Harley Davidson DSP Package with Water Resistant Enclosure 1998–2013

INTERFACE FEATURES
- Water resistant plug-n-play harness for the AX-DSP-X
- AX-DSP-X included
- Water resistant enclosure with zip tie mounts included
- Amplifier, if equipped, does not need to be retained
- All wiring will be done at the radio location
- Micro-B USB updatable

INTERFACE COMPONENTS
- AX-DSP-X circuit board
- AX-DSPX-HD1-WR harness (with gaskets)
- AX-DSPX-HD1-WR enclosure
  - Case
  - Cap (with O-ring)

TOOLS & INSTALLATION ACCESSORIES REQUIRED
- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Tape
- Wire cutter
- Zip ties

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Product Info
An SPDT relay, Metra part number E-123, must be used if the amp turn-on current of all amps exceed 1-amp.

### Connections

**Factory Radio**
- AX-DSPX-HDI-WR Circuit Board
- Cap (with O-ring)

**AX-DSPX-HDI-WR Harness**
- Blue/White - Amp Turn-On
- Red/White - Do Not Use

**Factory Harness**
- 16-Pin
- 20-Pin

**Gasket**
- Zip-tie Mounts

**Additionable Outputs**
- For Optional Amps

**Factory Harness**
- White / Front Left +
- White/Black / Front Left -
- Gray / Front Right +
- Gray/Black / Front Right -
- Purple / Rear Right +
- Purple/Black / Rear Right -

**AX-DSPX-HD1-WR Harness**
- Blue/White - Amp Turn-On
- Red/White - Do Not Use

**Loose Wires**
- Do Not Use

**White / Front Left +**
- Green / Rear Left +
- White/Black / Front Left -
- Green/Black / Rear Left -
- Gray / Front Right +
- Purple / Rear Right +
- Gray/Black / Front Right -
- Purple/Black / Rear Right -

**Harness**
- Blue/White - Amp Turn-On
- Red/White - Do Not Use

**Gasket**
- Zip-tie Mounts

**20-Pin**
- SUB

**An SPDT relay, Metra part number E-123, must be used if the amp turn-on current of all amps exceed 1-amp.**
1. Remove the fairing to access the back of the factory radio. Refer to MetraOnline, part number 99-9600 for fairing disassembly instructions.

2. Install the AX-DSPX-HD1-WR harness and make all necessary connections, but leave the amp turn-on wire disconnected.

3. With the arrow stamped onto the cap facing upwards, push the 16-pin connector from the AX-DSPX-HD1-WR harness into the left side of the cap. The locking clip on the connector should face upward. Make sure the gasket is seating properly in the cap. (Figure A)

4. With the arrow stamped onto the cap still facing upwards, push the 20-pin connector from the AX-DSPX-HD1-WR harness into the right side of the cap. The locking clip on the connector should face upward. Make sure the gasket is seating properly in the cap. (Figure A)

5. Plug the 16-pin and 20-pin connectors from the AX-DSPX-HD1-WR harness into the AX-DSPX-X circuit board. (Figure A)

6. Slide the assembly into the case, then click it shut. Zip-tie the enclosure to a secure location in the fairing to secure it. Make sure the Axxess logo is facing up to further ensure that no outside elements can enter the enclosure.

Continued on the next page
7. Download and install the AX-DSP-X app from the Google Play Store or Apple App Store.

8. Open the app and follow the instructions on the Bluetooth Connection tab to pair the mobile device to the AX-DSP-X. (Figure B)

9. Scroll to the Configuration tab then select the vehicle type. Press the Lock Down button to save the configuration. (Figure C)

10. Connect the amp turn-on wire from the AX-DSPX-HD1-WR harness.

11. Click the Identify button to confirm that the AX-DSPX-HD1-WR is connected properly. If so, a chime will be heard from the front left speaker. Test all functions of the installation for proper operation.

12. Adjust the DSP settings in the app as desired. Refer to the instructions under the Setup Instructions tab, or online at AxxessInterfaces for an explanation of each tab in the app.
KNOWLEDGE IS POWER
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Metra recommends MECP certified technicians

Having difficulties? We’re here to help.

Contact our Tech Support line at:
386-257-1187

Or via email at: techsupport@metra-autosound.com

Tech Support Hours (Eastern Standard Time)
Monday - Friday: 9:00 AM - 7:00 PM
Saturday: 10:00 AM - 7:00 PM
Sunday: 10:00 AM - 4:00 PM

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