



*Motorcycle Helmet  
Safety Light*

## **OWNER'S MANUAL**

- **WHL-40** (Half Helmet)
- **WHL-80** (Full or 3/4 Helmet)



**WHISTLER**

# INTRODUCTION

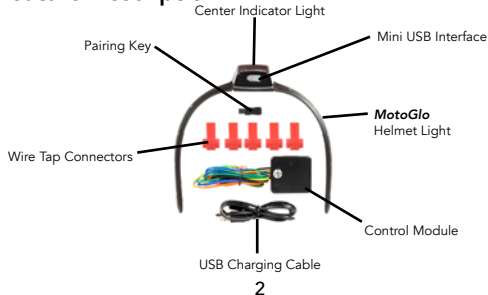
## Welcome

Thank you for choosing a Whistler product. We are dedicated to providing products that represent both quality and value. Please read the user manual carefully before using this product. If you have additional questions, please visit the FAQ page on our website at [www.whistlergroup.com](http://www.whistlergroup.com) or call toll free 800-531-0004, 8am to 5pm CT, Monday through Friday to speak to a Customer Service Representative.

## Packing List

- **MotoGlo** Helmet Light
- Control Module
- Pairing Key
- Wire Tap Connectors x 5
- USB Charging Cable
- Owner's Manual

## Feature Description



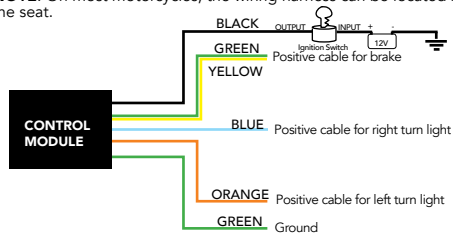
# INSTALLATION

**NOTE:** The Control Module is designed for connection with multi wire loom systems and not for CAN bus applications.

## Control Module Installation

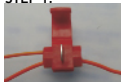
1. Using a **computer safe** test light probe or volt/ohm meter, locate each of the wires for:
  - 12V when motorcycle ignition is ON
  - Brake Light
  - Right Turn Signal
  - Left Turn Signal
  - Ground

**NOTE:** On most motorcycles, the wiring harness can be located beneath the seat.



2. Using the provided wire taps and the wiring diagram above, attach the wires of the **CONTROL MODULE** to the appropriate wires of the motorcycle, making sure that wire connections have good contact.  
**NOTE:** Electrical tape may be used to wrap the connections for better resistance to moisture.

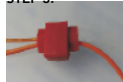
STEP 1:



STEP 2:



STEP 3:



- Place the **CONTROL MODULE** in a weather protected area (such as beneath the seat) and secure to prevent movement. Locate so that it does not interfere with other motorcycle components or wiring.

**NOTE:** The **CONTROL MODULE** must be wired in line **BEFORE** any additional after market items such as taillight or brake light modulators.

### Installation On Helmet

- HELMETS VARY. Before removing protective backing from the adhesive pads, test fit the MotoGlo on the back base of helmet to determine best position and fit.
- Using isopropyl alcohol, clean the area of the helmet where the MotoGlo is to be applied. Allow the alcohol to dry.
- Remove the protective backing from the center adhesive pad and carefully apply the MotoGlo to the helmet in the predetermined area identified in step 1, making sure it is centered from left to right.
- Remove the protective backing from the LED extensions (one at a time) and carefully apply to the helmet.

### NOTES:

- The adhesive is intended for a one time application. It is best to lightly position the MotoGlo insuring proper location, then apply firm pressure for several seconds to insure a good adhesive bond.
- If the MotoGlo is to later be reused on a different helmet, carefully remove the MotoGlo without damaging the LED extensions or center module.
- Clean the residual adhesive pads from the MotoGlo and replace with appropriate automotive molding adhesive pads or tape.

### Charging the MotoGlo

Use the included USB cable to charge the MotoGlo. The center indicator light is RED while charging and will turn GREEN when the MotoGlo is fully charged. (A standard USB to mini USB cable can also be used.)

### MotoGlo Operation

**Pairing** (only for initial operation)

- Install the Control Module and fully charge the MotoGlo Helmet Safety Light. Refer to Power ON/OFF for additional information.

**NOTE:** If the MotoGlo does not automatically pair with the control module after initial charge, or if pairing a second MotoGlo to the same control module, the following steps are to be used to manually pair the MotoGlo with the control module.

- With the motorcycle ignition ON, insert the Pairing Key into the mini USB interface on the MotoGlo. (MotoGlo should be fully charged.)
- The MotoGlo has been successfully paired with the Control Module and activated when the Indicator Light turns BLUE.
- Remove the Pairing Key and the Indicator Light will turn RED.
- Store the Pairing Key in a place of safe keeping.

### Power ON/OFF

- The MotoGlo default is automatically in operational mode once properly paired with the control module. With the motorcycle ignition ON, the MotoGlo will power ON when it detects a slight movement of the helmet and will power OFF a few seconds after the motorcycle ignition is turned OFF.

### NOTES:

- The MotoGlo may also be manually turned OFF in the event the rider does not want the MotoGlo to operate while the motorcycle is in use, as in situations with a passenger. With the motorcycle ignition ON, make sure the MotoGlo is within range of the control module and operating. Apply and hold the brake and then operate left-right-left turn signals within 3 seconds, and then release the brake. The MotoGlo should now turn OFF.

## OPERATION

- Once manually turned OFF, the same procedure must be used to power ON the MotoGlo.

**IMPORTANT:** If 2 MotoGlo Helmet Lights have been paired to the control module, the procedures above will affect BOTH helmet lights if they are in range of the control module. If only one MotoGlo is to be manually turned OFF or ON, make sure the other MotoGlo is in "sleep" status or out of range (>100FT) of the control module.

**NOTE:** The MotoGlo will go into "sleep" status when the ignition is turned OFF and the MotoGlo powers OFF a few seconds later. The MotoGlo will remain in "sleep" status until a slight movement is detected after the ignition is turned ON.

### Running Lights

- The RED running lights remain ON in normal operating mode unless changed by the user.
- The status of the running lights may be changed by operating the left-right-left turn signals within 3 seconds. Each completed left-right-left cycle of the turn signals will advance the running light condition to the next status.

ON --> FLASHING --> OFF --> ON --> FLASHING --> OFF

### Turn Signals

- The AMBER lights will flash either right or left when the appropriate turn signal is activated on the motorcycle. The running lights will go out while the turn signal is ON.
- When the brake is applied while turning, the RED brake light will illuminate on the opposite side of the turn signal.



## OPERATION / SPECIFICATIONS

### Brake Light

The BRAKE lights will illuminate when the brake is applied, and will be a brighter RED than the running light condition.



### NOTES:

- The center RED indicator light will remain illuminated regardless of operation, unless the MotoGlo has been turned OFF.
- The center RED indicator light will flash when the battery needs to be recharged. When this occurs, the MotoGlo will no longer operate until the battery has been recharged.

## Specifications

### Transmitter

TX Frequency	433MHZ
Weight (oz/g)	1.4oz / 39g
Size (in/mm)	1.8 x 1.7 x 0.7 / 47 x 44 x 16.5
TX Range	50' ± 10' / 15m ± 3m
Working Volt(Input)	12V
Peak Current	39mA
Waterproof	IP63

### Receiver

Charging Volt		5V
Battery Capacity		1100±50mAh
Peak Current		63mA
Stand by Current		0.19mA
Weight (oz/g)	WHL-80 WHL-40	2.8oz / 78.5g 2.7oz / 75g
Size (in/mm)	WHL-80 WHL-40	15 x 0.8 x 0.9 / 380 x 45.5 x 23 14.8 x 0.8 x 0.9 / 375 x 45.5 x 25
Waterproof		IP63
Charging Current		1A

## WARRANTY INFORMATION

### Consumer Warranty

This Whistler product is warranted to the original purchaser for a period of one (1) year from the date of original purchase against all defects in materials and workmanship, when purchased from an authorized Whistler retailer. **This limited warranty is void if the unit is abused, misused, modified, installed improperly, or if the housing and/or serial numbers have been removed.**

There are no express warranties covering this product other than those set forth in this warranty. All express or implied warranties for this product are limited to one (1) year. *Whistler is not liable for damages arising from the use, misuse, or operation of this product including but not limited to loss of time, inconvenience, loss of use of your product or property damage caused by your product or its failure to work, or any other incidental or consequential damages including personal injury.*

#### **DO NOT RETURN ITEM TO STORE WHERE PURCHASED.**

FOR WARRANTY INFORMATION, CONTACT WHISTLER CUSTOMER SERVICE AT 1-800-531-0004.

Representatives are available to answer your questions Monday – Friday from 8:00 a.m. to 5:00 p.m. CT

### Service Under Warranty

During the warranty period, defective units will be repaired or replaced (with the same or a comparable model), at Whistler's option, without charge to the purchaser when returned prepaid, with dated proof of purchase to the address below. Units returned without dated proof of purchase will be considered out of warranty and therefore are not covered by the described Limited Warranty. (Refer to Service Out of Warranty section.)

Due to the specialized equipment necessary for testing Whistler products, there are no authorized service centers other than Whistler. When returning a unit for service under warranty, please follow these instructions:

1. Ship the unit in the original carton or in a suitable sturdy equivalent, fully insured, with return receipt requested to:

**Whistler Repair Dept.**  
1412 South 1st St.  
Rogers, AR. 72756

Please allow 3 weeks turnaround time.

## WARRANTY INFORMATION

**IMPORTANT:** Whistler will not assume responsibility for loss or damage incurred in shipping. Therefore, please ship your unit insured with return receipt requested. **CODs will not be accepted!**

2. Include with your unit the following information, clearly printed:
  - Your name and physical street address for shipping (no PO Boxes), a daytime telephone number, and an email address (if applicable).
  - A detailed description of the problem (e.g., "device will not power ON").
  - A copy of your dated proof of purchase or bill of sale.
3. Be certain your unit is returned with its serial number. Units without serial numbers are not covered under warranty.

**IMPORTANT:** To validate that your unit is within the warranty period, make sure you keep a copy of your dated proof of purchase. For warranty verification purposes, a copy of your dated store receipt must accompany any Whistler product sent in for warranty work.

### Service Out Of Warranty

Units will be repaired at "out of warranty" service rates when:

- The unit's original warranty has expired.
- A dated proof of purchase is not supplied.
- The unit has been returned without its serial number.
- The unit has been misused, abused, modified, installed improperly, or had its housing removed.

The minimum out of warranty service fee for your Whistler Helmet Safety Light is \$35.00 (U.S.). If you require out of warranty service, please return your unit as outlined in the section "Service Under Warranty" along with a cashier's check or money order in the amount of \$35.00. Payment may also be made by MasterCard, VISA or American Express.

**Personal checks are not accepted.**

## WARRANTY INFORMATION

In the event repairs cannot be covered by the minimum service fee, you will be contacted by a Whistler technical service specialist who will outline options available to you.

**IMPORTANT:** When returning your unit for service, be certain to include a daytime telephone number and an email address (if applicable).

### Customer Service

If you have questions concerning the operation of your Whistler product, or require service during or after the warranty period, please call Customer Service at **1-800-531-0004**.

Representatives are available to answer your questions Monday - Friday from 8:00 a.m. to 5:00 p.m. (CT) or visit the F.A.Q.'s at [www.whistlergroup.com](http://www.whistlergroup.com).

### CORPORATE HEADQUARTERS

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FX (479) 273-2927  
[www.whistlergroup.com](http://www.whistlergroup.com)

### CUSTOMER RETURN CENTER

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Rogers, AR 72756  
Customer Service Tel (800) 531-0004  
Email: [info@whistlergroup.com](mailto:info@whistlergroup.com)

P/N 404003  
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