

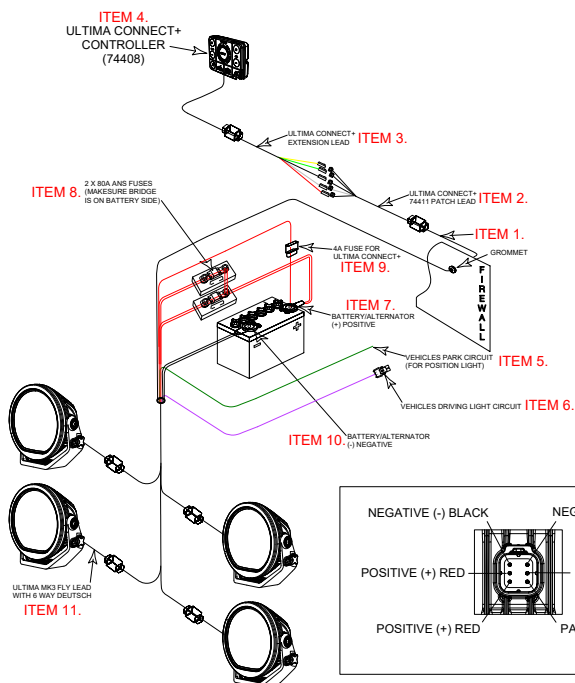
NARVA®

Part No. 74411

ULTIMA MK3 12/24V 4 LAMP SMART HARNESS WIRING HARNESS USING ULTIMA CONNECT+ INSTRUCTIONS AND SPECIFICATIONS



WIRING INSTRUCTIONS FOR CONNECT+ CONTROLLER INSTALL ONLY



HOW TO USE CONNECT+ CONTROLLER

MAIN

Controls:

180 Ultima Hybrid Driving Lights
215 Ultima Hybrid Driving Lights
24" Ultima Light Bars

Press + to increase brightness
Press - to decrease brightness

BOOST

Overrides all modes and thermal protection system for 30 seconds to provide full brightness with an extra 15% power.

BOOST mode will turn off automatically after 30 seconds and cannot be pressed again until 5 minutes later. The boost ring lights up when ready to use

POWER

White illumination -
Ignition or Parking
lights ON

Green illumination -
High beam ON

Press to turn lights
ON and OFF when
green lights is
illuminated



AUX

Controls:

215 Ultima Spot Driving Lights
8" Ultima Light Bars

Press + to increase brightness
Press - to decrease brightness

DIRT ROAD MODE

Provides 100% brightness on
all lights

4WD TRACK MODE

Provides 50% brightness on
MAIN and 100% brightness
on AUX

HIGHWAY ROAD MODE

Provides 100% brightness on
MAIN and 50% brightness
on AUX

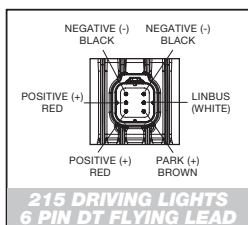
WIRING INSTRUCTIONS FOR CONNECT+ CONTROLLER INSTALL ONLY

WARNING:

One wiring harness to be used per 4 driving lights. Additional lights connected to the same wiring harness can cause wiring and fuse to overload. MK3 215 Spot (P/No. 71745) can draw up to 23Amps of current at 10V per lamp, ensure wiring and fuses used can handle high current and temperature depending on the length. Australian Design Rules (ADR) can only have 8 forward facing lamps (including headlamps) on vehicle.

1. Find suitable area in vehicle firewall to fit 6 way Deutsch Connector labelled "CONNECT+" (ITEM 1.) through firewall and secure with grommet fitted to harness.
2. Attach Ultima Connect+ 74411 Patch Lead to 6 way Deutsch Connector labelled "CONNECT+" (ITEM 2.)
3. Attach Ultima Connect+ Fly lead (ITEM 3.) (comes with 74408 unit) to 74411 Patch Lead using QC connector matching colour to colour. 2 way green and black (Earth and Pos. Lamp), 2 way single Yellow wire to Yellow (High Beam), Single White to White (LINbus) and Single Red to Red (Positive+).
4. Find suitable area on Vehicle dashboard to mount for 74408 Ultima Connect+ Control (ITEM 4.)
5. Find suitable place to run harness through vehicle engine bay. Run harness along chassis rails where appropriate. Harness can also be run along other cabling in engine bay. Cable tie harness where appropriate.
6. Connect the Green wire labeled "VEHICLE POS. LAMP" (ITEM 5.) to vehicle park light circuit or ignition source (+).
7. Most vehicles will have switch fitted for auxiliary driving lights. Please find connector in engine bay labeled "Driving Lights Left" or "Driving Light Right". There is a 2 way Weatherpack connector labeled "High Beam/DL Switch" (ITEM 6.) and has a violet and a black wire. Some vehicles may have a different connector where this connector will need to be removed and another connector will be required to make this connection. This connector will usually be found behind one of the headlamps.
8. Attach Battery Lug (RED) labeled "BATT POS." (ITEM 7.) to vehicle battery/alternator positive side. This runs to a dual ANS fuse holder with two 80amp ANS fuses for a 12V vehicle. (For 24V vehicles, please use 2 x 40amp ANS fuses) Note: Check the nuts on ANS fuse holder posts with ANS fuse fitted are securely tightened and the bridge between the two fuses is on the power/ battery side of the holder.
9. Secure/mount ANS fuse holder in a dry area of the engine bay (ITEM 8.).
10. Attach 4Amp Blade fuse holder (ITEM 9.) to same battery/alternator as Battery Lug (RED). This powers the Ultima Connect+ Controller.
11. Attach Battery Lug (BLACK) labeled "BATT NEG." (ITEM 10.) to vehicle battery/alternator/ground post negative side.
12. Run 4 x 6 way Deutsch Connectors (ITEM 11.) to front of vehicle to mounted Ultima MK3 lamps.
13. Test the driving lights by turning on the vehicle's park light and high beams. The driving lights should only illuminate on high beam. Press the Power button on Connect+ when illuminated green to turn driving lights on.

6-PIN DT FLYING LEAD WIRE SPECIFICATION



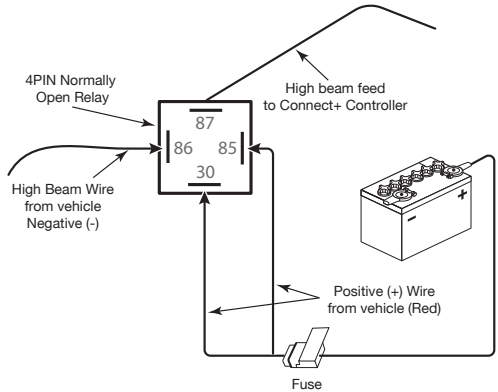
- PIN 1** Negative Black 4MM (16AWG)
- PIN 2** Linbus White 2.5MM (20AWG)
- PIN 3** Park Brown 2.5MM (20AWG)
- PIN 4** Positive Red 4MM (16AWG)
- PIN 5** Positive Red 4MM (16AWG)
- PIN 6** Negative Black 4MM (16AWG)

Note: Driving lights must dip with H/Beam to meet ADR requirements. LINbus wire connection only required with Ultima Connect+ Controller. "High Beam Splitter" included if multiple wiring harnesses are used and require high beam feed.

NEGATIVE SWITCHING

For negative switched vehicles:

1. Using a 4PIN normally open relay (Narva P/No. 68000), connect PIN 30 and PIN 85 to a constant +12V source with 5Amp inline fuse.
2. Connect negative (-) high beam wire from vehicle to PIN 86.
3. Connect PIN 87 to Connect+ Controller High beam feed.



WARRANTY STATEMENT

Brown & Watson International Pty Ltd ("BWI") of 1500 Ferntree Gully Road, Knoxfield, Vic., telephone (03) 9730 6000, fax (03) 9730 6050, warrants that all products described in its current catalogue will under normal use and service be free of failures in material and workmanship for a period of one (1) year from the date of the original purchase by the customer as marked on the invoice. This warranty does not cover ordinary wear and tear, abuse, alteration of products or damage caused by the purchaser. To make a warranty claim the consumer must deliver the product at their cost to the original place of purchase or to any other place which may be nominated by either BWI or the retailer from where the product was bought in order that the warranty assessment may be performed. The consumer must also deliver the original invoice evidencing the date and place of purchase together with an explanation in writing as to the nature of the claim. In the event that the claim is determined to be for a minor failure of the product then BWI reserves the right to repair or replace it at its discretion. In the event that a major failure is determined the consumer will be entitled to a replacement or a refund as well as compensation for any other reasonably foreseeable loss or damage. This warranty is in addition to any other rights or remedies that the consumer may have under State or Federal legislation.

IMPORTANT NOTE

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Distributed by

AUSTRALIA

Brown & Watson International Pty. Ltd.

Knoxfield, Victoria 3180

Phone: (03) 9730 6000

Fax: (03) 9730 6050

National Toll Free: 1800 113 443

NEW ZEALAND OFFICE

Brown & Watson International NZ Ltd.

Mount Wellington, Auckland 1060

Phone: (09) 525 4575