



Custom Dynamics® CCM-6 Bluetooth Remote Installation Instructions

We thank you for purchasing the Custom Dynamics® CCM-6 Bluetooth Remote 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.

Part Number: CCM-6BT

Package Contents:

- Bluetooth Remote Module (1)
- Remote Key Fob (2)



Installation:

The CCM (Color Command Module) has 7 wires that connect to the battery and to the LED wiring. The Diagram on page 2 shows how to correctly wire the remote with Custom Dynamics® Magical Wizard™ LEDs.

For joining large quantities of wires, we recommend using cage clamp connectors, (included with all Magical Wizard™ lighting kits). The cage clamps offer easy connection of the LEDs to the CCM Remote. Strip back enough insulation on the wires and terminate as follows:

1. RED wire with Fuse - Connect to the [+] Positive terminal of 12Volt battery or power source.
2. BLACK wire - Connect to suitable ground or [-] Negative terminal of 12Volt battery or power source.
3. WHITE wire - Connect to Cage Clamp #1, the BLACK wires from the LEDs.
4. RED wire - Connect to Cage Clamp #2, the RED wires from the LEDs.
5. BLUE wire - Connect to Cage Clamp #3, the BLUE wires from the LEDs.
6. GREEN wire - Connect to Cage Clamp #4, the GREEN wires from the LEDs.
7. 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. (See more next page)



Please read all Information below before Installation

Caution: Before beginning installation, disconnect the negative battery cable from the battery to prevent damage to the LEDs or remote during installation. Damage to either as a result of direct shorting is not covered under warranty.

Important: Module should only be used with Custom Dynamics® brand Magical Wizard™ LED accent lights. This device and the LEDs used with it are not compatible with other manufacture's products.

Important: This unit is rated for a 7.5 amp load. Never use a fuse greater than 7.5 amps in the in-line fuse holder, using a larger fuse or bypassing the fuse will void warranty.

Note: Module App is Compatible with iPhone 4S and newer equipped with Bluetooth 4.0 and with Android Phones Versions 4.3 and newer with Bluetooth 4.0. Apps available for download from the following sources:

- Google Play: <https://play.google.com/store/apps>
- iTunes: <https://itunes.apple.com/>

Keyword Search: CCM-6BT or Custom Dynamics

Important: Module should be secured after installation in an area away from heat, water, and any moving parts. We recommend the use of tie wraps (sold separately) to secure wires from becoming cut, frayed, or pinched. Custom Dynamics® is not liable for damage as a result of improperly securing or failing to secure the remote.

Note: The functions available from the provided key fob vary from the functions available in the Bluetooth controller. Please read instructions completely before operating.

Note: Secondary screen functions are only accessible in F1 program on the main screen.

Important: This remote has an optional brake override safety feature on the yellow wire. If not used, wire should be capped to prevent shorting.

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

Installation Instructions - Page 2

Brake Mode Important Notes: The Brake mode will interrupt the light programming and change to red when the brake is applied. Brake function will function on lighting system even if lights are off, a Kill switch is recommended. Do NOT wire in after a Magic Strobe brake flasher, to prevent accent lights from flashing during braking. If you decide not to use this feature, disconnect the wire and cap off to prevent shorting.

Installation Continued

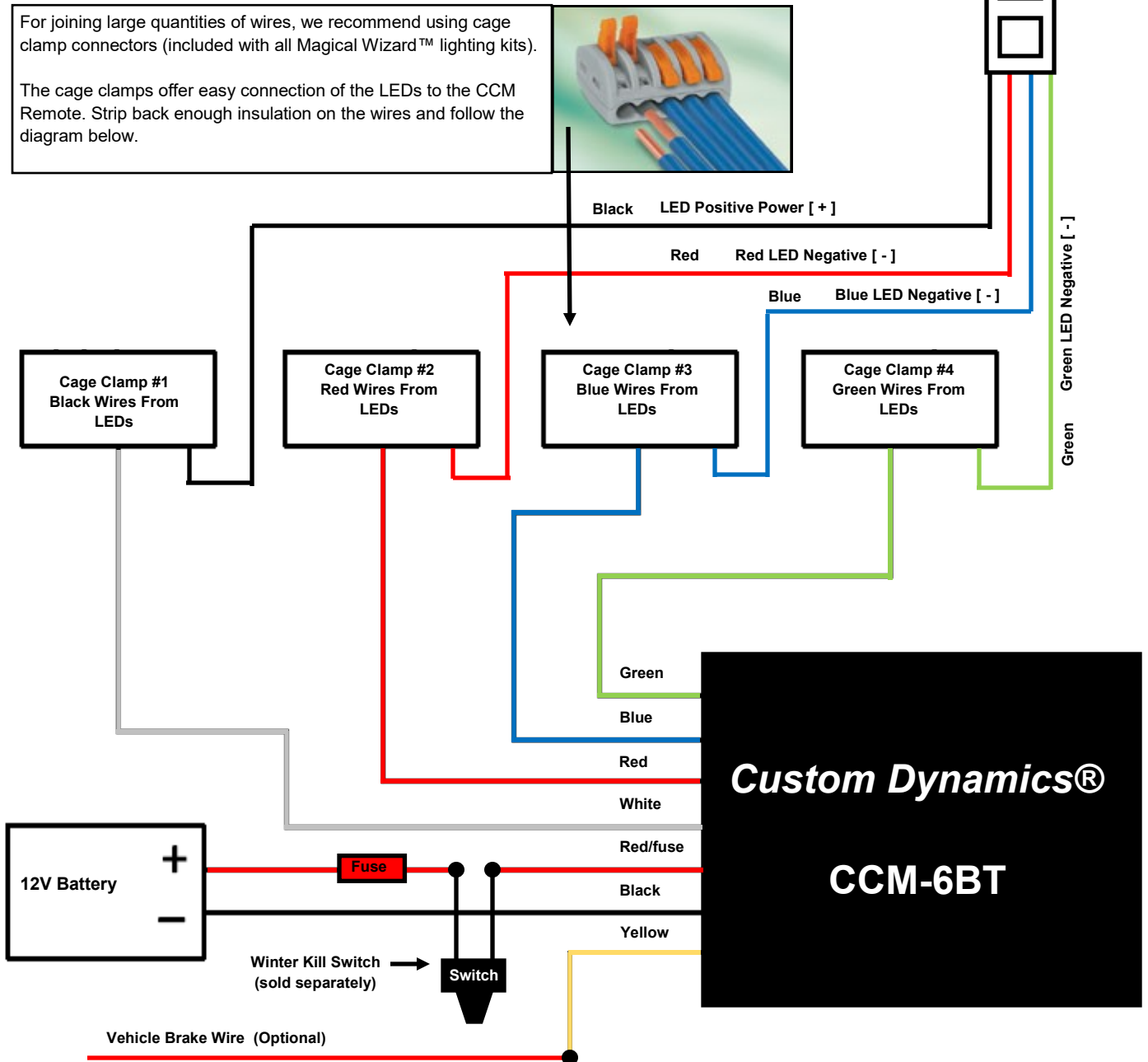
8. Once wiring is completed, clean up installation and secure the module.
9. Re-connect the negative battery terminal, then use the Key Fob to test the LEDs. See page 3 for Key Fob features.

For joining large quantities of wires, we recommend using cage clamp connectors (included with all Magical Wizard™ lighting kits).

The cage clamps offer easy connection of the LEDs to the CCM Remote. Strip back enough insulation on the wires and follow the diagram below.



Magical Wizard™
4 Wire LED Pod



Instructions - Page 3

CCM-6BT Key Fob Features:

Button [1] - 7 Preset Colors/Timer Mode

- Press to turn lights on.
- Press repeatedly to cycle through 7 different pre-programmed colors.

Enter 2 Hour Timer Mode:

- Select your desired program settings
- Then Press button [1] down and hold:

The lights will blink white and will 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.

Note: The use of the App controller gives you more time duration setting options, see page 6 for details.

Button [2] - Color Morphing Modes

- Press to turn lights on.
- 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/Breathe Functions

(After button [1] or [2] is pressed first to turn lights on preset colors)
Press repeatedly to cycle through:

- 3 Strobe effects patterns
- 3 Breathe effect speeds

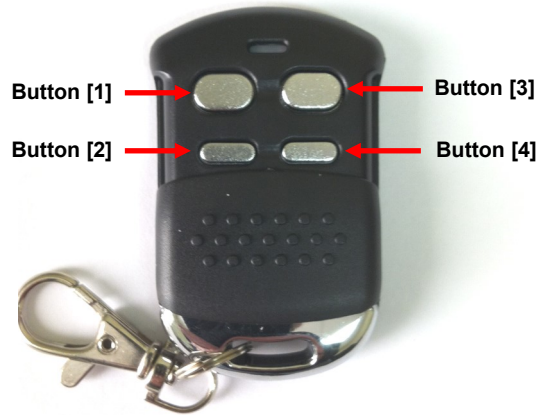
Button [4] - Off /Memory

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

During Manual color change, "Strobe" or "Breathe" effects:

- Press once to save function and turn lights off
- Press again to turn on and resume color or effects.



Receiver

Power: 12V/7.5A Fused

Transmitter/Key Fob:

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

Bluetooth Module:

Distance: Up to 50 Meters (clear Line of sight)
Antenna: Internal
Power: 12V

CCM6-BT Features:

- Built-in Short Circuit Protection
- Memory Save
- Timer Function
- Brake Override
- Voltage Meter/Battery Status
- Color Mixer
- Custom Sequence
- Custom Color Wheel



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



Everything to Light Up Your Ride®

Custom Dynamics® is proud to offer a 3 year warranty on your new remote. Contact us for details.

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

Instructions page 4

Bluetooth Color Command Module 6 V1.0 Connection Instructions

Get more control from your Magical Wizard™ LED lights with the Color Command Module Bluetooth controller. The new app has enhanced features, improved connectivity and faster response. This easy to use interface gives you more color control options and function combinations than any other remote on the market. See below for touch screen features.

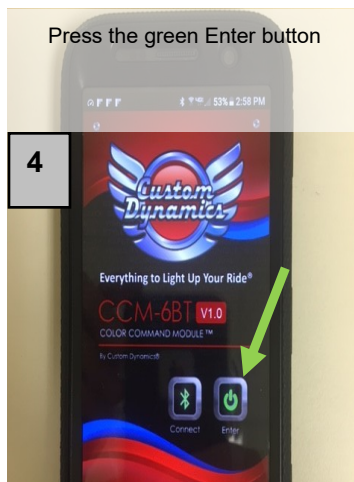
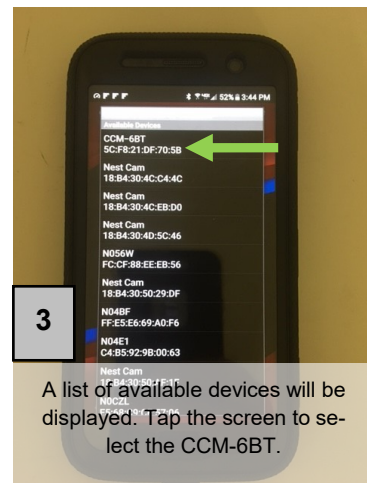
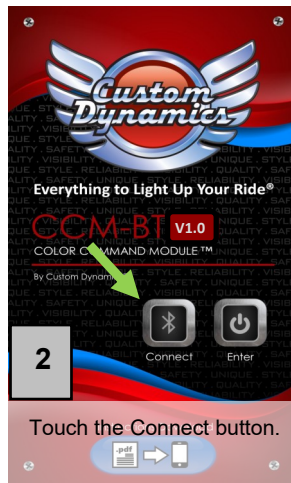
Compatible with iPhone 4S and newer equipped with Bluetooth 4.0 and with Android Phones Versions 4.3 and newer with Bluetooth 4.0.



Keyword Search: CCM-6BT or Custom Dynamics®

App instructions available at: www.customdynamics.com

1. Make sure there is power going to the Remote Module.
2. Download the phone App for the appropriate operating system. Follow the prompts on device. Consult the Phone manufacturer if unsure of this process. Keyword Search: **CCM-6BT** or Custom Dynamics.
Note: Remote should be synced through the app only, do not attempt to manually pair devices through the device settings.
3. Open the App by touching the logo application icon, then sync the app to the receiver by tapping the "Scan" button. A list of Bluetooth devices should pop up. Find the "CCM-6BT" device in the list and tap to select. The application will confirm the connection. If the message reads connection failed or Disconnected, try the sync again. If remote does not show up in the list of devices or has trouble connecting, try rebooting the phone, then check to make sure Bluetooth function is enabled. Also, verify that power is getting to the remote module.
4. Turn on the Lights with the interface by tapping the "On" button. When activated, the button will change color from black to red. The "F1" button will also change to red to indicate function 1 - Single Color control is activated.



Instructions Page 5

Bluetooth Color Command Module 6 V1.0 Operations Screen

Title Bar. Press the bar to access Technical support Screen. See next page.

Message screen indicates what mode/function you are using.

LED Power. On/Off slider



Color Mixer. Colors can be selected with function buttons F1, F2, and F3.



Color Wheel selection mode lets user choose color, then load the selection into the main screen program. Can be used with function buttons F1, F2 and F3.

Function Buttons: 7 Different Function programs to choose from. Active function is illuminated.

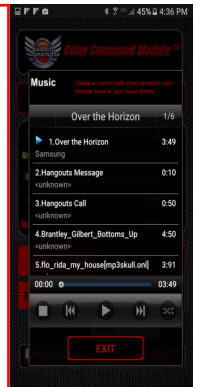
Battery status: Indicates voltage level of the bike's battery.

Timer Function: Allows users to set lights while parked and walk away. Timer durations are 30/60/120 minute intervals.

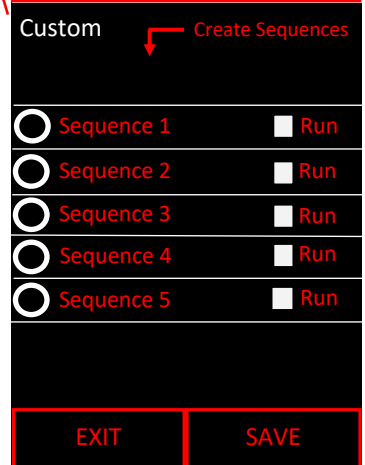
Bluetooth On/Off button and connection indicator. It will illuminate green when connected to Bluetooth

Program (PGM) Save button. Allows user to save all settings last used on Control Screen when app is turned off or disconnected.

Music Play Interface allows users to play custom color sequences synchronized to their favorite songs from their phone's music library. Can be used with function buttons F1, F4 and F7.



Sequence allows selection of custom colors set to 4 different Modes. Breathe, Strobe, Solid and Color Morph. See page 6.

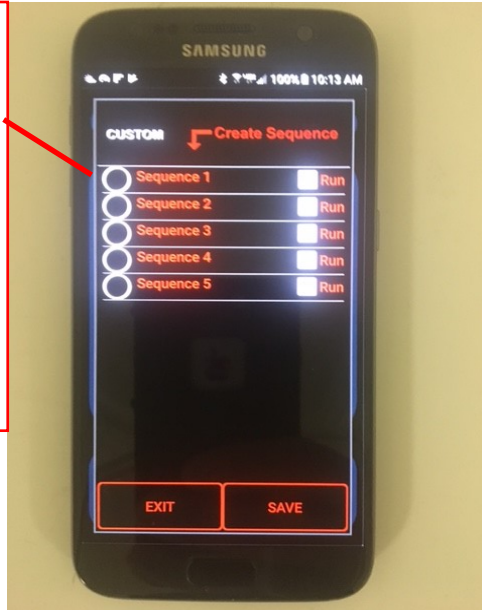


Instructions Page 6

Bluetooth Color Command Module 6 V1.0 Create Sequence Screen

Create Sequence Screen

Touch the circle next to the sequence number to enter the EDIT SEQUENCE screen



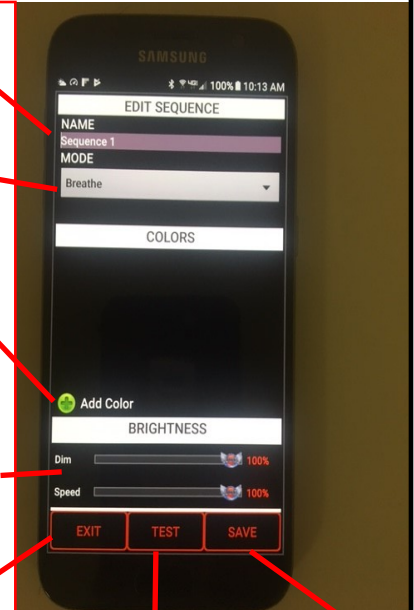
EDIT SEQUENCE

Create sequence name

Touch the MODE indicator space to enter the Mode select screen.

Touch Add Color to enter the Color Wheel and select colors.

Use sliders to adjust brightness and Speed of the sequence.



Touch the EXIT space to return to the Create Sequence Screen.

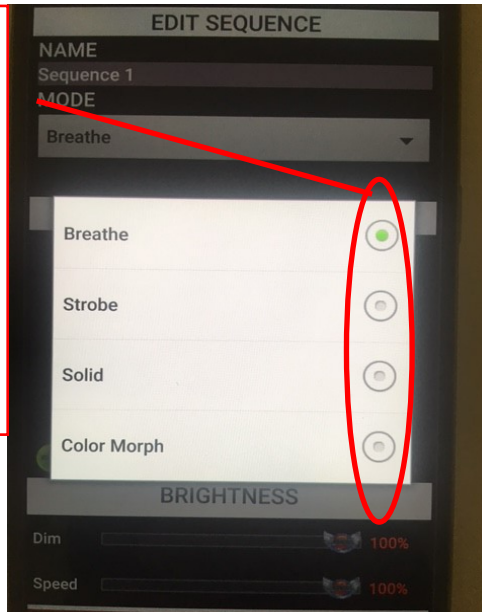
Touch the TEST space to test your created sequence.

Touch the SAVE space to save your created sequence.

MODE Select Screen

Select the desired mode by touching the indicator. Choose from:

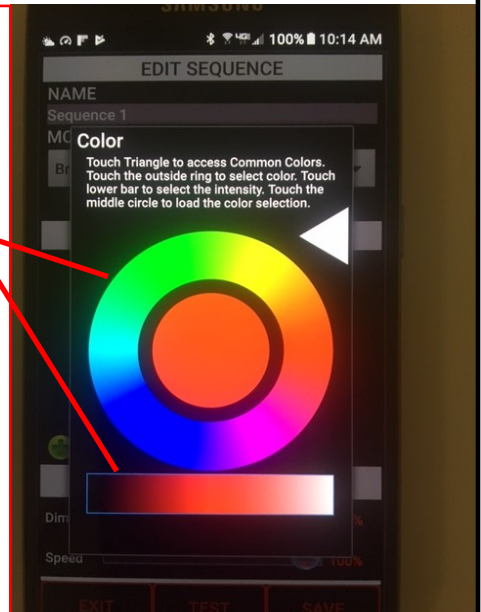
- Breathe
- Strobe
- Solid
- Color Morph



Color Wheel

Touch the outer color wheel or the color rectangle to choose a color. The color will fill the center of the wheel.

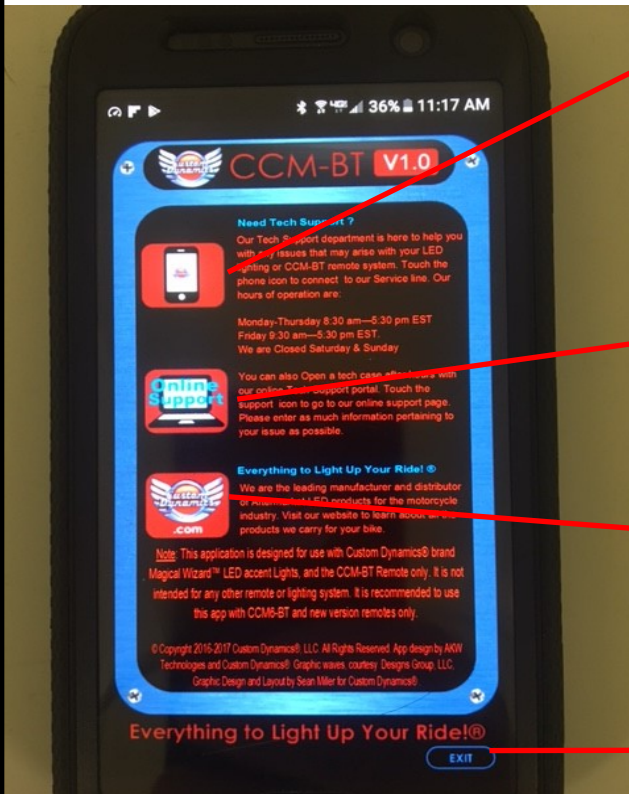
Touch the center wheel to save the selected color to the sequence. Select up to 10 colors for each sequence.



Instructions Page 7

Bluetooth Color Command Module 6 V1.0 Technical Support Screen

The Technical Support screen gives you the ability to quickly access our Technical Support team by telephone, online support and our website with the touch of your finger.



Our Technical Support department is here to help you with any issues that may arise with your LED lighting or CCM-6BT remote system. Touch the phone icon to connect to our Service line. Our hours of operation:
Monday-Thursday 8:30am– 5:30pm EST
Friday 9:30am-5:30pm EST
We are closed Saturday and Sunday.



You can also open a technical support case after hours with our Online Technical Support portal. Touch the support icon to enter the online support page. Please enter as much information pertaining to your issue as possible.



Everything to Light Up Your Ride!®
We are the leading manufacturer and distributor of Aftermarket LED products for the motorcycle industry. Visit our website to learn about all the products we carry for your bike by touching the Custom Dynamics® icon.

Exit button takes you back to the Operation Screen

