



## Custom Dynamics® Magical Wizards™ Wheel Light Installation Instructions

We thank you for purchasing the Custom Dynamics® Magical Wizards™ Wheel Light! Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

### Part Numbers: MWZ12

#### Package Contents:

- Magical Wizards™ Wheel Light (1)

**Remote required for proper operation; choice of: Color Command wireless remote or Color Command Bluetooth 4.0 wireless remote.**

Optional (Sold Separately):

CG01 Cage Clamps (4) for wire connection (included w/lighting kits)  
Winter Kill Switch (1) to kill power to remote during storage (included w/lighting kits)

**Fits:** All Harley-Davidson® Brake Calipers

(except: narrow glide front ends, Sportsters®, some Dynas®, and 2006-2017 V-Rods).

**Fits:** Any metric bike where the back side of the brake caliper is flat and there is 5/8" clearance between the caliper and wheel.

Compatible with 12VDC systems with a negative ground.



## ATTENTION



Please read all Information below before Installation

Always wear appropriate safety gear including safety glasses when soldering or performing any electrical work. It is highly recommended that safety glasses be worn throughout this installation process. Temperature of bike must be at least 60 degrees F. for tape to properly cure. Read all directions before starting project.

Important: Disconnect negative battery cable from battery; refer to owner's manual. Failure do to so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on bike.

### Installation:

1. Clean mounting side of the brake caliper on the motorcycle with denatured alcohol and allow to dry.
2. Route the non-black wires (-) and black wire (+) from Magical Wizards™ wheel light back to central point under seat. Route wires such that they not interfere with normal operation of bike. Cut off any excess wires, strip back insulation as required. (See page 2 for wiring diagram)

**Warning: Never connect the black wire to a non-fusible power source.**

**Caution: If you install the black wire directly to the positive side of the battery, you will not be able to turn unit off and it will drain the battery over time.**

3. Once wiring has been complete per page 2 diagram, secure any remaining wires with tie wraps (not included).
4. Reconnect negative battery terminal to negative side of battery taking necessary precautions not to touch positive side of battery or any positive cable.

Questions? Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

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## Wiring The MWZ12 to the Required Remote



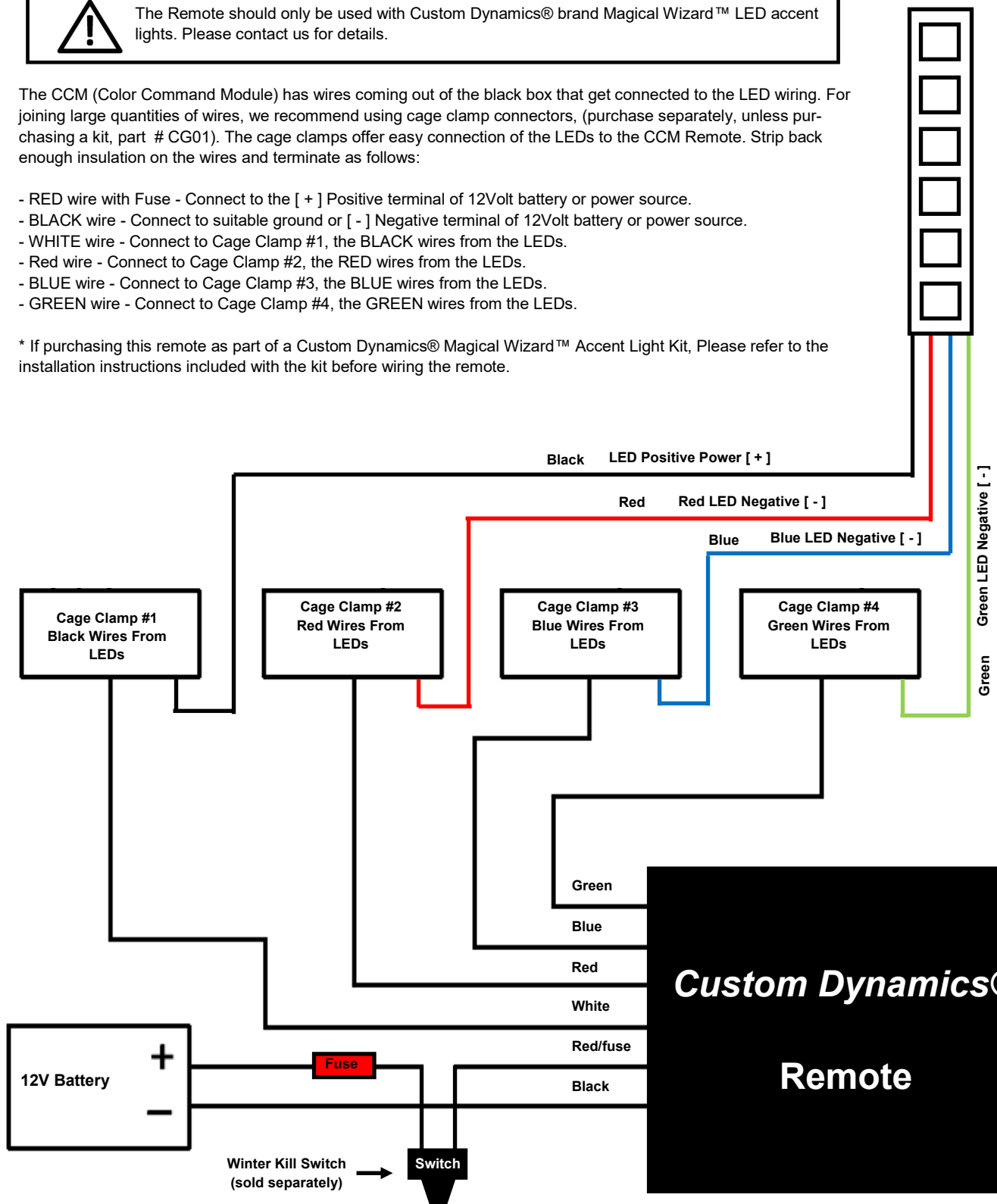
The Remote should only be used with Custom Dynamics® brand Magical Wizard™ LED accent lights. Please contact us for details.

The CCM (Color Command Module) has wires coming out of the black box that get connected to the LED wiring. For joining large quantities of wires, we recommend using cage clamp connectors, (purchase separately, unless purchasing a kit, part # CG01). The cage clamps offer easy connection of the LEDs to the CCM Remote. Strip back enough insulation on the wires and terminate as follows:

- RED wire with Fuse - Connect to the [ + ] Positive terminal of 12Volt battery or power source.
- BLACK wire - Connect to suitable ground or [ - ] Negative terminal of 12Volt battery or power source.
- WHITE wire - Connect to Cage Clamp #1, the BLACK wires from the LEDs.
- Red wire - Connect to Cage Clamp #2, the RED wires from the LEDs.
- BLUE wire - Connect to Cage Clamp #3, the BLUE wires from the LEDs.
- GREEN wire - Connect to Cage Clamp #4, the GREEN wires from the LEDs.

\* If purchasing this remote as part of a Custom Dynamics® Magical Wizard™ Accent Light Kit, Please refer to the installation instructions included with the kit before wiring the remote.

Magical Wizard™  
Wheel Light



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