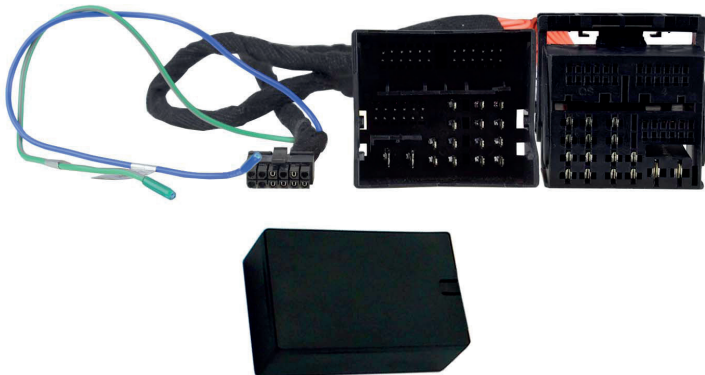# CAN CONNECT

CANHBAU1
Hi-Beam CAN-Bus Interface

CAN-Connect is the leading CAN-Bus integration solutions for the automotive industry.

CAN-Connect ist die führende CAN-Bus-Integrationslösung für die Automobilindustrie.

CAN-Connect son las soluciones de integración CAN-Bus líderes en la industria del automóvil.

CAN-Connect est le leader des solutions d'intégration Can-bus de l'industrie automobile.

CAN-Connect è la principale soluzione di integrazione CAN-BUS nel settore automobilistico.

Technical Support?
for technical support please use our
dedicated system **support.connects2.com**

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CONNECTS 2 ®

CANHBAU1_v2

PRODUCT INFORMATION

The Hi-Beam Interface is a CAN-Bus interface that provides two active low-level outputs. When used alongside an automotive relay, you're able to add additional high-current light sources, and/or any other accessory, that you wish to control via the vehicles high beam controls (*see page 4*). The data is decoded from the vehicles CAN Bus and used to switch power to the connected accessory.

The Hi-Beam provides 3 output options; a constant output, a variable ouput, and a 'follow me home' mode triggered by successive high beam flashes. The plug-and-play nature of this product provides easy installation, making it an ideal solution for vehicles requiring additional lighting for working at night.

PRODUCT APPLICATION

Audi A4   2017 - UP

PRIOR TO INSTALLATION

Read the manual prior to installation. Technical knowledge is necessary for installation. Please ensure you use the correct tools to avoid damage to the vehicle or product.
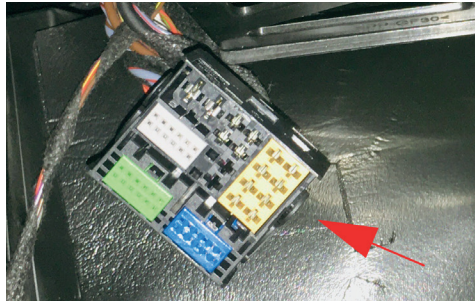
Connects2 can not be held responsible for the installation of this product.

INSTALLATION

1. Begin by removing the vehicles main head unit located within the glove compartment, once removed disconnect the main power connector.

2. Connect the 12-pin molex connector to the Hi-Beam interface.

3. Attach either the **Hi-Beam 1**/ **Hi-Beam 2** output to the additional accessory (via automotive relay) dependent on the desired function (see '*Functionality*').

4. Connect the female connector to the back of the head unit and connect the male connector to the main power connection.

5. Turn the ignition on and test the functionality of the Hi-Beam interface with the additional accessory.

6. When successfully tested, reassemble the dashboard, this will complete the installation process.

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CONNECTOR PROFILE

Connection of Hi-Beam interface is to be made on the harness that plugs into the rear of the vehicles main head unit - located within the glovebox.

FUNCTIONALITY

Hi-Beam 1 Output:
• With ignition on & engine running: this output follows the state of the high beam CAN signal. So if the high beam is on, this output will be on.

Hi-Beam 2 Output:
• With ignition on & engine running, this output toggles each time the high beam is flashed. So after the first flash, this output will turn on and stay on, after the second flash, the output will turn off.

Hi-Beam 1&2 Output:
• With ignition on & engine **not** running, the output becomes 'follow me home' with various durations. The time countdown is initiated once ignition is turned off *(see "Programming for 'Follow Me Home").*

PROGRAMMING FOR 'FOLLOW ME HOME'

The duration of the 'follow me home' function is determined by the number of '**high beam**' flashes within 30 seconds of turning the engine **off** but still having the ignition remain **on**. After 30 seconds, the interface no longer samples the high beam status to adjust the 'follow me home' timer.
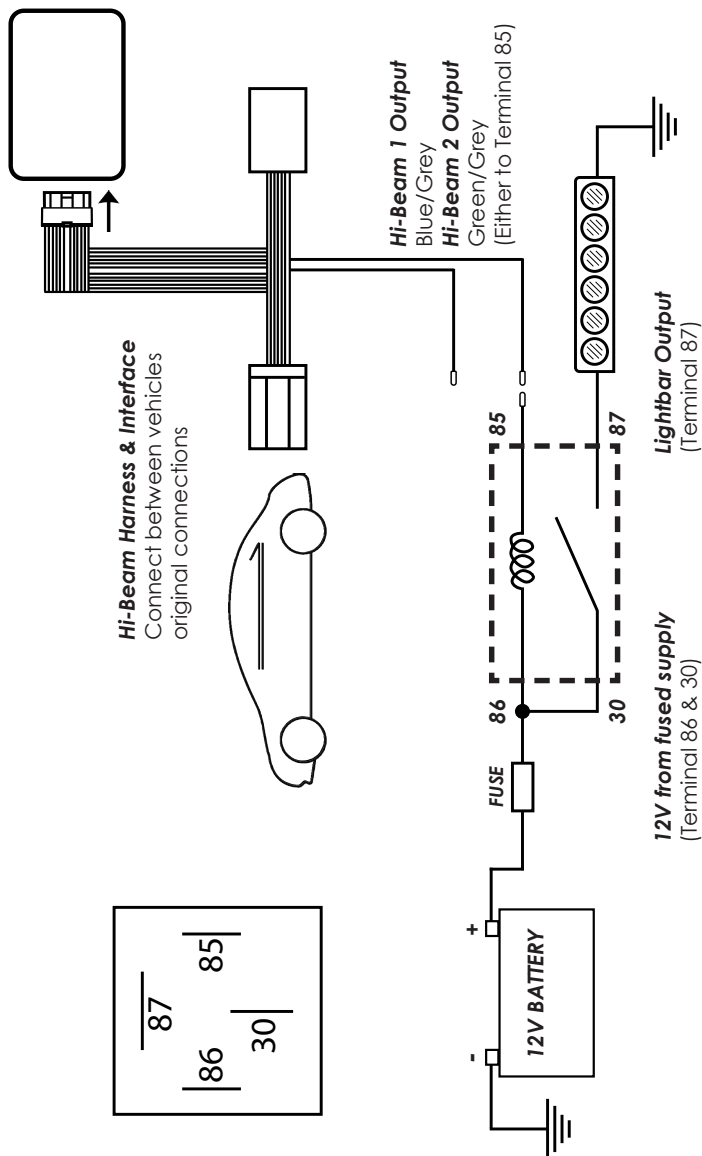
Flashes must be no more than 1.5 seconds apart; again, any longer and the count is disabled.

> 1 flash = 30 seconds
> 2 flashes = 60 seconds
> 3 flashes = 120 seconds
> 4 flashes(max) = 300 seconds

With the required amount of flashes initiated, turn the ignition off and remove key. The additional accessory will now remain active for the above timeframe.

If the additional accessory fails to function after vehicle is turned off, turn the engine back on and repeat the process ensuring you stay within the required time limits.

WIRING DIAGRAM

Hi-Beam Harness & Interface
Connect between vehicles original connections

Hi-Beam 1 Output
Blue/Grey
Hi-Beam 2 Output
Green/Grey
(Either to Terminal 85)

Lightbar Output
(Terminal 87)

12V from fused supply
(Terminal 86 & 30)

85

87

86

30

FUSE

12V BATTERY

+

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TECHNICAL SUPPORT

Connects2 Ltd. want to provide a fast and suitable resolution to any problems encountered during installation of this product.

To get in touch with our dedicated technical support team, please fill in a ticket at **support.connects2.com** and provide as much information as possible.

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