

NAV-TV

INTERFACING THE FUTURE

BHM
10/17/18
NTV-DOC248

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

www.nav-tv.com info@nav-tv.com

UConnect-RVC

NTV-KIT705

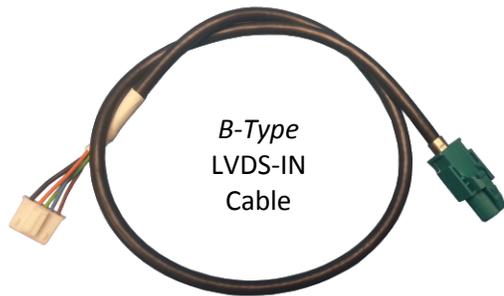


Quick Reference
(LVDS) Video Cable connects at Screen
Power/CAN T-Harness connects at Radio
Unit requires Constant 12v
Do not power camera with reverse light. Use ACC or brown wire (through relay)

Overview

The UConnect-RVC interfaces a backup camera (with dynamic guidelines) and one optional front camera input to select Chrysler or Dodge vehicles equipped with the UConnect 8.4" or 4.3" infotainment screens (RB5, RE2: 8.4", REB, RHA: 4.3").

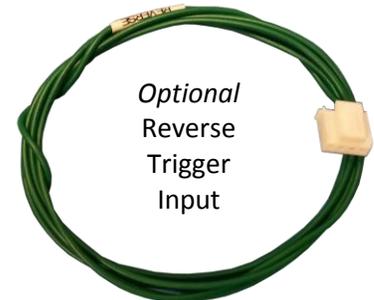
Kit Content



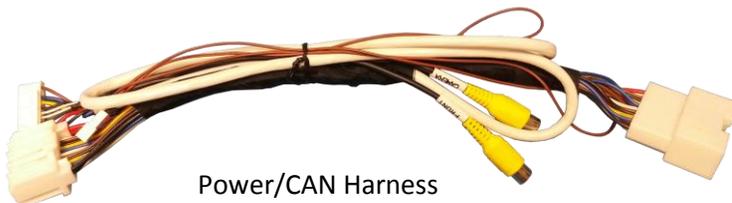
B-Type
LVDS-IN
Cable



UConnect-RVC Interface



Optional
Reverse
Trigger
Input



Power/CAN Harness



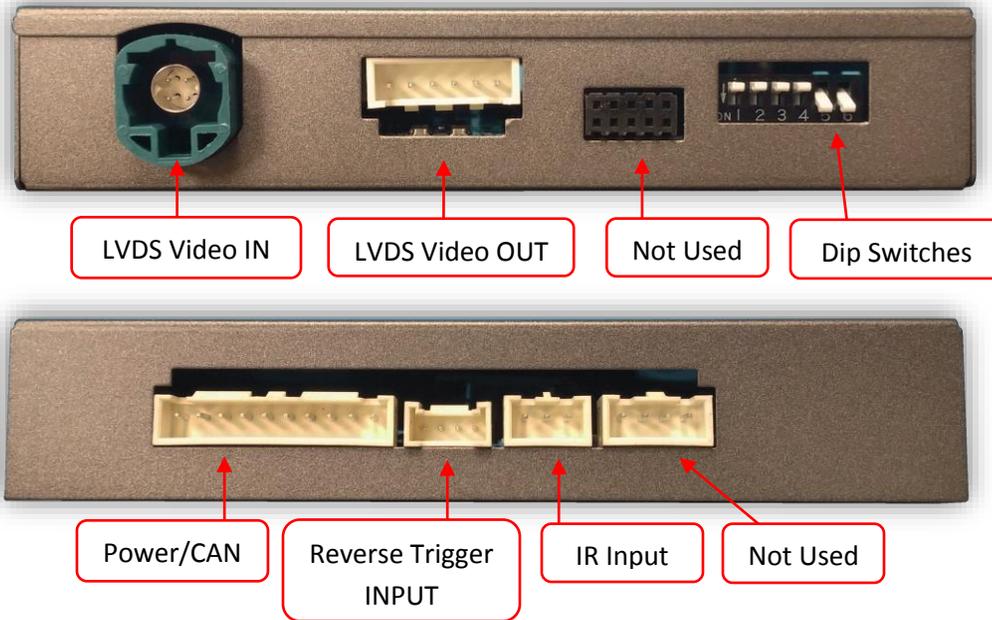
OSD Menu
Remote



IR-Eye
Cable

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.

Interface Connectors



Dip Switch Settings

Dip SW:	DYN LINES	2	3	4	5	6
UP	NORMAL	Keep UP	Keep UP	Keep UP	8.4" Screen	Keep DOWN
DOWN	REVERSED	Keep UP	Keep UP	Keep UP	4.3" Screen	Keep DOWN



Note: remove power to the unit prior to making adjustments to the dip switches.

Dash Disassembly (Journey)

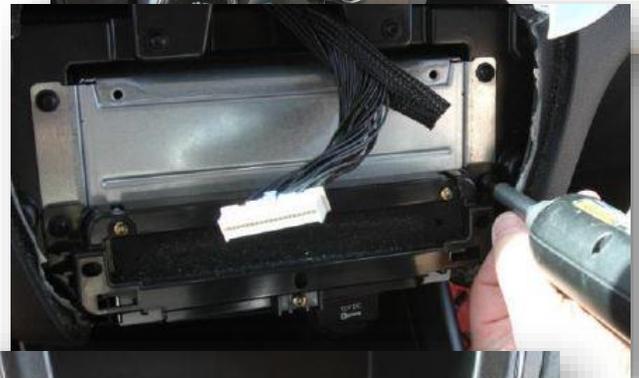
1. Use a plastic pry tool to pry up the plastic trim on the driver's side and passenger side. Pry up just enough to gain access to the T-20 TORX.



2. Remove (2x) Torx 20 screws that secure the HVAC control panel. Remove the HVAC control panel, disconnect all harnesses and set it to the side.



3. Remove (4x) Torx 20 screws which secure the radio stack into the sub-dash. Remove radio, disconnect all harnesses and set it aside.



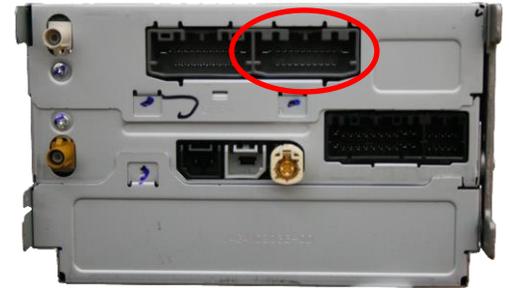
4. Remove (2x) Torx 20 screws which secure the infotainment screen bezel to the dashboard. Remove all connectors and set the screen aside.



UConnect-RVC Installation

ATTENTION INSTALLER: All connections must be made BEFORE connecting the power harness to this unit for proper startup operation.

1. Grab the provided POWER/CAN T-Harness and connect the OEM power plug (white) to the female end.
2. Connect the male end of the T-Harness back to the radio at the appropriate plug.



3. Run the 10-pin (white) POWER/CAN connector (from the provided T-Harness) up to the screen area.
4. Reconnect all remaining OEM plugs to the radio and re-secure it back into the sub-dash.

5. Locate the OEM LVDS Video cable (removed from the screen) and connect it to the port on the UConnect-RVC interface shown here:
6. Connect the provided LVDS Video Cable to the screen (green). Connect the white end of the same cable to the interface at the connector shown here:

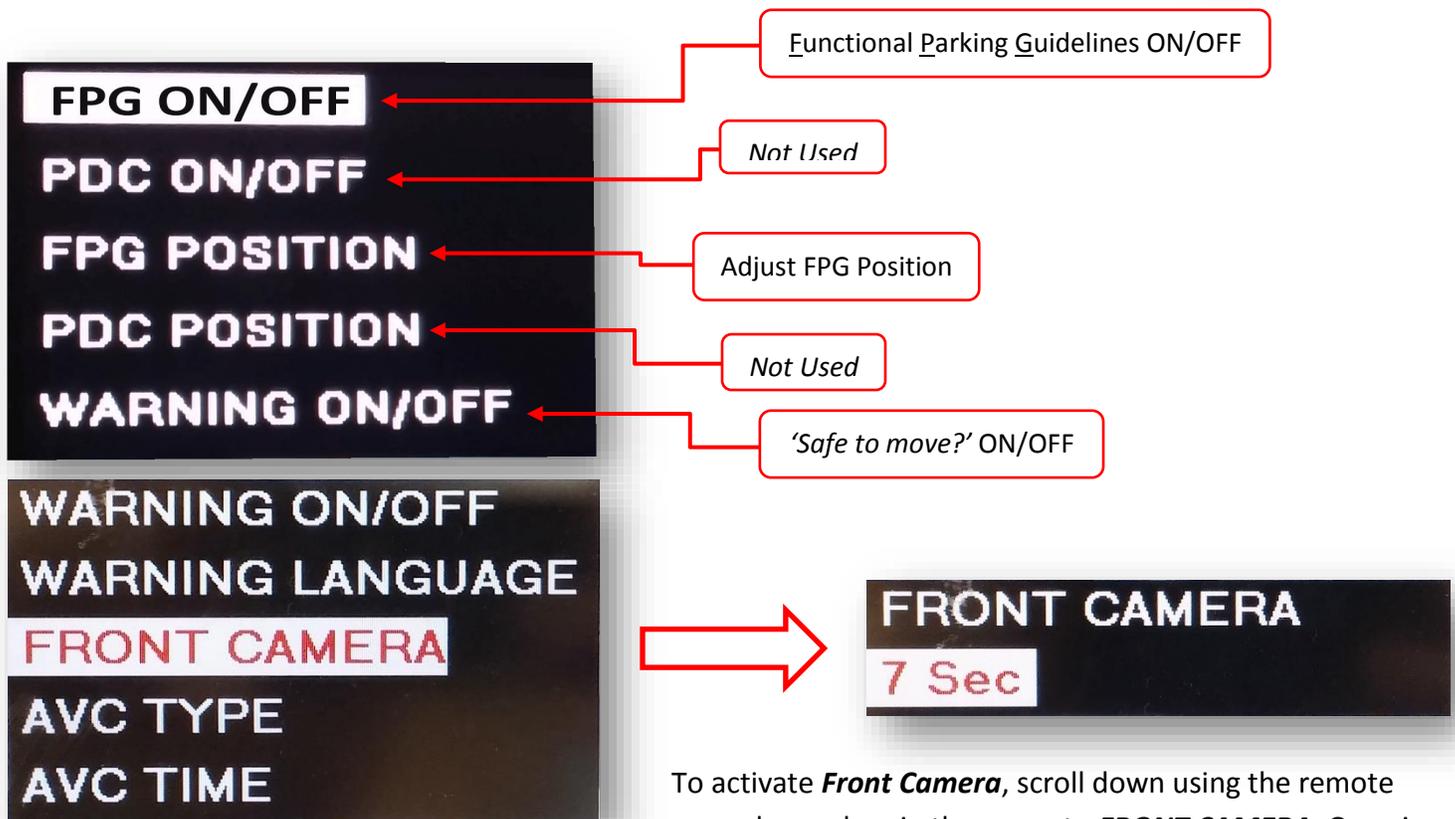


7. **Optional:** Connect the provided Reverse Trigger Input cable to the UConnect-RVC interface at the plug labeled 'CAN2' **only if CAN data does not trigger the reverse screen properly.**
8. Mount and run your reverse camera to the interface location. Power your camera with an ACC 12v (+) source, or you may use the **brown wire** (cut connector off) located on the Plug & Play T-Harness **for reverse 12v (+) output only.**
9. Connect the reverse camera signal to the RCA among the T-Harness labeled 'CAMERA'.
10. **Optional:** Connect front camera signal to the RCA labeled 'FRONT'. **This interface's video input is ONLY intended for a front camera, not an AUX Video source! See next page for setting up front camera.**

Menu Adjustments

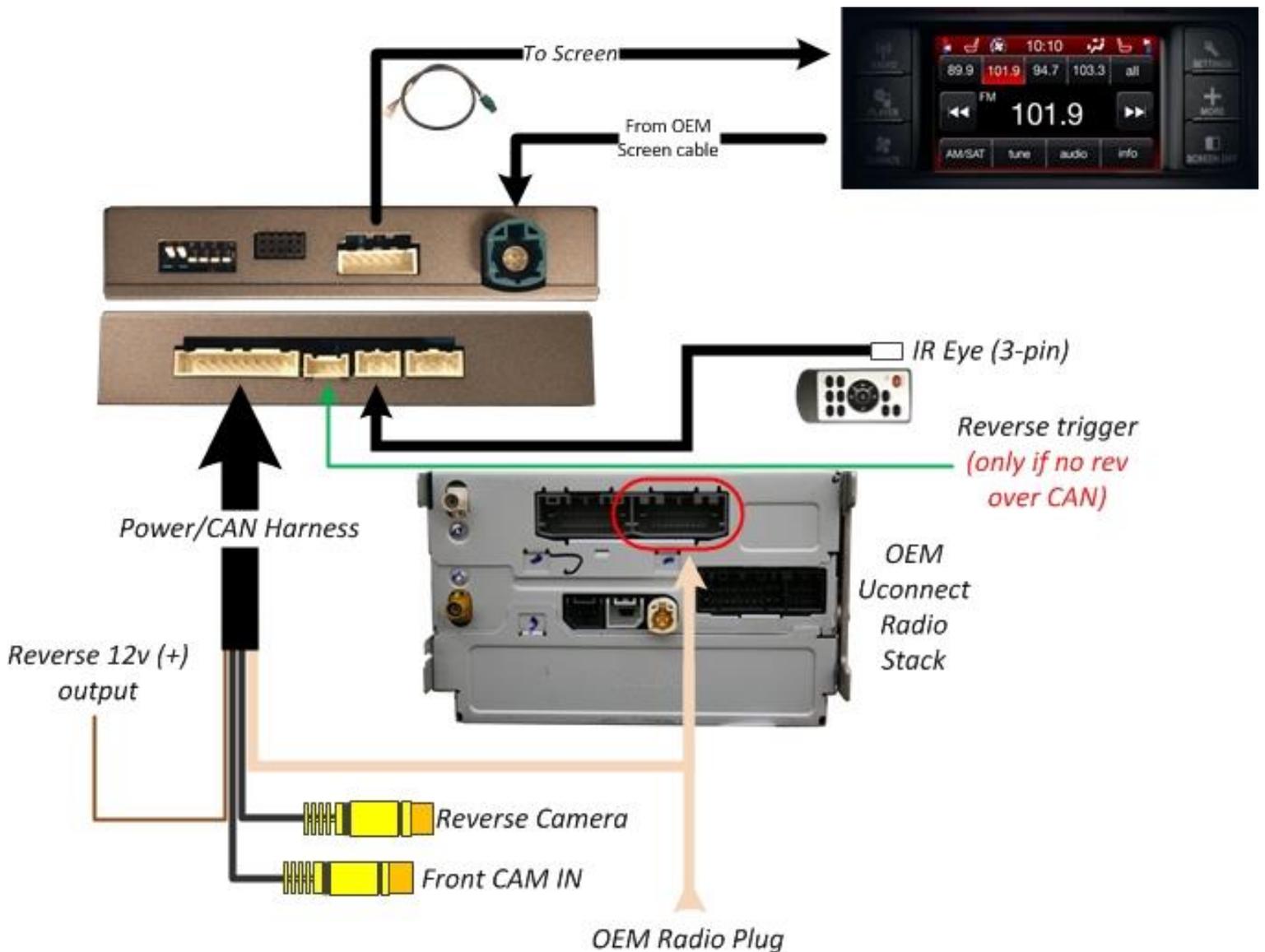
Before you start:

1. The IR-Eye must be connected
2. Make sure the car's ignition is on and radio is on
3. You must be in **Reverse Camera** mode (place vehicle in reverse)
4. Press the **OK BUTTON 4 times** (numbers will display per press), then press **POWER**.
5. The **OSD Menu** will appear on screen (auto-time out in about 5 seconds if no action occurs).



To activate **Front Camera**, scroll down using the remote arrow keys when in the menu to **FRONT CAMERA**. Once in this setting, press OK and choose between 5, 7, 9, 11 or 20 seconds for **auto-front switching timeout** (once the vehicle leaves reverse gear, the front camera input will stay active for pre-defined amount of time). *NOTE: this is the only way to add a front camera with this module.*

Installation Diagram



UConnect-RVC Operation

- Once all connections have been properly made, placing the vehicle in reverse will show the connected rear camera image with Dynamic Guidelines which correspond with the steering wheel geometry.
- If a front camera was added and **Automatic front-camera switching** was turned on, whenever the vehicle leaves reverse (after showing reverse image once) the connected front camera will display for the user-set amount of time (5, 7, 9 or 11 seconds).

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.