SIREN SPEAKER WIRING (AVAILABLE ON SPEAKER EDITION ONLY)

WARNING: Before wiring the speaker, please ensure that the amplifier (siren) is compatible with the speaker's impedance and power rating. Using incompatible amplifier may cause permanent damage to the speaker and/or the lightbar; such damage will not be covered under warranty.
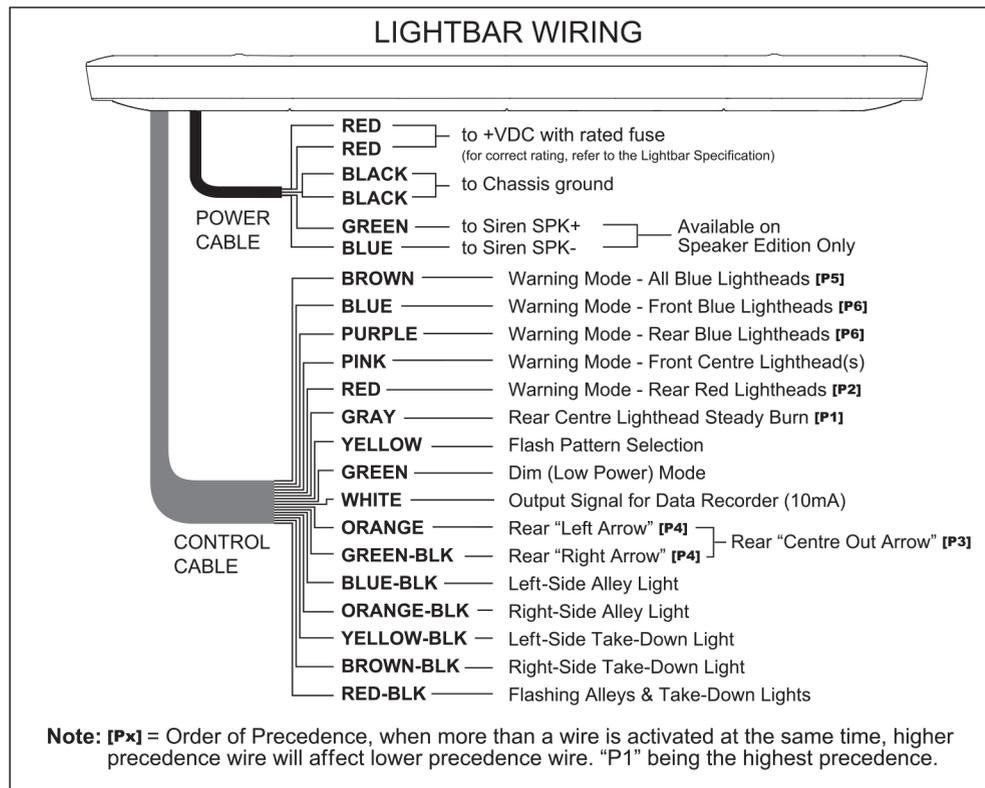
  Speaker Impedance: 11 ohm @ 1 KHz

  Speaker Power Rating: 100 watt

1. Route speaker wires towards the siren unit (user-supplied).

2. Connect the speaker wires to the respective siren output.

WIRING & FUNCTIONS (C2 / C5 - Custom)

Proper installation of the product requires the installer to have a good understanding of automotive electronics, systems and procedures. Different applications may require different functions. For optimum efficiency, it is highly recommended to determine, configure and test the required functions prior to Installation.

LIGHTBAR WIRING

POWER CABLE

Wire	Function
RED	to +VDC with rated fuse
RED	(for correct rating, refer to the Lightbar Specification)
BLACK	to Chassis ground
BLACK	
GREEN	to Siren SPK+ — Available on
BLUE	to Siren SPK- — Speaker Edition Only

CONTROL CABLE

Wire	Function
BROWN	Warning Mode - All Blue Lightheads [P5]
BLUE	Warning Mode - Front Blue Lightheads [P6]
PURPLE	Warning Mode - Rear Blue Lightheads [P6]
PINK	Warning Mode - Front Centre Lighthead(s)
RED	Warning Mode - Rear Red Lightheads [P2]
GRAY	Rear Centre Lighthead Steady Burn [P1]
YELLOW	Flash Pattern Selection
GREEN	Dim (Low Power) Mode
WHITE	Output Signal for Data Recorder (10mA)
ORANGE	Rear "Left Arrow" [P4] — Rear "Centre Out Arrow" [P3]
GREEN-BLK	Rear "Right Arrow" [P4]
BLUE-BLK	Left-Side Alley Light
ORANGE-BLK	Right-Side Alley Light
YELLOW-BLK	Left-Side Take-Down Light
BROWN-BLK	Right-Side Take-Down Light
RED-BLK	Flashing Alleys & Take-Down Lights

Note: [Px] = Order of Precedence, when more than a wire is activated at the same time, higher precedence wire will affect lower precedence wire. "P1" being the highest precedence.

POWER CABLE

1. Route Power Cable to the vehicle firewall towards the battery and follow the factory wiring harness through the firewall. If drilling a hole is required, ensure that no component is damaged from the drilling.

2. Splice 2 **RED** wires to form a single wire then install a fuse (user-supplied) to the end of the **RED** wire, before connecting it to the battery. (for suggested fuse rating, refer to the product spec.)

3. Splice 2 **BLACK** wires to form a single wire then connect the **BLACK** wire to the factory chassis-ground next to the battery.

NOTE: Ensure that all wires of the power cable are securely connected to the power source.

⚠ WARNING

- DO NOT USE THE POWER WIRE(S) AS THE LIGHTBAR ACTIVATION SWITCH. USE ONLY THE FUNCTION WIRE(S) TO SWITCH AND ACTIVATE.
- ENSURE THE POWER WIRE(S) ARE PROPERLY CONNECTED BEFORE ACTIVATING ANY FUNCTION WIRE(S).
- MISCONNECTING THE WIRES AND SWITCH MAY CAUSE THE LIGHTBAR LIGHTBAR TO MALFUNCTION AND / OR RESET TO ITS DEFAULT SETTINGS.

CONTROL CABLE

1. Route Control Cable towards the dash area to a switch panel (user-supplied).

2. Connect the required wires to the switch panel.

WARNING MODE - BLUES

Each of the 3 Modes can select and store one pattern from the built-in flash patterns.

To change flash pattern:

  i. Activate the desired Mode by applying +VDC to **BROWN**, **BLUE** or **PURPLE** wire.
  - ■ **BROWN** wire for Warning Mode in all Blue Lightheads .
  - ■ **BLUE** wire for for Warning Mode in Front Blue Lightheads.
  - ■ **PURPLE** wire for Warning Mode in Rear Blue Lightheads.
        NOTE: BROWN wire takes higher precedence than **BLUE** or **PURPLE** wire.

  ii. While a Warning Mode is activated, tap **+VDC** to **YELLOW** wire:
      a. Once to next pattern. (refer to Flash Pattern chart)
      b. Quick 3 times to FP#1.

BP#	Blues Flash Pattern		BP#		
1	Single [2Hz]	Outside-in	20	Single H/L	Left-Right
2	Ultra	Outside-in	21	Single [2Hz]	Outside-in Split
3	Single [2Hz]	Side-by-Side	22	Double [2Hz]	Outside-in Split
4	Ultra	Side-by-Side	23	Quad [2Hz]	Outside-in Split
5	Single [2Hz]	Side-by-Side Split	24	Quint	Outside-in Split
6	Double [2Hz]	Side-by-Side Split	25	Mega	Outside-in Split
7	Quad [2Hz]	Side-by-Side Split	26	Ultra	Outside-in Split
8	Quint	Side-by-Side Split	27	Single-Quad	Outside-in Split
9	Mega	Side-by-Side Split	28	Single H/L	Outside-in Split
10	Ultra	Side-by-Side Split	29	Single [2Hz]	All
11	Single-Quad	Side-by-Side Split	30	Double [2Hz]	All
12	Single H/L	Side-by-Side Split	31	Quad [2Hz]	All
13	Single [2Hz]	Left-Right	32	Quint	All
14	Double[2Hz]	Left-Right	33	Mega	All
15	Quad [2Hz]	Left-Right	34	Ultra	All
16	Quint	Left-Right	35	Single-Quad	All
17	Mega	Left-Right	36	Single H/L	All
18	Ultra	Left-Right	37	Single [2Hz]	Criss-cross
19	Single-Quad	Left-Right	38	Ultra	Criss-cross

WARNING MODE - REAR REDS

Rear Red Warning Mode can select and store one pattern from the built-in flash patterns.

To change flash pattern:

  i. Activate the Warning Mode by applying +VDC to **RED** wire.

  ii. While a Warning Mode is activated, tap **+VDC** to **YELLOW** wire:
      a. Once to next pattern.
      (refer to Flash Pattern chart)
      b. Quick 3 times to FP#1.

NOTE: Rear **REDs** takes higher precedence than Rear **BLUEs.**

RP#	Rear Reds Flash Pattern				
1	Single [2Hz]	Left-Right	10	Double [2Hz]	All
2	Double [2Hz]	Left-Right	11	Quad [2Hz]	All
3	Quad [2Hz]	Left-Right	12	Quint	All
4	Quint	Left-Right	13	Mega	All
5	Mega	Left-Right	14	Ultra	All
6	Ultra	Left-Right	15	Single-Quad	All
7	Single-Quad	Left-Right	16	Single H/L	All
8	Single H/L	Left-Right	17	Steady Burn (25%)	All
9	Single [2Hz]	All			

WARNING MODE - FRONT CENTRE

Front Centre Warning Mode can select and store one pattern from the built-in flash patterns.

To change flash pattern:

  i. Activate the Warning Mode by applying +VDC to **PINK** wire.

  ii. While a Warning Mode is activated, tap **+VDC** to **YELLOW** wire:
      a. Once to next pattern.
      (refer to Flash Pattern chart)
      b. Quick 3 times to FP#1.

CP#	Front Centre				
1	Single [1.25Hz]	Left-Right	6	Ultra	Left-Right
2	Double [1.25Hz]	Left-Right	7	Single-Quad	Left-Right
3	Quad [1.25Hz] (Default)	Left-Right	8	Single H/L	Left-Right
4	Quint	Left-Right	9	Steady (25%)	All
5	Mega	Left-Right			

REAR CENTRE STEADY LIGHT - "GATSO" LIGHT

Activate Rear Centre Lighthead(s) in Steady by applying **+VDC** to **GRAY** wire.

LOW POWER OPERATION / DIM FUNCTION

Activate warning lighthead dimming function by continuously applying **+VDC** to **GREEN** wire.

OUTPUT SIGNAL FOR DATA RECORDER

Connect **WHITE** wire to a compatible Data Recorder for continuous 10mA output signal whenever the Lightbar is activated (any wire except **GRAY** and **YELLOW** wire).

TRAFFIC ARROW

Activate Traffic Arrow function by applying **+VDC** to:
  - ■ **ORANGE** wire for Left Arrow.
  - ■ **GREEN-BLK** wire for Right Arrow.
  - ■ Above 2 wires together for Centre-Out Arrow.

To configure the Traffic Arrow flash pattern, tap **+VDC** to **YELLOW** wire while a Traffic Arrow is activated:
    a. Once to next pattern.
       (refer to Traffic Arrow Pattern chart).
    b. Quick 3 times to TP#1.

TP#	Traffic Arrow Pattern
1	Sweep Single (Factory Pre-set)
2	Sweep Double
3	Sweep Triple
4	Sweep Single End-Double
5	Solid
6	Solid End-Double
7	Solid Chaser
8	Solid Fade
9	Blink Double
10	Blink Triple
11	Blink Solid

TAKE-DOWN LIGHT

Activate Take-down Lighthead(s) by applying **+VDC** to
  - ■ **YELLOW-BLK** wire for Left-Side Take-down Light.
  - ■ **BROWN-BLK** wire for Right-Side Take-down Light.

ALLEY LIGHT

Activate Alley Lighthead(s) by applying **+VDC** to
  - ■ **BLUE-BLK** wire for Left-Side Alley Light.
  - ■ **ORANGE-BLK** wire for Right-Side Alley Light.

FLASHING TAKE-DOWN LIGHT & ALLEY LIGHT

Activate Flashing Take-Down Llights & Alley Lights by applying **+VDC** to **RED-BLK** wire.
To configure the TDs and / or Alleys flash mode, tap **+VDC** to **YELLOW** wire:
    i. Once to next pattern.
       (refer to TDs & ALLEYs Flash Mode chart).
    ii. Quick 3 times to TA#1.

TA#	TDs & ALLEYs Flash Mode
1	TDs & Alleys (Factory Pre-set)
2	Alleys Only
3	TDs Only

NOTE: Steady Take-Down and Steady Alley Light take higher precedence than Flashing Take-down & Alley Light.