



# AXDSPX-HN3

## INSTALLATION INSTRUCTIONS



### INTERFACE COMPONENTS

- AXDSPX-HN3 interface
- LD-DSPX-HONSP interface harness
- Amplifier bypass harness (integrated)

### APPLICATIONS

Visit [AxxessInterfaces.com](http://AxxessInterfaces.com) for current application list

For **Dash Disassembly Instructions**, refer to [metraonline.com](http://metraonline.com). Enter the year, make, and model of the vehicle in the **Vehicle Fit Guide** for **Radio Install kits**.



## S/PDIF® DSP Data Interface With Amplifier Bypass Harness

Fits Select Honda Models **2016-2022**

### INTERFACE FEATURES

- Retains ability to work with S/PDIF® digitally controlled amplified systems
- Selectable 31-band Graphic EQ or 5-band parametric EQ on each channel with high pass, low pass, and bandpass filters
- 6 inputs and 10 individually assignable outputs
- Selectable slope (12, 24, 36, or 48db per octave)
- Selectable Graphic or Parametric EQ
- Independent equalization on each of the 10 outputs
- Each channel can be delayed independently up to 10 ms
- Clipping detection and limiting circuits
- Bass knob included
- Factory amplifier does not need to be retained
- Settings adjusted wirelessly in the free AX-DSP-XL app available for smartphones and tablets
- To be used with factory radios
- Read, write, and store configurations for future recall
- Password protect feature available in the app
- Micro "B" USB updatable

### TABLE OF CONTENTS

Connections.....	2
Installation .....	3
Mobile App .....	4-5
Specifications /Speaker Assignment QR code ....	6

### TOOLS & INSTALLATION ACCESSORIES REQUIRED

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

### Download AX-DSP-XL App

Android™ 9 or higher



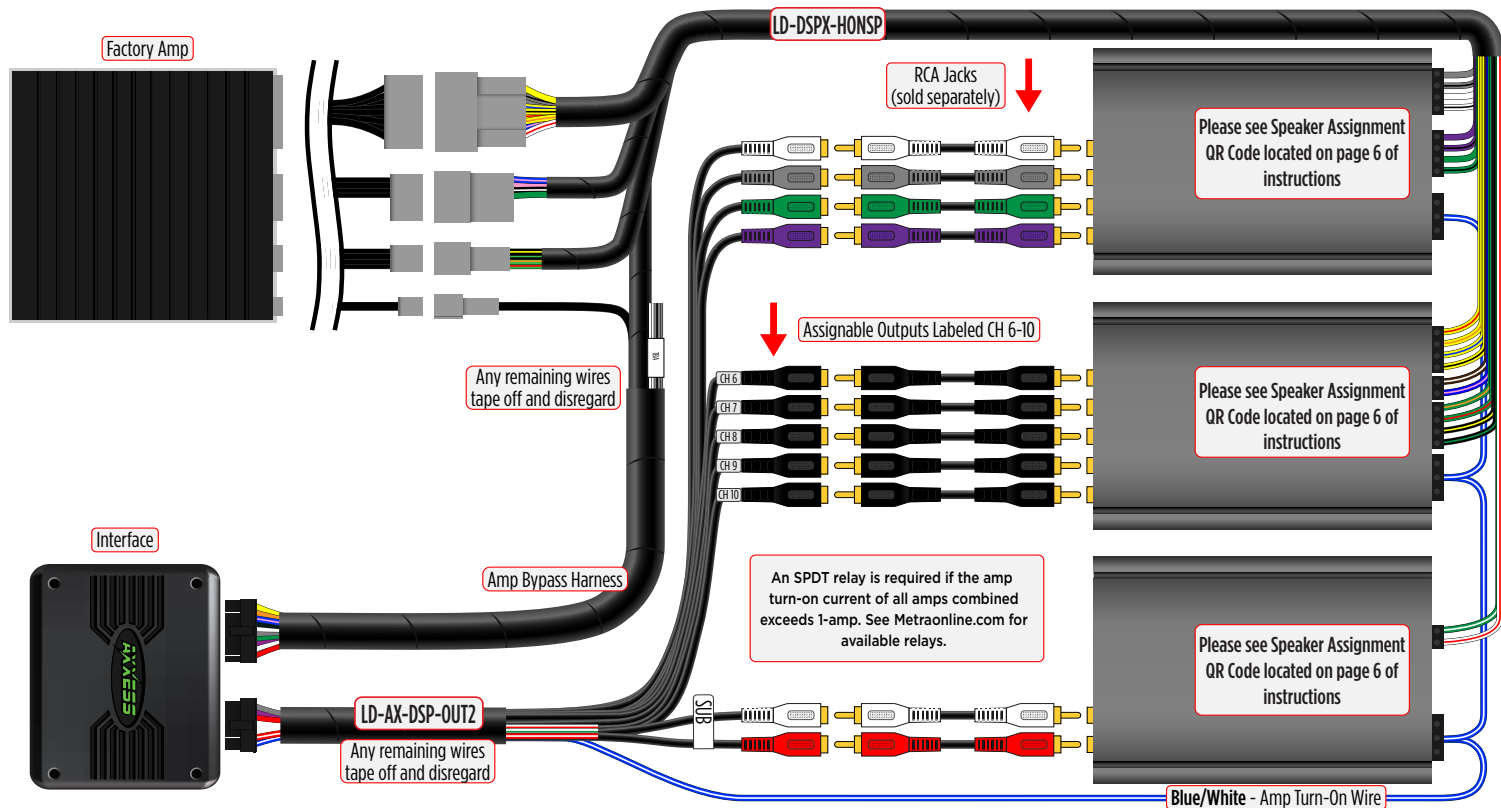
iOS® 12.1 or higher



**ATTENTION:** With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections, especially the air bag indicator lights, are plugged in before reconnecting the battery or cycling the ignition to test this product.

**NOTE:** Refer also to the instructions included with the aftermarket accessory before installing this device.

## CONNECTIONS

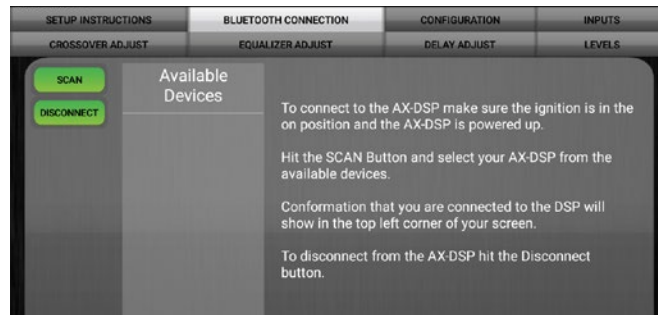


# INSTALLATION

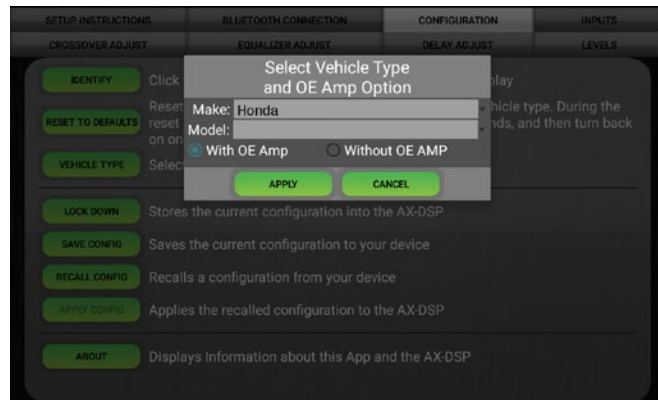
1. Locate the factory amp in the passenger side kick panel. Unplug and remove the amp.
2. Install the **AXDSPX-HN3 harness** and make all necessary connections, but leave the amp turn-on wire disconnected.
3. Plug the 20-pin and 16-pin connectors from the **AXDSPX-HN3 harness** into the **AXDSPX-HN3 interface**.
4. Download and install the **AX-DSP-XL app** for your smart device.
5. Open the app and follow the instructions on the **Bluetooth Connection** tab to pair the mobile device to the AXDSPX-HN3. (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 **AXDSPX-HN3 harness**.
8. Click the **Identify** button to confirm that the AXDSPX-HN3 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](http://Axxessinterfaces.com) for an explanation of each tab in the app.

† Anytime the interface is locked down the key must be cycled off then back on

**Note:** The interface provides a 12-volt 1-amp output to turn on aftermarket amp(s). If installing multiple amps, an SPDT automotive relay will be required if the amp turn-on current of all amps combined exceeds 1-amp. See [MetraOnline.com](http://MetraOnline.com) for available relays.



(Figure A)



(Figure B)

## QUICK SETUP STEPS THROUGH AXDSP-XL APP

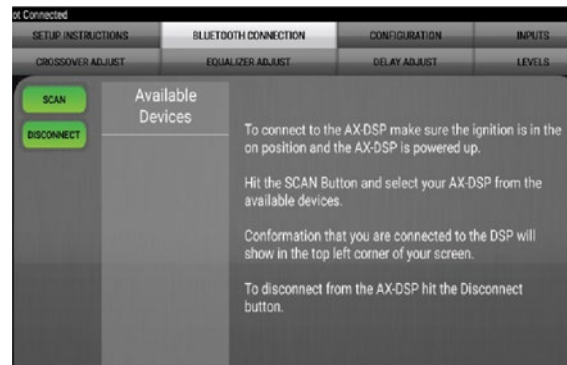
### Google Play Store



### Apple App Store iOS 12.1 or higher



1. Download and install the **AX-DSP-XL app** for your smart device.
2. Turn Vehicle Ignition on. Make sure the Remote Turn on lead is disconnected.
3. Open the app: Select **Bluetooth Connections** page.
  - Select **Scan**, all available AXDSP devices within range will be displayed. Select your AXDSP and hit connect. (Figure A)
4. Select the Configuration page.
  - Select **Vehicle Type** Icon
  - Select the Vehicle Make: \_\_\_\_ (Example: **Hyundai**)
  - Select the Vehicle's model: \_\_\_\_ (Example: **Genesis**)
  - Select **With OE Amp**
  - Hit **Apply** (Figure B)
5. Make sure radio volume is all the way down.
6. Connect the amp turn-on wire from the **AXDSPX-HK3 harness** to the aftermarket amplifiers.



(Figure A)

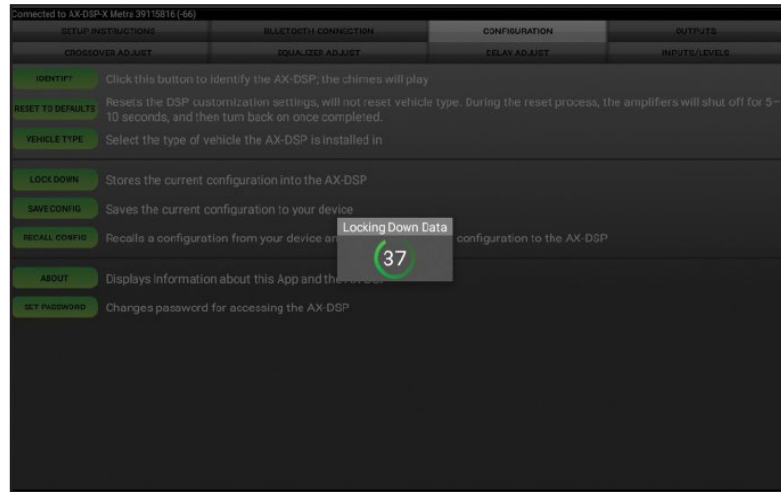


(Figure B)

## QUICK SETUP STEPS THROUGH AXDSP-XL APP (CONT.)

- From the **Configuration** page click the **Identify** button to confirm that the **AXDSPX-HK3** is connected properly. If so, a chime will be heard from the front left speaker.
- Press the **Lock Down** button to save the configuration. (Do not turn ignition off until this process is completed) (Figure C)
- Select the **Bluetooth Configurations** page and disconnect the DSPX.
- Turn ignition off, close all door then lock vehicle using the key fob. The vehicle will need to sit uninterrupted for 10 minutes while the vehicle goes to sleep. (Make sure Key fob is 15 feet away from the vehicle)
- Unlock Vehicle, turn ignition on and test radio's functions.
- Adjust the DSP settings in the app as desired. Refer to the instructions under the **Setup Instructions** tab, or online at [Axxessinterfaces.com](http://Axxessinterfaces.com) for an explanation of each tab in the app.

### Locking Down Data



(Figure C)

**Last and the most important:**  
**You MUST lock down your**  
**configuration and cycle the key!!!**

## SPECIFICATIONS

Input Impedance	1M Ohm
Input Channels	6
Input Options	High Level or Low Level
Input Type	Differential balanced
Input Voltage (high level range)	0 - 28-volts (peak-to-peak)
Input Voltage (low level range)	0 - 4.9-volts (peak-to-peak)
Output Channels	10
Output Voltage	Up to 5-volts RMS
Output Impedance	50 Ohms
Equalizer Type	31 Band Graphic EQ, +/- 10dB
THD	<0.03%
Frequency Response	20Hz - 20kHz
Crossover	3-Way LPF, BPF, HPF THP per channel
Crossover Type	Linkwitz-Riley 24db slope
Sampling	48kHz
S/N Ratio	105dB @ 5-volts RMS

Operating Voltage	10-16 volts DC
Standby Current Draw	7mA
Operation Current Draw	150mA
Adjustments/Controls	Application via Bluetooth
Remote Output	12 volts DC (signal sense or with ignition)

### Speaker Assignment



Visit [AxxessInterfaces.com](https://AxxessInterfaces.com) for more detailed information about the product and up-to-date vehicle specific applications

[illegible]



## AXDSPX-HN3

INSTALLATION INSTRUCTIONS

Having difficulties? We're here to help.



Contact our Tech Support line at:

**386-257-1187**



Or via email at:

[techsupport@metra-autosound.com](mailto:techsupport@metra-autosound.com)

### Tech Support Hours (Eastern Standard Time)

Monday - Friday: 9:00 AM - 7:00 PM

Saturday: 10:00 AM - 5:00 PM

Sunday: 10:00 AM - 4:00 PM



**Metra recommends MECP  
certified technicians**