System Input Voltage	Sensor Wire Input Voltage	Max Power Output Per Channel	Warranty
9-16V DC	9-16V for red, green, and blue wires (programmable sensor wires). 3-16V for white wire (ignition sensor wire)	15A/channel	3 year

Warranty and Disclaimer

Within THREE years after the purchase date, the original buyer may return any XKcommand product that has failed due to a defect in materials or workmanship.

Installation of this product must be performed by a licensed professional. Should the failure of the product be the result of damage occurring as a result of improper installation, alteration of the product or an act or omission on the part of the consumer, this warranty is void. XKGLOW Lighting shall not be responsible for any consequential damages which arise from the use and/or installation of the product. If the kit is installed in any manner other than specified, XKGLOW Lighting reserves the right to deny any warranty claims at the discretion of the technical support department. Any product return must include the original packaging, invoice number and a statement of the alleged defect. Upon receipt of the returned product, the company will test the product for defect. If the results of the testing do not support the warranty claim, do not reveal any defect or indicate consumer negligence in the installation and handling of the product, then the product will be returned to you and you will be charged a reshipping fee. If the product is returned from an address within the continental United States, within the first 30 days after purchase, and is found to be defective, XKGLOW Lighting will exchange or refund the original purchase expense. This offer does not extend to the cost for shipping charges on any international packages.

Additional Disclaimer Terms

Please check your local and state laws for the proper use of this product.

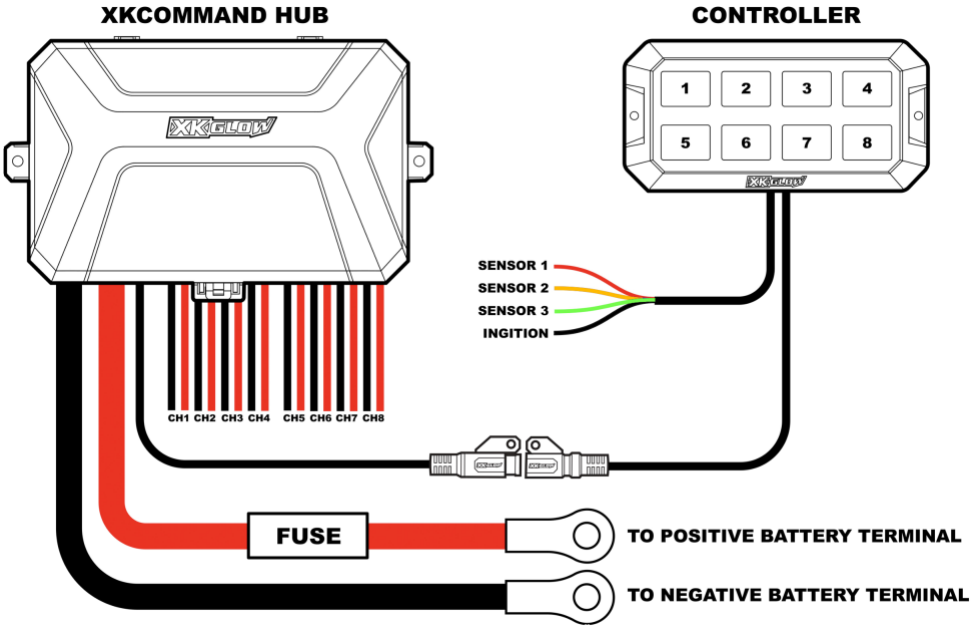
- Improper installation of electrical products such as lighting may cause damage to any vehicle or device to which the improperly handled or installed lighting is attached.
- Improperly installed product may cause electrical injury to persons.
- It is recommended that the kit should be installed by a licensed professional.
- XKGLOW assumes no liability for the installation of the product.
- Warranty or liability will not exceed the product purchase price, which shall be buyer's sole and exclusive remedy.

Return/Exchange Procedure

1. Email [xk@xkglow.com] to notify us of the product issue as well as the item number and name of customer on invoice.
2. We will send you the trouble-shooting guide to fix the issue, or to narrow down which of the component(s) need to be replaced. If the issue still exists, we will ask you to send back the defective items to be replaced.
3. Please send the returned item as instructed, along with claims and a telephone number where you can be reached.
4. After the returned item(s) have been accepted and inspected, we will issue a refund or replace the items ASAP. For refunds, item(s) must be sent to XKGLOW within 30 days from date of purchase. Original shipping charges are not refundable.

   We always stand behind our products and are committed to our customers! For questions you may have, please contact xk@xkglow.com. We normally respond within 24 hours. (Monday-Friday).

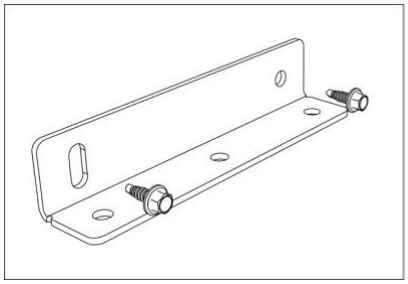
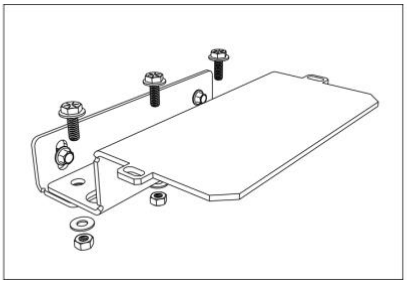
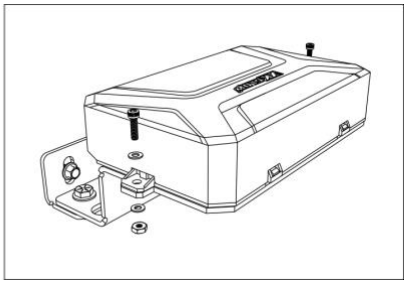
Wiring Diagram



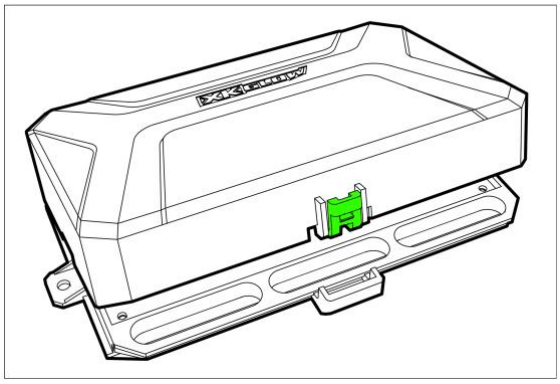
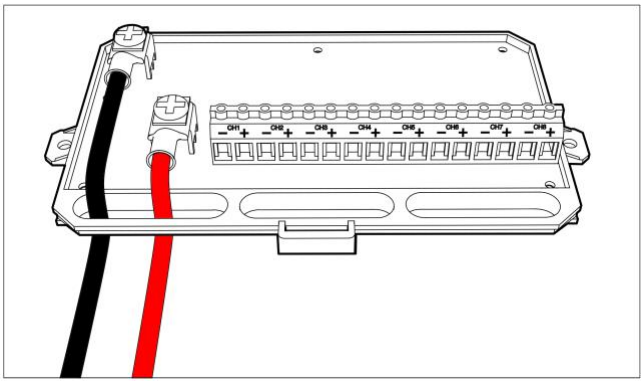
Mounting Instructions

1. **Mount XKcommand Hub:** Find a mounting location for the XKcommand hub. Hub should be mounted on or near the battery in an easily accessible location.

   If using the optional XKcommand hub mounting bracket, first, mount the L-bracket to the fire wall or any other flat surface using the provided self-tapping screws. Next, attach the larger bracket piece to the L-bracket with the included nuts and bolts. Last, mount the hub to the bracket using the provided allen bolts and nuts. The bracket has 3 slots built into it for wiring to route through.

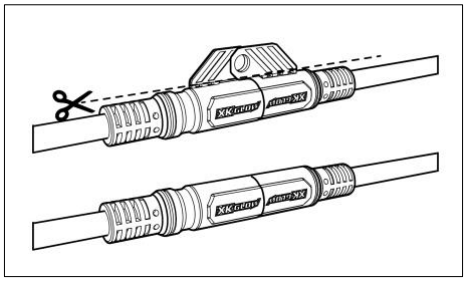




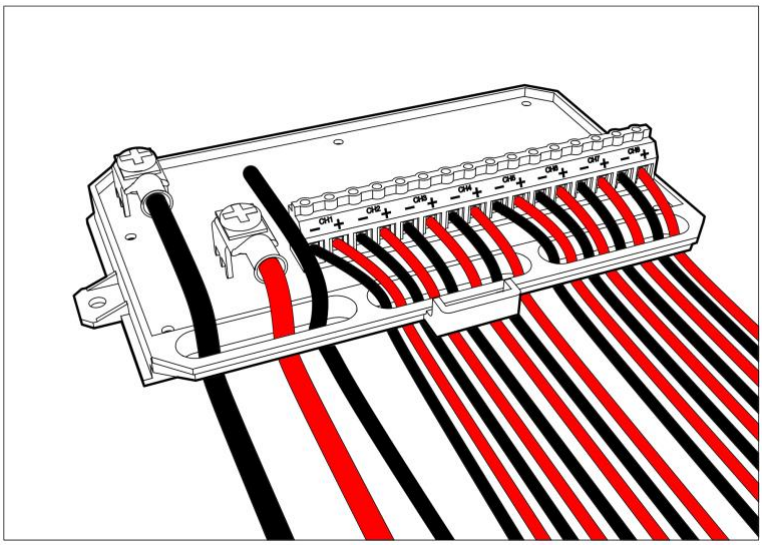
After the hub is secured, remove the hub cover by pressing the tab shown below in **GREEN** and rotating it towards the rear.

Connect the included power and ground wires. **First,** connect the wires to the XKcommand hub. **<u>PLEASE NOTICE THE WIRING DIAGRAM ABOVE.</u>** The **<u>RED</u>** power wire connects to the terminal **<u>CLOSEST</u>** to the output rail. If these wires are connected wrong, the XKcommand hub **WILL** short and this **WILL NOT** be covered under warranty. Route wiring through the slotted channel as shown above. Next, ground wire to the battery. Do not connect power wire to battery until all output channels are wired.

2. **Install XKcommand Controller:** Mount XKcommand controller in desired location. You can use the included angle bracket to set the controller at desirable angle. Route the longer wire with the plug end to the XKcommand hub and plug it in. The tabs on these plugs can be cut off for easier routing through the fire wall if necessary.





3. **Wire Output Channels:** Ensure that the main positive power wire is disconnected from the battery before wiring. Wire all desired accessories to the XKcommand hub. Refer to diagram above to see output channel configuration. Channel 1 starts on the left side all the way to channel 8 on the far-right side of the hub. Using a small Phillips head screwdriver, secure wiring for each channel in place. Wiring should pass through the bottom slots as shown in the diagram above.

   Do not exceed 15A per channel. If more than 15A is needed, you can link the channels together to increase output current by running both channel wires to the 12V accessory. Example- if 30A is needed for a light bar, you can use channel 1 and 2. Run both the positive and the negative wires **from each channel** to the light bar. Then in the app, make sure that both channels are checked on for each button that is used.

4. **Add Controller Stickers:** Now that the output channels are wired, take the included stickers and add them to the corresponding buttons on the XKcommand controller. If any of the sticker icons do not fit the use of the button, there are blank stickers included on the sheet to make your own.

5. **Optional- Connect Sensor Wires and Ignition Wire:** If desired, connect the sensor wires to a positive 12V source. As shown in the wiring diagram on page 2, sensor wire 1 is red, sensor wire 2 is yellow, and sensor wire 3 is green.

   Sensor wire example – Connect sensor wire 1 to your positive high beam wire. In the App, enable Channels 1, 2, and 3 to turn on with that sensor wire. When your high beams are activated, all forward facing lights will turn on automatically as well.

   To utilize the dim backlight feature, tap one of the three sensor wires into a positive running light wire on the vehicle. When the vehicles running lights come on, the XKcommand controller will automatically dim down.

   The black ignition wire can be tapped into any vehicle ignition source. When the vehicle is powered on, the XKcommand will automatically power on. When the ignition wire gets signal from On to Off, it shuts off all output channels, turns off the Bluetooth signal, and the control panel back light. If this wire isn't used, you can manually press any button to power the XKcommand system on. In this status, if no buttons are turned on and no Bluetooth is connected, the system will turn off its backlight and Bluetooth after 30min. This time can be configured in the app (Customize -> System -> Bluetooth Auto Off).

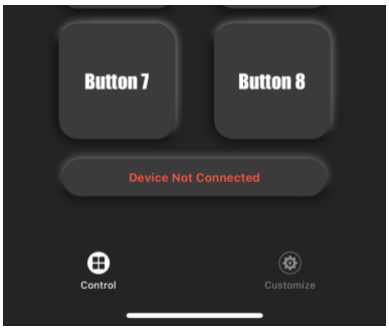
6. **Connect Red Power Wire:** After all of the output channels are wired, connect the red power wire to the positive battery terminal. Ensure all connections are tight and that wiring is free from any moving parts. At this point, the XKcommand controller should power on and is ready for configuration in the app.

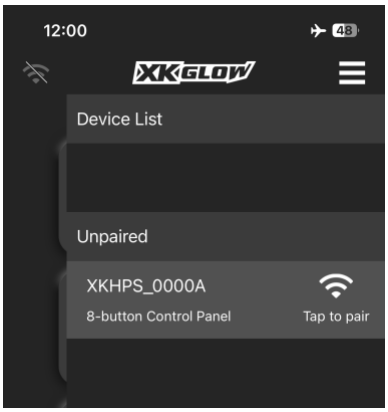
XKcommand App Instructions

Download the XKcommand App from the Apple App Store or the Google Play Store. There are multiple XKGLOW Apps available. XKcommand is only compatible with the XKcommand App seen to the left with the orange lettering.

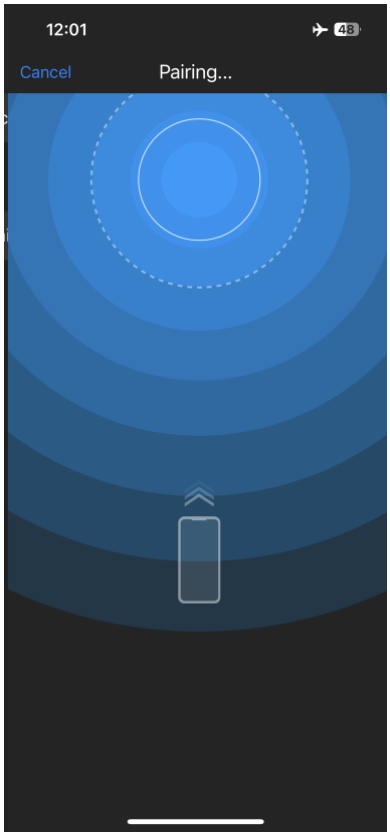
How to pair the XKcommand Controller

Ensure that XKcommand is powered on. If the Controller is receiving power, the buttons and center wireless icon will be illuminated. XKcommand must be powered on to customize the settings.

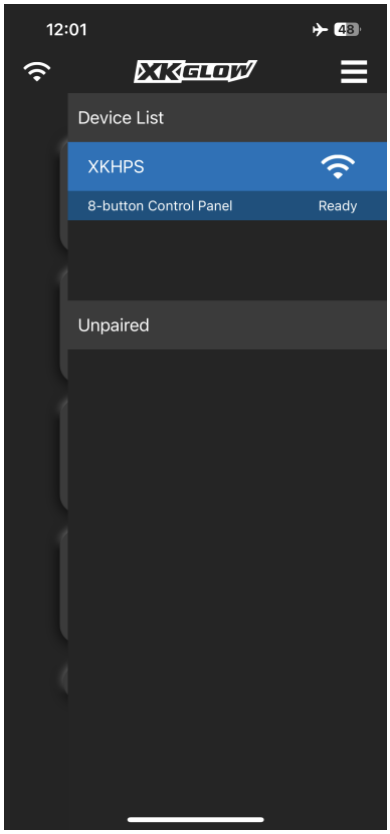




Open the App. It will show “Device Not Connected” on the main screen in red. Go to the Device List by tapping the three lines in the upper right-hand corner. Under the Unpaired list, the new XKcommand controller will be shown. Note- Bluetooth settings may have to be enabled for XKcommand in your phone settings.



Hold the phone against the XKcommand controller until the device successfully pairs.

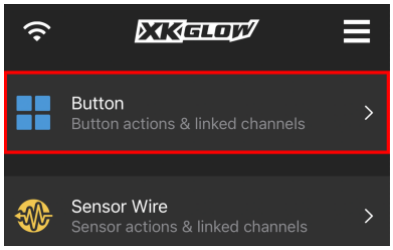


The XKcommand Controller will now be shown in blue, which will also be shown in the center of the XKcommand Controller. When unpaired, this icon will be illuminated in red.

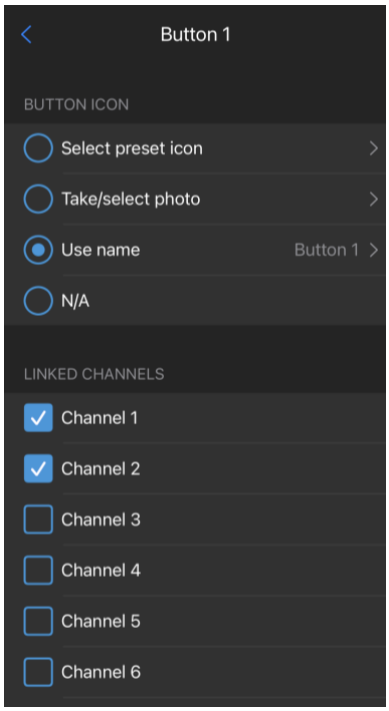
Button Customization

By default, each button controls one channel. Button 1 controls channel 1, etc. In the app, multiple channels can be tied to a single button. Example- button 1 controls all rear facing lights which are on separate channels.

All button settings are accessed via the XKcommand app. At the bottom of the screen, click Customize.



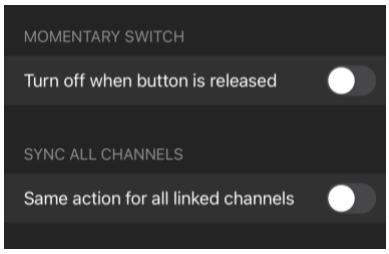
From the **Customize** menu, select **Button**. Choose which button to customize from the screen above.

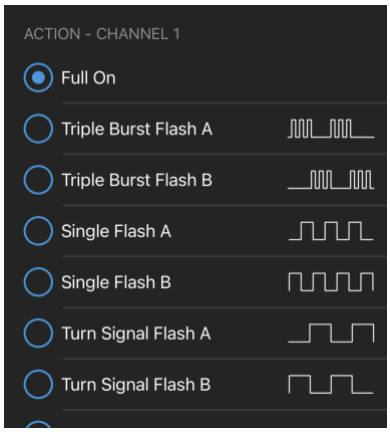


Button Icon- This is what will be displayed on the app home screen. Choose a preset icon, take or select a photo to display, or name the button.

Linked Channels- Select each channel to be controlled by the selected button. See Pg. 8 for more details.

If you are linking channels to increase current output, make sure that ***all channels*** *wired to that accessory are checked on for that button.*



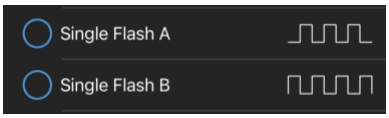


Momentary Switch- This will turn the button into a momentary switch. It will only activate while it is being pressed; ex.- horn.

Sync All Channels- Each channel can perform different actions on the same button. Select this option to sync all channels.

Action- Select the action for each channel. If Sync All Channels is off, scroll down to find other channels.

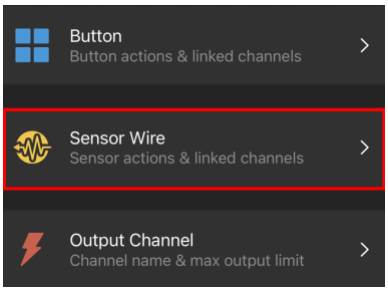
Strobe Actions- Available actions have an A and a B option. These are matched opposites. If CH1 is set to Flash A and CH2 is set to Flash B, the lights will strobe with a wig wag effect.

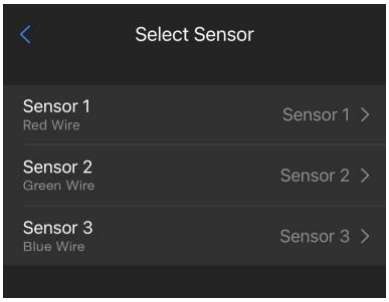


Sensor Wires

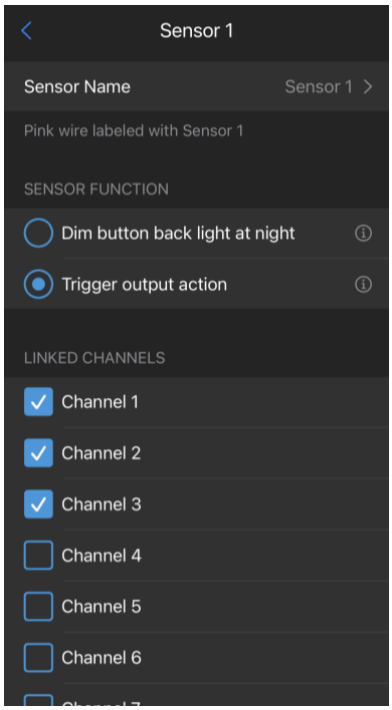
There are three loose wires coming off of the XKcommand Controller. These are the sensor wires. When any of these wires receive a 12V signal, XKcommand can perform a customized action. Example- Channels 1, 2, and 3 are connected to forward facing lights. Tap one of the sensor wires into the positive high beam wire. In the App, enable Channels 1, 2, and 3 to turn on with that sensor wire. When the high beams are activated, all forward facing lights will turn on automatically as well.

Note- A channel can link with multiple sensor wires. If sensors are triggered simultaneously, the order of sensor priority on the same channel is: Sensor 1 > Sensor 2 > Sensor 3.





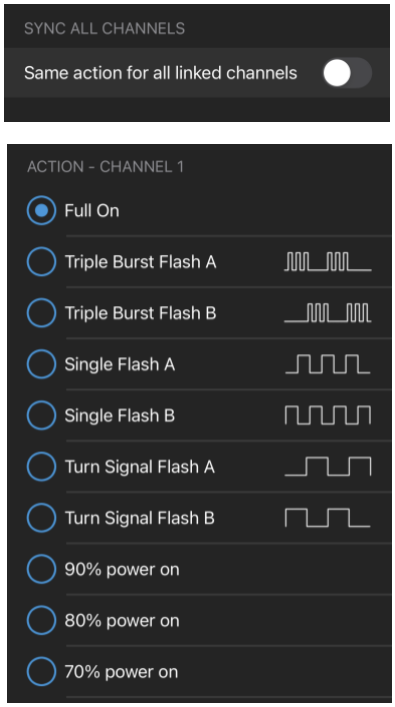
From the **Customize** menu, select **Sensor Wire**. Choose which sensor wire to customize from the screen above. Wire color can be seen below each sensor wire.



Sensor Name- Name the sensor wire.

Sensor Function- Choose to dim button back light or trigger output action. To dim buttons, tap into running light source that turns on when it is dark out.

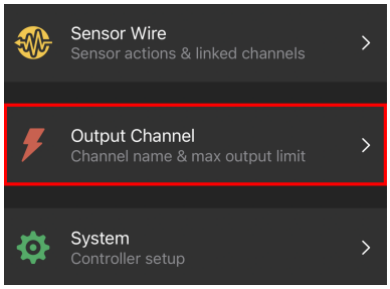
Linked Channels- Select channels to be linked to selected sensor wire.

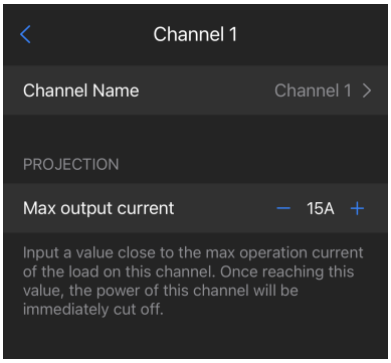


Sync All Channels- Each channel can perform different actions on the same sensor wire. Select this option to sync all channels.

Action- Select the action for each channel. If Sync All Channels is off, scroll down to find other channels.

Other Settings

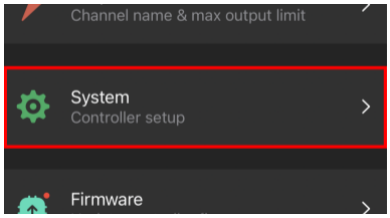


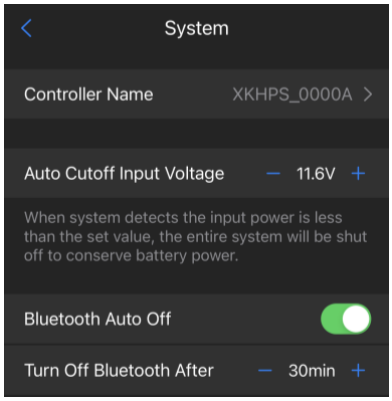


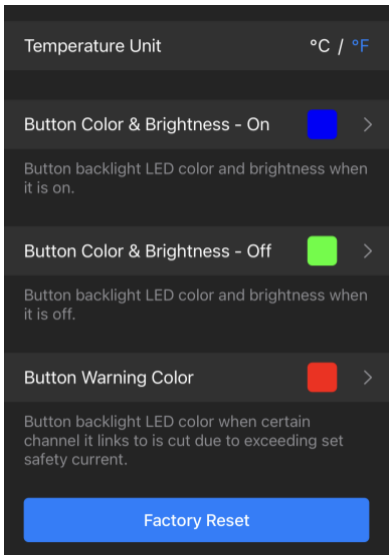
Under the **Output Channel** menu, set the current limit for each channel.

Select the channel, name the channel, and use the **+** and **–** to set the current limit.

Input a value close to the max operation current of the load on this channel. Once reaching this value, the power of this channel will be immediately cut off and error color will be shown on the button.







Access more controller settings under **System**.

Controller Name- Name the controller. Helpful when multiple XKcommand systems are used.

Auto Cutoff Input Voltage- Set minimum voltage at which vehicle will start. When voltage is met, XKcommand system will be shut down.

Bluetooth Auto Off- If all channels are off and controller is not connected to a device via Bluetooth, Bluetooth will be cut off to preserve power after set time.

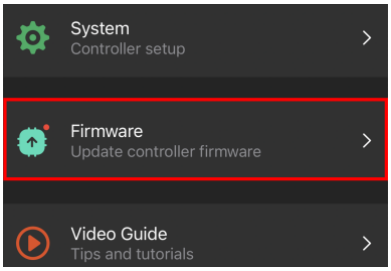
Temperature Unit- Select unit for internal hub readings.

Button Color and Brightness – ON- Set backlight options for ON

Button Color and Brightness – ON- Set backlight options for OFF

Button Warning Color- Set button warning color

Factory Reset- Reset XKcommand to factory defaults



Firmware- Firmware on XKcommand can be updated via Bluetooth. Red dot will appear when new firmware is available. When updating, ensure XKcommand is powered <u>ON until update is complete.</u>

Unique Uses & FAQ

SXS Street Legal Kit-
XKcommand can be used to control lights and horn for a street legal conversion kit on a SXS. Wire running lights and turn signals to buttons 1 and 2. In the app, program buttons 1 and 2 to flash as turn signal pattern. Add a button for hazards and horn. Under the horn button, make sure the momentary option is turned on.

Auto-High Beam-
Let's say channels 1 and 2 are powering forward-facing lights. Take sensor wire 1 and tap it into the positive high beam wire. Go into sensor wire 1 settings and turn on channels 1 and 2. Whenever the high beam is activated, sensor wire 1 will trigger, and the forward-facing lights will come on automatically.

How to link multiple channels to one button-
In the app under the button settings, there is a Linked Channels menu listing off channels 1 through 8. Select each channel to be tied with that button. Example- button 1 controls all rear facing lights which are on channels 1, 2, and 7. In the app, 1, 2, and 7 will need to be checked.

How to increase current output-
If you need more than the available 15A, you can link channels together. To do this, simply run the output wires from those channels to the accessory needing more current. Example- to run a 30A light bar, run wires from channel 1 and channel 2 to the light bar. Then in the settings, make sure that both those channels are checked on for any button that triggers that light bar.

Can the dimming functions be used for any 12V light?
Please check with your light manufacturer to make sure it supports dimming.

Places the sensor wires can tap into-
Brake, turn signal, high beam, welcome light, running light (for reducing panel backlight), reverse light, or even add in rocker switches for 3 additional buttons.

How to reset a channel if it auto shuts off due to exceeding the set max current in the app-
When the set max current is triggered, the power of the channel will be cut off for safety and the related buttons will flash warning color. After fixing the issue that causes the set max current being triggered, power off and on all buttons via app of control panel.

Can multiple XKcommand systems be controlled in one app?
Yes. The main app page will have an arrow indicating the user to swipe left/right to access each panel.

Can the system be used to control motorized accessories such as a winch or air compressor?
The system can be used to power on/off the relay switch but should NOT be used to directly power the product. Motorized products can have very high momentary voltage/current during power on/off stage that goes way beyond the standard spec. Using a relay ensures safe operation.

Can the white (ignition trigger sensor) wire be tapped into a data wire with 3-5V voltage?
Yes. The white sensor wire is designed to be 3-16V compatible.

FCC Requirement

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

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