

Backup Camera Interface for factory screen for vehicles with external MMI knob (Kit # 9002-2771)

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

Items Included in the Kit:

- 9002-2771 interface
- AV input harness
- Video Sub-Board
- Sub-Board cable
- LVDS Video cable
- Power/CAN harness
- IR eye harness
- Input toggle harness
- Remote

Tools & Supplies Needed:

- Wire strippers
- Wire cutters
- Electrical tape
- Zip ties
- Plastic panel removal tools
- 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

Backup camera interface for select Audi vehicles with the external MMI media system (MMi controls on console, not the radio face).

- Video cable installation happens behind the **radio (MMi)**, no need to remove screen
- *Accessory can be found at the passenger fuse box, typically **black/white** or **black/blue**
- Drop the glove box for easiest install
- Navigation equipped cars: **Gray LVDS** | Non-navigation equipped cars: **Pink LVDS**
- Use reverse light to **trigger relay for reverse to Gray wire, otherwise intermittent reverse activation may result!**

Dip Switch Settings* Configure prior to installation								
Dip SW:	1	2	3	4	5	6	7	8
UP	Enables RGB	Enables V1	Enables V2	Enables V3	6.5" Monitor	Year 2011+	Factory or no Rev-Cam	N.C.
DOWN	Skips RGB	Skips V1	Skips V2	Skips V3	7" Monitor	2010 and down	Aftermarket R-CAM	N.C.



**Note: If the dip switches are not configured prior to installation you must remove power to the unit prior to making adjustments to the dip switches.*

1. Remove the factory radio. The radio is removed by pulling panels and removing screws. Each car is different on its disassembly.

- Grab the provided Power/CAN harness from the 9002-2771 interface. Connect the following wires to the car:

Interface wires	Connect to car
Black (GND)	Chassis Ground
Red (ACC)	Accessory
Gray (Rear)	Reverse lamp 12v (if adding rear view camera)



Note: CAN connection is not supported at this time. You must connect the GRAY wire to a reverse lamp for reverse activation!

- Locate the keyed, 4-pin connector that was removed in step 1. Connect this factory plug to the Video Sub-Board at the port labeled **TO MONITOR**.
- Connect the small white plug side of the LVDS Video Cable to the port on the Video Sub-Board labeled **TO SYS**.
- Connect the other end of the LVDS Video Cable back to the factory radio.
- Connect the Sub-Board Cable to the port on the Sub-Board labeled **TO I/F**.
- Connect the other end of the Sub-Board Cable to the main 9002-2771 at the port labeled **LVDS-OUT**. The ring terminal on this cable is not used.
- Connect the AV input harness to the port labeled **AV IN/OUT** on the 9002-2771 interface.
- Connect your camera RCA to the YELLOW RCA labeled **REAR-C**.
- Connect the white plug from the POWER/CAN harness to the port labeled **POWER/CAN** on the 9002-2771.
- Check to see if camera image is displayed on the screen. Start the vehicle, Press the parking brake on and put the car in reverse.
- If programming is needed connect the IR eye and the momentary toggle switch to the

INSTALLATION INSTRUCTIONS


ports on the POWER/CAN harness.
Following programming

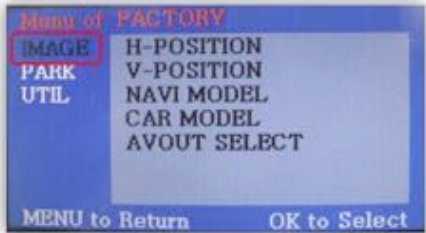
- Reassemble in reverse order.
- All other cables are not needed for this install.

Menu Adjustments

Before you start:


- Make sure the car's ignition is on and radio is booted/settled
- You must be in **'NAVI' (RGB), 'AV1', 'AV2' or 'AV3'** mode (on display screen)
- Use the remote **'OK'** button to switch modes, or use the provided input toggle switch
- Hold the **LEFT ARROW** for 3 seconds. The **Menu of FACTORY** will appear on screen.





Menu of FACTORY
IMAGE
PARK
UTIL
H-POSITION
V-POSITION
NAVI MODEL
CAR MODEL
AVOUT SELECT
MENU to Return OK to Select

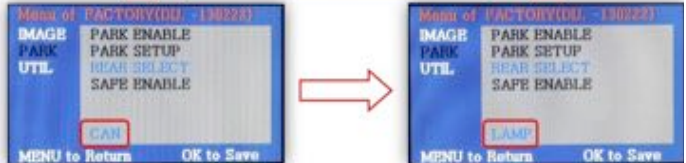
IMAGE MENU
-The only setting that may need necessary adjustment here would be **CAR MODEL** (BMW/AUDI KITS)
Note: on some kits, this option is located under 'UTIL'
-The remaining settings are optional and install dependent.



Menu of FACTORY
IMAGE
PARK
UTIL
PARK ENABLE
PARK SETUP
REAR SELECT
SAFE ENABLE
MENU to Return OK to Select

PARK MENU
PARK ENABLE: Rear-CAM guidelines ON/OFF
PARK SETUP: Rear-CAM guideline positioning
REAR SELECT: Change **rear camera activation** from CAN to LAMP (gra wire) *Note: on some kits, this option is located under 'UTIL'*
SAFE ENABLE: If 'ON', prevents A sources from showing (unless yo ground **Blue 'PARKING' wire**)

1 Rear-Select CAN to LAMP adjustment 2



Menu of FACTORY (DU -10022)
IMAGE
PARK
UTIL
PARK ENABLE
PARK SETUP
REAR SELECT
SAFE ENABLE
CAN
MENU to Return OK to Save

Menu of FACTORY (DU -10022)
IMAGE
PARK
UTIL
PARK ENABLE
PARK SETUP
REAR SELECT
SAFE ENABLE
LAMP
MENU to Return OK to Save