



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

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INTERFACE FEATURES

- Designed for B&O A2B amplifiers
- A2B data interface with AX-DSP (digital signal processor) built-in
- Includes an amplifier bypass harness
- Retains factory chimes
- Retains factory parking sensor chimes
- Retains SYNC voice prompts
- All chimes/voice prompts go through the aftermarket amplifier
- 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

Chevrolet

Escape	2018-2019	F-150	2018
Expedition	2018-2019	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

Attention! Let the vehicle sit with the key out of the ignition for a few minutes before removing the factory radio. When testing the aftermarket equipment, ensure that all factory equipment is connected before cycling the key to ignition.

CONNECTIONS

From the **AX-DSP-A2B2 Interface Harness** to the aftermarket amplifier(s):

- Connect the **Blue/White** wire labeled “AMP ON OUT” to the amplifier turn-on wire.
- Connect the **Red/White** wire labeled “SYSTEM ON” to a module that requires a 12V turn-on when the amplifier is active. This is an optional wire for turning on additional processors. Tape off and disregard if not needed.
- If installing the **AX-BASSKNOB** provided, connect the **Orange** wire to the **Orange** wire from the **AX-BASSKNOB**.
- Connect the **Gray** RCA jack to the right front input.
- Connect the **White** RCA jack to the left front input.
- Connect the **Green** RCA jack to the left rear input.
- Connect the **Purple** RCA jack to the right rear input.
- Connect the **Red & White** RCA jacks to the subwoofer input.
- The RCA jacks labeled CH6 through CH10 are user assignable.

From the **Amplifier Bypass Harnesses** to the aftermarket amplifier(s):

- | | | | |
|----------------------|---------------|-----------------------|--------------------|
| • Gray | Front Right + | • Purple/Black | Right Rear - |
| • Gray/Black | Front Right - | • Brown/White | Center + |
| • White | Front Left + | • Blue/Pink | Center - |
| • White/Black | Front Left - | • Green/White | Subwoofer Coil 1 + |
| • Green | Rear Left + | • White/Red | Subwoofer Coil 1 - |
| • Green/Black | Rear Left - | • Brown/Yellow | Subwoofer Coil 2 + |
| • Purple | Rear Right + | • Brown/Blue | Subwoofer Coil 2 - |

INSTALLATION

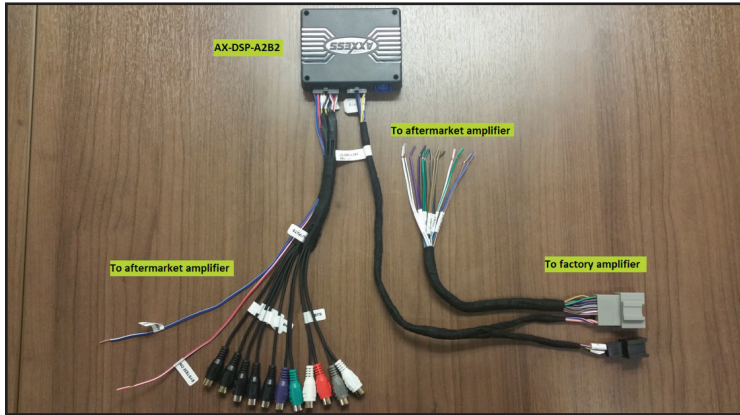
1. Locate the factory amplifier. Refer to the **Amplifier Location** list.
2. Remove the **Blue** USB connector from the factory amplifier, then connect it to the *AX-DSP-A2B1 interface*.
3. Remove the **Black** and **Gray** (sometimes black) connectors from the amplifier, then connect the *amplifier bypass harness* to those connectors.
4. Connect the *AX-DSP-A2B2 harness* to the *AX-DSP-A2B2 interface*.
5. Download and install the AX-DSP app from the Android/Apple mobile devices app store. Once installed, open the app and configure the **AX-DSP-A2B2**.

Amplifier Location

Ford

Escape 2018-2019	Driver's side floorboard in the cargo area, towards the front
Expedition 2018-2019	Behind left rear quarter panel
F-150 2018	Rear of cab wall, driver's side
F-150 Raptor 2017-2018	Rear of cab wall, driver's side

AX-DSP-A2B2 LAYOUT



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, and 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.



AX-DSP-A2B2

INSTALLATION INSTRUCTIONS



If you are having difficulties with the installation of this product, contact our Tech Support line either by phone at **1-800-253-TECH**, or email at **techsupport@metra-autosound.com**. Before doing so, look over the instruction booklet a second time and ensure that the installation was performed exactly as the instruction booklet is stated. Have the vehicle apart and ready to perform troubleshooting steps before contacting Metra/Axxess Tech Support.



KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.



Metra recommends MECP certified technicians