BMWVIM 03/23/2010
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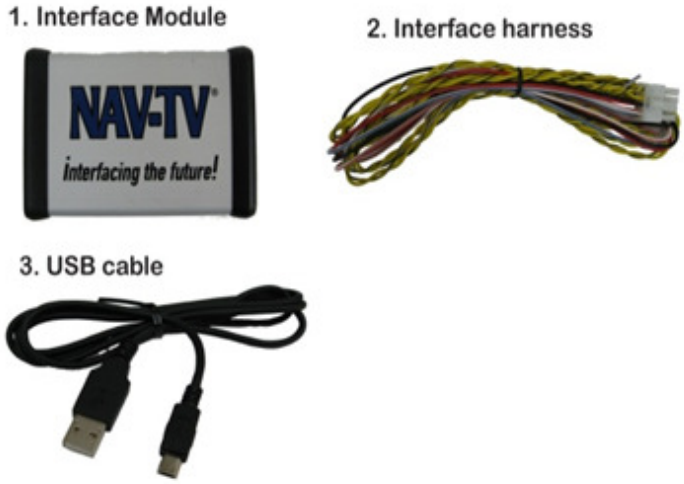
BMWVIM

Enables Video-In-Motion for all 2007 and up BMW X5, X6, 6 and 3-Series vehicles with factory DVD changer or TV Tuner installed.

What's in the box

1. Interface module
2. Interface harness
3. USB cable (have the "A" connector side of the cable accessible to the passenger side of the vehicle cabin, but hidden from view).

Package Contents

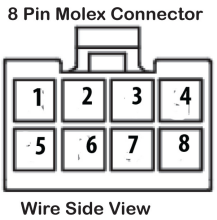


Radio Removal

1. Open glove box with a plastic pry tool. Wedge under a/c vent panel and gently pry out.
2. Disconnect all cables attached.
3. Remove (2) screws behind cover.
4. Using plastic pry tool, gently remove a/c control panel / radio trim cover.
5. Disconnect all cables and set aside.
6. Remove (2) screws holding in the radio, lift radio up and pull out.
7. Disconnect main power harness from radio.
8. Find CAN Low (green wire, pin 9*) and CAN High (orange/green wire, pin 11*) on main wiring of radio. On some vehicles the CAN high is Black and the CAN low is Yellow but the pin positions are the same.
9. Cut CAN wires in half.
10. CAN Low (green wire, pin 9*) of radio side goes to pin 2 (Yellow) of the Molex connector.
11. The other side of the CAN Low wire goes to pin 6 (Yellow) of the Molex connector.
12. CAN High (orange/green wire, pin 11*) on radio side goes to pin 1 (Yellow/Black wire) of the Molex connector.
13. The other side of the CAN High goes to pin 5 (Yellow/Black wire) of the Molex connector.
14. Ground, pin 3 of the Molex connector (Black wire) splices into pin 12* (brown wire) of factory harness.
15. Constant power, pin 7 of Molex connector (Red wire) splices into pin 15* (red wire) of the factory harness.
16. Plug in the module, and hide in the dash.
17. Reinstall dash in opposite order of removal.

Note: Solder all connections. Do not use any crimp type connectors or terminals. CAN Bus signal degradation will cause vehicle system problems if crimp type connectors or terminals are used.

*: Due to the variety of vehicles and harnesses, the wire colors in the factory harness may not be accurate; however, the pin positions are standard among the vehicles.

8 Pin Molex wiring guide	8 Pin Molex connector image
Pin (1) CAN High (Out) - Yellow/Black wire (radio side) Pin (2) CAN Low (Out) - Yellow wire (radio side) Pin (3) Ground – Black wire Pin (4) Not used - White/Red Pin (5) CAN High (In) – Yellow/Back wire (vehicle side) Pin (6) CAN Low (In) – Yellow wire (vehicle side) Pin (7) +12Volt constant power – Red wire Pin (8) VIM manual activation to 12V+ – White/Blue wire	

Activating Interface

To test / operate video in motion.
Start vehicle
Start playing a DVD. Image should display while in park.
Place vehicle into drive, you should get a safety screen stating video is disabled while in motion.
On the steering wheel press the mute (diamond) button or VR (person talking) button twice to enable VIM.
Video should now be displayed.
To disable VIM, Press mute (diamond) or VR (person talking) button twice again.

Notes:
1) To manually activate the interface supply +12volts to the Molex connector Pin 8 (White/Blue wire) through a toggle switch to enable / disable VIM mode.
2) Some vehicles may not have the Diamond button and will have a Voice button instead. In this case, the Voice button should be used to activate the VIM mode.