solidremote.help if you need help

Basic Installation

The physical placement of 202U receiver is typically in the door operator housing area since the power supply and operator control are already in this location, however, optimum performance is achieved with the unit located outside the door operator housing. (our receiver is suitable for both indoor and outdoor use)

 The antenna wire on the receiver (black wire) must be exposed outside the operator housing as much as possible.

 Door operator motors and controls may cause radio frequency interference (RFI) that could impair the performance of a radio control device. For best results, locate the receiver away from the motor and connect the receiver to a clean power source via a standard 12-24V switching power supply (AC or DC).

 **WARNING! Incorrect installation or improper use of the product can cause damage to persons, animals or things.**

Troubleshooting

When installing the 202U radio controlled products it may be necessary to troubleshoot the system.


If your system is not working properly here is a basic method to troubleshoot the products.

1. When the push button is actuated, does the transmitter LED illuminate?

- If yes, proceed to step 2.
- If no, check the battery and make sure battery is connected to the transmitter properly and battery is not flat. If the transmitter continues to fail in showing LED, you may need to repair or replace the transmitter.

2. Does the receiver have power (POWER LED illuminate)?

Ensure that 12-24V AC or DC is supplied to the power terminal of 202U receiver. Also ensure that the wiring harness is plugged in correctly to the receiver. Refer to the PWR label next to the terminals to locate the two power terminals.

 **It is important to remember that the transmitter must have been learned to receiver before proceed to following steps.**

3. When the transmitter is triggered, does the receiver board

show red SIG LED?

- If yes, the transmitter and receiver are working properly, but there is another issue, proceed to step 5.
- If no, the receiver is not seeing a signal from the transmitter.

4. If the receiver is not responding to a signal from the transmitter, there are a few additional things to consider:

- Materials such as metal, energy efficient (Low E) glass or other electronic devices may affect the signal. If possible, hold the transmitter near the receiver and activate it. If the receiver sees the signal there is a possibility that obstructions may be blocking the signal where the transmitter is normally located, or you may be experiencing signal interference.
- Try activating the receiver with a different transmitter. If the receiver sees a signal from a different transmitter, there is a possibility that the original transmitter has a problem. If this occurs, contact seller about repairing or replacing the original transmitter.
- Ensure that the receiver antenna is exposed from the enclosure box as much as possible. Please do not cut or lengthen the antenna wire (we have external antenna accessory for extended range).
- If the receiver is not responding to the signal from any transmitter, regardless of distance, it is possible the receiver may need repair. Try a different receiver if possible, contact seller if receiver needs to be repaired or replaced.

5. If receiver and transmitter are functioning correctly but door control is not activating, ensure that the output of the receiver is connected properly to the door control.

If you have questions on this, please refer to your door controller's operating manual.

Special Notice

The descriptions and illustrations contained in the present manual are not binding. Solidremote reserves the right to make any alterations deemed appropriate for the technical, manufacturing and commercial improvement of the product, while leaving its essential features unchanged, at any time and without undertaking to update the present publication.

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DOCID: SR-RCS-202U-111224 / Printed In China

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