

# TowMate®

"World's Only Full Functioning  
Wireless Taillight System"

## TowMate 'TM48SS' Heavy-Duty Wireless Truck Bar

### Guide to Operations



### System Features:

- Your complete system should include:
  - The Light, Transmitter (the sending unit that plugs into the truck), and a 7-Pin plug that you will use for charging.
- High performance electronics provide optimum range and reliability.
  - 1,000 feet of 'line-of-sight' range.
  - Injection molding keeps the electronics completely sealed from the elements such as moisture, corrosion, or vibration damage.
- Indicator light tells you when your unit is being charged.
  - Light on plug tells it is providing power
  - Light on the light bar tells it is receiving a charge
- Lifetime Warranty
  - Covers Electronics and LED's
    - If ever the light fails to get a signal or an LED burns out, TowMate will replace the defective component at **no cost**.
- I-MON Compatible
  - Never leave your light behind again with the new I-MON Interactive Monitoring System available now! (Pictured Below)



## General Operating Tips:

### Wireless S/T/T:

1. First, plug the transmitter into the receptacle on the truck.
2. Power the light on by flipping the Toggle switch on the left side of the bar to the 'On' position.
  - a. The light will go through a brief flash sequence indicating what series of electronics are in the unit (useful when servicing or replacing parts).
3. The light should now be fully operational for Wireless S/T/T signals.

### Arrow/Strobe Strip

1. With the master switch turned on (the switch on the left end of the bar), activate the Toggle switch on the far right side of the light bar.
2. The Amber Safety Strip should now be illuminated and running through one of its four patterns. To change the pattern, press down on the 'momentary switch' button (covered in a rectangular rubber boot and located right next to the strobe toggle switch).
  - a. The light should cycle through its various functions at the push of a button.
    - i. Left to Right
    - ii. Right to Left
    - iii. Center Out
    - iv. Quad-Flash Strobe

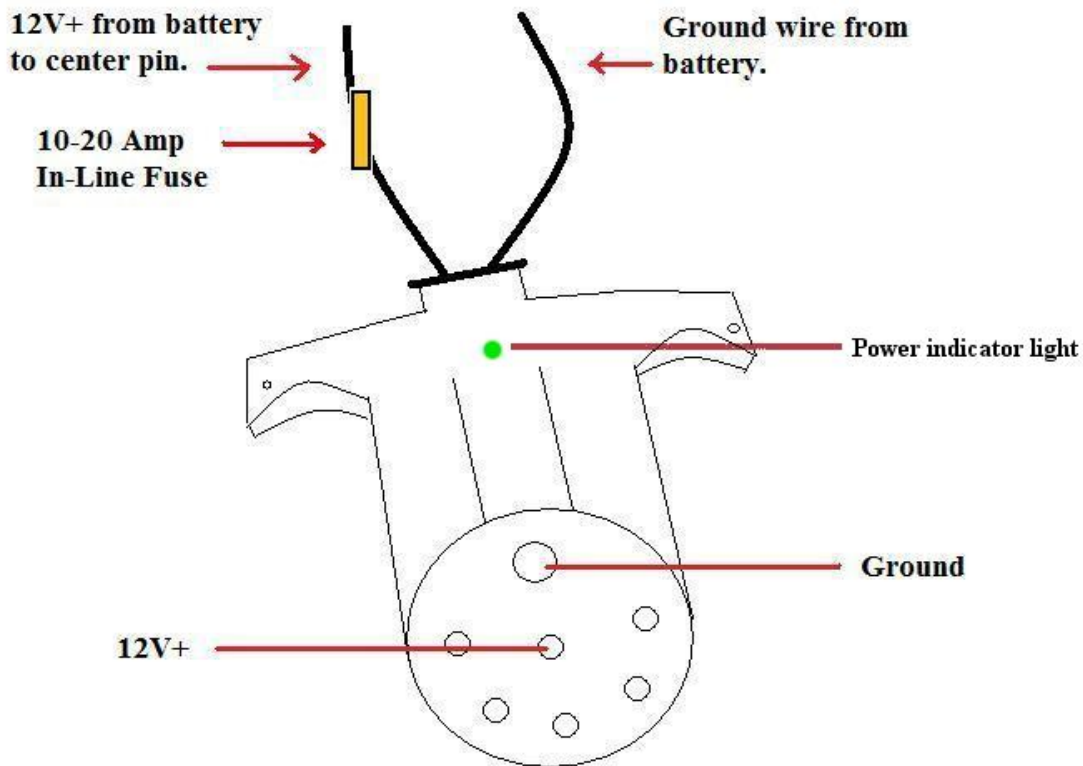
## Additional Tips:

- Always check to be sure that the light is securely fastened to the load you are hauling.
- Leave the light on charge when not in use so that it will be ready for the job when you are.

## Charging:

- Use the 7-Pin plug provided for charging.

- Run a 12V+ wire off of the trucks battery or 12V power point and connect it to the center pin of the 7-Pin plug.
  - **Be sure to place a 5-10 Amp fuse in line of you 12V+ wire.**
- Run the negative wire off of the trucks battery or power point and connect it to the largest pin around the outer ring of the 7-Pin plug.
- Once the power indicator light is illuminated, your charger is ready to plug-in.



**Charging Schematic for TM36/TM48**

- It takes 6-8 hours to fully recharge the batteries in the light.
- You cannot overcharge the unit off of the trucks 12V system.
- The batteries in the unit should have a total life of 1-2 years.
  - If a battery dies prior to the expected 12 month lifetime, TowMate may choose to warranty (generally under 6 months), or pro-rate (6-12 months), the replacement.
- If your light appears to have low batteries or will not take a charge, be sure that the in-line fuse of the charger is still good. If it is blown, replace with a 10-20 amp fuse.

- If the fuse is good, verify the connections of the charger and at the correlating pins inside of the light at the socket.

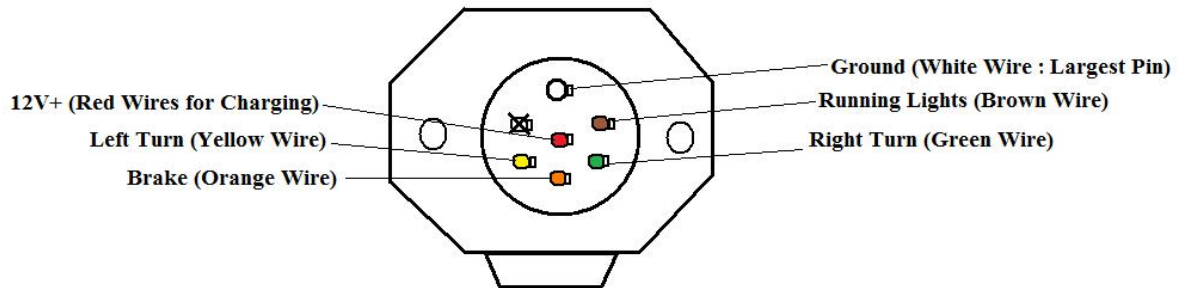
## 7-Pin Wiring



7-Pin RV Style

7-Pin Truck Style

**TowMate 7-Pin Socket Wiring Schematic (As Viewed From Inside Of The Light)**



*\*\* 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.*