

NAV-TV

INTERFACING THE FUTURE

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MAS-GT

NTV-KIT423



Overview

The MAS-GT kit allows the user to add multiple video inputs including backup camera to the factory media screen in '08-'13 Maserati GT's. This installation requires soldering wires behind the radio and connecting cables behind the screen.

Kit Contents



AV Input
Harness



Remote



Power Harness



MAS-GT Sub Interface



LCD cable



LVDS Video cable



IR Eye Harness



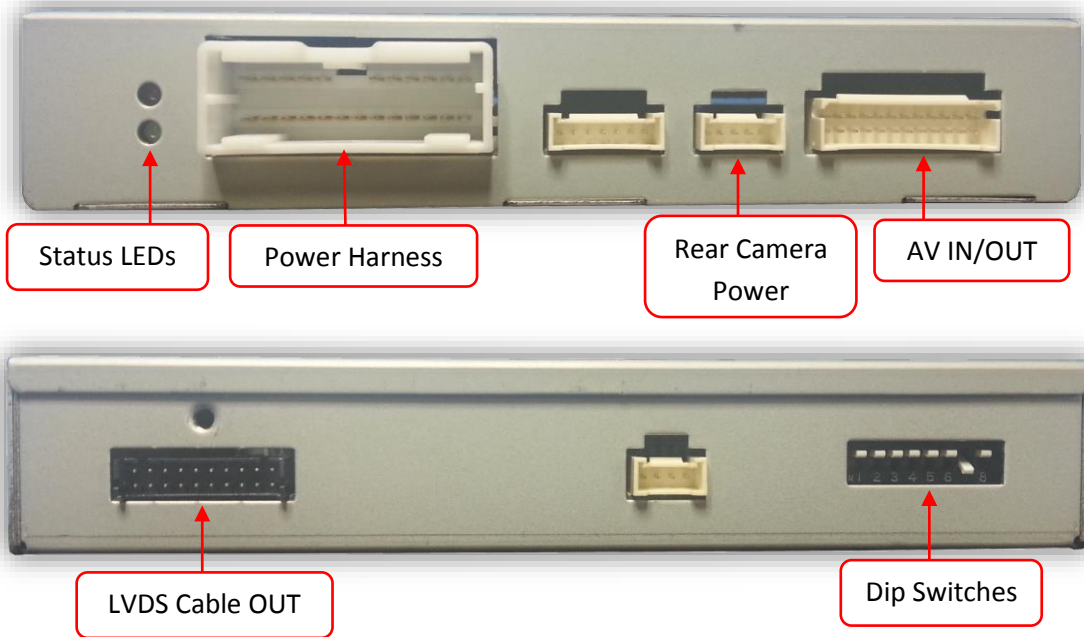
Input Toggle Switch



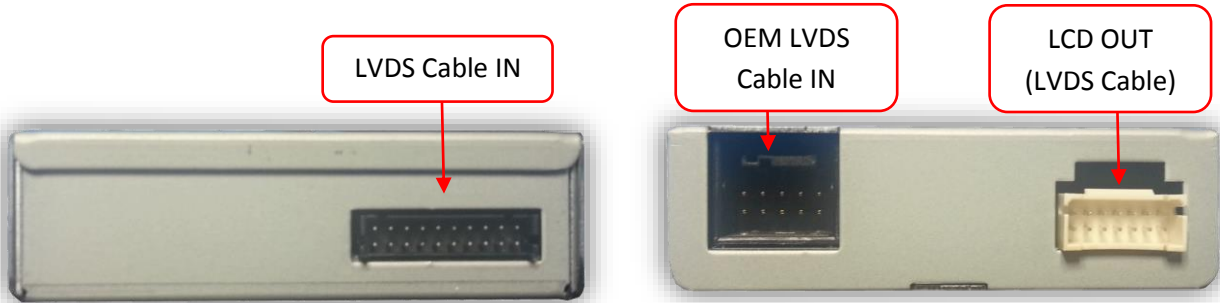
MAS-GT Interface

Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only.

MAS-GT Interface Connectors



MAS-GT Sub Interface Connectors



Dip Switch Settings*

Dip SW:	1	2	3	4	5	6	7	8
UP	Enables RGB	Enables V1	Enables V2	Enables V2	N/A	N/A	Factory or no Rear-CAM	N/A
DOWN	Skips RGB	Skips V1	Skips V2	Skips V2	N/A	N/A	Aftermarket Rear-CAM	N/A



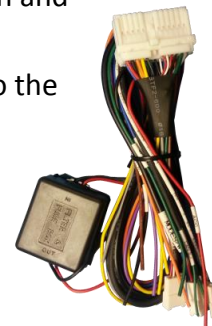
***Note: after adjusting Dip Switches, you must disconnect and reconnect power to the interface or the change will not be implemented.**

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Installation

1. Disassemble the dashboard and remove the radio. This usually requires pulling panels and removing screws. Disconnect any harnesses from the radio and screen and set them aside.
2. From the provided MAS-GT **Power** harness, connect the following wires to the car:

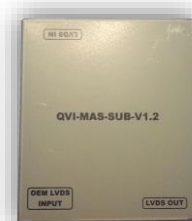
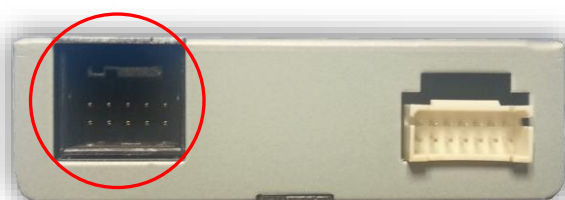
Wire color (MAS-GT Harness)	Connect to Car
Black (GND)	Chassis Ground (-)
Red (ACC)	12v Accessory source (+)
Gray (rear)	Reverse light trigger



3. Connect the provided **LVDS cable** from the main MAS-GT interface (port '**LVDS OUT**') to the MAS-GT Sub interface (port '**LVDS IN**'). Connect the silver ground terminal on each end of this cable to the screw closest to each port (on each interface).



4. From the car's media screen, find the factory harness with a keyed, 10-pin plug that will fit in the port pictured below (step 5).
5. Plug this connector into the MAS-GT *Sub* interface port labeled '**OEM LVDS INPUT**'.



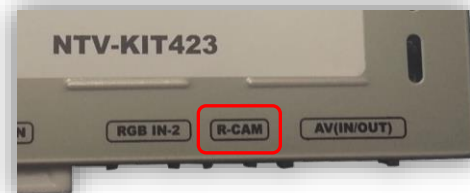
6. Use the provided **LCD Cable** and connect the white connector to the MAS-GT Sub interface port labeled '**LVDS OUT**'. The other end of the cable connects to the factory screen.



7. Connect the AV Input cable to the port on the MAS-GT interface labeled 'AV IN/OUT'. If you're only connecting a reverse camera (and no other inputs), the signal input from the camera must connect to the RCA labeled 'REAR-C'. Refer to the dip-switch settings chart to skip/enable AV sources upon toggle switch presses (Optional. Page 2).

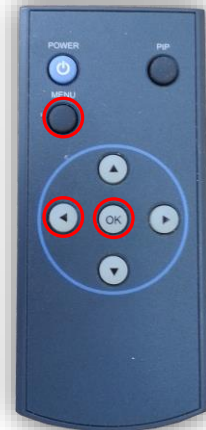


- a. If you're installing a Nav-TV **CAM 6** or **Handle Cam** along with this interface, the power connector plugs directly into the MAS-GT interface port labeled 'R-CAM' for power.



- b. **Note:** The MAS-GT interface will not activate rear-cam with the CAN connection. You must select the activation as 'LAMP' under the menu settings: 'UTIL --> Rear Select' section. Refer to step (8a.) to adjust this.

8. Connect the remote eye to the port labeled 'IR' and mount it in clear view of the driver (often it can be stuck inside a vent). This connection would be necessary if you want to be able to adjust anything from the MAS-GT interface's menu.



- a. **While in any AV mode other than factory** (on the display screen), press the **MENU** button for **MENU 1**, or hold the **left arrow** to enter **MENU 2**.
- b. To switch between AV modes, press the 'OK' button.

9. **Optional:** Connect the provided momentary toggle switch to the port on the MAS-GT interface labeled 'MODE S/W' (in the power harness). Pressing this switch with the ignition on will cycle through any enabled screen modes.



10. Connect the MAS-GT Power harness to the interface at the port labeled 'POWER'. Start the car and test for proper functionality before replacing dash pieces.

11. Note: All other included harnesses not mentioned in this manual are not needed for most installations. If you would like to know more about the full capability of this interface, contact NAV-TV tech support at 561-955-9770. Additional features not mentioned in this manual are not supported by NAV-TV at this time.

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.

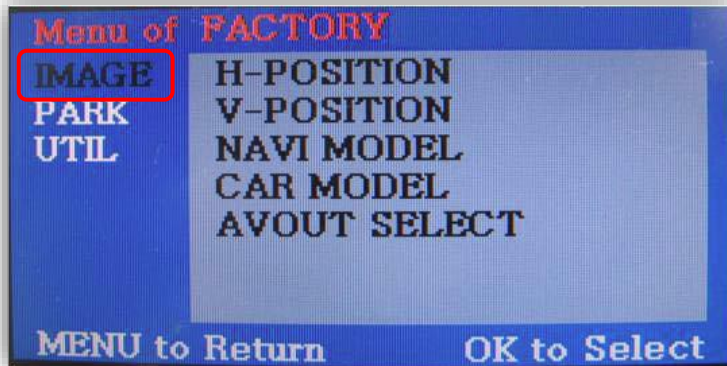


IMAGE MENU

-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.



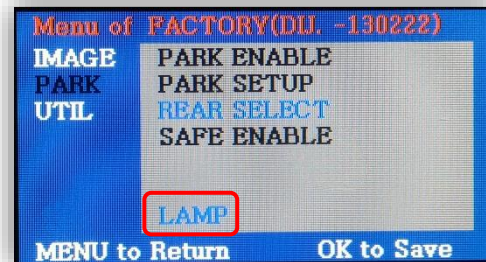
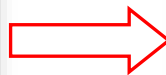
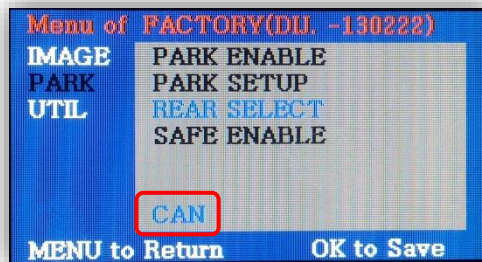
PARK MENU

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

1

Rear-Select CAN to LAMP adjustment

2



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FAQs

Q. I cannot switch A/V sources.

A. Check IR or toggle switch connection. Check the LEDs on the interface, if nothing is lit up with vehicle ignition, check power/ground connections.

Q. All I see on the display is a black screen (no factory image pass-through).

A. Make sure the video cables (IN/OUT) are connected at the proper location (Screen/Radio/NAV DRIVE).

B. Make sure the video cables are seated all the way.

C. Make sure Dip Switches 5 & 6 are set correctly (resolution or screen size).

Q. Displayed image color is not proper (too dim or color seems wrong).

A. Try to select 'INITIAL' in OSD menu.

Q. Rear camera image does NOT appear.

A. Make certain Dip Switch #7 in set **down** for aftermarket camera, or **up** for a factory camera.

B. Try swapping the CAN connection wires. This will not do damage, if it is hooked up wrong it will only not work.

C. Make certain the camera is properly powered. Check voltage **at the camera itself**.

D. Try an alternative video source, don't assume the power/ground is correct unless you've checked it **with a multi-meter!**

E. If this is a CAN-connected module and you've connected the CAN wires, try using the gray wire (*not all interfaces have this wire!*) instead of the CAN connection for reverse activation. You'll also need to change the **Rear Select** option in the **Menu of Factory (MENU 2)** under **UTIL** or **PARK**. Refer to the **Menu Adjustments** section.

Q. Unwanted A/V mode is displayed upon a toggle press (A/V source switching order: OEM->RGB->AV1->AV2->AV3->OEM).

A. Check DIP Switch Setting. Refer to page 2.