

# NAV-TV

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## GM-GVIF

NTV-KIT796



Screen  
Connector



Quick Reference
(GVIF) Video Cables connect at <b>Radio</b>
Power/CAN Harness connects at <b>Radio</b>
Unit requires <b>ACC 12v</b>
<b>Do not power camera with reverse light.</b> Use ACC or purple wire (through relay)

### Overview

The GM-GVIF interfaces a backup camera input (and 1 additional video input) to the factory media screen in select GM vehicles equipped with **Intellilink** (GVIF) media systems. With additional parts, HDMI input is available with this unit. Audio integration uses the OEM AUX input if adding an A/V source.

### Kit Content

#### HD-LINK Optional KIT800



GM-GVIF Interface



Remote



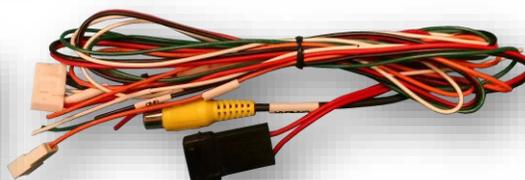
GVIF-IN Video cable



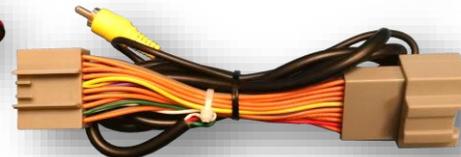
GVIF-OUT Video cable



A/V Input Harness



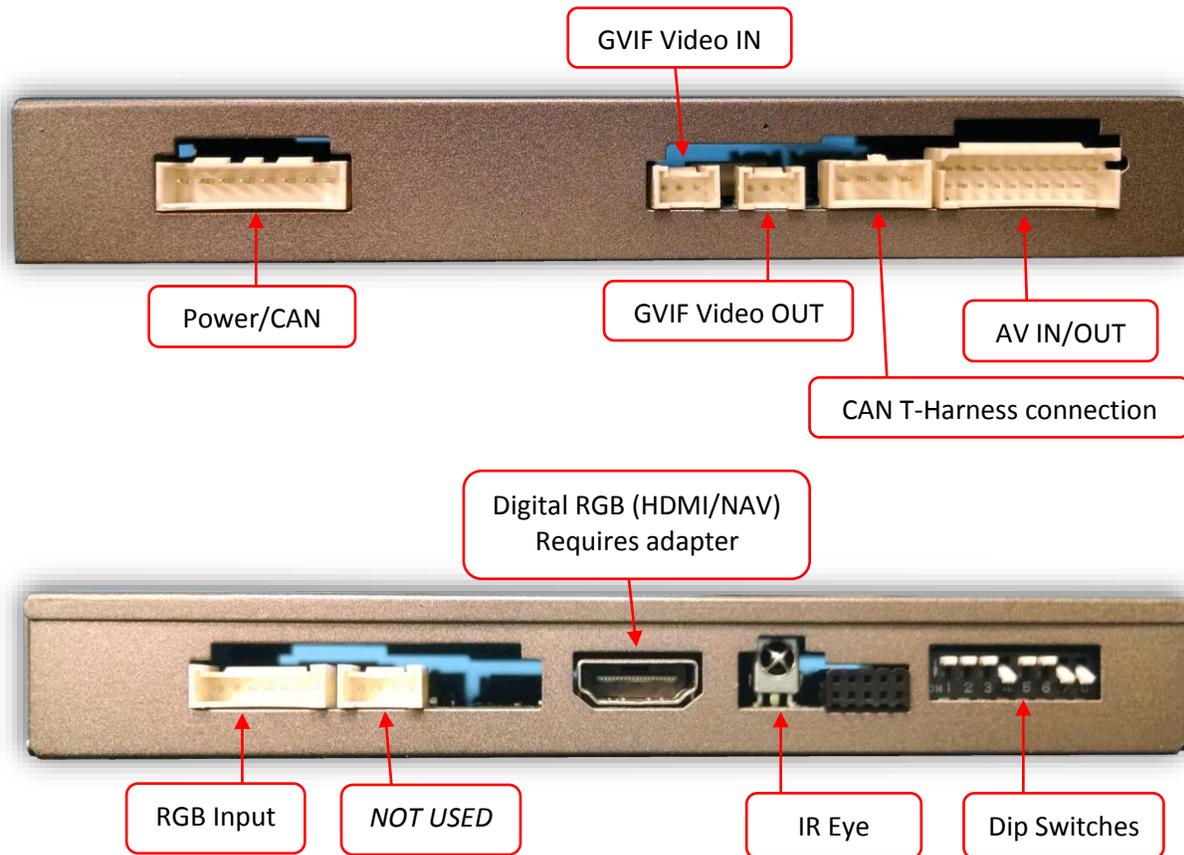
Power/CAN Harness



CAN T-Harness

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Interface Connectors



Dip Switch Settings\* Configure prior to installation

Dip SW:	1	2	3	4	5	6	7	8
UP	NAV OFF	V1 OFF	FC Timer OFF	OEM Camera	NAV OFF	FC Timer OFF	<b>Keep Down</b>	<b>Keep Down</b>
DOWN	ADDING NAV	V1 ON	FC timer ON*	Adding rear cam	ADDING NAV	FC Timer ON*	<b>Keep Down</b>	<b>Keep Down</b>

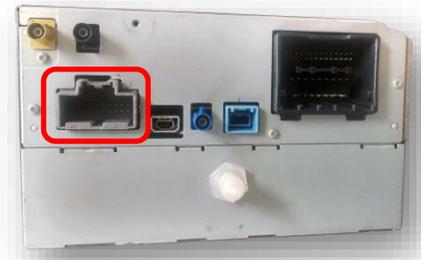
**\*If wanting front cam timer (after reverse), keep Dip Switch 3 & 6 DOWN.**



**Note: If the dip switches are not configured prior to installation you must remove power to the unit prior to making adjustments to the dip switches.**

## GM-GVIF Installation

1. Remove the factory radio (CD player, not the screen). This requires pulling panels and removing a series of screws. Disconnect any associated harnesses and set the radio aside.
2. From the provided power harness, connect the **black** wire to ground (-) and **red** wire to an ACC 12v (+) source (this won't likely be found at behind the radio location, may need to use a cigarette lighter plug for keyed power).
3. Connect the **white** wire labeled 'MMI' to the low-speed GM-LAN wire (at radio, black plug, PIN 14 or OBD PIN 1).
4. From the back of the OEM radio, locate the 20-pin gray plug and connect the provided **CAN T-Harness** between the OEM plug and the radio.
  - a. The other end of this cable connects to the interface at the plug labeled 'CAN1'.
  - b. The Yellow RCA on this harness only gets used if the vehicle already has an OEM reverse camera and you're adding an AUX video source or HDMI, etc. (see diagram, page 4)
5. Connect the provided male **GVIF-OUT** cable directly to the radio unit.
6. Connect the provided female **GVIF-IN** cable to the cable previously removed from the radio unit (heads up to OEM screen).
7. Connect the other ends of the provided GVIF video cables back to the GM-GVIF interface at their appropriate connectors (these are labeled)

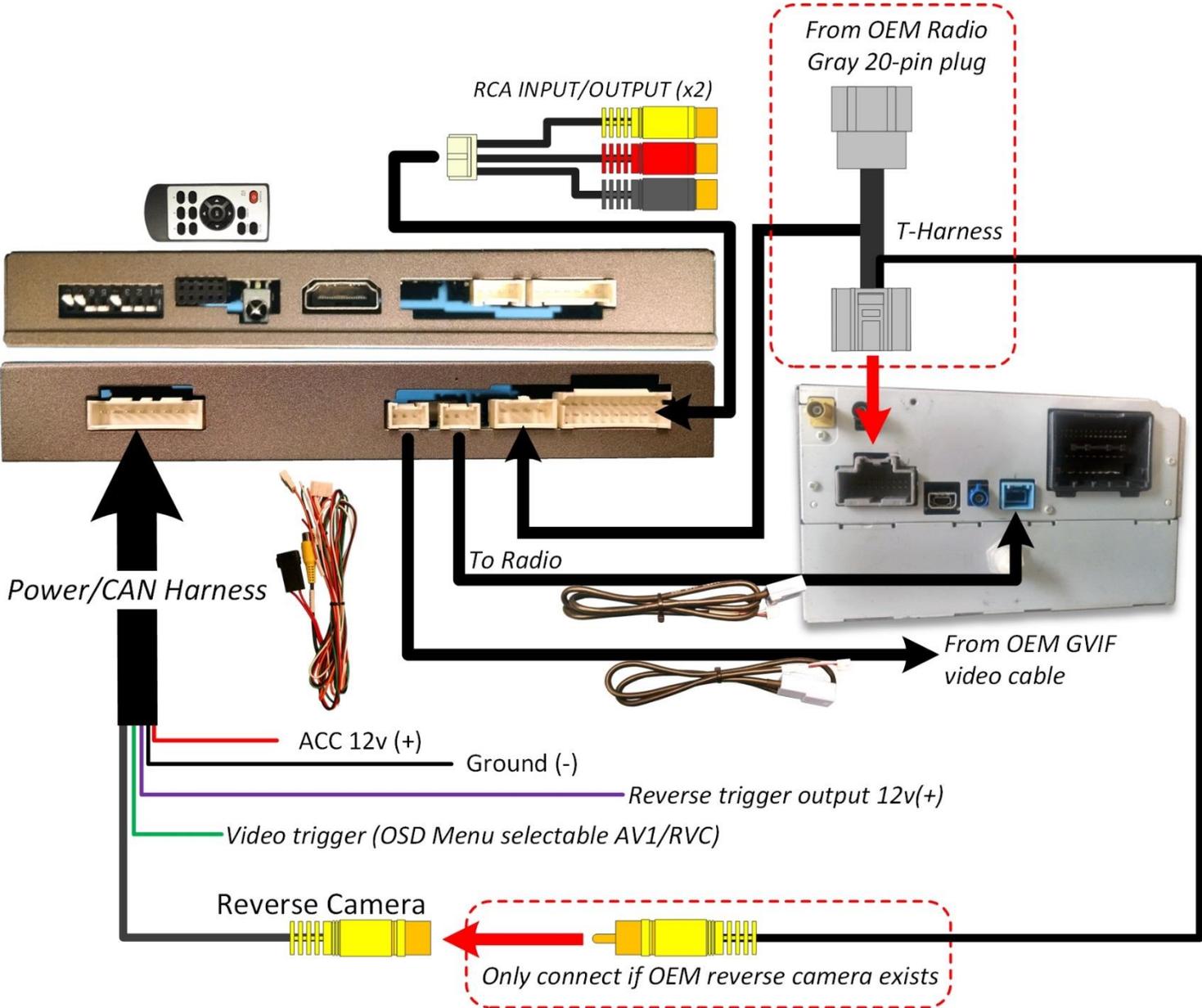


8. Connect the provided **Power/CAN Harness** to the main power plug on the GM-GVIF interface.
9. **Optional:** If adding a front camera or additional AUX video during this install, power it with an ACC source and connect the video signal to the RCA among the provided **AV Input Harness** labeled 'AV2' (yellow).

**NOTE:** To remove parking guidelines when in reverse, perform the following:

1. With the vehicle ON, put the transmission in reverse. The added reverse image must show lines).
2. Using the provided remote (IR receiver is mounted on module), press 'OK' (4x) then 'POWER' (1x)
3. Press 'MUTE' on the remote. The lines should disappear.
4. Place vehicle back into park. Place into reverse gear once more to verify lines are off.

GM-GVIF Connection Diagram



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## GM-GVIF Operation

- After all connections are made and **dip switches set properly**, start the vehicle. Placing the vehicle in reverse will show the connected rear camera with dynamic guidelines displayed onto the media screen.
- If adding an AUX video source (or front cam), this must be activated *by setting DIP SWITCH #2 to ON*. Forcing this camera on at any time is performed by holding the **Voice Command** button or double-tapping **Phone Hang-up** button on the steering wheel. **The module will cycle through video modes in this order: OEM >AV1>AV2>OEM, and will only show inputs that are active.**
- To activate HDMI\* mode or Smart-Link\* (if added), hold the **left edge of the screen** for 2 seconds to activate/return.
- If you want an added front camera to show for 10 seconds after leaving reverse gear automatically, place DIP SWITCH 3 & 6 DOWN as well as DS 2 (as stated above).
- **Additionally, a single press of HOME, RADIO or MEDIA will bring you back to the OEM screen immediately.**

\*requires additional parts. Contact NAV-TV

