

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's code (serial number) on the manual for future reference.

Please do keep this manual and the receipt in a safe and dry place for future reference.

Master Tailgaters

PARTS MT

WIRELESS TOWING LIGHT BAR KIT

User Manual

Patent Pending



IEC-62133
UN 38.3
MSDS

⚠ WARNING

When unpacking, make sure that the product is intact and undamaged.

If any parts are missing or broken, if find Serial Number are different between Transmitter and Light Bar. Please call dealer as soon as possible.

Please keep use defaulted charger for Light bar kit charging, which as UL quality approved.

Product Technical Data Sheet

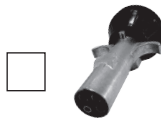
Led Light Working Voltage	DC12V
Led Light Functions	Tail / Turn / Stop / Reverse(RB Type)
Wireless Working Frequency	2.4GHz
Battery Type	Rechargeable Li-ion Pack 14.80V/ 2200mAh(UN38.3)
Battery Charging Time (Use Defaulted Charger)	2.5 Hours (Charging Rating: 16.8V /1A)
Working Time (Depend on Operation & Environment)	Up to 10 Hours (Testing Condition As Tail Light Keep On)
Pivot-Bracket Adjustable Range	-30°~0°~90° degree

Parts List

Transmitter x 1



7 Pin Blade

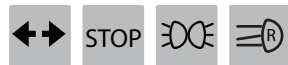


4 Pin Round Metal



4 Pin Flat

Receiver x 1



Charger x 1



Important Safety Information

1. Always follow posted speed limits to ensure the lights stay securely in place.
2. Ensure lights are securely attached to the vehicle before driving.
3. Make sure to fully charge the lights before use to avoid battery depletion, which could cause a traffic hazard.
4. Mount lights according to regulations, ensuring red lights face backward. Improper setup can confuse or distract other drivers.
5. It is essential to test both the vehicle trailer light plug (sockets) and tow lights before use. Always turn off the vehicle and set the parking brake during testing.
6. Do not use these lights on marine or boat trailers. They are not waterproof or submersible.
7. This product is not a toy and used for safety only. Keep it out of reach of children and do not use it for unintended purposes.
8. Inspect the product before each use. Do not use if any parts are loose or damaged. Check wires and connections for insulation damage or loose wires, and make necessary repairs before use.
9. Individuals with pacemakers should consult their physician before use. Electromagnetic fields near the product may interfere with pacemaker function or cause pacemaker failure.
10. Regularly check the light position and function while towing, especially on rough or uneven surfaces or in windy conditions. Under extreme circumstances, the magnets may lose their grip on the vehicle.
11. Li-Ion BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY. Do not short, incinerate or open battery.
12. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
13. Regular charging and full charging are essential. If the product has been in storage for 3-4 months, a minimum of 2 hours of charging is required. All lithium batteries have similar charging needs.
14. Store in a dry environment. If not in use for an extended period, it is necessary to charge the battery every 3-4 months to maintain its health.

Setup



Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this document including all text and Pictures and Diagrams under subheadings therein before set up or use of this product.

Towing Vehicle Installation

1. Before installing, check the battery capacity available by Long-pressing the Power button over 5 seconds . If fewer than two indicator lights are on, fully charge the light bar kit before use.
2. To avoid scratches, clean the mounting surface/locations and make sure the magnetic bases are free of debris before mounting.
3. Set the lights on the back of the vehicle being towed , make sure the red side of each light faces backwards.
4. Mount the tow lights high whenever possible. Choose a location that offers complete visibility to ALL following vehicles at ALL times
5. Note: Check your state's regulations on tail light spacing and tail light use.

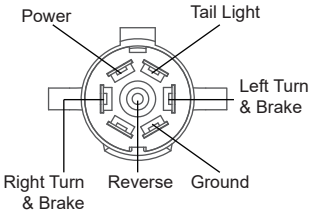
****CAUTION!**** Have an assistant operate and test the vehicle's lights while you carefully check that both the vehicle and towing lights are functioning properly before using the vehicle on the road.

- The tow lights should both light when the towing vehicle's running lights are switched on.
- The tow lights should both light brightly as you apply the brake.
- The tow lights should flash brightly for left turn and right turn, AND match tow vehicle flashing with respect to driver side or passenger side. If ANY function of the vehicle lights or towing lights does not work, do not drive the towing vehicle until all lights are repaired and retested successfully.

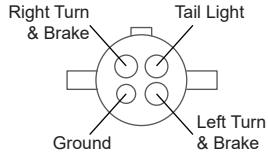
Operation/Function Profile

Transmitter

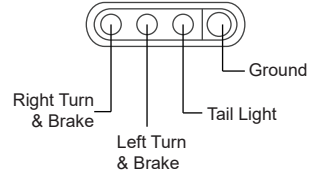
7 Pin Blade



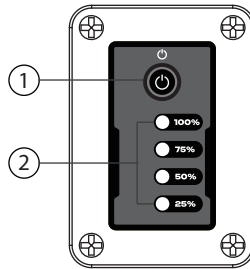
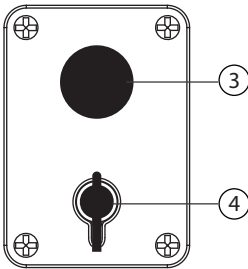
4 Pin Round Metal



4 Pin Flat

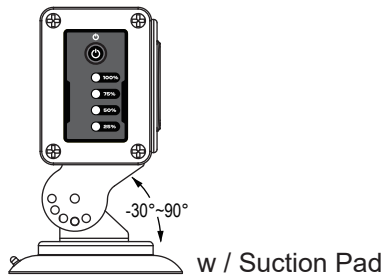


Light Bar



- ① Power Switch
- ② Battery Capacity Indicator
- ③ High Gain Antenna
- ④ Charging Port

Pivot Bracket



Charging

The default charger is a UL-approved 110V model. During charging, the "Red" LED light on the charging plug will indicate charging in progress. Once fully charged, the LED will turn to "Green."

⚠WARNING

TO PREVENT SERIOUS INJURY OR DEATH FROM DRIVING HAZARDS:

Park on level area away from traffic and set vehicle parking brake/chock tires.

Test operation of all lights before every use. Troubleshoot and repair before using.

Do not use while trailer light operation does not match vehicle light operation, if any lights do not light up, or if any lights flicker.

Operating Instructions

1. Plug the transmitter into the towing trailer hitch socket on the vehicle end.

WARNING: Make sure the Transmitter is secured to the body or chassis of the tow vehicle and is not hanging anywhere near the road surface.

2. Press and hold the power button for 5+ seconds until the light bar turns on. The battery indicator LED will remain lit. If the battery indicator LED shows only 2 levels, the light bar needs to be charged

3. Test each vehicle function before towing on road, making sure that tow lights respond properly.

4. After confirming the test, the Towing Light Bar Kit is now ready for use. It will automatically illuminate when the running lamps, brake pedal, or turn signals of the towing vehicle are activated.

5. After towing, disconnect the transmitter and remove the tow lights from the towed vehicle. Clean with a moist cloth and store in a dry location, out of reach of children. Avoid dragging the magnetic bases, as they may scratch the vehicle's paint. Instead, gently push to tilt and then lift up to remove.

Troubleshooting

Problem	Possible Causes
No Lights Power up	<ol style="list-style-type: none">1. Check Vehicle Towing socket PIN diagram , whether meet our PIN regulation Diagram , this is most important to verify.2. Loose connection on tow vehicle wiring harness.3. Batteries in Light Bar are empty.4. Transmitter not plugged into vehicle towing socket properly or connection is loose
Trailer light operation does not match vehicle light operation	Tow vehicle harness not wired properly to vehicle electrical system.
Vehicle's fuse blows repeatedly	Short circuit somewhere in vehicle wiring. Diagnose to isolate and solve the problem
All lights flicker. Or specific light does not light up or flickers.	Light or transmitter is faulty, or Transmitter is loose, or signal distance too long to communicate properly. Perhaps there maybe signal interference nearby



Whenever diagnosing or servicing the lights as safety precautions .

Park on level area away from traffic and set vehicle parking brake/chocks.



PLEASE READ THE FOLLOWING CAREFULLY

Disclaimer

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND INSTALLATION DIAGRAM IN THIS DOCUMENT FOR REFERENCE PURPOSES ONLY. NEITHER THE MANUFACTURER NOR THE DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY REGARDING THE BUYER'S QUALIFICATIONS TO REPAIR OR REPLACE PARTS OF THE PRODUCT.

IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR STRONGLY ADVISES THAT ALL REPAIRS AND PART REPLACEMENTS BE PERFORMED BY CERTIFIED AND LICENSED TECHNICIANS, NOT THE BUYER.

THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING FROM ANY REPAIRS OR REPLACEMENTS MADE TO THE ORIGINAL PRODUCT OR ITS PARTS, OR FROM INSTALLING REPLACEMENT PARTS.

Contact:

For any Questions or Issues, contact us at

info@mastertailgaters.com

info@partsmt.com

www.mastertailgaters.com

www.partsmt.com