

NAV-TV

INTERFACING THE FUTURE

3950 NW 120th Ave, Coral Springs, FL 33065 TEL 561-955-9770 FAX 561-955-9760

GM IOH-PRG

Reverse camera programmer for select GM vehicles equipped with MyLink IOH Radio

IOH = IO4 (4" screen), IO5/IO6 (8" screen)

NTV-KIT628

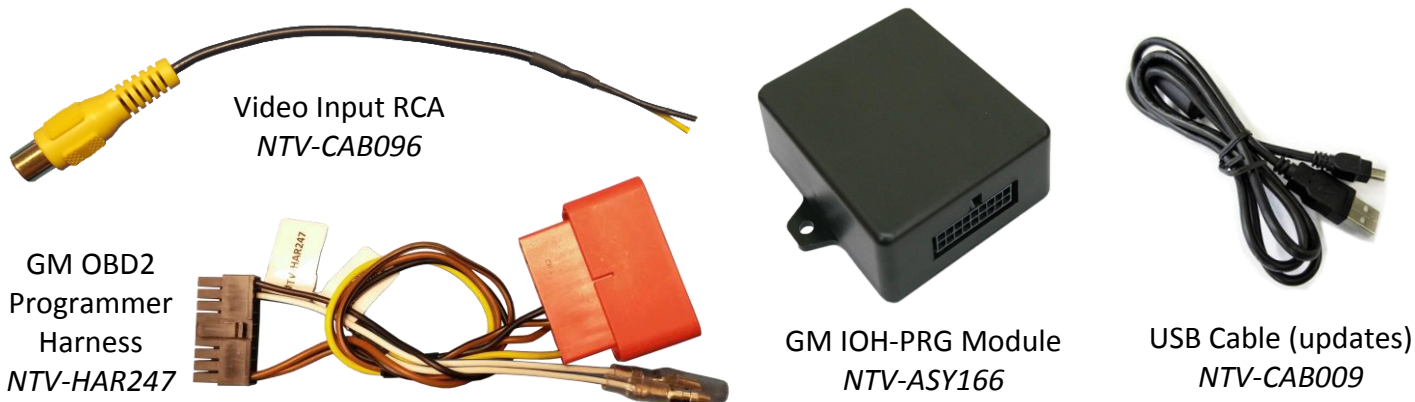


BHM
11/18/15
NTV-DOC238

Overview

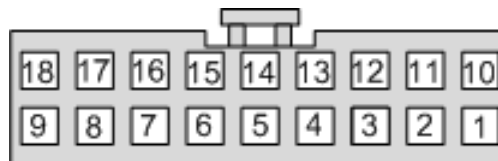
The GM IOH-PRG programs reverse camera on select GM vehicles equipped with the MyLink (model IOH) 4" and 8" color media screens. *Forcing camera(s) to display at any time is only available in conjunction with NTV-KIT629 (NTV-KIT630 includes both).* The radio code may be confirmed by locating the sticker typically found inside the glove box.

Kit Content



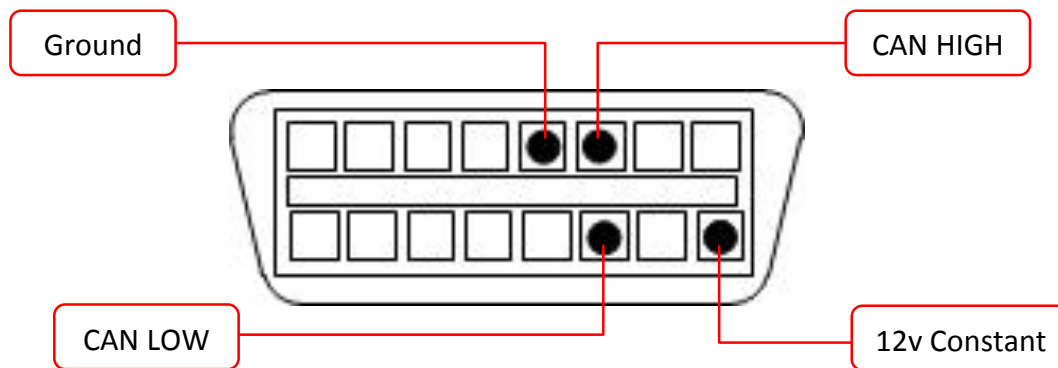
GM IOH-PRG Pinout

Pin #	Description	Color
1	12v Constant Power (+)	Yellow
2	-Not Used-	White/Blue
9	CAN HIGH	Brown/Black
10	Ground (-)	Black
18	CAN LOW	Brown



Wire Side View

GM OBD2 Programmer Harness Pinout



NTV-HAR247 Wire Side View

Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for 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 entertainment only.

GM MyLink Programming (with module)

1. Begin by connecting the provided **GM IOH-PRG Module** to the **OBD2 Harness** via the 18-pin connector.
2. With the key **OFF**, connect the red OBD2 Programmer connector (with module) to the factory OBD2 port.
 - a. Watch LED on module before engaging ignition
3. Turn the key to the **IGNITION ON** position. Watch the LED on the IOH-PRG Module and verify flash codes below.

LED Response	Description
1 flash	Waiting for Ignition... (Turn ignition to ON)
2 flashes	Waiting for Vehicle VIN...
3 flashes	Query Vehicle (Reading/decoding the VIN and vehicle components)
4 flashes	Programming...
5 flashes	Programming Complete
6 flashes	No Programming Needed (Already programmed)
7 flashes	Radio Not Supported (Verify this vehicle is equipped with IOH Radio Code)
8 flashes	Out of Licenses (Contact NAV-TV to purchase more licenses)

4. Wait for radio to **reboot fully**.
5. Cycle the vehicle key once (turn off, wait 5 seconds, turn back to **IGNITION ON**)
6. Verify **6 FLASHES** from LED on module.
7. Disconnect the OBD Harness and module from the OEM OBD2 port.
8. Verify that the radio accepted the program properly by placing the vehicle in reverse. The reverse screen should appear (or black screen if no camera connected yet) when in reverse only.

NOTE: There is NO De-Programming option with the GM IOH-PRG. Once programmed, this system modification will remain forever.

GM IOH-PRG Camera Installation

The camera in the GM MyLink systems connects at the OEM **HMI Module**. The location of this module varies by vehicle.

Known HMI Locations:

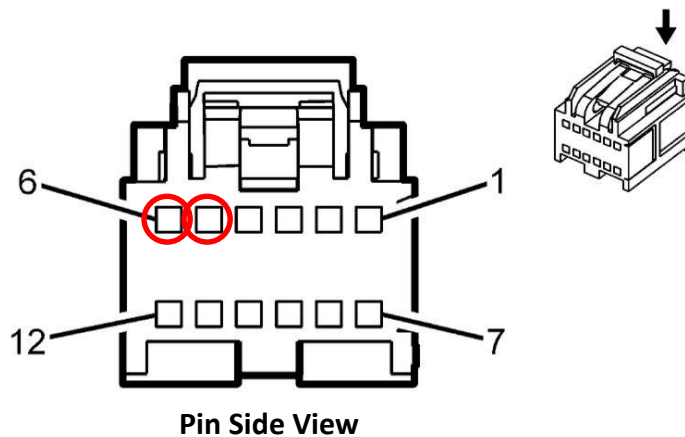
Vehicle	HMI Location
Cadillac ATS/CTS	Directly below glove box
Cadillac SRX	Below/behind glove box
Corvette	Driver's kick panel
GM Truck	Behind glove box - high



Factory GM HMI (Human Machine Interface)

1. Disconnect the gray, 12-pin plug from the OEM HMI circled above.
2. Cut the wires at pins **5 & 6** in half (typically gray/yellow, white/blue), *a few inches from the connector*.
3. Solder the provided **Video Input RCA** to the plug-side of the cut wires as follows:

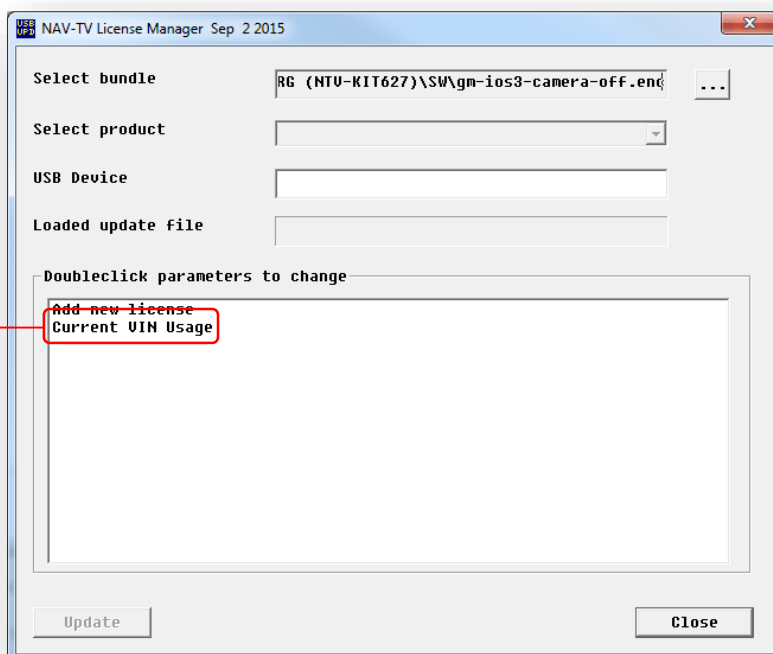
Provided RCA	Factory wires
RCA Center	PIN 5, Gray/Yellow
RCA Shield	PIN 6, White/Blue



4. Reconnect the 12-pin plug back to the HMI module at the proper port.
5. Power your camera, and connect your camera signal to the provided RCA end from step 3. Place the vehicle in reverse to verify the camera image appears clear with no distortion.

GM IOH-PRG USB Updater/Additional Licenses

- To verify that this module has been installed previously, you may download the GM IOH-PRG proprietary USB Updater to check stored VIN's used previously, if any. The downloadable .ZIP file is located on the NAV-TV website: <https://navtv.com/products/category/2/back-up-camera-interface.html> (Use vehicle selector, back-up camera interface solution).
- The GM IOH-PRG features an option for NAV-TV dealers to purchase licenses instead of multiple pieces of hardware, reducing overhead costs. **Contact NAV-TV** (561-955-9770) for more information regarding purchasing one single programmer, allocated for use in 10, 20 or more vehicles. Additional licenses may also be sent via email.



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