



# WIRELESS WIZARD™

## Universal Wireless Remote Control System

### INSTALLATION INSTRUCTIONS FOR MODEL RC-100 • WIRELESS WIZARD™

Your choice of Wolo's remote control switch system is the perfect choice to compliment your vehicle or vessel. Wolo's products are manufactured with the finest quality materials and every remote system is inspected and tested before being packaged. The Wireless Wizard is built with state-of-the-art electronics, assuring years of reliable service.

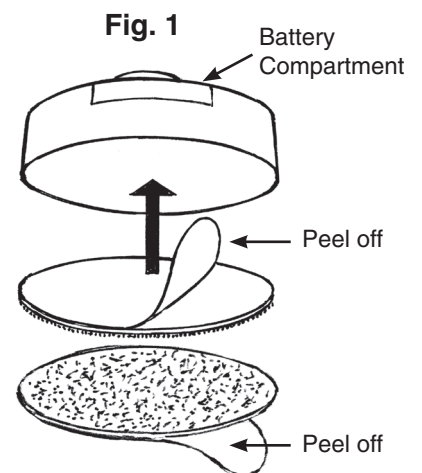
#### THERE ARE TWO OPERATING MODES TO CHOOSE FROM:

1. **HORN MOMENTARY MODE:** When the remote's push button is pressed, it will illuminate blue, to advise that a coded signal is being wirelessly transmitted to the receiver. The receiver will then turn on and power the horn until the remote's push button is released. *Press the remote's button switch, the horn will sound; release button switch and the horn will turn off.*
2. **ACCESSORY ON / OFF MODE:** When the remote's push button is pressed, it will illuminate blue, to advise that a coded signal is being wirelessly transmitted to the receiver. The receiver will then turn on and power the accessory. The accessory will remain powered until the remote's push button is pressed and released a second time. *Press and release the remote's button switch, turn on the accessory. Press and release the remote's button switch a second time and the accessory will turn off.*

Before installation of the Wireless Wizard is attempted, it is important to read these instructions completely and note any messages marked "IMPORTANT".

#### MOUNTING REMOTE TRANSMITTER: Fig. 1

3. Open the battery compartment by pushing downward on the cover. Insert the battery provided. **IMPORTANT:** Position the battery as illustrated by the diagram inside the battery compartment.
4. Press the remote's button switch and it will illuminate blue. If the button does not illuminate, remove the battery and reverse the direction.
5. Slide the battery cover back into position. The remote control transmitter is now ready to be mounted. Locate a flat surface that can easily be reached. **IMPORTANT: Always carefully inspect mounting location to ensure that it will not interfere with the air bags, vehicle's operation, or impair the driver's vision.** Consult the vehicle's shop manual or dealer if the installer is not familiar with the deployment area of the air bags.
6. **IMPORTANT:** Never mount the remote transmitter on the steering wheel. Doing such could cause injury or death if the air bag is deployed.
7. Using the Velcro® tape provided, mount the remote control transmitter to the desired location. Make sure that mounting surface is free from dust, wax, oil and etc. A clean mounting surface is necessary for the tape to adhere properly.



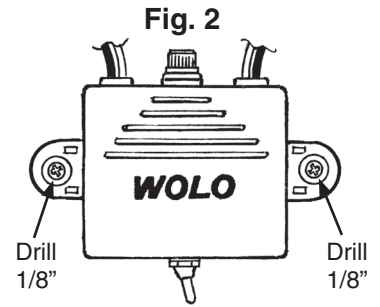
**IMPORTANT:** THE TAPE'S ADHESIVE HOLDING POWER BECOMES MAXIMUM IN 24 HOURS. LIMIT MOVING OR PUTTING PRESSURE ONTO THE REMOTE TRANSMITTER UNTIL THEN.

## MOUNTING RECEIVER: Fig. 2

8. Locate the desired mounting location for the receiver, which should be in close proximity to the horn, or the accessory that the Wireless Wizard will control.

**IMPORTANT:** The receiver should always be mounted in a dry location. If mounted in the engine compartment, make sure it is safe from engine exhaust heat and moving parts.

9. Using the receiver's base as a template; mark two hole locations and drill to size, 1/8".
10. Mount and secure the receiver using the screws provided.



## WIRING RECEIVER TO HORN OR ACCESSORY: Figs. 3 - 5

**IMPORTANT:** The Wizards POWER OUT wires are extended from the back of the receiver case. Please note, the case has been clearly marked above the wires:

- **POWER OUT TO HORN OR ACCESSORY– RED & BLACK** wires will be connected to device you want to turn on/off, horn or accessory.

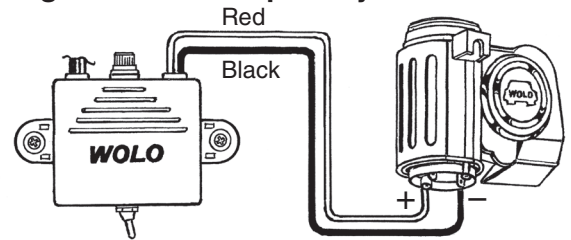
### 11. **RED WIRE FROM WIZARD'S POWER OUT PORT:**

Connects to the device's (+) terminal or post (Fig 3).

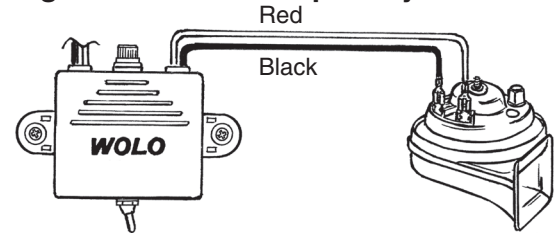
**IMPORTANT:** some devices such as replacement horns do not have polarity markings such as: (+) positive or (-) negative. For such devices, the red wire can be connected to either terminal (Fig.4 or Fig. 5).

12. **BLACK WIRE FROM POWER OUT PORT:** Connects to the device's (-) terminal or post (Fig.3). **IMPORTANT:** some devices such as replacement horns do not have polarity markings such as: (+) positive or (-) negative. For such devices, the black wire can be connected to either terminal (Fig. 4 or Fig. 5).

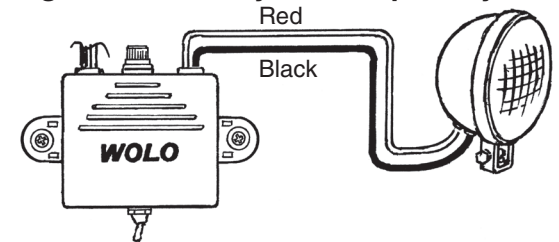
**Fig. 3 – Horn with polarity**



**Fig. 4 – Horn without polarity**



**Fig. 5 – Accessory without polarity**



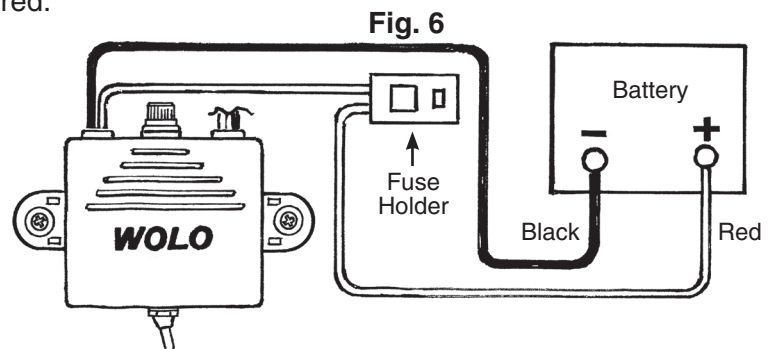
## WIRING RECEIVER TO 12-VOLT POWER SOURCE: Fig. 6

**IMPORTANT:** The Wizards POWER IN wires are extended from the back of the receiver case. Please note, the case has been clearly marked above the wires. Always make sure that the power connection point can handle the current load of the device being powered.

- **POWER IN 12-VOLT – RED & BLACK** wires will be connected to 12-volt power source, such as the vehicle's battery.

13. **BLACK WIRE FROM WIZARD'S POWER IN PORT:** Connect to ground by securing wire under any metal body bolt or the negative (-) battery post. Make sure that the METAL surface around the bolt securing the wire is clean of rust, oxidation and paint to make a good electrical connection.

14. **RED WIRE FROM WIZARD'S POWER IN PORT:** Connect to positive (+) 12-volts such as the fuse block or the positive (+) battery post. Always use the provided inline fuse. **IMPORTANT:** The fuse should never be more than ten (10) inches from the power source. Make sure the connection is at a location free from corrosion or oxidation.

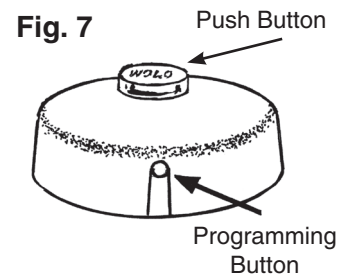


15. **FUSE SELECTION:** The Wireless Wizard comes with three popular Type ATC blade fuses to choose from: 15, 20 and 25-amp. Check the manual of the device that the Wireless Wizard will be powering to find the manufacturer's recommended fuse size. Install the recommended fuse into the fuse holder. The Wireless Wizard comes with the 20-amp fuse factory installed in the fuse holder. **IMPORTANT:** Use only ATC Type fuses.
16. If you need to lengthen any wires use 18 gauge or heavier wire. To ensure dependable service and to prevent shorts, make sure all wire connections are made using terminals and secured with electrical tape.

### **PROGRAMING REMOTE TRANSMITTER & RECEIVER: Fig. 7**

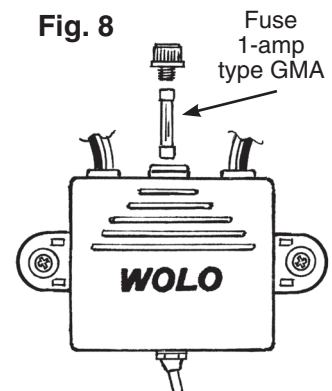
The Wireless Wizard uses self-learning technology to identify the remote's coded radio signal. When programming is completed, the receiver will lock the coded signal into its memory, and then will only be controlled with the your remote. **IMPORTANT:** You will need to program the Wizard (steps 17-19) the first time being used, if the Wizard is electrically disconnected from the vehicle's power source or if you change the transmitter.

17. Locate the programming button on the side of the remote transmitter.
18. Press and hold the programming button, the push button with the Wolo name will illuminate blue and flash. After 3 flashes release the programming button.
19. The Wireless Wizard has been successfully programmed and it is now ready to use.



### **OPERATION**

20. Position the switch on the front of the receiver to either **ACCESSORY ON /OFF** or **HORN MOMENTARY**.
- 20A. **HORN MOMENTARY:** The horn will turn on when the remote's large push button is pressed. When the remote's push button is release, the horn will turn off.
- 20B. **ACCESSORY ON:** The accessory will turn on and stay on when the remote's push button is pressed and released. To turn off accessory, press and release the remote's push button.
21. The fuse located on back panel of the receiver protects the Wireless Wizards electronic circuit. Replace only with a 1-amp type GMA.  
See Fig. 8



### **SPECIFICATIONS:**

#### **Remote Transmitter:**

- Power by battery type 23A 12-volt

#### **Receiver:**

- Current load 30-amp maximum
- Electronic circuit protected by 1-amp fuse type GMA
- Two (2) modes ON / OFF and MOMENTARY
- Self-learning remote transmitter code