

Installation Guide: Maxibar X LED Lightbar

Installing your lightbar

When permanently mounting a lightbar you should drill a suitable sized hole in the roof of the vehicle. To ensure that you do not damage your headliner when drilling the roof, drop the headliner by about 6". You should fit the cable with a cable gland or grommet to avoid damaging the cable. Remember to de-burr the cable entry point on the vehicle to avoid accidental damage to the cable. You should use the correct sealant (available separately from Onus) to ensure that the hole(s) drilled for the cable(s) are weatherproofed sufficiently.



WARNING

Ensure that only suitably trained personnel attempt to install this device or devices. Failure to install the device properly could result in damage to the vehicle, injury or even death.



AIR BAGS

Many vehicles are now fitted with side and curtain air bags. Ensure that you do not drill and avoid accidentally triggering the devices during fitting.



WARNING: ROOF SUPPORTS

There will be a roof support member(s) that spans the distance between the driver's side and the passenger's side. Do not drill through the member. Ensure that you adjust the cable route.



WARNING: DIGITAL CONTROLLERS

A specific digital controller is available for this product. Do not install a third-party controller to avoid damage to the lightbar. Replacement parts and advice are available for this independently.

Connecting the lightbar cable(s)

Once the cable has been correctly located and the lightbar installed, you can begin to connect the power and control cables for the lightbar. Applying the correct voltage to the correct cable activates the function on the lightbar. It is entirely likely that you may need to extend the cables from the original harness to reach its standard controller or other control destination. You can do this by following the key below and applying voltage to the relevant cable. Should you encounter any queries you should contact your distributor as quickly as possible to avoid any damage to the electronics within the lightbar. Always ensure that you connect the BLACK ground wire first to a suitable ground and then go on to connect the positive and control connections via a suitable fuse.

Cable key

Where the key displays 12v, replace this with 24v where required.

Colour	Function	Connect to	Fuse
Red (12AWG)	Power In	+12v	30A
Black (12AWG)	Power In	Ground	-
Red (20AWG)	Power Out	Controller	-
Black (20AWG)	Power Out	Controller	-
Blue	On/Off	+12v	-
White	Warning Mode	+12v	-
Yellow	Flash Pattern Select	+12v	-
Purple	Traffic Director: Left	+12v	-
Green	Traffic Director: Right	+12v	-
Orange	Traffic Director: Centre	+12v	-

Flash patterns

You can select flash patterns by momentarily applying +12v to the YELLOW cable. To reset the lightbar to Demo mode (all patterns cycling) apply power for more than 3 seconds.

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|----------------------------------|-----------------------------------|
| 1 - Quint Flash (Split) | 16 - Super Flash (Split) |
| 2 - Quint Flash (In/Out) | 17 - Super Flash (In/Out) |
| 3 - Quint Flash (Side by Side) | 18 - Super Flash (Side by Side) |
| 4 - Quint Flash (All P1) | 19 - Super Flash (All P1) |
| 5 - Quint Flash (All P2) | 20 - Super Flash (All P2) |
| 6 - Quad Flash (Split) | 21 - Extreme Flash (Split) |
| 7 - Quad Flash (In/Out) | 22 - Extreme Flash (In/Out) |
| 8 - Quad Flash (Side by Side) | 23 - Extreme Flash (Side by Side) |
| 9 - Quad Flash (All P1) | 24 - Extreme Flash (All P1) |
| 10 - Quad Flash (All P2) | 25 - Quad-Single Flash (Split) |
| 11 - Single Flash (Split) | 26 - Chaser Flash - Slow |
| 12 - Single Flash (In/Out) | 27 - Chaser Flash - Medium |
| 13 - Single Flash (Side by Side) | 28 - Chaser Flash - Fast |
| 14 - Single Flash (All P1) | 29 - Cycle Flash |
| 15 - Single Flash (All P2) | 30 - Steady Burn* |

*Steady burn mode is designed for testing purposes only. LEDs will illuminate at 50% power for inspection only and must not be used in this mode permanently.



WARNING

Customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and fused at the battery to carry that load. Do not use circuit breakers with this product.



Requires additional guide
(if ordered)