Ford A2B Data Interface with Amplifier Bypass Harness & DSP 2017-2019

**INTERFACE FEATURES**
- Designed for B&O A2B amplifiers
- A2B data interface w/ AX-DSP-X (digital signal processor) built-in
- Includes an amplifier bypass harness
- Retains factory chimes including parking sensor chimes
- Retains SYNC voice prompts
- Chimes and voice prompts go through the aftermarket amplifier and/or cluster
- Adjustable chime level
- Micro-B USB updatable

**INTERFACE COMPONENTS**
- AX-DSP-A2B2 interface
- AX-DSP-A2B2 harness
  - AX-DSP-A2B2 interface harness (male connectors: 12-pin, 16-pin)
  - Amplifier bypass harness (female connectors: 8-pin black, 20-pin gray)
- AX-BASSKNOB

**APPLICATIONS**
- Ford
  - Escape 2018-2019
  - Expedition 2018-2019
  - F-150 2018
  - F-150 Raptor 2017-2018

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**TOOLS REQUIRED**
- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Tape
- Wire cutter
- Zip ties
Assignable outputs labeled CH 7-10 to be used for optional amps.

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

Channel 6 must be assigned as a center channel.

* F-150 & F-150 Raptor Only
1. Locate the factory amp (†), unplug all connectors, then remove the amp.

2. Install the AX-DSP-A2B2 harness and make all necessary connections, but leave the amp turn-on wire disconnected.

   **Note:** Ensure the USB connector from the factory amp is connected to the AX-DSP-A2B2.


4. Download and install the AX-DSP app from the Google Play Store or Apple App Store.

5. Open the app and follow the instructions on the Bluetooth Connection tab to pair the mobile device to the AX-DSP-A2B2. (Figure A)

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

7. Connect the amp turn-on wire from the AX-DSP-A2B2 harness.

8. Click the Identify button to confirm that the AX-DSP-A2B2 is connected properly. If so, a chime will be heard from the front left speaker or gauge cluster. Test all functions of the installation for proper operation.

9. Adjust the DSP settings in the app as desired. Refer to the instructions under the Setup Instructions tab, or online at Axxessinterfaces.com for an explanation of each tab in the app.

   **Note:** In these vehicles the factory radio powers some speakers.
   - **Escape:** Front tweeters / Center channel
   - **Fusion:** Front tweeters / Rear (d-pillar)

(†) Amplifier Location
- **Escape:** Cargo floorboard, towards front
- **Expedition:** Behind left rear quarter panel
- **F-150:** Rear of cab wall, driver’s side
- **F-150 Raptor:** Rear of cab wall, driver’s side
**TROUBLESHOOTING**

- If the **Red** light in the AX-DSP-A2B2 interface is blinking, it is not communicating to the vehicle. Remove the key from the ignition, unplug the connectors from the interface, then inspect all connections made. If everything is proper, connect the harnesses back into the interface, cycle the key to ignition, then re-inspect. The **Red** light should be solid.

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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