Custom Dynamics® CCM-5 Remote Installation Instructions

We thank you for purchasing the Custom Dynamics® CCM-5 Color Command Module! 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.

Package Contents:

- CCM Remote Module with inline fuse (1)
- Remote Control Key Fob (2)

Optional (Sold Separately):
CG01 Cage Clamps (4) for wire termination
Winter Kill Switch (1) to kill power to remote during storage

Fits: Custom Dynamics® color changing **Magical Wizards™** LEDs only.

Compatible with 12VDC systems with a negative ground.

Receiver and Wire Harness Pigtail:

Power: 12V/7.5A Fused

Transmitter/Key Fob:
Distance: Up to 50 Meters (clear line of sight)
Antenna: Internal
Power: 12V/10MA
Batteries: (2 per fob) CR2016 Coin Cell

Features:
- Built-in Short Circuit Protection
- Memory Save
- Strobe Saved Color
- 2 hour Timer Function
- 3 Year Warranty

TruMagic™ Technology Functions:

Button [1] - 7 Preset Colors
- <u>Press to turn lights on</u>.
- Press repeatedly cycles through 7 different pre-programmed colors.
- Press during desired programming for Timer Mode (see below)

Button [2] - Color Morphing Modes
- <u>Press to turn lights on.</u>
- Pressing repeatedly cycles through 3 "Color Morphing" mode speeds (changes color automatically)
- Press button [4] to stop on custom color.
- Press button [2] again to resume color morphing mode.

Button [3] - Strobe/Breathing Functions
(After button [1] or [2] is pressed first to turn lights on presets)
Press button 3 repeatedly to cycle through:

Button [1] Preset colors + Button [3]:
- 3 Strobe effects patterns
- 3 Breathing effect speeds

Button [2] Morph colors + Button [3]:
- 3 Strobe patterns
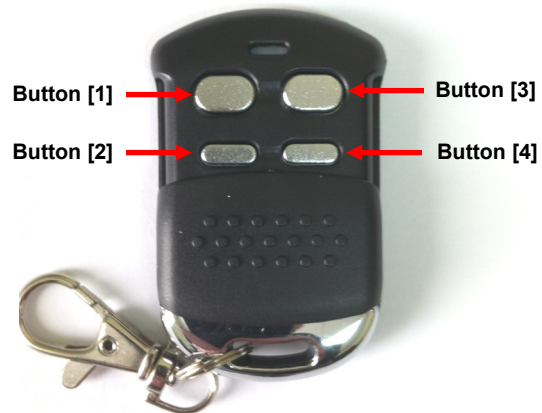- 3 Alternating color speeds (alternates between 2 nearest colors)

Button [4] - Off /Memory
During "Color Morphing" effect:
- Press once to pause on any desired color of your choice
- Press again to store your color and turn off the lights
- Press again to turn lights back on and resume custom color
- Strobe custom color - press button 3 after resuming saved color
During Manual color change, "Strobe" or "Breathing" effects:
- Press once to save function and turn lights off
- Press again to turn on and resume color or effects.

Button [1]   Button [3]
Button [2]   Button [4]

⚠️ **Note: Never use a fuse greater than 7.5 amps in the in-line fuse holder, using a larger fuse will void warranty.**

Enter 2 Hour Timer Mode:
- Select your desired program settings
- Then Press button [1] down and hold:

The lights will blink white quickly then return to their previous function for 2 hours. At the end of the time limit, the lights will shut off automatically. Do not change program or touch any buttons as this will cancel the timer. Time cannot be adjusted. To turn timer function off, hit any button on the key fob and or turn the lights off.

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

10-2017

Wiring The Remote

⚠ The CCM-5 Remote should only be used with Custom Dynamics® brand Magical Wizard™ LED accent lights. Please contact us for details.

Magical Wizard™ 4 Wire LED Pod

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.
- YELLOW wire- (Optional) Connect to the vehicle brake wire to enable brake mode. Lights will change to Red when brake is engaged, then return to normal program function when released.

Black   LED Positive Power [+]

Red   Red LED Negative [-]

Blue   Blue LED Negative [-]

Green LED Negative [-

Green

Cage Clamp #1 Black Wires From LEDs

Cage Clamp #2 Red Wires From LEDs

Cage Clamp #3 Blue Wires From LEDs

Cage Clamp #4 Green Wires From LEDs

Green

Blue

Red

White

Red/fuse

Black

Yellow

Custom Dynamics®

CCM-5

12V Battery + −

Fuse

Winter Kill Switch (sold separately) → **Switch**

Vehicle Brake Wire (Optional)

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