

FCC ID: TJJCWL623HCO
IC: 6047A-CWL623HCO
Model Name: CWL623HCO

Overview

This is a professional wire management system that is linked to your smartphone. The Blazer Link™ is designed for operating accessories (including lights, horns, warning beacons, etc.) typically used on work or off-road vehicles (trucks, jeeps, ATV/UTV, boats, heavy equipment, farm equipment, etc.). The unit works on 12V DC and provides output to four terminals which are protected by a 40A fuse.

Please note that before you can operate this system, you need to download and install the Blazer Link™ App on your smartphone from the App store.

Main Unit

1. Please read these instructions carefully before installing this product. It is recommended to consult a professional installer to prevent damage to vehicle and/or system.
2. Do not connect to 24V DC or higher voltage system, as this product is designed for a 12V DC battery system. In case you have a larger than 12V DC system, check vehicle owner's manual to determine if a 12V DC output is available and how to connect in order to use it safely, otherwise, the product will be damaged.
3. Find a suitable flat surface near the battery, clean the surface free of dirt and oil and then affix the unit using provided adhesive strips and/or mounting holes.
4. Remove the 40A fuse from the holder and disconnect the vehicle battery.
5. Securely attach the positive (red) cable of the Blazer Link™ unit to the positive terminal of the battery or battery cable and the negative (black) cable of the Blazer Link™ to the negative battery cable or chassis.
6. Terminal 2A has additional light control functions like adjusting brightness and strobe rate, and should not be used for connecting warning/strobe lights or horns.
7. Attach the auxiliary lights/equipment following correct polarity on the terminals and not exceeding the maximum amperage of the channels (amperage printed on Blazer Link™ and corresponds to amperage on your smartphone App for each terminal). See **FIG 1** (on page 3)
8. Reconnect battery cables.
9. Insert the 40A fuse back into the holder and snap the cover close.

App Instructions

1. Download and install the Blazer Link™ App for your smartphone operating system available on App Stores.
2. For initial setup, tap the "radio" icon  to go to the "connect" screen. Simply select the module and enter the appropriate numerical password (default is 123456).
3. Once connected, hit the back button on top right hand screen, to return to the main screen.
4. Now, select your vehicle type by tapping on the arrow to the right of the initial schematic.
5. Next, select light location setup to assign lights to different locations on your vehicle. Tap on the terminal and then tap on the desired location. Repeat this for the remaining terminals and then hit enter to return to the main screen.
6. You are now set up to operate your lights.
7. Activate the system by tapping the power icon . It will turn green to indicate that it is powered on .
8. Now, select a light. The light icon will turn blue to indicate it is the active selection.

9. You can turn on and off the light via the "individual Terminal ON/OFF" switch.

Note: Terminals marked  are used in conjunction with a warning light with different strobe patterns built into it.

Most warning lights with strobe function come with three wires, black, red and yellow. Black is to be connected to negative terminal, red to positive terminal and yellow is for advancing the strobe patterns. Consult with the manufacturer of the light to determine if yellow is on the negative side of the circuit or on the positive side and connect it to the appropriate polarity of  terminal.

Terminal 2A has been specifically designated for additional light controls. With applicable lights, you may use the respective sliders to adjust both brightness and strobe rate.

10. Once the lights have been set up as desired, the whole system can be turned on and off by the master power button . When this master power icon is grayed out, all the lights will be off.
11. Additional features can be found in the settings screen , indicated by the gear icon.
 - b. Low voltage alert - If the Blazer Link™ detects that your battery level is lower than the set voltage, it will notify you via the alert.
 - c. Timer - allows you to set time period when you want your lights to automatically turn off to prevent unnecessary battery draining.
 - d. You can also rename your device and set a new password.
12. Back on the main screen, select the battery icon to view readout of your battery level and voltage standing. Additionally, this is the icon that will turn red and notify you when your battery level has reached the low voltage level you defined earlier in the settings tab. It is also possible to pick one of the five audible sounds or vibrator, which will alert you.
13. Once set up, try to manipulate each light to ensure that the system is working properly.

Specifications

Standard design	12V, max 40A
Rated input voltage	DC 13V
Working voltage	DC 11-15V
Working temperature	0°F - 225°F / -17°C - 107°C
Fuse	40A
Low-voltage protection circuit	9.8V +/- 0.3V DC. with 8 sec delay
Thermal shut off temperature	248°F / 120°C

Specifications (continued)

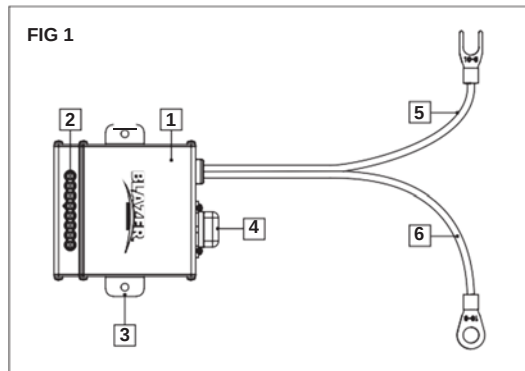
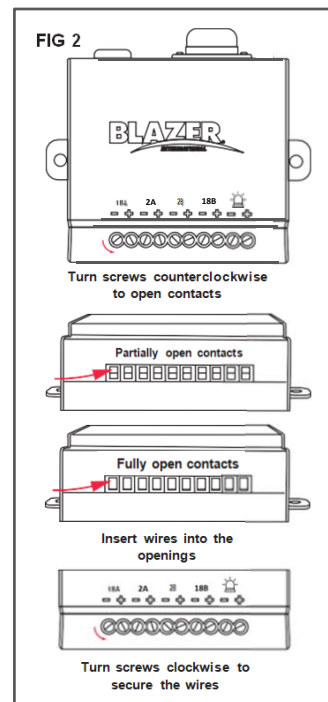


FIG 1	
1	Main Unit
2	Terminals
3	Eyelet for Mounting Installation
4	Fuse Holder
5	Negative Cable
6	Positive Cable

Troubleshooting

Symptom	Possible Cause and Solution
Auxiliary lights/equipment not operational.	1. Wires not connected properly in the terminals. If the contacts don't open, gently push downwards on the screws. 2. App on smartphone not connected (paired) to the main unit. Reconnect. 3. Vehicle battery voltage below 9.8V +/- 0.3V DC. Charge battery. 4. Main unit not connected/incorrectly connected to the battery source. Check connection of Blazer Link™. 5. Blown fuse/Replace fuse. 6. Pairing between the smartphone and main unit disrupted. Pair the system.
Some accessories/lights will not come on.	Check wire polarity for those items.
Light/accessory comes on momentarily.	That channel is being overloaded. Make sure the amperage of the light is less than that stated at the terminal (check fuse).
Lights turned off but the battery is drained	Weak battery. Test battery at an Auto store.



FCC Statement

THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS B DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE IN A RESIDENTIAL INSTALLATION. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY, AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTIONS, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. HOWEVER, THERE IS NO GUARANTEE THAT INTERFERENCE WILL NOT OCCUR IN A PARTICULAR INSTALLATION. IF THIS EQUIPMENT DOES CAUSE HARMFUL INTERFERENCE TO RADIO OR TELEVISION RECEPTION, WHICH CAN BE DETERMINED BY TURNING THE EQUIPMENT OFF AND ON, THE USER IS ENCOURAGED TO TRY TO CORRECT THE INTERFERENCE BY ONE OR MORE OF THE FOLLOWING MEASURES:

- REORIENT OR RELOCATE THE RECEIVING ANTENNA.
 - INCREASE THE SEPARATION BETWEEN THE EQUIPMENT AND RECEIVER.
 - CONNECT THE EQUIPMENT INTO AN OUTLET ON A CIRCUIT DIFFERENT FROM THAT TO WHICH THE RECEIVER IS CONNECTED.
 - CONSULT THE DEALER OR AN EXPERIENCED RADIO/TV TECHNICIAN FOR HELP.
- THIS DEVICE COMPLIES WITH INDUSTRY CANADA LICENSE-EXEMPT RSS STANDARD(S).
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION OF THE DEVICE.



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www.blazer-international.com/lightinstallguide



Blazer Link App



Hopkins Manufacturing Corporation
428 Peyton St., Emporia, KS 66801
www.HopkinsMfg.com | 1-620-342-7320

www.FloTool.com

Made in China
Hecho en China
Fabriqué en Chine

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF warning:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC Warning

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

- (1) Cet appareil ne doit pas causer d'interférences.
- (2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement doit être mis en place avec des émissions de rayonnement émetteur pour un environnement naturel. Ce matériel doit être installé et se faire avec une distance minimale de 20cm entre les radiateurs et les autresYour body shop.