

**Dual Camera Interface for GM 4.2" and 8" screens
(Kit # 9002-2784)**

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

Items Included in the Kit:

Interface module
Video 1, video 2, and camera input harness
CAN power box w/12-to-6-pin harness
LVDS screen/display T-harness
Aux audio harness
Audio push button switch
Cadillac 16 pin T-harness
GM 10 pin T-harness
Video Y-RCA

Tools & Supplies Needed:

Phillips screw driver
7mm socket
10mm socket
Wire strippers
Wire cutters
Zip ties
Electrical tape
Plastic panel removal tool

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



1. Please make sure that your system has a GM 4.2" or 8" display screen.



2. Remove trim from dash to access the screen/display.
3. Remove the (4) 7mm bolts that hold in the screen/display to the dash.
4. Unplug the factory LVDS (video) cable from back of the screen/display and plug into the female plug on the LVDS T-harness.
5. Plug the male side of the LVDS T harness into the screen/display where the factory cable was unplugged.
6. Run the 8-pin plug from the LVDS to the interface module and plug in.
7. Determine the correct power harness needed for the vehicle, either the 16-pin or 10-pin T-harness. The power harness connector will be located on the back of the screen.
8. Unplug factory power harness from the screen and plug into the female side of the T power harness.
9. Plug the male side of the T-harness where the factory power harness was removed in previous step.
10. Plug the 6-pin plug from the power harness into the CAN power box.
11. Run the 6-pin white plug from the other end of CAN power box to the interface module and plug in. Also plug in the small 8-pin white plug next to the 6-pin plug.
12. If using the 9002-2784 to add a front facing camera, a negative input to the WHITE wire marked "NEGATIVE FRONT CAMERA TRIGGER" triggers the front video input. It can be triggered with our Park View Pro (part number **5000-CA6**.)

13. If using the 9002-2784 to add a front-facing camera with the factory rear camera, a negative input to the **WHITE** wire marked "NEGATIVE FRONT CAMERA TRIGGER" triggers the front video input. Also, cut the **GREEN** wire loop by the black CAN module.
14. If using the 9002-2784 to add a front and rear camera to the vehicle: For the front camera, a negative input to the **WHITE** wire marked "NEGATIVE FRONT CAMERA TRIGGER" triggers the front video input. For the rear camera, connect the rear camera RCA to one of the female sides of the video Y-adaptor included in kit. Plug the front camera video RCA into the other female side of the video Y-adaptor. Plug the male side of the video Y-adaptor to the RED video RCA labeled CAM IN. (The rear camera must be powered from reverse 12 volts.)
15. The red wire can be used for accessory power for the camera. The black wire can be used for ground to the camera, from the 6-pin white plug that was just plugged in. Strip the wires back and splice them in, then wrap with electrical tape. (See Figure 1.)
16. Plug the video harness into the interface module.
17. Mount or zip tie interface module into dash or under dash securely.
18. The audio harness does **NOT** need to be used in this application.
19. The audio switch does **NOT** need to be used in this application.
20. Make sure vehicle is in PARK and all connections and plugs are connected.
21. Start vehicle, press brake, and pull vehicle into REVERSE to check camera.



22. The interface module will generate dynamic parking lines on factory screen/display. Adjustment instructions are included in this document.
23. Reassemble the vehicle in reverse order.

For Cadillac vehicles equipped with CUE, use the 8-inch screen settings.

DIP SWITCH SETTINGS (4" and 8")

(WHEN ATTEMPTING TO ADJUST DIP SWITCHES, MODULE MUST BE UNPLUGGED FROM POWER PRIOR TO DOING SO)

PLEASE CONFIRM DIP SWITCH POSITIONING PRIOR TO PERFORMING INSTALLATION

WHEN MODULE IS USED FOR REVERSE CAMERA ONLY

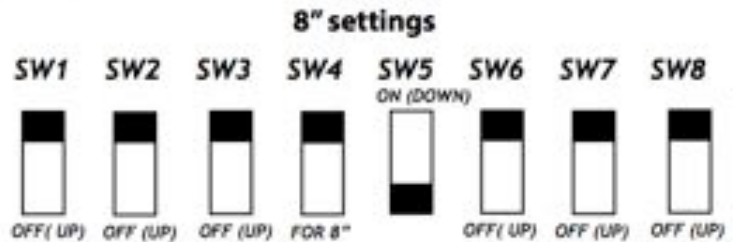
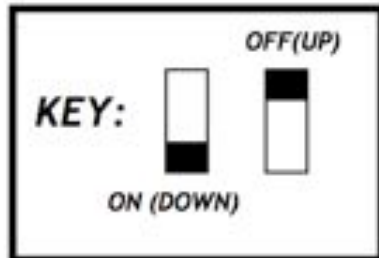


Figure 1.

The 6PIN power connector signal definition between the Can box and interface box:

- YELLOW:** power supply of 12V BATT.
- RED:** generated ACC (=12V when key in ignition state); when=12V, the interface works.
- BLACK:** Ground to Chassis.
- GREEN:** Can box generated reverse trigger signal [when =12V the reverse video is enabled]
- WHITE:** Can box generated switch signal wire, when=12V, this interface switches. [max.25V]
- GRAY:** CAN box's communication with interface on sharing control signal to DVD/TV on this wire.[if we do not need to idrv to control DVD/TV/IPOD, this wire may be cut off.]

How to Adjust Right and Left Parking Guides:

DOWN or MINUS →
UP or PLUS →
MENU →



The module box has 3 side keys (highlighted in the red circle above). These are used to tune the picture display and fine-tune the parking guidelines. Some versions of the module box have the keys labeled on the top of the module.

ON SCREEN MENU SETTINGS:

Guide CTRL: the installer can set **ON** or **OFF** to enable or disable the on-screen parking guidelines.

Guide L: adjusts the left guideline offset on screen. When the value changes, the left guideline moves its location. Use the UP/PLUS and DOWN/MINUS keys to adjust the guidelines position.

Guide R: adjusts the right guideline offset on screen. When the value changes, the right guideline moves its location. Use the UP/PLUS and DOWN/MINUS keys to adjust the guidelines position.

****You MUST move the steering wheel for the adjustments to take effect and display on the screen****

With this combination, the guideline can always fit the car and show the safety area no matter which camera the installer uses.

FAQ:

Q: I adjusted the Guide L or Guide R and the line did not move.

A: After every adjustment in value, the installer needs to turn the steering wheel to see the adjustment of the associated guide implemented on the screen.

Q: The on-screen menu on the 4.2" screen is hard to read or unreadable.

A: Re-cycle the menu on and off the screen. Wait 5-10 sec. for the menu to time out. Then use the "Menu" key again to initiate the menu.