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WOWTOU WTAG-6S-Light-Bar

WOWTOU WTAG-6S-Light-Bar: 56 LED Amber Green Emergency Light Bar Instruction Manual

Brand: WOWTOU | Model: WTAG-6S-Light-Bar

Introduction

Thank you for choosing the WOWTOU WTAG-6S-Light-Bar. This 56 LED amber green emergency light bar is designed to provide superior visibility and safety for various vehicles, including trucks and POV (Privately Owned Vehicles). Featuring high-intensity LEDs, multiple flash patterns, and robust construction, this light bar is an essential tool for emergency and safety applications. This manual will guide you through the installation, operation, and maintenance to ensure optimal performance and longevity of your device.

Key Features

- **High-Intensity LEDs:** Equipped with 56W high-power LEDs and TIR optic lens for 360-degree visibility.
- **Durable Construction:** Features an aluminum alloy housing for enhanced durability.
- **Weatherproof Design:** IP65 waterproof rating ensures protection against dust and heavy rain.
- **Versatile Mounting:** Includes 4 heavy-duty magnetic bases for temporary mounting (rated up to 85 mph) and options for permanent bracket mounting.
- **Multiple Flash Patterns:** Offers 27 selectable flash patterns, including steady and alternating functions, with a last pattern memory recall feature.
- **Easy Control:** Operated via a 16-ft cord cigarette plug with built-in on/off and flash pattern switches.
- **Power Input:** Supports 12 Volt DC power input.
- **Compact Size:** Dimensions of 28(L) x 6.5(W) x 3.1(H) inches for a low-profile design.



Figure 1: Illuminated light bar on a vehicle roof, demonstrating key features like 360-degree light output and multiple flash patterns.

Package Contents

Please check the package for the following items:

- 1 x WOWTOU WTAG-6S-Light-Bar (Amber/Green)
- 1 x Cigarette Plug Controller (16-ft cord)
- 4 x Magnetic Bases (pre-installed)
- 1 x Fuse (included with cigarette plug)
- Mounting Brackets and Screws (for permanent installation, may be included or sold separately depending on package variant)

Safety Information

- Always ensure the light bar is securely mounted before vehicle operation.
- Verify local laws and regulations regarding the use of emergency and warning lights on vehicles.
- Do not look directly into the LEDs when illuminated, as this may cause eye strain or damage.
- Ensure the power source is 12V DC. Connecting to an incorrect voltage may damage the unit.
- Keep the power cord away from hot surfaces and moving parts.

Setup & Installation

A. Magnetic Mounting (Temporary)

1. Clean the vehicle's roof surface thoroughly to ensure it is free of dirt, dust, and moisture.
2. Carefully place the light bar on the desired flat surface of the roof. The four heavy-duty magnetic bases will secure it.
3. Ensure all four magnets have full contact with the roof surface for maximum adhesion. The magnetic bases are designed to hold securely even at speeds up to 85 mph under normal conditions.
4. Route the 16-ft power cord into the vehicle's cabin, ensuring it does not interfere with doors or windows.
5. Plug the cigarette lighter adapter into your vehicle's 12V DC power socket.

B. Bracket Mounting (Permanent)

For a permanent installation, the magnetic bases can be removed, and the light bar can be mounted using screws and brackets (not always included, check package contents).

1. Carefully remove the magnetic bases from the light bar.
2. Position the light bar on the desired mounting surface and mark the drilling locations for the brackets.
3. Drill pilot holes as necessary, ensuring not to damage any underlying vehicle components.
4. Secure the light bar using appropriate screws and mounting brackets.
5. Route the power cord and connect it to a suitable 12V DC power source, ensuring proper wiring and fusing. Professional installation is recommended for permanent wiring.



Figure 2: Two-way mounting solutions: Magnetic for temporary use and bracket for permanent installation.

Operating Instructions

The WOWTOU WTAG-6S-Light-Bar is controlled via the cigarette plug adapter.

1. **Power On/Off:** Once the cigarette plug is inserted into the 12V DC socket, press the **Power On/Off button** on the controller. An indicator light will illuminate when the unit is powered on.
2. **Changing Flash Patterns:** Press the **Pattern Switch button** to cycle through the 27 available flash patterns. Each press will advance to the next pattern.
3. **Memory Function:** The light bar features a last pattern memory recall function. When the unit is turned off and then back on, it will resume the last selected flash pattern.



Figure 3: Cigarette plug controller with Power On/Off and Pattern Switch buttons.

Care and Maintenance

- **Cleaning:** Clean the light bar and lenses regularly with a soft, damp cloth. Avoid abrasive cleaners or solvents that could

damage the housing or lens.

- **Waterproof Rating:** The light bar has an IP65 rating, meaning it is protected against dust ingress and low-pressure water jets from any direction. It is suitable for use in heavy rain but is **not designed for immersion (IP67 rating)**. Avoid submerging the unit in water.
- **Magnetic Base Inspection:** Periodically check the magnetic bases for any debris or damage that could affect their adhesion to the vehicle surface. Ensure the contact surface on the vehicle is clean before each use.
- **Cord and Plug:** Inspect the power cord and cigarette plug for any signs of wear, cuts, or damage. Replace if necessary to prevent electrical hazards.
- **Fuse Replacement:** If the light bar stops working, check the fuse located within the tip of the cigarette plug. Replace it with a fuse of the same rating if blown.



Figure 4: Light bar operating in rainy conditions, demonstrating its IP65 dustproof and waterproof capabilities.

Troubleshooting

Problem	Possible Cause	Solution
Light bar does not turn on.	No power to the cigarette socket; Blown fuse in the plug; Loose connection; Faulty unit.	Check vehicle's 12V socket with another device. Replace fuse in cigarette plug. Ensure plug is fully inserted. Contact customer support if issue persists.
Flash patterns do not change.	Pattern switch button not fully pressed; Faulty switch.	Ensure the pattern switch button is pressed firmly until a click is felt and the pattern changes. If not, contact customer support.
Magnetic mount does not hold securely.	Dirty or uneven mounting surface; Damaged magnets; Weak spring in cigarette plug causing intermittent power.	Clean the vehicle's roof surface. Inspect magnets for damage. Ensure the cigarette plug's center pin spring is not too strong, preventing full contact (a common issue, may require trimming the spring slightly).
Light output is dim or inconsistent.	Low vehicle voltage; Damaged LEDs; Loose wiring.	Check vehicle's battery voltage. Inspect for visible damage to LEDs or wiring. Contact customer support.

Specifications

Attribute	Detail

Attribute	Detail
Model Number	WTAG-6S-Light-Bar
Color	Amber / Green
Light Source Type	LED
Number of Light Sources	56
Light Source Wattage	56 Watts
Voltage	12 Volts (DC)
Material	Aluminum
Finish Type	Powder Coated
Dimensions (L x W x H)	28" x 6.5" x 3.1" (71cm x 16.5cm x 7.9cm)
Item Weight	2.5 Kilograms
Waterproof Rating	IP65
Flash Patterns	27 selectable, plus steady and alternating functions
Cord Length	16 feet



Figure 5: Detailed dimensions of the WOWTOU WTAG-6S-Light-Bar.

Warranty Information

The WOWTOU WTAG-6S-Light-Bar comes with an **18-month manufacturer and seller warranty**. This warranty covers defects in materials and workmanship under normal use. Additionally, a **30-day money-back or replacement service** is offered from the date of purchase. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or warranty claims, please contact WOWTOU customer support through the retailer's platform where you purchased the product. Please have your model number (WTAG-6S-Light-Bar) and purchase details ready

when contacting support.

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