MEGA-FLASH BULLITT

SINGLE, DUAL & MULTI COLOUR
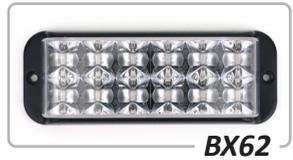
BX31 **BX32** **BX61** **BX62**

Technical Information

		BX31			BX32			BX61			BX62	
	SINGLE	DUAL	MULTI	SINGLE	DUAL	MULTI	SINGLE	DUAL	MULTI	SINGLE	DUAL	MULTI
Voltage Range	11 - 30v DC			11 - 30v DC			11 - 30v DC			11 - 30v DC		
Max Current (12v)	500mA			1Amp			1Amp			2Amp		
Max Current (24v)	250mA			500mA			500mA			1Amp		
No. of LEDs	3	6	9	6	12	18	6	12	18	12	24	36
AMBER Lumens	686.25			1372.5			1372.5			2745		
BLUE Lumens	476.25			952.5			952.5			1905		
RED Lumens	648.75			1297.5			1297.5			2595		
WHITE Lumens	1095			2190			2190			4380		
GREEN Lumens	727.5			1455			1455			2910		
LED power (Watts)	9w	18w	27w	18w	36w	54w	18w	36w	54w	36w	72w	108w
Weight (gram)	59g			90g			104g			164g		
Temp. Range	−40 to 105 ºC			−40 to 105 ºC			−40 to 105 ºC			−40 to 105 ºC		
Approval	EMC & R65			EMC & R65			EMC & R65			EMC & R65		

Installation

— **Primary Colour**
— **Secondary Colour** *(If fitted)*

+ 11 - 30 v

2 amp fuse
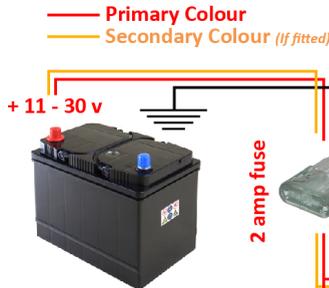
Setting the mode: *(alternate or simultaneous flash)*
- Power 1 lamp by applying red cable to +ve (positive) and black cable to -ve (negative)
- Apply yellow cable to -ve (negative)
- Apply brown cable to +ve (positive) for 5 seconds
- The lamp will now change flash mode
- To reverse (simultaneous flash) repeat the steps

flash mode (+ve)
permanent on
sync
pattern (+ve)
dim (+ve)
computer output & colour selection (+ve) *(If fitted)*

BULLITT GRILLE LIGHT

Add any number of additional lamps onto the circuit but ensure you fuse appropriately (See: 'Technical Information')

Installers should use IP67 rated cable connectors. Failure to do so may result in voiding the product warranty. Please consult our technical department for more information.

* ECE R65 Flash Pattern

Flash Patterns:
Mega-Flash
Quad-Flash (Fast)
Triple-Flash (Fast)
*Double-Flash (Fast)
Single-Flash (Fast)
Hyper-Flash
Quad-Flash (Slow)
Triple-Flash (Slow)
Double-Flash (Slow)
Single-Flash (Slow)
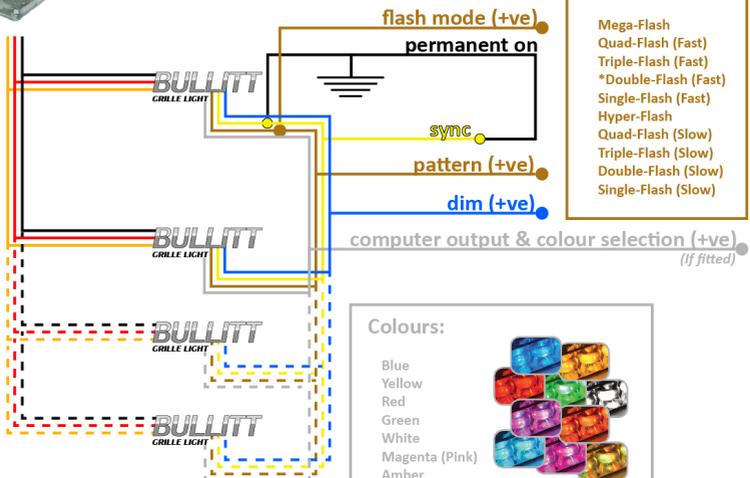
Colours:
Blue
Yellow
Red
Green
White
Magenta (Pink)
Amber
Californian Blue
Purple
American Amber

Connecting BX lamps to a vehicle battery / power source requires the black wire to be connected to the **negative** (-) terminal, and the red wire to be connected to **positive (+)** terminal. **Note:** Secondary colour options require the orange wire to be connected to the positive (+) connection on the power source.

Pattern and mode functions need to be set in the same manner as the primary (red wire) colour. Disconnect the red wire to set the secondary functions as desired.

All lamps are set to double flash pattern as default before leaving the factory.

Description of lamp wire functions:
Blue: Sets the DIM (night mode) function (latching switch / +ve).
Brown: Sets the pattern function (momentary switch / +ve).
Grey: Computer output ('fade control') & colour selection (momentary switch / +ve).
Orange: Powers the secondary colour LEDs (latching switch / +ve).
Yellow: Primarily used to synchronise lamps together, also sets the alternate flash mode and sets the 'steady burn' lamp function (latching / momentary / manual touch / -ve).

To set the alternate flash mode:
Wire up the red (+) and black (-) wires to positive (+) and negative (-) terminals on the power source.

Hold the yellow wire (sync wire) to the **negative** terminal on the power source. **Note: Do not hold the yellow wire to the positive terminal, as this will damage the lamp permanently.** The lamp will turn from flashing to steady burn.

While holding the yellow wire on the negative terminal, hold the brown wire to the positive terminal. After 2 seconds, the lamp will extinguish for 3 seconds, after which the lamp will start a quick succession of flashes. Remove the brown wire, the lamp should now be flashing alternately to any lamps it synchronises with.

To set the flash pattern:
With the lamp powered on, the brown wire should be connected to positive (+) terminal from the power source momentarily, to change to the next pattern. Either touch the wire to positive briefly, or connect via a momentary switch and press to change pattern. There are 10 flash patterns. Holding to +ve for 2 seconds will revert to flash pattern 1.

To set the DIM function:
Connect the blue wire to positive (+) at the power source to enable DIM (night) mode. The blue wire needs a constant connection to (+) to operate in this mode. The lamp will return to full brightness when the blue wire is disconnected.

To permanently illuminate a lamp:
Connect the yellow wire to negative (-) at the power source to enable 'steady burn' mode. The yellow wire needs a constant connection to (-) to operate in this mode. The lamp will return to the set flash pattern when the yellow wire is disconnected.

To Synchronise lamps:
When the desired flash pattern and mode has been set on the BX lamps, connect the yellow wires from each lamp together, this will ensure all lamps flash in synchronised format.

To change the colour of each output: (Multi-coloured lamps only)
Power the output you want to change colour (either red or orange wires). Apply the grey cable to positive (+) and the yellow wire to negative (-). Momentarily apply the pattern brown cable to positive (+) to cycle through the various colour options. Once selected remove the signal cables and the lamp should flash as normal.

Ensure IP67 rated connectors are used to terminate all wiring.
Failure to do so may invalidate the product warranty.