

Dual Camera Interface for Ford MyTouch 8" Display Screen (Kit # 9002-2781)

Please read thoroughly before starting installation and check that kit contents are complete.

Items Included in the Kit:

Interface Module
Factory connector T-harness
Dual Camera input harness
4 to 6-pin bypass harness
These instructions

Tools & Supplies Needed:

Wire strippers
Wire cutters
Electrical tape
Zip ties
Plastic panel removal tools
Digital Volt Meter / BCM safe test light
Screwdriver
Socket set
Wrench

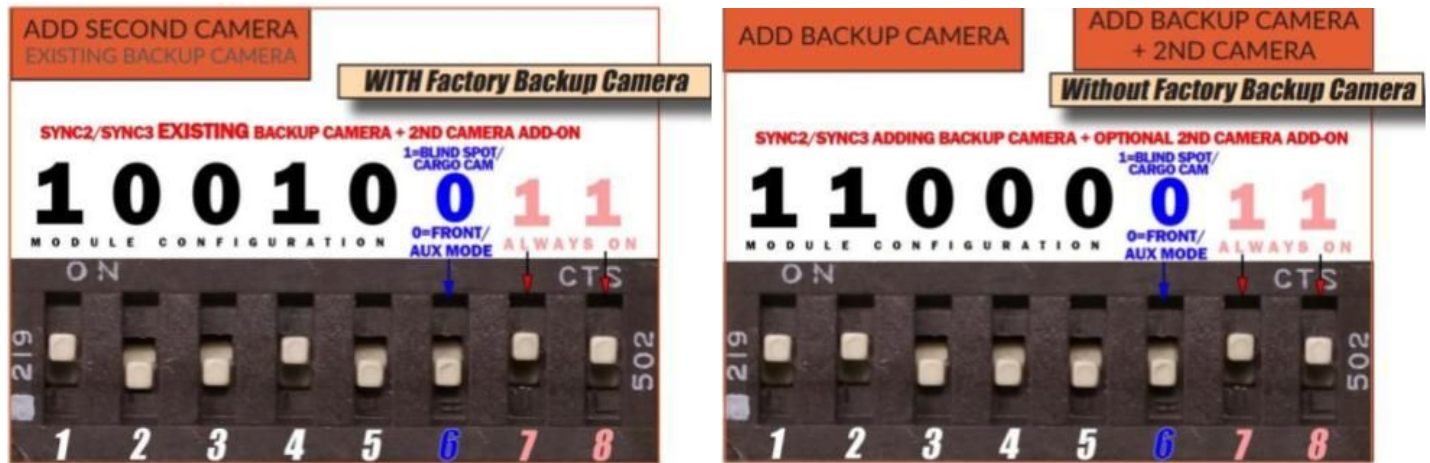


Safety Precautions:

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.

NOTE: We strive to provide accurate and up-to-date installation instructions. For the latest full color instructions, as well as an installation video, please visit www.brandmotion.com

To set the DIP switches, refer to the graphic below. **DIP switches 1-5 set the main configuration.** The 6th dip switch sets camera behavior. 7 and 8 should be in the ON position.



DIP Switches must be set before installation while the module is NOT connected to power for the module to work properly.

1. Remove the trim around the screen/display in the dash.



2. Remove the (4) 7mm bolts holding in the screen/display. Pull screen forward out of dash.



3. Remove the large plug to the left of the screen by lifting the handle like plug.



4. Plug the T-harness into the back of the screen where the factory harness was just removed. Make sure the handle is locked back in the down position.



5. Plug the female end of the T harness into the factory harness. Make sure the handle is locked back in the down position.



6. Remove (if plugged in) the 4-pin to 6-pin adaptor. It is not needed for installation.

INSTALLATION INSTRUCTIONS

7. Connect the 6-pin harness to the 9002-2781 module. On the other side of the module connect the 12-pin harness.
8. For vehicles with factory backup cameras-- disconnect the male and female RCA on the 6-pin harness and connect the OEM CAMERA output RCA to the REAR CAM input RCA on the 12-pin connector. Connect the Camera input RCA from the 6-pin harness to the CAM output RCA on the 12-pin connector.
9. For a vehicle with an aftermarket backup camera-- disconnect the male and female RCA on the 6-pin harness and **do not** use the OEM CAMERA. Connect the aftermarket camera RCA to the REAR CAM input RCA on the 12-pin connector. Connect the Camera input RCA from the 6-pin harness to the CAM output RCA on the 12-pin connector. **See page 6 for programming instructions****
10. For front camera or blind spot camera-- connect the camera RCA to the RED RCA AUX CAM input
11. To power any of the aftermarket cameras you can use the power output on the 12-pin connector. RED is 12V accessory and BLACK is ground. DO NOT use reverse to power any camera. Using vehicle ignition/acc is highly recommended over the module power outputs
12. GREEN is for a negative or 12v+ trigger input
13. When using the 9002-2781 as a front camera input. (*DIP switch #6 off*) The module will shut off the video input at 7MPH. If using the 9002-2781 as a blind zone/ cargo camera input, (*DIP switch #6 on*) it requires a trigger (positive or negative) from the turn signal wire of the vehicle or from a switch and will stay on for 20 seconds.

INSTALLATION INSTRUCTIONS

MyTouch Installation

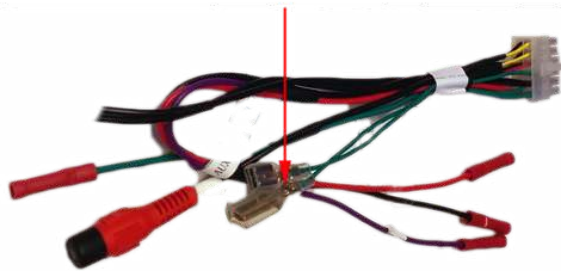
The auxiliary camera can be activated by pressing and holding the "OK" button for 3 seconds on either the radio controls or the steering wheel controls. A simple press of the OK button will exit Front/Cargo/Blind Spot camera modes. (*On most vehicles*)

For manual/hardwire activation, use the green wire to connect to a ground activation to enable the auxiliary camera. For blind spot use, use the blinker wire to activate a relay to drive a ground signal to the green wire of the module. The module is set to accept a pulsing input for this signal.

For front camera use, the module can be wired to a ground switch or to an accessory capable of providing a ground output such as curb sensing accessories.

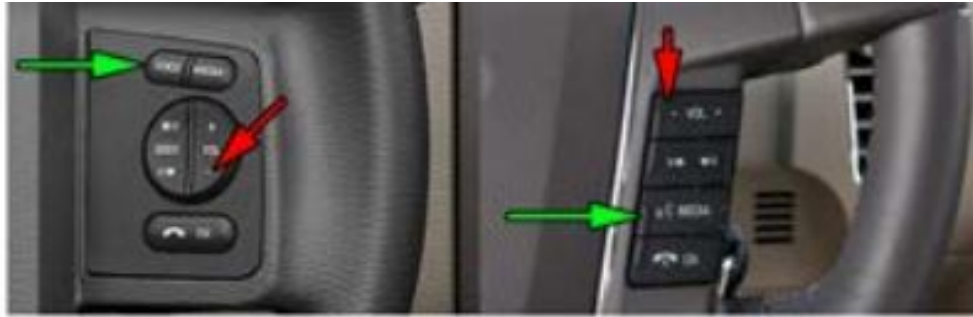
14. Verify correct module DIP switch configuration (See Page 2).

PROGRAMMING INITIATION JUMPER WIRES



**** Two green wires not used.**

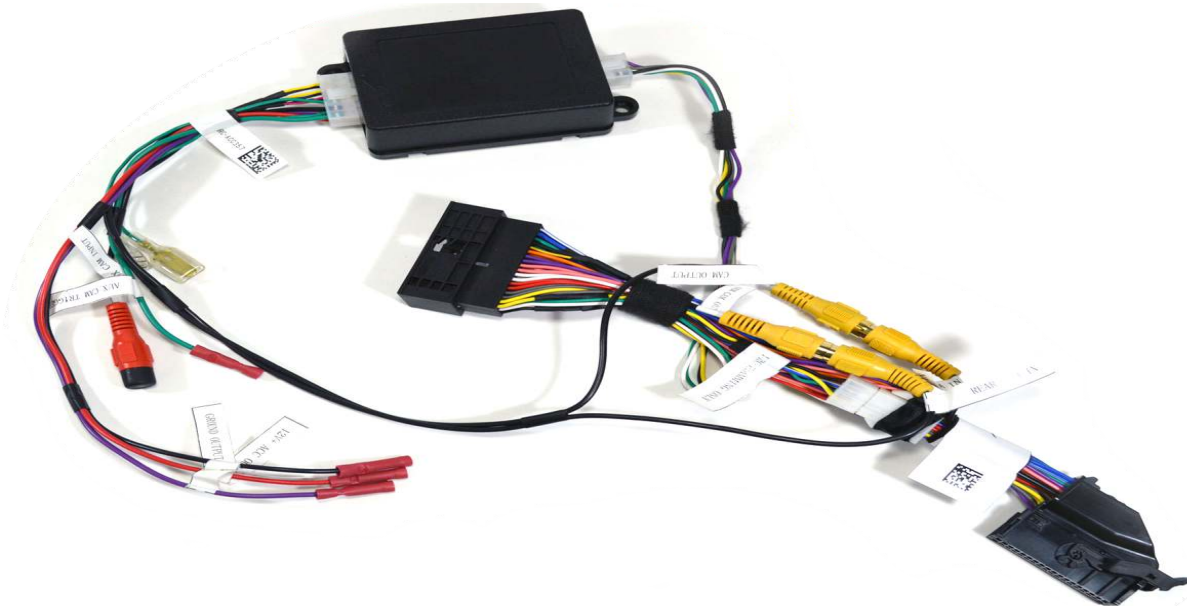




Note:

On some vehicles, such as F-Series SuperDuty, the OK Button will not activate the AUX camera.

*Press and hold the **SYNC Voice Command** button to enter the auxiliary camera and **Volume Down** to exit.*



Connections:

Connect RCA connectors as labeled. There is also a ground/12v+ activation trigger to be used to activate the camera.

Behavior:

Front/Aux Camera Mode (DIP Switch # 6 OFF): This kit will only function up to 7MPH in Front Camera Mode. This mode is for off-road use **only**. It is not to be used as a driving aid on public roads. At 7MPH the manual activation is disabled.

Blind Spot/Cargo Camera Mode (DIP Switch # 6 ON): The kit will work at any speed while in Blind Spot/Cargo camera mode, but will only work for up to 30 seconds at a time.

ARC-357 Configuration Tool

Use the ARC 357 Configuration tool to set custom options for your custom install

- For **Blind Spot Camera** installations, enable automatic blind spot activation in compatible vehicles, adjust maximum camera on time. (*DIP Switch #6 should be set to ON*)
- For **Cargo Camera** installations, disable backup camera priority to allow the cargo cam to be used when lining up a trailer or camper.
- For **Front Camera** installations, adjust maximum speed that camera can operate at (*DIP Switch #6 should be set to OFF*)

**Requires Micro-USB Cable (Not included)*

Update firmware, check VIN lock, set custom options, and more!

Free download on
www.Arc12Volt.com



Adding Backup Camera Programming Instructions

1. With vehicle ignition OFF and the T-Harness installed on the back of the display, connect the 6-pin jumper labeled A1 to the module.
2. Turn vehicle ignition to ON/RUN. Do not start the vehicle
3. Program will automatically initiate. You should see the display reset twice. "Traction Control Disabled" will be displayed on the cluster to show that the program has been completed
4. Turn vehicle ignition OFF, remove A1 from the module and remove jumper J1 from harness.
5. Connect module to A2. The module will reside on this connector for normal operation
6. Test programming by placing your foot firmly on the brake and switching the vehicle into Reverse.
7. If the program was unsuccessful, check dip-switch settings and repeat steps above.

