

## Users Manual for BrakeLite Alert System



Tested To Comply  
With FCC Standards

*Caution changes or modifications to this device with out the express written approval of Blue Ox will void all authority to operate the equipment.*

The BrakeLite Alert System is a wireless system, which is intended to be used in conjunction with the Blue Ox Apollo braking system while towing a vehicle. This means that the system can be installed without the need for wires connecting tow vehicle to the vehicle being towed. When installed correctly it will notify the user when the towed vehicle's brakes have been activated.

The BrakeLite system consisting of two parts a **receiver** in the tow vehicle and a **transmitter** in the vehicle being towed.

### The Receiver:



*Above: Picture of the Receiver*

The receiver can be installed in the towing vehicle (front vehicle) in **Three Easy Steps**.

1. Remove Receiver from packaging.
2. Plug the receiver automotive adapter into the vehicle's cigarette lighter or other any available 12V power port on the vehicle.

3. Mount the receiver in any convenient location with the light facing the driver and the vehicle being towed.

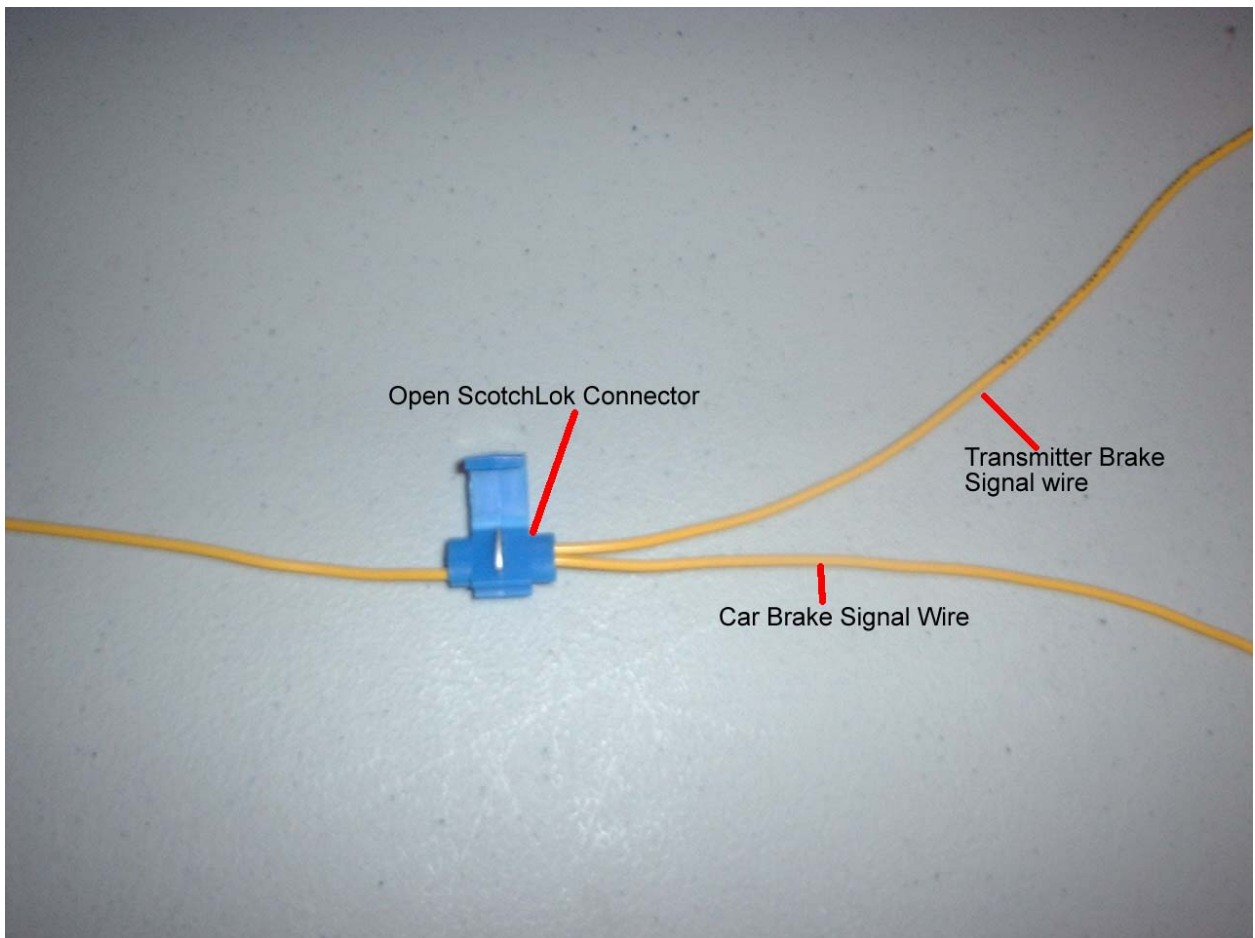
### **The Transmitter:**



*Above: Picture of the Transmitter*

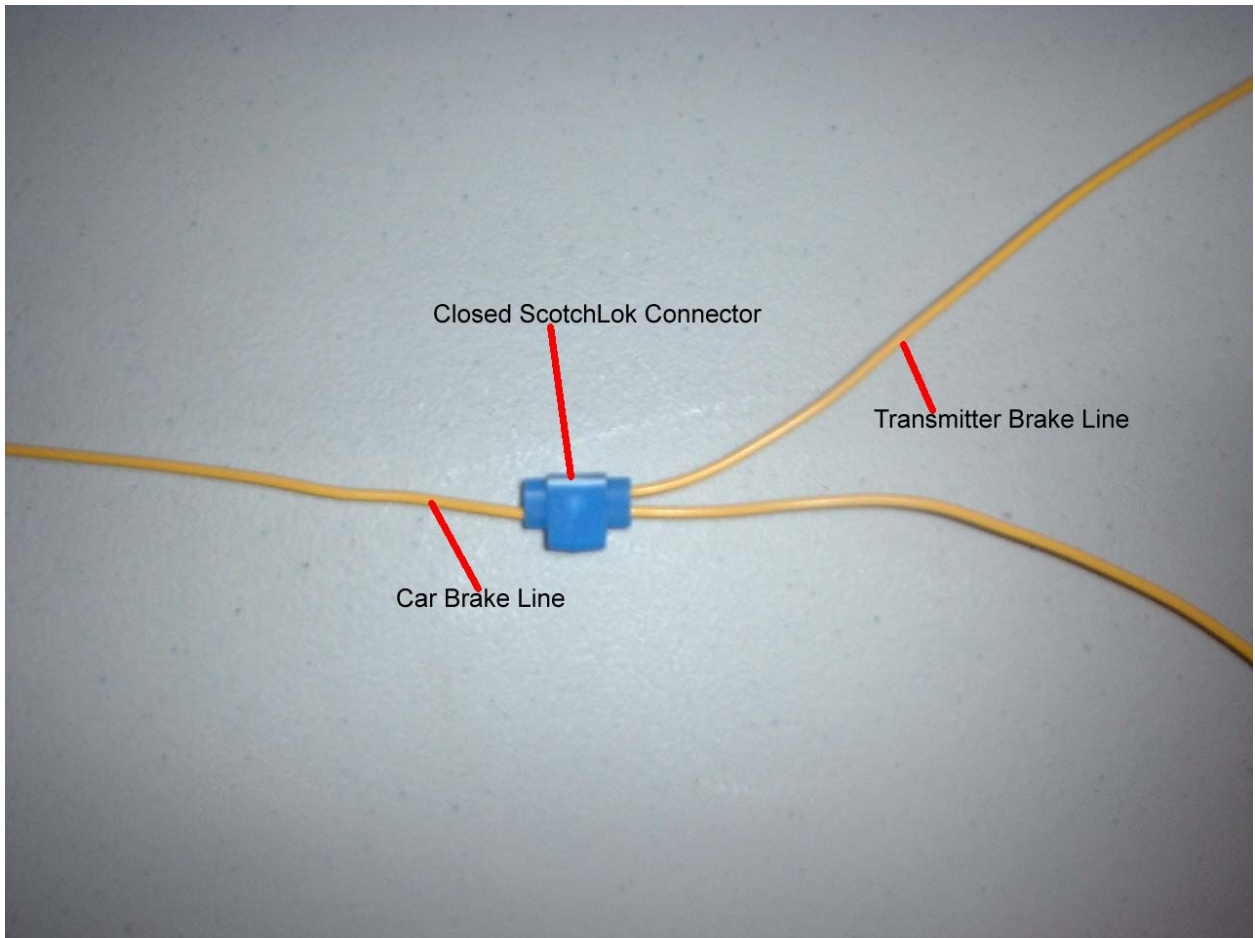
The transmitter can be installed in the towed vehicle in **Four Easy Steps**.

1. Remove transmitter from packaging
2. Attach the yellow wire on the transmitter to the brake light wire in the vehicle using the included ScotchLok wire splice.



*Above: Picture of Open ScotchLok Connector*

Slip the slotted end of the ScotchLok connector around the Car brake signal wire under the dash and insert the transmitter wire into the plugged end of the ScotchLok connector as shown in the picture above.



*Above: Picture of Closed ScotchLok Connector*

*The brake switch signal wire can be found in front and high up on the brake pedal under the dash of the tow vehicle. It is usually behind what looks to be a push button switch that is released when the brake pedal pressed turning on the brake lights.*

3. Plug the transmitter 12V adapter into the cars cigarette lighter or any other available power port on the vehicle; and connect the BrakeLite Signal Wire to the wire on the brake switch signal line. (Connect the two tab connectors together.)
4. Mount with front side facing towing vehicle in a convenient location.

*(Suggested mounting location is to hang the transmitter from the vehicle's sun visor by looping the power and signal wires over the top of the visor.)*

If the above steps are completed successfully the transmitter will now turn on when the brake pedal is pressed and LED on the front panel when the transmitter turns on because the brakes have been activated on the tow vehicle.

**BrakeLite Specifications:**

**Transmitter Specifications:**

Operating Voltage	9V-24V
Current Consumption	25mA
Center Frequency	916.48MHz
Bandwidth	28KHz
Output Power	4dBm
Length	3.5 Inch
Width	1.77 Inch
Height	0.72 Inch

**Receiver Specifications:**

Operating Voltage	9V-24V
Current Consumption	25mA
Center Frequency	905.78MHz
Reception Bandwidth	3 MHz
Sensitivity	-97dBm
Length	3.5 Inch
Width	1.77 Inch
Height	0.72 Inch

**System Specifications:**

Operating Temperature Range	-20°C ~ +70°C
Operating Range	100ft