

# Xray Vision Dual Switching Quick Fit Wiring Harness Installation

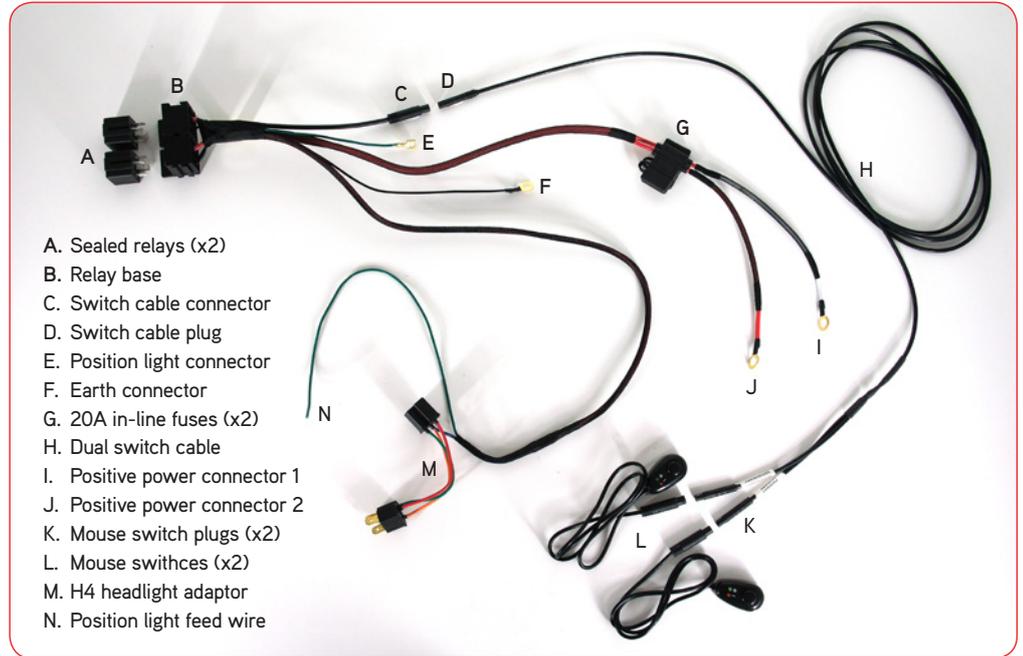
Part Number: DLXWIRE-KIT-12V

This dual switching quick fit wiring harness is designed for the dual beam versions of the Xray Vision quad-optic LED linear driving light range, however it can also be used for the installation of any quartz halogen, HID, or LED auxiliary lamps that require a dual switching setup.

This harness is designed to simplify connection to both positive and negative switching headlight circuits. It does not require polarity checking for different systems as the integrated electronics in the harness automatically cater for each system type. Familiarise yourself with the harness connections by laying it in position across the vehicle.

## SAFETY NOTICE

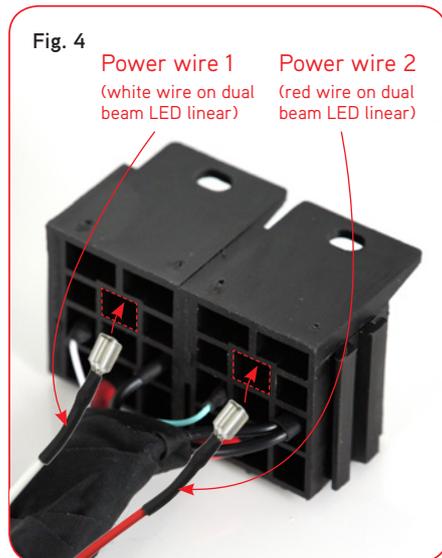
Disconnect the negative battery lead before commencing any electrical work. Always wear suitable safety gear including eyewear when using hand tools.



## 1. Relay Fitment

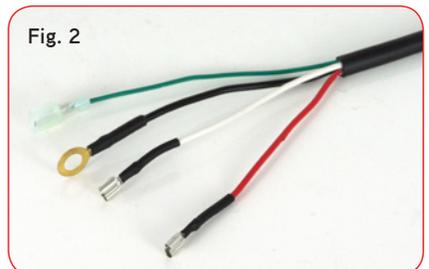
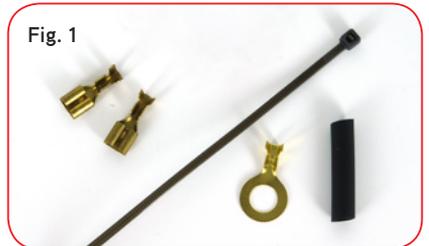
Locate a suitable mounting place for the relay base (B) in close proximity to a power source such as a positive battery or alternator terminal, making sure all cables are routed away from heat sources and moving parts. **Note: connecting the positive battery supply is the final procedure; connecting prior to this may damage the harness and void the warranty.**

If connecting a dual beam LED linear driving light, you can use the pre-terminated connections on the end of the quad-core cable. If connecting an LED linear driving light or other lights with no pre-terminated connections, use the two included female blade terminals (Fig. 1) on the end of the two power wires (normally red from standard lights, or red and white in the case of an LED linear), and use the ring terminal on the earth wire (usually black), as per Fig. 2.



The two female blade terminals need to be inserted into the relay base (B) from the underside, prior to the two relays being fitted (as per Fig. 4). Insert these two female terminals until they click into place. Then the relay base can be mounted in an upright position protected from moisture and heat.

Once mounted, then the two relays (A) can be inserted into the top side of the relay base (Fig. 3). Mount the ring terminal (F) to an adequate earth point on the vehicle body. If connecting an LED linear, the black wire from the driving light can also be mounted with this harness earth wire.



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## 2. Switch Fitment

Run the single plug end (D) of the black dual switch cable (H) from the inside of the cabin into the engine bay via a suitable rubber grommet in the firewall. Plug this single end (D) into the corresponding female plug that comes out from the relay base (C).



Inside the cabin locate a suitable mounting position for the two mouse switches (L). With the twin plug end (K) of the black dual switch cable, plug one mouse switch into the 'PRIMARY' and the other into 'SECONDARY'.

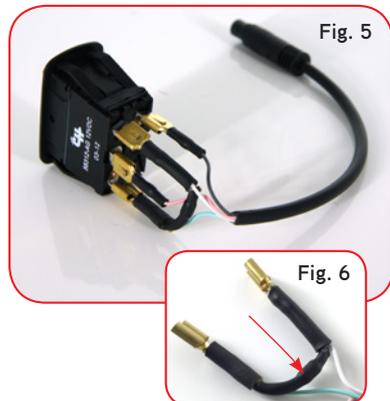
Then thoroughly clean the mounting surface, remove the protective film from the self-adhesive pads and stick the switches into position.



The switch plugged into 'PRIMARY' will control power circuit 1 (spread beam on a dual beam LED linear) and the switch plugged into 'SECONDARY' controls power circuit 2 (pencil beam on a dual beam LED linear).

### Optional Switch Fitment (not included)

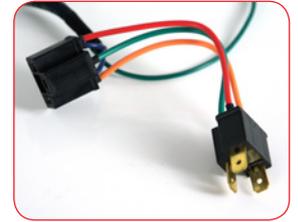
For fitment of other switch types, such as an 'ON-OFF-ON' style illuminated rocker switch, use the optional additional part 'DLXWIRE-01'. After fitting the black dual switch cable (H) as instructed above, disregard the two included mouse switches and plug the DLXWIRE-01 into the end labelled 'PRIMARY' (K). Then using the female blade terminals connect the harness to the new switch, with black going to earth, pink going to power, and the white and green wires to the two loads (Fig. 5).



In the standard configuration, one of the 'ON' positions will activate a single circuit, and the other 'ON' position will activate both circuits. If you wish to have the two circuits switched individually, simply remove the black diode section that joins the green and white wires (Fig. 6).

## 3. H4 Headlight Adaptor Fitment

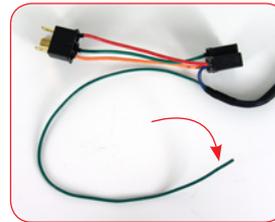
Take the H4 headlight adaptor (M) and route it to the back of the vehicle headlight closest to the relay mounting position. Remove the H4 3-pin connector from the back of the vehicle headlight and plug it into the 3-pin male H4 connector on the driving light harness. Then plug the female 3-pin H4 connector adaptor back into the headlight H4 globe.



### Non-H4 Headlight Adaptor Fitment

Simply cut the blue wires near the H4 adaptor (M) and discard the adaptor. Connect the two blue wires to the two high beam wires running into the back of the headlight (or directly at the back of the high beam globe). Note: this connection is not polarity conscious and does not require testing; it will function connected either way.

## 4. Optional Position Light Function



Most Xray Vision quartz halogen, HID, and LED driving light products feature an optional LED position light function. If you wish to activate this function, simply connect the green wire that exits near the headlight adaptor (N) to the park light circuit. This can be achieved using the included red scotch lock.

Then connect the position light wire from the driving lights (normally also green) to the green wire that exits from the relay base (E). The position lights in the driving lights will now activate whenever the vehicle's parker/clearance lights are activated.



## 5. Final Connections

Connect the main red and white power cables (I and J) to a positive terminal on the battery or alternator. Check that all connections and all cables are secured in a safe manner. Reconnect the vehicle earth to the battery. Finally check all auxiliary lamps function correctly via the mouse or optional switch(es) when the vehicle high beam is activated.



If everything is working correctly, you are now ready to enjoy the market-leading performance and quality of Xray Vision driving lights!