

W221VIM

Video In-Motion enabler for Mercedes W221 factory DVD Player

Enables video-in-motion for the factory DVD player on 2007 and up S and CL class Mercedes.

What's in the box	Package Contacts
<ol style="list-style-type: none"> Cluster Interface module VIM Interface module Cluster / VIM interface harness Cluster USB cable (have the "A" connector side of the cable accessible to the passenger side of the vehicle cabin, but hidden from view). VIM USB cable (have the "A" connector side of the cable accessible to the passenger side of the vehicle cabin, but hidden from view). 	

8 Pin Molex wiring guide	8 Pin Molex connector image
<p>Pin (1) CAN High to Vehicle – (Yellow/Black wire) Pin (2) CAN low to Vehicle – (Yellow wire) Pin (3) Ground – (Black wire) Pin (4) On/Off Switch – (White/Red wire) Pin (5) CAN High to DVD player (Yellow/Black wire) Pin (6) CAN Low to DVD player (Yellow wire) Pin (7) +12Volt Constant Power – (Red wire) Pin (8) Not Connected – (White/Blue wire)</p>	

Factory Connector	
Wire Functions	Factory Connector
<ol style="list-style-type: none"> Pin (1) CAN High Pin (11) CAN Low 	

Radio Removal

1. Pop out the cover under the radio. Remove (2) Torx screws behind the cover.
2. Remove screws behind hidden cover above radio cover hinges.
3. Remove (4) Torx screws securing the radio in place, and then remove and unplug the radio.



Radio Removal Images

Wiring Instructions

Note: Wire directly behind DVD changer.

1. Cut the wires going to pin (1) and pin (11) on the factory harness from DVD changer to vehicle radio.
2. Solder the Yellow/Black wire from the interface harness Pin (1) to the factory harness wire Pin (1) vehicle side of the cut wires.
3. Solder the Yellow wire from the interface harness Pin (2) to the factory harness wire Pin (11) vehicle side of the cut wires.
4. Solder the Yellow/Black wire from the interface harness Pin (5) to the factory harness Pin (1) DVD changer side of the cut wires.
5. Solder the Yellow wire from the interface harness Pin (6) to the factory harness Pin (11) DVD changer side of the cut wires.
6. Connect the Red wire to constant +12v source. Interface harness Pin (7).
7. Connect the White/Red wire to constant +12v source via a Toggle switch. Note: Video-In-Motion default is enabled. Connect this wire to toggle switch to power to disable Video-In-Motion video.
8. Connect the Black wire from the interface harness Pin (3) to vehicle ground.
9. Connect the Cluster USB cable to the Cluster module. (Have the "A" connector side of the cable accessible to the passenger side of the vehicle cabin, but hidden from view. Label USB cable Cluster.
10. Connect the VIM USB cable to the VIM module. (Have the "A" connector side of the cable accessible to the passenger side of the vehicle cabin, but hidden from view. Label USB cable VIM.

Notes:

1. The default operation of the W221VIM is to allow video in motion. If this is the desired state, then an on/off switch does not need to be used and the wire from Pin (4) White/Red does not need to be connected. If deactivation of the video-in-motion feature is desired, connect the wire from Pin (4) to +12v source using a toggle switch, such that when the switch is closed, it will provide +12v to the W221VIM to turn it Off.
2. If the vehicle is equipped with a factory iPod interface, the wires at pins 1 and 11 on the DVD changer will both be Brown. When the vehicle has no iPod interface, those wires will be Yellow/White and Yellow, respectively.
3. The CAN wires must be cut at the DVD changer and our modules must be connected in-line with those CAN wires.
4. All connections must be soldered to ensure reliability.

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.