BMW (with M.O.S.T. 25 amplifier) **2004-2013**

INTERFACE FEATURES

- Provides accessory power (12 volt 10 amp)
- Retains R.A.P. (retained accessory power)
- Designed for amplified models
- Retains audio controls on the steering wheel
- Retains phone buttons (radio dependent)
- Retains factory features: date, time, temperature display
- Micro-B USB updatable

Note: Warning and Parking sensor chimes are not retained

INTERFACE COMPONENTS

- AXDIS-BW122 interface
- AXDIS-BW122 amplifier interface
- AXSWC interface
- AXDIS-BW122 harness
- AXSWC harness
- 3.5mm adapter

APPLICATIONS

BMW

1-Series	2004-2013	3-Series	2005-2012

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TOOLS & INSTALLATION ACCESSORIES REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink • Tape • Wire cutter
- Zip ties

Product Info

CONNECTIONS

From the aftermarket radio to the AXDIS-BW122 harness, connect the:

- **Black** wire to the ground wire.
- **Yellow** wire to the battery wire.
- **Yellow** wire (6' long w/ fuse-holder) directly to the vehicles battery.
- **Red** wire to the accessory wire.
- **Orange** wire to the illumination wire (if applicable).
- **Blue** wire to the power antenna turn-on wire.
- **Brown** wire to the mute wire.

The following (3) wires are only for multimedia/navigation radios that require these wires.

- **Blue/Pink** wire to the VSS/speed sense wire.
- **Green/Purple** wire to the reverse wire.
- **Light Green** wire to the parking brake wire.
- Tape off and disregard the following (8) wires, they will not be used in this application: **Gray**, **Gray/Black**, **Green**, **Green/Black**, **Purple**, **Purple/Black**, **White**, **White/Black**
- **Red** and **White** RCA jacks to the full range amplifier output jacks.

AXSWC harness:

This harness is only to be used if the vehicle is equipped with steering wheel controls.

- Connect the **Black** wire to the chassis ground.
- Connect the **Red** wire to accessory power.
- **For the radios listed below:** Connect the **3.5mm adapter** to the male 3.5mm SWC jack from the AXSWC harness. Any remaining wires tape off and disregard:
  - **Eclipse:** Connect the steering wheel control wire, normally **Brown**, to the **Brown/White** wire of the connector. Then connect the remaining steering wheel control wire, normally **Brown/White**, to the **Brown** wire of the connector.
  - **Metra OE:** Connect the steering wheel control Key 1 wire **(Gray)** to the **Brown** wire.
  - **Kenwood or select JVC with a steering wheel control wire:** Connect the **Blue/Yellow** wire to the **Brown** wire.
  - **XITE:** Connect the steering wheel control SWC-2 wire from the radio to the **Brown** wire.
  - **Parrot Asteroid Smart or Tablet:** Connect the 3.5mm jack into the AXSWCH-PAR (sold separately), and then connect the 4-pin connector from the AXSWCH-PAR into the radio.
    Note: The radio must be updated to rev. 2.1.4 or higher software.
  - **Universal "2 or 3 wire" radio:** Connect the steering wheel control wire, referred to as Key-A or SWC-1, to the **Brown** wire of the connector. Then connect the remaining steering wheel control wire, referred to as Key-B or SWC-2, to the **Brown/White** wire of the connector. If the radio comes with a third wire for ground, disregard this wire.
    Note: After the interface has been programmed to the vehicle, refer to the manual provided with the radio for assigning the SWC buttons. Contact the radio manufacturer for more information.
- **For all other radios:** Connect the 3.5mm jack from the AXSWC harness, into the jack on the aftermarket radio designated for an external steering wheel control interface. Please refer to the aftermarket radios manual if in doubt as to where the 3.5mm jack goes to.

INSTALLATION

With the key in the off position:

- Connect the **AXDIS-BW122 harness** to the **AXDIS-BW122 interface**.
- Connect the **AXDIS-BW122 harness** to the **AXDIS-BW122 amplifier interface**.
- Remove the dust cover from fiber optic port in the **AXDIS-BW122 amplifier interface**.
- Connect the factory fiber optic cable into the **AXDIS-BW122 amplifier interface**.
- Connect the **AXDIS-BW122 harness** to the wiring harness in the vehicle.
- Connect the **AXSWC harness** to the **AXSWC interface**, and then to the **AXDIS-BW122 interface**.

PROGRAMMING

- Press and hold the Volume-Up button on the steering wheel.
- Turn the ignition on, the L.E.D. in the AXSWC interface will start flashing rapidly, which means the AXSWC is looking for the vehicle and the radio.

  Note: If the L.E.D. did not start flashing rapidly, press the reset button for 3 seconds, while still holding the Volume-Up button.
- After a few seconds the L.E.D. should stop flashing rapidly, and then go out for approximately 2 seconds.
- After approximately 2 seconds there will be a series of 7 **Green** flashes, some short, and some long. The long flashes represent the wires that are connected to the AXSWC. The 3rd, 4th, 5th, and 6th flashes should be longer.

  Tip: Knowing this will help to troubleshoot, if need be.
- The L.E.D. will pause for another 2 seconds, and then flash **Red** up to 18 times depending on which radio is connected to the AXSWC. Refer to the L.E.D. feedback section for information.
- This is the end of the auto detection stage. Release from holding the Volume-Up button. If the AXSWC detected the vehicle and the radio successfully, the L.E.D. will light up solid.
- Test the steering wheel controls for proper operation. Refer to the AXSWC instructions online at axxessinterfaces.com for customizing the buttons, if so desired.

PROGRAMMING *(CONT.)*

L.E.D. feedback

The (18) **Red** L.E.D. flashes represent which brand radio the AXSWC is connected to. Each flash represents a different radio manufacturer. For example, if you are installing a JVC radio, the AXSWC will flash **Red** (5) times, and then stop. Following is a legend that dictates which radio manufacturer corresponds to which flash.

L.E.D. feedback legend

1 flash - Eclipse (Type 1) †	10 flashes - Clarion (Type 2) †
2 flashes - Kenwood ‡	11 flashes - Metra OE
3 flashes - Clarion (Type 1) †	12 flashes - Eclipse (Type 2) †
4 flashes - Sony / Dual	13 flashes - LG
5 flashes - JVC	14 flashes - Parrot **
6 flashes - Pioneer / Jensen	15 flashes - XITE
7 flashes - Alpine *	16 flashes - Philips
8 flashes - Visteon	17 flashes - TBD
9 flashes - Valor	18 flashes - JBL

* **Note:** If the AXSWC flashes **Red** (7) times, and you do not have an Alpine radio connected to it, that means the AXSWC does not detect a radio connected it. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.

** **Note:** The AXSWCH-PAR is required (sold separately). Also, the Parrot radio must be updated to rev. 2.1.4 or higher through www.parrot.com.

† **Note:** If you have a Clarion radio and the steering wheel controls do not work, change the radio type to the other Clarion radio type; same for Eclipse. Refer to the "Programming Information" document online.

‡ **Note:** If you have a Kenwood radio and the L.E.D. feedback comes back as showing as a JVC radio, change the radio type to a Kenwood. Refer to the "Programming Information" document online.

Having difficulties? We're here to help.

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