

W220 ERISIN Head Unit Install With M.O.S.T Fiber Optic Audio

My car is a 2004 Mercedes S-430 (W220).

****If you are not familiar with a variety of methods to connect wires (soldering, crimping, splicing, etc...), get someone who is to do this job for you!*

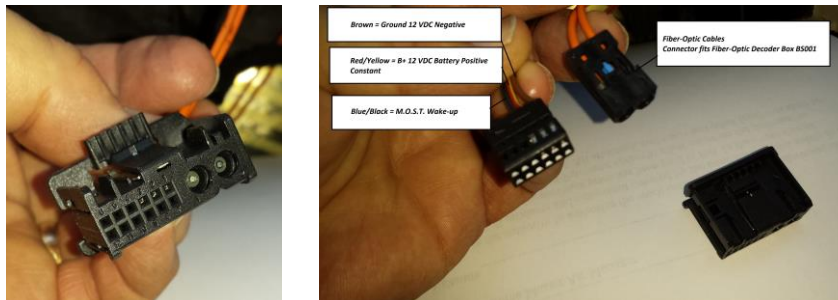
These instructions refer to the “Wiring Instructions” diagram accompanying my unit and included below.

After Removing Original COMAND Unit:

There was one large connector attaching to my original COMAND unit. Into that, there are two smaller connectors:

- one with two orange fiber optic cables
- one with three copper wires:
 - Brown = Chassis ground;
 - Red/yellow = B+ 12 VDC Battery;
 - Blue/black = MOST Wakeup.

Disconnect the two smaller connectors from the one large connector.



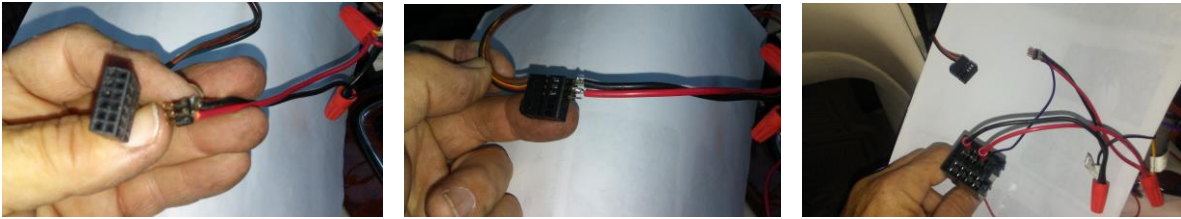
Fiber Optic Connections:

Plug the Fiber Optic cable connector with the Orange wires into the Fiber-Optic Decoder Box BS001 that you purchased with your ad unit.

- Plug the RCA connector 3 (white) to the Left RCA plug from the Fiber-Optic Decoder Box BS001.
- Plug the RCA connector 4 (red) to the Right RCA plug from the Fiber-Optic Decoder Box BS001.
- Connect the Yellow B+ wire to B+ 12 VDC Battery.
- Connect the Black GND wire to Chassis ground.

Power Connections:

- Connect Yellow wire from Pin 15 of the Power Port connector to the head unit to Red/yellow B+ 12 VDC Battery.
- Connect Black wire from Pin 16 of the Power Port connector to the head unit to Brown Chassis ground.
- *(***Note: Blue/black = MOST Wakeup does NOT connect to anything! Originally I had the purple wire in the 3rd image available to connect the MOST Wakeup, but I totally removed it on final install)*



CAN-BUS Connections:

- Connect CAN High, Green wire from Pin 19 (or 20) of the Power Port connector to CAN High, Brown/Red in the trunk at the Audio Gateway (AGW) connector (with fiber optic cables).
- Connect CAN Low, Green/black wire from Pin 20 (or 19) of the Power Port connector to CAN Low, Brown in the trunk at the Audio Gateway (AGW) connector (with fiber optic cables).

That connector just referred to needs to remain connected to the AGW since that controls your audio!

(***I ran 18 gauge twisted pair wire along with the antenna wires to the trunk.)



You may also connect to the CAN system at the X30/5 connector located in the foot well under the driver's seat (on left side). Connect to an empty slot on the distributor, but make sure to connect CAN-High to CAN-High and CAN-Low to CAN-Low.

Revering Camera:

- Select a camera you want to install. (*In bumper or near license plate.*)
- Run supplied RCA from the rear of the head unit to the trunk area.
- Install camera where you want it.
- Connect RCA cable to camera.
- Power connections:
 - Black to Chassis Ground
 - Red to nearest +12 VDC Backup Light wire. (*Splice in.*)

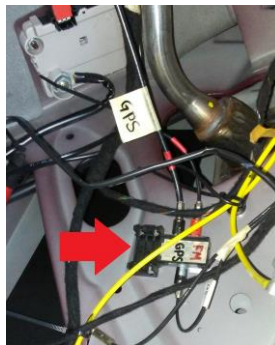
FM Antenna Connection:

- Run antenna wire with a 90 degree Motorola connector (so head unit will fit all the way in the opening) from the rear of the head unit to the trunk.
- Connect antenna wire in trunk with some sort of Fakra connector to the Black & White connector going into the lower portion of the AGW.
- (***) I just spliced connectors to each end of the antenna wire that matched the application.)



GPS Antenna Connection:

- Run GPS antenna wire, with GPS SMA connector at the rear of the head unit to the trunk.
- Connect to the GPS SMA port at the rear of the head unit.
- Connect wire in trunk, with Fakra adaptor, to the antenna splitter/ amplifier located in the upper right portion of the trunk just aft of the fuel filler.



*****I made no satellite, digital radio, or TV antenna connections as I do not intend to use those. However, there are connection points for these in the trunk.**

Running Wires to the Trunk:

- Remove ALL panels from the trunk.
- Remove rear seat cushions.
- Remove Center Console.
- Snake wires under center rear carpet and under console area into area behind head unit.
- At rear, insert wires through available hole behind driver side (left) upper area behind back of seat cushion into the trunk area.

Location of the Bose Power Amplifier and Becker Audio Gateway (AGW) in the left side of trunk:

