

**Backup Camera Interface for BMW with 6 radio presets
And w/ dynamic park lines
(Kit # 9002-2774)**

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

Items Included in the Kit:

9002-2774 module
Power/CAN Video input T-harness
LVDS Video cable
IR eye harness
Remote
These instructions

Tools & Supplies Needed:

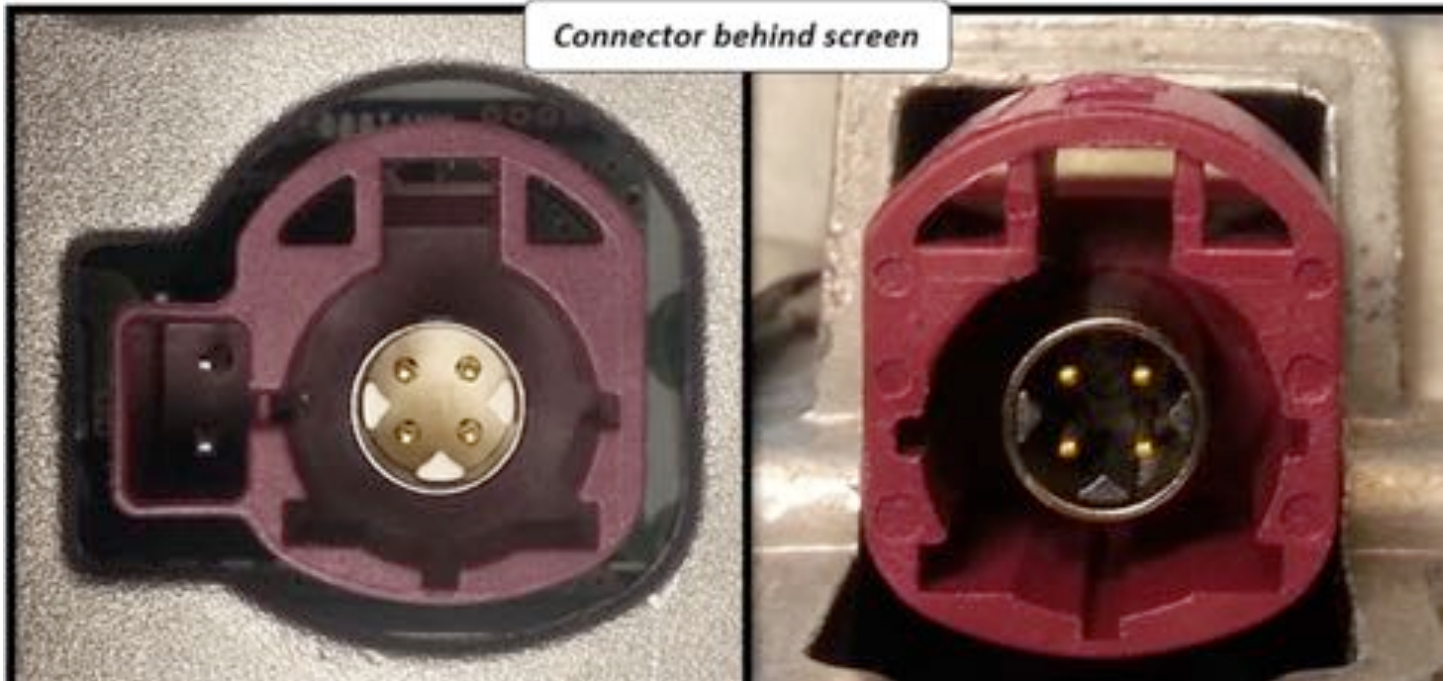
Wire strippers
Wire cutters
Electrical tape
Zip ties
Plastic panel removal tools
Screwdriver
Socket set
Wrench
Torx driver set

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





THIS CONNECTOR REQUIRES 9002-2773

Dash Disassembly (5 series)

1. Remove the trim that surrounds the center vents and extends over the glove box with a plastic panel removal tool. There should be no screws holding this trim in.



2. Remove screws holding in the factory screen. Remove the plugs that are plugged into the screen.

THIS CONNECTOR REQUIRES 9002-2774

3. The Power/CAN connection will be made at the back of the screen. Pull screen to first to see if 8-pin connector is there and check fitment of 9002-2774 8-pin connector.



4. Plug the 8-pin connector from the T-harness in to the back of the screen.

5. Plug the LVDS round 4 pin connector into the back of the screen.



6. Connect the female side of the T-harness to the factory plug in the dash.



7. Route the T-harness to the bottom of the radio opening.
8. Route the LVDS connector that was unplugged from the screen to the radio opening.
9. Route the LVDS video harness to the radio opening. Reinstall the screen.
10. Connect your camera RCA to the Yellow RCA on the Camera harness labeled CAMERA.

INSTALLATION INSTRUCTIONS

11. Before plugging in the 9002-2774 module, configure the dip switches on the last page.
12. Plug in Power/CAN input harness to the connector labeled POWER CAN.



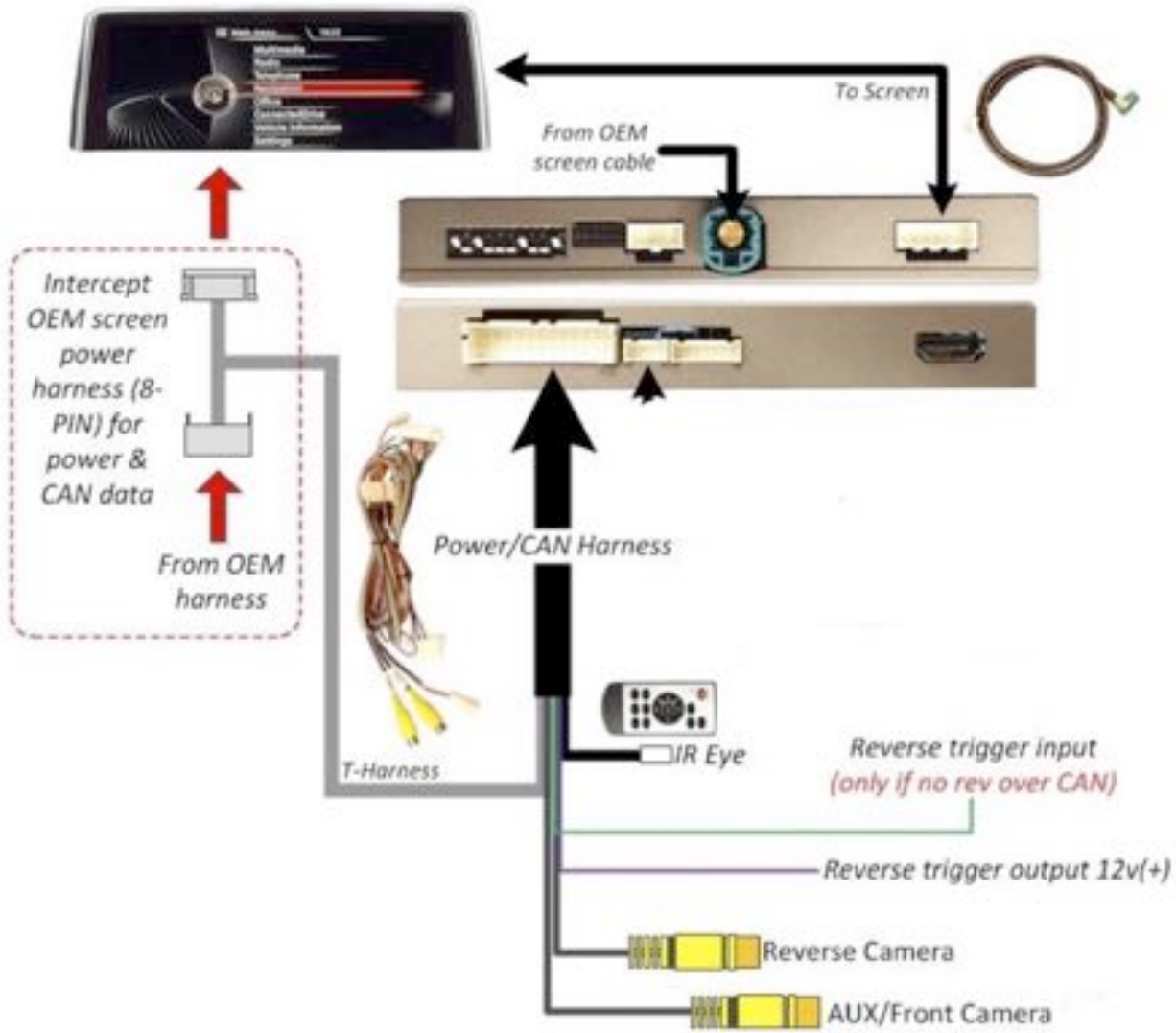
13. Plug in the LCD Video cable to the connector labeled LCD OUT.



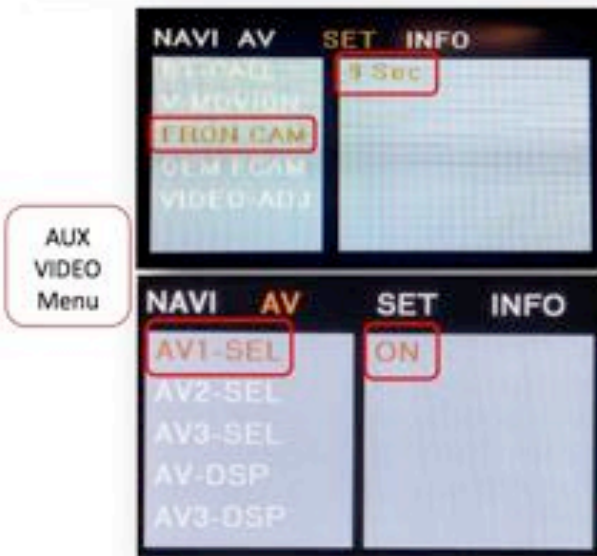
14. Plug in the factory LVDS into the connector labeled LCD IN.



15. You can mount the 9002-2774 module to the bottom of the factory single DIN radio with double sided tape.
16. The IR eye and remote will not be used. The 9002-2774 has already been configured. **(The eye and remote are only need for the front camera setup.)**
17. Check to see if the camera image is displayed on the factory screen. By placing the vehicle in reverse.



- The IR-Eye must be connected
- Make sure the car's ignition is on and radio is on
- You must be in **Reverse Camera mode** **OR** **AUX Video mode** (see below):
 - **Reverse Camera Mode** adjusts Reverse Camera Settings
 - **AUX Video Mode** adjusts AUX Video Settings
- Press the **OK BUTTON 4 times** (numbers will display per press), then press **POWER**.
- The **OSD Menu** will appear on screen (auto-time out in about 5 seconds if no action occurs).



If adding a front camera OR Aux Video source:

1. Disconnect POWER/CAN Harness from interface
2. Place DIP SWITCH 1 in the DOWN position, reconnect power
3. Press and hold the iDRIVE knob 'MENU' to activate the AUX screen
4. Press **OK** button on remote 4 times, then press **POWER**

SET – FRON CAM must be turned on if adding a *front camera* and the user wishes for *automatic front camera switching*. Options for 5, 7, 9 or 11 seconds are user-selectable for the length of time the front camera input stays active once the vehicle is placed out of reverse.

If the user wants only an AUX video input *without front camera*, set **AV1-SEL** to **ON**

Once finished with settings, place DIP SWITCH 1 back into the **UP position** and reset power to interface.

- Once all connections are made and dip switches are set properly, placing the vehicle in reverse will display the connected camera with dynamic guidelines for convenience.
- Additionally, see below for AUX/Front camera activation using factory buttons.



Dip SW:	1	2	3	4	5	6	7	8	9	10
UP	KEEP UP	SKIPS V1	SKIPS V2	RVC OFF	KEEP UP	CAN (OLD)	VEH SETTING	HIGH RES	VEH SETTING	KEEP DOWN
DOWN	KEEP UP	Skips V1	Skips V2	RVC ON	KEEP UP	CAN (NEW)	VEH SETTING	LOW RES	VEH SETTING	KEEP DOWN



Typical setting for 8.8" or 10.2" screen



2013 5 series, GT 10.2" screen



Typical setting for 6.5" screen (no MINI)



MINI 6.5" screen



Z4 8.8" or 10.2" screen



**Note: Disconnect power to the interface before adjusting dip switches or the change will not be implemented.*