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NAV-TV
INTERFACING THE FUTURE
3950 NW 120th Ave, Coral Springs, FL 33065 TEL 561-955-9770 FAX 561-955-9760

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

UCT-84 REAR CAM

NTV-KIT487

Overview

Allows video to be displayed while the vehicle is in motion and integrates rear camera input on select Chrysler uConnect 8.4” Touch screen equipped vehicles.

Kit Contents

USB Cable
NTV-CAB009

UCT84 Module
NTV-ASY166

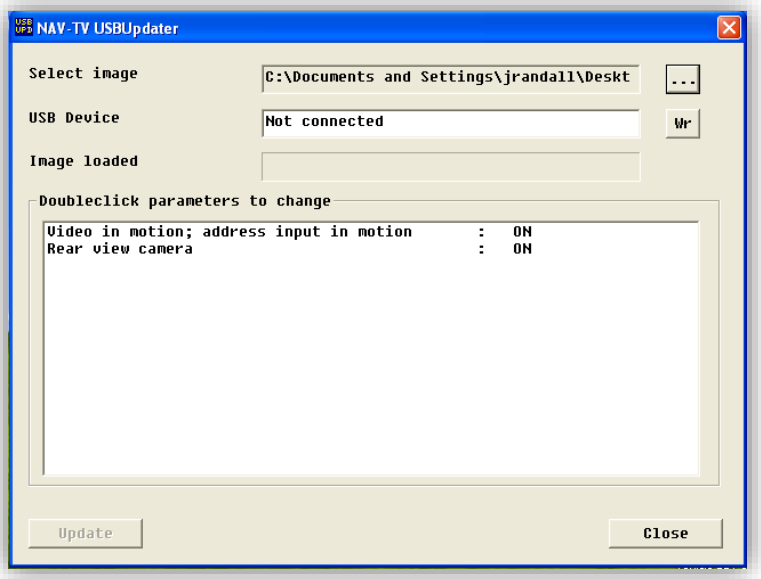
DIFF-CAM
NTV-ASY185

Plug & Play Harness
NTV-HAR050

Diff Cam Harness
NTV-HAR186

UCT84 Programming

The module is shipped with Video in Motion (VIM) enabled and backup camera enabled. Any changes to the module's configuration should be done before installation. The files needed to change the configuration can be found at http://www.navtv.com/page/19/downloads.html. Be sure to follow installation instructions of the software prior to connecting the module to your computer.

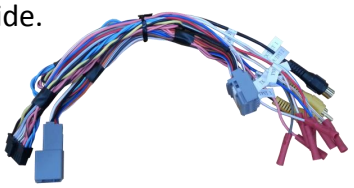


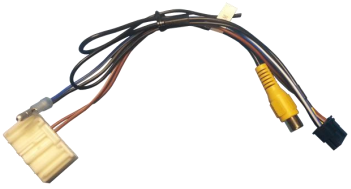
Video in motion; address input in motion: In the "ON" state, video from the DVD player will be available while the vehicle is in motion. Along with navigation input in motion and Bluetooth control.
If this feature is disabled, all the above features will work in the factory operation.

Rear view camera: In the "ON" state, the backup camera port is available. When the vehicle is placed into reverse the screen will display the backup camera image (requires optional camera harness).

Installation

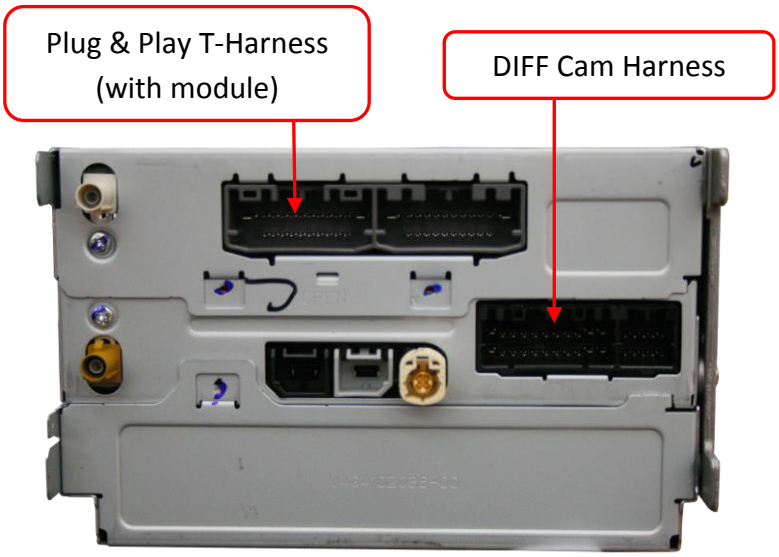
1. Remove the **radio** (only) from the dashboard. This usually requires pulling some panels and a series of screws will hold the radio into the sub-dash.
2. Disconnect all harness from the radio and set the radio aside.
3. Connect the male end of the ***car's main radio harness*** to the female end of the supplied Plug and Play T-Harness.
   a. Connect in the provided ***DIFF Cam Harness*** (see **figure 1** on the next page) to the radio.
   b. Connect the camera's signal RCA to the female RCA labeled 'R CAM'.
   c. Plug the DIFF Cam R1 board into the 14-pin connector located on the DIFF Cam harness.
   d. Connect the Blue/White wire (combined with Gray/Black wire) to ***Output 2*** of the UCT84 module (White/Blue, pin 12).
   e. If using ***Output 1 (ACC OUT, White/Red, pin 11)*** from the UCT-84 to power the camera, be sure to utilize a relay!





4. Plug the UCT84 module into the 18-pin connector attached to the plug and play harness from step 3.
5. Plug the male end of the supplied plug and play harness to the radio.
6. Reconnect the remaining plugs, remount and test for proper operation.

Fig 1



Rear of uConnect radio

UCT-84 Module Pin Out

Pin #	Description	Color
1	12v Constant Power (+)	Yellow
2	Input 1 (Send 12v for VIM Disable)	Red
8	CAN HI (Radio side)	Pink/Black
9	CAN HI (Car side)	Blue
10	Ground (-)	Black
11	Output 1 (ACC out @ 1 amp)	White/Red
12	Output 2 (Reverse out @ 1 amp)	White/Blue
13	Output 3	White/Purple
17	CAN LO (Radio side)	Pink
18	CAN LO (Car side)	Blue/Black

Wire side

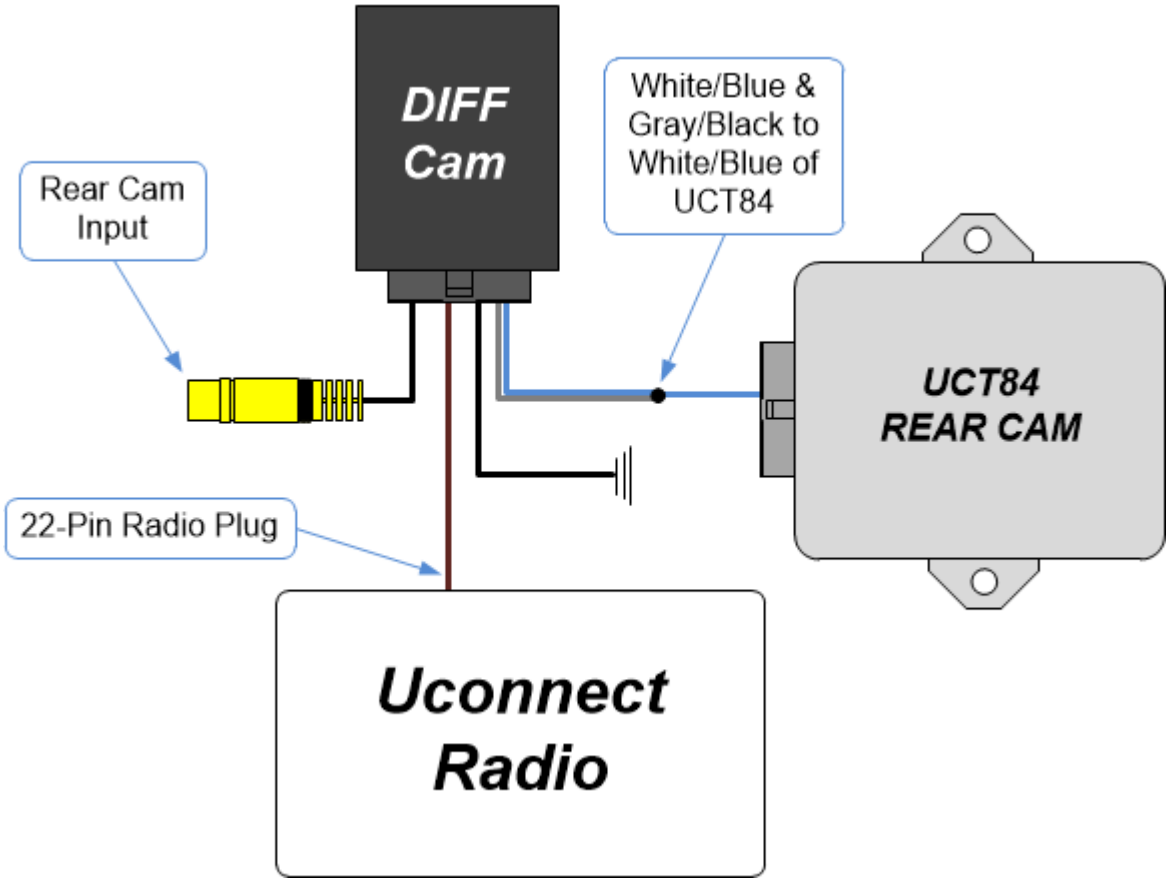
DIFF-CAM Pin Out

Pin #	Description	Color
3	Ground (-)	Black
6	Reverse Input (combines w/ pin 8)	Gray/Black
8	Reverse Input (combines w/ pin 6)	Blue/White
9	Composite Shield	[shield]
10	Composite Signal	Yellow
12	DIFF (+) to radio	Brown/White
13	DIFF (-) to radio	Brown

Wire side

If using ***Output 1 (ACC OUT, White/Red, pin 11)*** from the UCT-84 to power the camera, be sure to utilize a relay!

UCT DIFF-CAM Diagram



UCT84 REAR CAM Operation

Video in motion is always enabled, no user interaction is required.

Video in Motion will allow:

- DVD video to be displayed while the vehicle is in motion
- Navigation input while moving
- Bluetooth operation

***Note:** Navigation-based speed indication will not be available **while VIM is active**.*

Rear view camera is enabled through the module programming before installation.

Forced backup camera is not currently supported. This may be available in a future update. It will currently only work in reverse.