

Installation Guide: Guardian X Mini LED Lightbar



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.

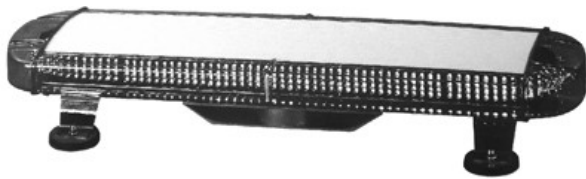
Installing the lightbar

By default, the unit is a semi-permanent mounting with the siren being installed permanently via a suitable power supply and the lightbar operating via the cigarette socket. Alterations may have been made by Onus prior to delivery based on customer specification and can be made by an approved auto electrician.



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.



Connecting the flasher unit cables

The power wires to the siren controller should ideally be connected through a switch and relay system (customer supplied). A variety of switching options are available from Onus Technologies to suit this unit.

Cable key

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

Colour	Function	Connect to	Fuse
Red	Power	+12v	15A
Black	Power	Ground	-
Brown 1	Speaker	Speaker	-
Brown 2	Speaker	Speaker	-

Siren tones/frequencies

The siren tones available on the unit (pictured right) are as follows;

Tone	Frequency	Timing
YELP	f1: 600 ~ f2: 1500±50hz	0.333~0.385 secs
WAIL	f1: 600 ~ f2: 1500±50hz	3~5 secs
HI-LO	f1: 800 ~ f2: 1000±50hz	1.67~2.5 secs
HI-LO 2	f1: 800 ~ f2: 1000±50hz	0.455~0.556 secs
YELP 2	f1: 1500 ~ f2: 600±50hz	0.4~0.8 secs
RVRS	f1: 800±50hz	0.455~0.556 secs

Note: The RVRS tone is designed for use when reversing a vehicle or when 'crawling' through pedestrian zones where full siren warning is not appropriate.

Speaker connections

The siren speaker outputs are 8Ω. Please ensure a suitable equivalent is used to prolong the life of the unit.



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.

