



Introduction & Features

The BCI-GM31 is a Navigation Unlock integration interface that allows the factory navigation features of your 29-bit GM LAN radio or the reverse camera to be used by the passenger at anytime.

Installation

Disconnect the black 14-pin and brown 16-pin harness from the back of the radio. Connect the male 14 & 16 Pin connectors of the BCI-GM31 harness into the 14-pin and 16-pin ports on the back of the radio. Connect the factory 14-pin and 16-pin harness into the female connectors on the BCI-GM31 harness. Connect the black 24-pin micro-fit connector of the BCI-GM31 harness into the BCI-GM31.

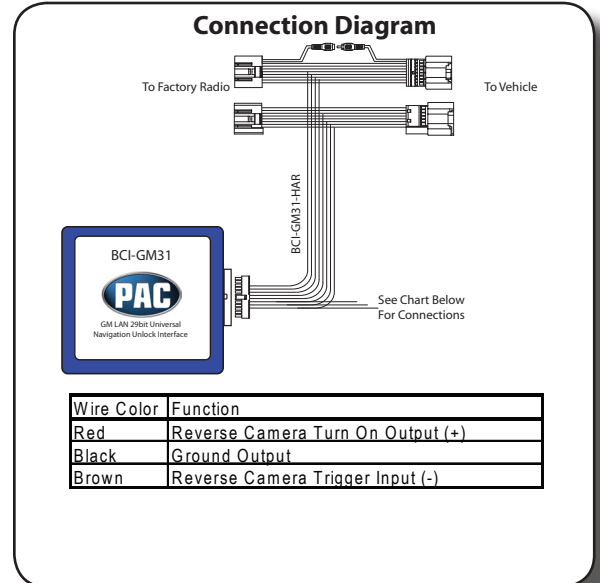
If you are adding a reverse camera:

The radio's camera reverse input will need to be enabled via the dealership using the GM MDI tool. Once enabled, disconnect the yellow RCA's in the BCI-GM31 harness and connect the radio side RCA to the aftermarket cameras video output RCA. If you wish to be able to view the reverse camera at anytime you must power up the aftermarket reverse camera via accessory +12V, not a reverse +12v signal.

Vehicles equipped with a Factory Reverse Camera:

If you wish to enable the viewing of the reverse camera at anytime you must power up the factory reverse camera when this feature is active. To do this a wire must be ran from the BCI-GM31's red camera turn on wire to the factory power wire for the reverse camera. The location of this wire will vary depending upon which vehicle you are installing the BCI-GM31 into. Please see below for the different locations.

Please Note: If the customer does not wish to use the Reverse Camera unlock feature you do not have to locate and connect this wire.



Factory Reverse Camera Power Wire Location 2007-2008 Vehicles

1. Locate the reverse camera module underneath the passenger seat (Fig A).
2. The reverse camera wire is the blue wire in pin 1 of the 12 pin plug (Fig B).
3. Connect the red camera turn on wire from the BCI-GM31 to the blue wire using a diode (Fig C). The diode is needed to prevent the reverse lights from coming on when the reverse camera is activated.
4. Verify that the reverse lights do not come on when the reverse camera unlock feature is being used.

Please Note: If you are installing the BCI-GM31 into a 2007-2008 vehicle that does not have the reverse camera module located under the passenger seat, please refer to the following pages for alternate camera wire locations.

Fig A

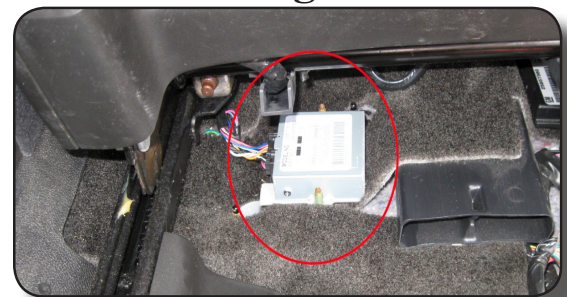
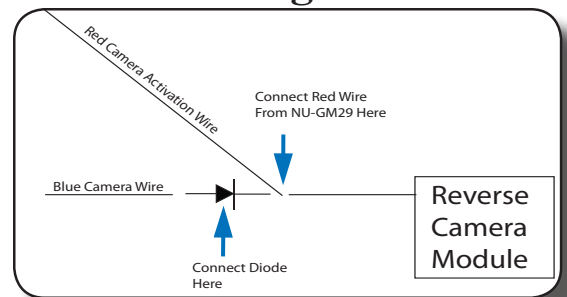


Fig B



Fig C





Reverse Camera Wire Location 2009 Avalanche/Escalade/Suburban/Tahoe/Yukon

1. You will need to locate the junction block underneath the driver dash to the right of the kickpanel on the firewall (Fig A).
2. Remove the cover and locate the 8 pin gray plug in the top left corner of the junction block (Fig B).
3. The reverse camera wire is the blue wire in pin 2 (Fig C)
4. Connect the red camera turn on wire from the BCI-GM31 to this blue wire.
5. Verify that the reverse lights do not come on when the reverse camera unlock feature is being used.

Fig A

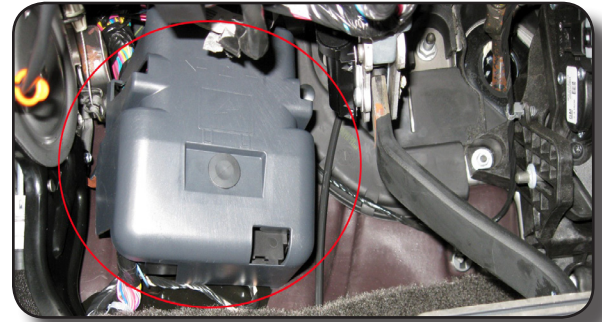


Fig B

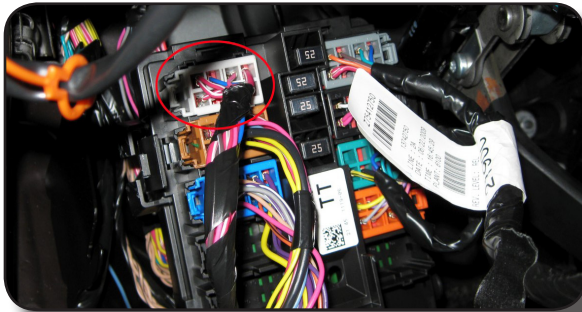
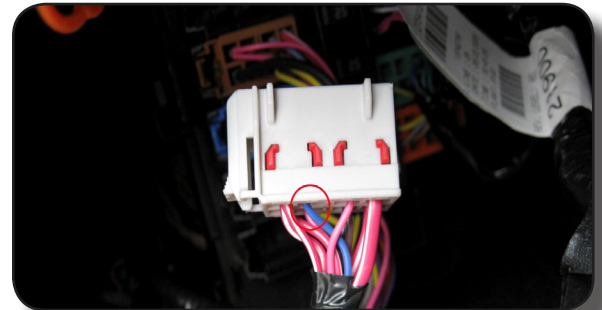


Fig C



Reverse Camera Wire Location 2009 H2

1. You will need to locate the BCM underneath the driver dash to the left of the Steering Column (Fig A).
2. Pull on the release tab at the bottom and slide the BCM down. Locate the brown plug that is the third one up (Fig B).
3. The reverse camera wire is the blue wire in pin 4 (Fig C)
4. Connect the red camera turn on wire from the BCI-GM31 to this blue wire.
5. Verify that the reverse lights do not come on when the reverse camera unlock feature is being used.

Fig A



Fig B

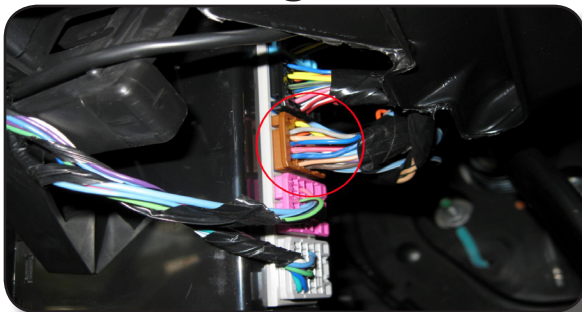
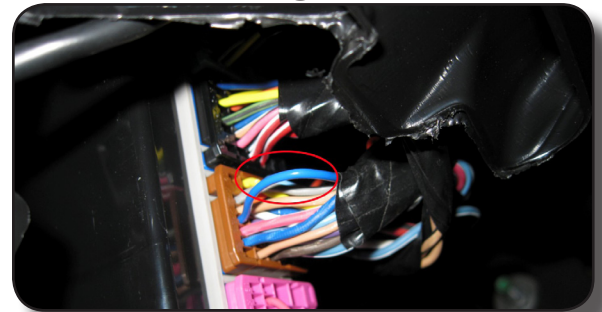
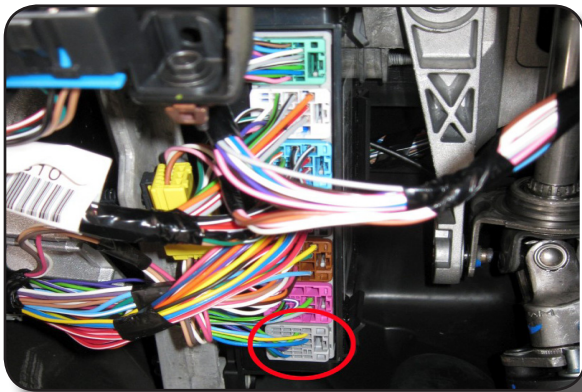
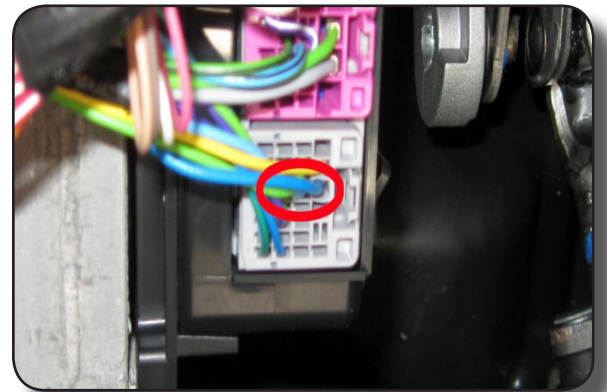


Fig C



**Reverse Camera Wire Location 2009 Acadia/Enclave/Outlook/Traverse**

1. You will need to locate the BCM underneath the driver dash to the left of the Steering Column.
2. Locate the gray plug that is all the way in the back (Fig A).
3. The reverse camera wire is the blue wire in pin 3 (Fig B)
4. Connect the red camera turn on wire from the BCI-GM31 to this blue wire.
5. Verify that the reverse lights do not come on when the reverse camera unlock feature is being used.

Fig A**Fig B****Reverse Camera Wire Location 2009 All Other Vehicles****2009 Silverado/Sierra:**

1. You will need to locate the BCM underneath the driver dash to the left of the Steering Column.
2. The reverse camera wire is a light green wire located in pin 2 of connector 7.
3. Once you have located this wire, use a multimeter to verify that it measures 12v whenever the vehicle is put into reverse.
4. Once you have verified that this is the proper wire, connect the red camera turn on wire from the BCI-GM31 to this green wire.
5. Verify that the reverse lights do not come on when the reverse camera unlock feature is being used.

2009 Vue:

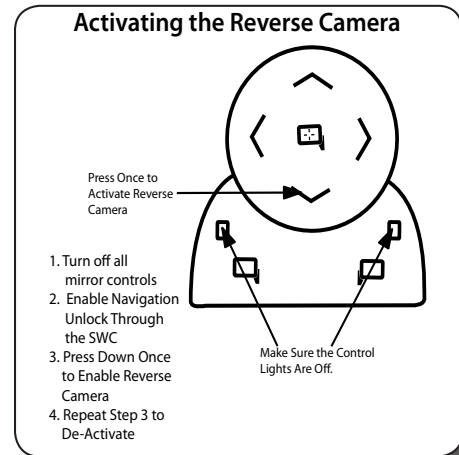
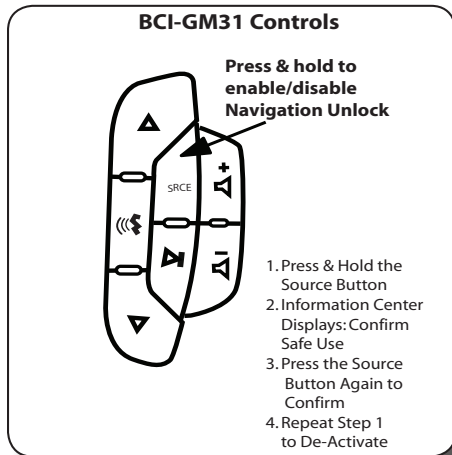
1. You will need to locate the BCM underneath the radio in the center console.
2. The reverse camera wire is a light green wire located in pin 2 of connector 6.
3. Once you have located this wire, use a multimeter to verify that it measures 12v whenever the vehicle is put into reverse.
4. Once you have verified that this is the proper wire, connect the red camera turn on wire from the BCI-GM31 to this green wire.
5. Verify that the reverse lights do not come on when the reverse camera unlock feature is being used.

****If you are having trouble locating the reverse wire or it is not in any of the locations specified, please call our technical support department at 866-931-8021 for further assistance.**





Operation



Activating the Navigation Unlock

Press and hold the "Source" button on the steering wheel controls (SWC) for two seconds to activate the BCI-GM31. You will hear one chime and the driver information center on the instrument cluster will display "Confirm Safe Use". Press the "Source" button on the SWC again to acknowledge "safe use", **agreeing that use will be performed only by the passenger whenever the vehicle is in motion**, and activate the BCI-GM31. To de-activate the BCI-GM31 simply press and hold the "Source" button on the SWC until two chimes are heard.

Please Note: When also connected with a BLU-GM29 there will be an extra chime after 1 second of holding the Source button. Ignore this and continue to hold the button for 5 seconds to activate/de-activate the BCI-GM31

Activating the Reverse Camera Unlock

Activate the navigation unlock using the SWC. Make sure that both control lights on the rearview mirror controls, on the driver door are off, and not controlling either mirror. Press down on the control pad, the rearview camera image will now display on the navigation screen.

Please Note: If you are installing the BCI-GM31 into a vehicle that is not equipped with power mirrors, you will need to install a toggle switch between the brown and black wires on the BCI-GM31 harness to activate the reverse camera. Please refer to the connector schematic located on page 1.

WARNING: In order to avoid distraction, which could lead to an accident, the driver should never utilize systems unlocked by the BCI-GM31 when the vehicle is in motion. Even when operated by the passenger, the vehicle driver should maintain their attention on the road at all times.

Installation and Compatibility Notes

1. The BCI-GM31 text will not be displayed when the OnStar Turn-by-Turn Navigation is being used.
2. **If this interface is being installed with a BLU-GM29:** The BCI-GM31 has to be installed directly into the radio in order for both modules to operate correctly. The BCI-GM31 should be connected to the radio, the BLU-GM29 connected to the BCI-GM31 harness, then the BLU-GM29 harness connected to the vehicle side. Also, the BLU-GM29 Controls must be de-activated and you cannot be in a phone call in order to properly control the BCI-GM31.
3. If the reverse lights come on when the reverse camera unlock feature is enabled and you have also installed a diode on the camera turn on wire, you will need to make this connection at the actual reverse camera.

DISCLAIMER: Under no circumstances shall the manufacture or the distributors of the BCI-GM31 be held liable for claims of any loss or damage, consequential, direct or indirect, arising from the sale, installation, or use of the BCI-GM31. The manufacture and its distributors will not, nor will they authorize any representative or any other individual, to assume obligation or liability in relation to the BCI-GM31 other than its replacement.

AGREEMENT: End user agrees to use this product in compliance with the instructions and terms of use above and with all State and Federal laws. PAC provides instructions and safety warnings with respect to this product and disclaims all liability for any use not in conformity with those instructions or other misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger use only.

