

High Beam Module



Article Overview

A high beam module, such as the CANM8 CANNECT HIGHBEAM, allows additional driving lights to be triggered by a vehicle's high beam signal via the CAN Bus system.

What a High Beam Module Does

A high beam module is designed to detect when a vehicle's high beams are active and provide a low-ampere 12V output to control aftermarket driving lights or lightbars. It does not directly power the lights; instead, it triggers a relay that switches the lights on when the high beam is engaged, ensuring safe and reliable operation without overloading the vehicle's electrical system .

How It Works

Modern vehicles often use CAN Bus wiring, which digitally controls lighting circuits. The high beam module connects to the vehicle's CAN Bus (CAN HI and CAN LO) and a permanent fused 12V power supply, along with a chassis ground. The module monitors the CAN network for high beam activity and outputs a 12V signal (typically 1A max) to the relay controlling the additional lights . Many modules include a status LED to indicate proper connection, CAN activity, and vehicle recognition .

Installation Considerations

- **Compatibility:** These modules are not universal; they are compatible only with specific vehicle makes and models. Always check the manufacturer's compatibility list

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Fig. 1 above shows a quad sealed-beam headlamp circuit for a U.S.-spec passenger car from about 60 years ago. Note that there

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PRODUCT INFORMATION The Hi-Beam Interface is a CAN-Bus interface that provides two active low-level outputs. When used

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CANM8 CANNECT CAN-Bus High Beam Interface

Description The CANM8 CANNECT HIGHBEAM is a CAN Bus Interface that provides a quick solution for detecting High Beam

Jun 28, 2026

Intelligent headlight control

High beam control improves driver visibility at night by automatically controlling the on/off function of the vehicle high beams through

Contact Us

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