

It is recommended that the unit be charged overnight before the first extended use. The power supply charging jack is located on left side of the Footswitch.

The Unit has 4 push button footswitches and 2 LED indicators, **TX low Battery LED** and **Battery Charge LED**. Both LED indicators are located on the top left hand side of the Foot Switch unit.

**The TX Low Battery indicator has dual functions.**

A. When any footswitch is depressed the TX light will flash to indicate a valid transmission has been sent.

B. When the Battery is low and needs to be recharged, it will flash slowly.

**The battery charge LED lights when the charger is plugged in during recharging.**

Remove the Foot Switch and install the antenna on the rear of the unit

as shown by screwing clockwise only until snug. Be careful not to over tighten the antenna as damage to your Foot Switch may result.

### Receiver: WR2

Operating Frequency:	315MHz
Memory Capacity:	15 transmitter button codes per channel, 60 per receiver.
Operating Voltage:	12VDC Adapter
Operating Current:	35 mA @ 12VDC (standby), 25mA/channel @ 12VDC (activated)
Relay Contact Rating:	Form C type; 10A @ 24VDC or 120VAC per channel
Connectors:	RCA connector with N.O., N.C., and COM per channel
Dimensions:	3.25 x 2.7 x 1.1 inch (83 x 68 x 27.5 mm)

### Transmitter: FRT2PRO

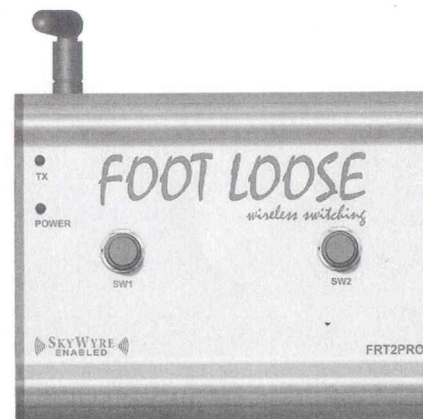
Operation Frequency	315MHz
Transmitter switch button	4 Transmitter switch buttons
Operating Voltage	9 VDC Rechargeable battery
Code Combination	Fix code. 68 billion
Operating current	10mA (active)
Dimensions	6.2 x 4.8 x 2 inch (158 x 122 x 50 mm)

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.

# Installation Manual

## SKYWYRE



## FRT2PRO / WR2

### Two-Channel RF Transmitter and Receiver

- Operates on 12 VDC Adapter For WR4 Receiver  
9 VDC Rechargeable battery for FRT4PRO Transmitter.
- Up to 500 ft. range

## System

These RF transmitter and receiver are used for a variety of applications, such as allowing the same transmitter to arm/disarm a vehicle alarm and open/close a garage door opener. The receivers come in one- or two-channel versions. Each channel can learn the codes of up to 15 different transmitter buttons on a first-in, first-out basis.

## Installation Notes

1. Mount out of sight in a location where it is not surrounded by metal, and where it is not exposed to the weather or moisture. Metal will block the RF signal, resulting in a reduced range.
2. For best range, pull the antenna as straight as possible. If the receiver receives interference from local RF activity (e.g., airport or military base), the antenna can be rotated to other direction.

## Learning a New Button Code (channel 1)

1. Press mode switch #1 for three seconds. The green LED will start to flash quickly.
2. While the green LED is flashing quickly, press a button on a compatible transmitter. The green LED will flash once and then turn off to show that that button was learned.
3. Repeat steps 1 and 2 to learn more buttons into channel 1.

NOTE — The green LED will flash a maximum of 15 seconds. If no transmitter button is pressed during this time, the receiver will exit the code-learning mode, and the green LED will turn off.

## Learning a New Button Code (channel 2)

The procedure is the same as for channel 1, except mode switch #2 initiates the code-learning process, and the red LED shows status.

## Note Regarding Code Learning

1. The receiver will only learn the code of a particular button once. Once a button's code is learned, if you try to code-learn that button again, whether it is for the same channel or not, the receiver will exit code learning mode.
2. Each channel can learn the codes of a maximum of 15 transmitter buttons. If you attempt to learn a sixteenth button, the earliest code learned will be deleted.
3. To clear all codes — Press the appropriate mode switch (#1 or #2) for three seconds. When the LED starts flashing, press that switch again for three seconds. The LED flashes twice to indicate that all codes associated with that channel are now deleted.

## Programming Relay Output Modes

The relay output(s) can be programmed for one of four different modes, depending on the application:

- 4-second momentary — Press the transmitter button once. The relay turns on for 4 seconds, and then turns off.
- 1-second momentary — Press the transmitter button once. The relay turns on for 1 second, and then turns off.
- Toggle — Press the transmitter button once, and the relay turns on. Press a compatible transmitter button again, and the relay turns off. (This is the DEFAULT mode)
- Latch — Press the transmitter button once, and the relay turns on and stays on. The relay will remain on until the appropriate mode switch (#1 or #2) is pressed to reset, regardless of whether a compatible transmitter button is pressed again or not.

To program outputs, open case and find the 2 jumpers marked LP1 and LP2. Cut these jumpers, if needed, as follows:

Output type	LP1	LP2
4-second momentary	Uncut	Uncut
1-second momentary	Uncut	Cut
Toggle	Cut	Uncut
Latch	Cut	Cut

NOTE — On the 2-channel models, the output mode of both relays is the same. In other words, you cannot have 4-second momentary output for channel 1 and latch output for channel 2.

Programming each channel Relay N.O. or N.C. output by the relay output programming switch (pre-set N.O. output).

## Mode Switch Operation (one per channel)

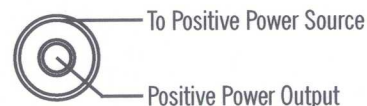
- Learn mode — Press and hold the switch for three seconds.
- Clear memory — Press three seconds, then when the LED starts flashing, press again for three seconds to delete all previously learned codes.
- Reset latched output — If this channel was programmed for latch output, once the relay is turned on with a transmitter button, press the mode switch to turn the relay off.
- Memory Display — Press and release the mode switch to show number of codes stored. LED will flash a number of times to correspond to the number of codes stored.

## LED Indication (one per channel)

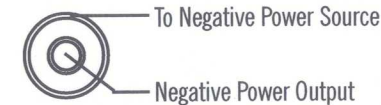
- Steady on — Senses signal from a transmitter button whose code was already learned.
- Fast flash — In the code-learning mode.
- One flash — A transmitter button code was learned.
- Two flashes — All previously learned transmitter button codes were deleted.
- Power on Red Led.
- Relay output indicator Led  
Red Led for channel 1. Blue Led for channel 2.  
Green Led for Channel 3. Yellow Led for channel 4.

## Typical Applications:

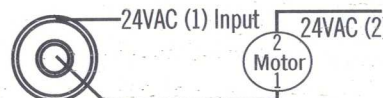
### Positive Output:



### Negative Output:



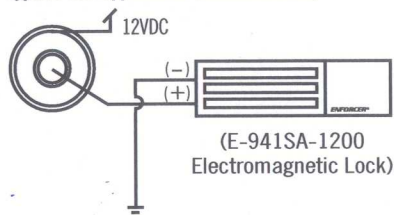
### 24VAC output driving a motor:



### To driving 24VDC motor:



### 12VDC power input, 12VDC positive output: Typical N.C. application (access control).



### 12VDC power input, 12VDC positive output:

