



Hyundai / Kia Digital Signal Processor 2011-2016

INTERFACE FEATURES

- Includes an AX-DSP (Digital Signal Processor)
- Includes an amplifier bypass harness
- Retains BlueLink/UVO voice prompts
- Voice prompts go through the aftermarket amplifier
- Micro “B” USB updatable

INTERFACE COMPONENTS

- AX-DSP
- AX-DSP-HYKIA2 interface
- AX-DSP-HYKIA2 harness
 - AX-DSP harness (16-pin, 20-pin)
 - AX-DSP-HYKIA2 harness (12-pin black)
 - Amplifier bypass harness (12-pin green)

APPLICATIONS

HYUNDAI		KIA	
Elantra	2012-2015	Sportage	2011-2016
Veloster	2012-2017		

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OPTIONAL ACCESSORIES (sold separately)

Bass knob for AX-DSP: AX-BASSKNOB

TOOLS REQUIRED

- Wire cutter • Crimp tool • Solder gun • Tape
- Connectors (example: butt-connectors, bell caps, etc.)

CAUTION! All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before cycling the ignition. Also, do not remove the factory radio with the key in the on position, or while the vehicle is running.

CONNECTIONS TO BE MADE

From the AX-DSP harness to the aftermarket amplifier(s):

16-pin and 20-pin harnesses

- Connect the **Blue/White** wire to the amplifier turn-on wire/input.
- If installing an AX-BASSKNOB (sold separately), 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.
- Connect the **Red** RCA jack to the center channel input.
- Tape off and disregard the following (8) wires, they will not be used in future applications: **Black/Yellow, Brown, Purple, Purple/Black, Red/White, White, White/Black, White/Red**

From the amplifier bypass harnesses to the aftermarket amplifier(s):

12-pin Green harness

- Connect the **White** wire to the front left positive.
- Connect the **White/Black** wire to the front left negative.
- Connect the **Gray** wire to the front right positive.
- Connect the **Gray/Black** wire to the front left negative.
- Connect the **Brown/Yellow** wire to the front left tweet positive.
- Connect the **Brown/Blue** wire to the front left tweet negative.
- Connect the **White/Red** wire to the front right tweet positive.
- Connect the **Red/White** wire to the front right tweet negative.
- Connect the **Green** wire to the rear left positive.
- Connect the **Green/Black** wire to the rear left negative.
- Connect the **Purple** wire to the rear left positive.
- Connect the **Purple/Black** wire to the rear left negative.

INSTALLING THE AX-DSP-HYKIA2

- Locate the factory amplifier. Refer to the amplifier location legend.
 - Remove the 12-pin and 26-pin connectors from the amplifier.
 - Connect the amplifier bypass harness to the 12-pin connector from the amplifier.
 - Connect the AX-DSP-HYKIA2 harness to the 26-pin connector from the amplifier.
- Connect the AX-DSP harnesses to the AX-DSP.
Note: Disregard the loose 20-pin harness.
- Connect the AX-DSP-HYKIA2 harness to the AX-DSP-HYKIA2 interface.

Amplifier Location Legend

Hyundai

Azera: Right side of trunk

Elantra: Right side of trunk

Sonata: Right side of trunk

Tucson: Right side of cargo area

Veloster: Under passenger seat

Kia

Cadenza: Right side of trunk

Optima: Right side of trunk

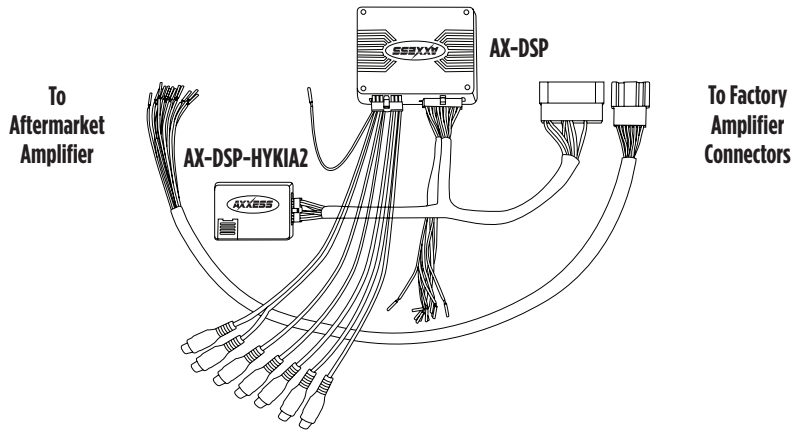
Sorento: Under passenger seat

Soul: Right side of cargo area

Sportage: Right side of cargo area



AX-DSP-HYKIA2 LAYOUT



TROUBLESHOOTING

- If the **Red** light in the AX-DSP-HYKIA2 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.

IMPORTANT

If you are having difficulties with the installation of this product, please call our Tech Support line at 1-800-253-TECH. Before doing so, look over the instructions a second time, and make sure the installation was performed exactly as the instructions are stated. Please have the vehicle apart and ready to perform troubleshooting steps before calling.



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