

# NAV-TV

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## AVA4

**DUAL VIDEO AND SINGLE AUDIO INPUT (SEMI AUTOMATIC REAR CAMERA\*)**

**2006-2008 Audi A4 (with RNS radio)**

**2006-2008 Lamborghini Gallardo (with RNS radio)**

Plug'n'Play audio/RGB harness

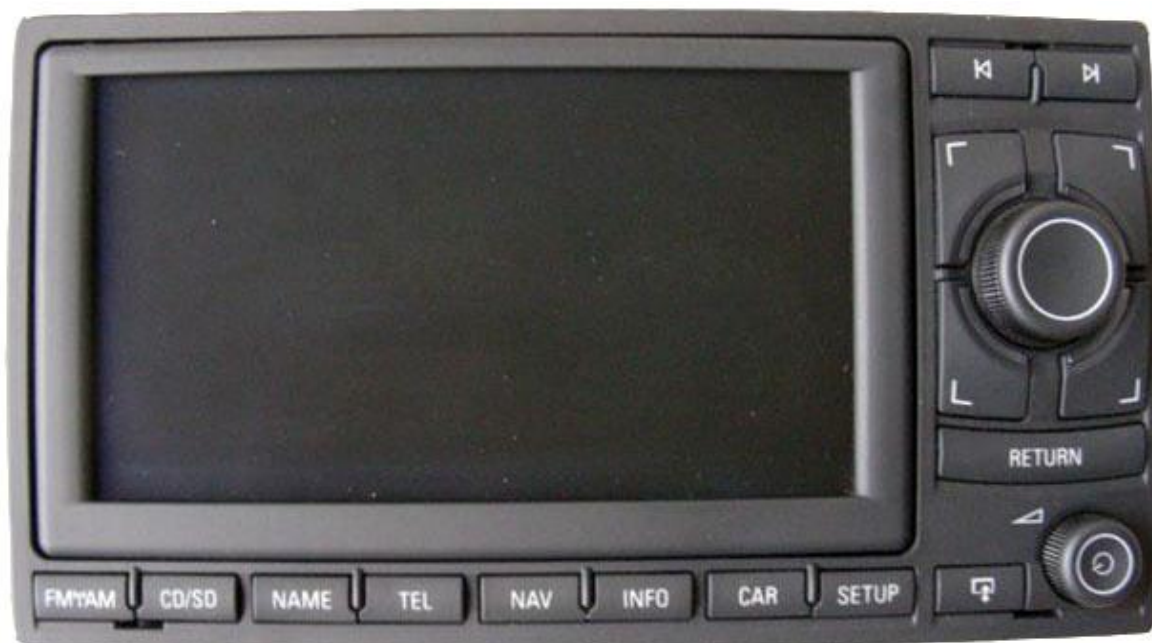
RGB video module

RGB power cable

AVA4 CAN module

8-pin (7-wire) harness for CAN module

USB cable (for future software updates)



RNS RADIO

\* When used for a rear camera, the A/V mode must be activated first, then the vehicle should be shifted into Reverse.

# INSTALLATION

Remove the radio from the dash and set aside.

Find a suitable location for the RGB converter and supply **Accessory +12v** and Ground to the included power cable, and then plug the power cable into the RGB module.

Video input #1 on the RGB converter is linked to the audio input (for an A/V source.)

Video input #2 is for adding a camera, connect the Blue wire to the Reverse lamp for the camera trigger, though the radio needs to be in A/V mode first.

On the main power plug of the radio are a twisted pair of wire, which should be Orange/Purple (CAN High) and Orange/Brown (CAN Low.) Cut these wires, and follow the connector diagram below to add the AVA4 CAN module.

## CAN module wiring – 8-pin plug

Pin 1: CAN High (Purple) – Connect to CAN High Orange/Purple, Radio side

Pin 2: CAN Low (Brown) – Connect to CAN High Orange/Brown, Radio side

Pin 3: Chassis Ground (Black)

Pin 5: CAN High (Purple) – Connect to CAN High Orange/Purple, Vehicle side

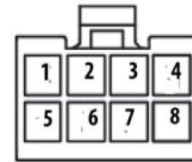
Pin 6: CAN Low (Brown) – Connect to CAN High Orange/Brown, Vehicle side

Pin 7: Constant +12v (Red)

Pin 8: Video in motion trigger (White/Red) – Install A toggle switch to +12v to turn VIM On and Off

**Note:** Due to manufacturing differences, the colors may not match, but the pin numbers are always correct.

8 pin Molex connector



View from wired side

## Operation of AVA4

After the kit is installed, press the CD button, then use the larger knob to scroll down to **TV Tuner** and press the knob.

Then press the button to the upper-right of the Volume knob. (  )