



# W BOX 0E-1CHRFRCVR and 0E-2CHRFRCVR One and Two Channel RF Receiver Installation Guide

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W BOX 0E-1CHRFRCVR and 0E-2CHRFRCVR One and Two Channel RF Receiver



## **Installation & Operation Guide**

### **One and Two-channel RF Receiver**

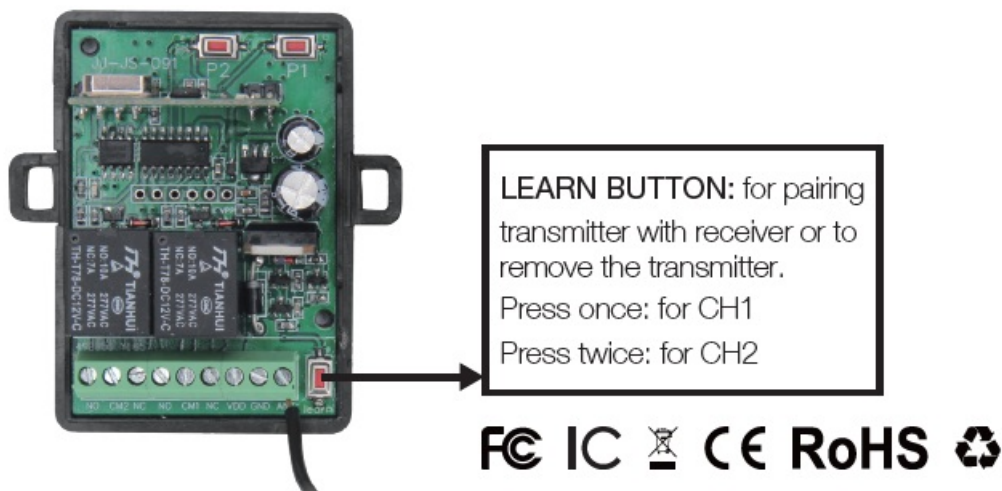
WBox Part #s: 0E-1CHRFRCVR & 0E-2CHRFRCVR

#### **Main Features**

- Frequency: 315MHz
- Power supply: 12-24 VDC / VAC
- Relay Contact Rating: Dry Form "C", 10amp. Max. per channel
- Capacity to learn up to 200 codes
- Operating Temperature: -14 to 140°F ( -25 to 60 °C )
- Compatibility: Rolling code and fixed code
- Five relay output programming functions; each channel can be independently programmed to operate in a different function

#### **Pairing a New Transmitter to the Receiver/Code Learning:**

1. Connect the two power supply wires, one to VDD and the other GND.
2. When the power is initiated, the LED will light for 1 second and the receiver is ready for learning.
3. Adding New code into Channel 1: Press LEARN BUTTON once, the LED will light for 1 second, go off for 1 second and then light again. Press any button on the Transmitter; if the code is learned successfully, the LED will blink; then release the button on the remote, the LED will be OFF. If the remote cannot read the signal, the LED will light for 10 seconds and finish its learning status.
4. Adding New code into Channel 2: Press LEARN BUTTON twice, the LED will light for 1second, go off for 1 second and then light again. Press any button on the remote; if the code is learned successfully, the LED will blink; then release the button on the remote, the LED will be OFF. If the remote cannot read the signal, the LED will light for 10 seconds and finish its learning status.



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### Deleting code from the receiver:

Deleting all codes: Press LEARN BUTTON for 8 seconds or until the LED lights, release the button and the LED will go off, all codes will have been deleted.

### Programming Channel Relay Output Modes:

Each channel can be independently programmed to operate in a different function.

1. Hold the PROGRAM BUTTON 1 or 2 for 3 or more seconds. The LED on the receiver will flash number of times equal to the output mode that it is in. (for example, if it flashes 2 times, it means we are set to Toggle mode).
2. To change a relay output mode, press the program button, each press moves to the next mode in the sequence shown in table 1.
3. After select the mode, count the number of LED flashes times to verify the channel is set to the correct mode.
4. To exit programming, hold the PROGRAM BUTTON 1 & 2 for 3 seconds or wait 15 seconds.

**Table 1:**

Press Program Button N times	Times of LED Flashing	Output Mode
Default	1	4-Sec Timed Mode, Auto. OFF
2	2	Toggle Mode
3	3	Latch Mode
4	4	Validity Mode
5	5	1 Second Timed Mode

4-Second Timed Mode (default): When transmitter button is pressed, the relay will turn ON for 4s, then auto. OFF  
 Toggle Mode: When the transmitter button is pressed once and released, the relay will turn ON, then one needs to press the transmitter button again, for the relay to turns OFF.

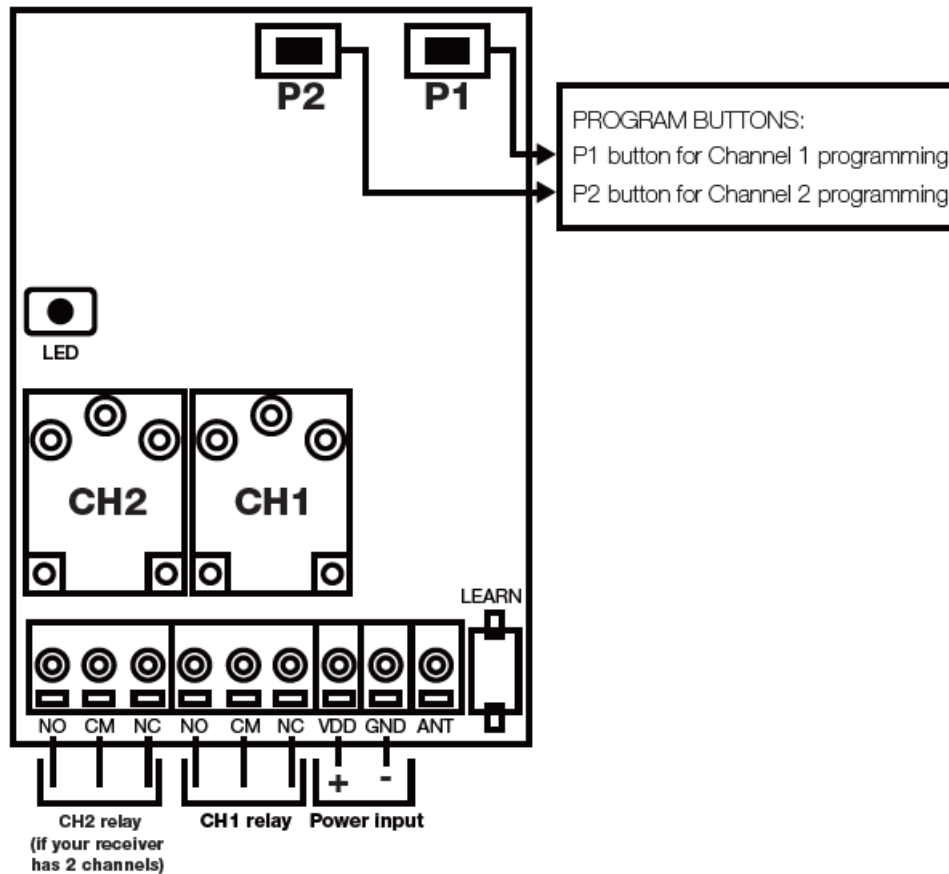
Latch Mode: Press the transmitter button once, and the replay turns ON and stays ON.

The relay will remain ON regardless of whether a compatible transmitter button is pressed again or not. To turn the relay OFF, press the LEARN BUTTON on the receiver once to reset.

Validity Mode: The relay is ON for as long as the transmitter buttons is pressed.

1-Second Timed Mode: When the transmitter button is pressed, the relay will turn ON for 1s & then auto. OFF. Repeat above steps for Channel 2. (If your receiver has 2 channels)

### Diagram of the receiver



### Notes

California Proposition 65 Warning: These products do not contain chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm.

Fully compatible W Box transmitters offered with One or Two-channel RF Receivers

- 315 MHz, Rolling code
- Battery storage life – Min. 2 years

0E-2C2BPTRAN	2-channel 2-Button Pendant Transmitter	2x3vdc coin CR2016 Li batteries
0E-2C2BHTRAN	2-channel 2-Button Handheld Transmitter	1x12vdc cylindrical Alkaline battery
0E-4C4BHTRAN	4-channel 4-Button Handheld Transmitter	1x12vdc cylindrical Alkaline battery

### FCC/IC COMPLIANCE STATEMENTS

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE

## FOLLOWING TWO CONDITIONS:

1. THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE AND
2. THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

**Notice:** The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**IMPORTANT NOTE:** To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

## Warranty

### One Year Warranty

This product is covered by a 1-year limited warranty from the date of its original purchase.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

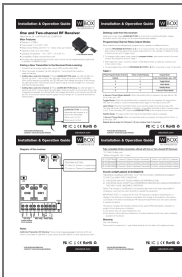
**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to

radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Documents / Resources



[W BOX 0E-1CHRFRCVR and 0E-2CHRFRCVR One and Two Channel RF Receiver](#) [pdf] Installation Guide  
2CHRFRCVR, CFS-2CHRFRCVR, CFS2CHRFRCVR, 0E-1CHRFRCVR, 0E-2CHRFRCVR, 0E-1CHRFRCVR and 0E-2CHRFRCVR One and Two Channel RF Receiver, 0E-1CHRFRCVR One and Two Channel RF Receiver, 0E-2CHRFRCVR One and Two Channel RF Receiver, One and Two Channel RF Receiver, One Channel RF Receiver, Two Channel RF Receiver, RF Receiver, Receiver

References

- [ADI W Box Technologies](#)