

Installation instructions for part AX-ADCH03

# AX-ADCH03 Chrysler Data Interface 2013-up

### INTRODUCTION

The AX-ADCH03 is designed to and must be used with the AX-ADB0X1 or AX-ADB0X2 (sold separately).

### FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (retained accessory power)
- Used in non-amplified or amplified models
- Provides NAV outputs (parking brake, reverse, and speed sense)
- Pre-wired ASWC-1 harness included (ASWC-1 sold separately)

- Retains backup camera (if through the OE radio)
- Retains the OE 3.5mm AUX-IN jack
- Retains balance and fade
- Micro "B" USB updatable

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### **INTERFACE COMPONENTS**

- AX-ADCH03 harness
- 4-pin harness with stripped leads

### **TOOLS REQUIRED**

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

CHRYSLER FIAT RAM RAM (Cont'd) 2014-up 1500, 2500, 3500 (small Promaster (with 5" 200 I X 2015-up 500L 500X 2016-up screen option) 2013-up screen or NAV) 2014-up DODGE Promaster City 2015-up Chassis Cab 3500, 4500, Dart (small screen option) JEEP 5500 (small screen 2013-up Cherokee Sport 2014-up option 2013-up 2015-up Renegade

**APPLICATIONS** 

**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

**Attention!** This interface will work with models that are either factory amplified, or nonamplified. Please follow the instructions carefully for your model vehicle. Failure to do so will result in either no sound, or low sound. If you are unsure if your vehicle is factory amplified or not, please contact your local Dealer.

## For models *without* a factory amplifier:

# From the 16-pin harness with stripped leads to the aftermarket radio (supplied with the AX-ADBOX interface, sold separately):

• Connect the Red wire to the accessory wire.

**Note:** If installing the ASWC-1 (sold separately), there will be an accessory wire there to connect as well.

• If the aftermarket radio has an illumination wire, connect the Orange/White wire to it.

The following (3) wires are only for multimedia/navigation radios that require these wires.

- Connect the Blue/Pink wire to the VSS/speed sense wire.
- Connect the Green/Purple wire to the reverse wire.
- Connect the Light Green wire to the parking brake wire.
- Tape off and disregard the following (10) wires, they will not be used in this application: Blue/White, Brown, Gray, Gray/Black, Green, Green/Black, Purple, Purple/Black, White, White/Black.

### From the AX-ADCH03 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the Yellow wire to the battery wire.
- Connect the Gray wire to the right front positive speaker output.
- Connect the Gray/Black wire to the right front negative speaker output.
- · Connect the White wire to the left front positive speaker output.
- Connect the White/Black wire to the left front negative speaker output.
- Disconnect the (2) 4-pin connectors that have Green, Green/Black, Purple, and Purple/Black wires.
- Connect the 4-pin harness with stripped leads to the 4-pin connector on the 52-pin harness.
- Connect the Green wire to the left rear positive speaker output.
- · Connect the Green/Black wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the Purple/Black wire to the right rear negative speaker output.
- If the vehicle is equipped with a backup camera, connect the Yellow RCA jack to the backup camera input of the aftermarket radio.
- If the vehicle is equipped with a 3.5mm AUX-IN jack, connect the White and Red RCA jacks to the audio AUX-IN jacks of the aftermarket radio.



## Connections to be made

**Attention!** <u>This interface will work with models that are either factory amplified</u>, or nonamplified. Please follow the instructions carefully for your model vehicle. Failure to do so will result in either no sound, or low sound. If you are unsure if your vehicle is factory amplified or not, please contact your local dealership.

## For models with a factory amplifier:

# From the 16-pin harness with stripped leads to the aftermarket radio (supplied with the AX-ADBOX interface, sold separately):

• Connect the Red wire to the accessory wire.

**Note:** If installing the ASWC-1 (sold separately), there will be an accessory wire there to connect as well.

- Connect the **Blue/White** wire to the amp turn on wire. This wire must be connected to hear sound from the factory amplifier.
- If the aftermarket radio has an illumination wire, connect the Orange/White wire to it.
- Connect the Gray wire to the right front positive speaker output.
- · Connect the Gray/Black wire to the right front negative speaker output.
- · Connect the White wire to the left front positive speaker output.
- · Connect the White/Black wire to the left front negative speaker output.
- Connect the Green wire to the left rear positive speaker output.
- Connect the Green/Black wire to the left rear negative speaker output.
- Connect the Purple wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative speaker output.

## Connections to be made

The following (3) wires are only for multimedia/navigation radios that require these wires.

- Connect the Blue/Pink wire to the VSS/speed sense wire.
- Connect the Green/Purple wire to the reverse wire.
- Connect the Light Green wire to the parking brake wire.
- Tape off and disregard the **Brown** wire, it will not be used in this application.

### From the AX-ADCH03 harness to the aftermarket radio:

- Connect the Black wire to the ground wire.
- Connect the Yellow wire to the battery wire.
- Leave connected the (2) 4-pin connectors that have Green, Green/Black, Purple, and Purple/Black wires.

Note: The 4-pin harness with stripped leads will not be used in this application.

- Tape off and disregard the following (4) wires, they will not be used in this application: Gray, Gray/White, White, White/Black.
- If the vehicle is equipped with a backup camera, connect the **Yellow** RCA jack to the backup camera input of the aftermarket radio.
- If the vehicle is equipped with a 3.5mm AUX-IN jack, connect the White and Red RCA jacks to the audio AUX-IN jacks of the aftermarket radio.

## Installing the AX-ADCH03

#### With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AX-ADCH03 harness, into the interface.
- Connect the AX-ADCH03 harness into the vehicle.



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## Initializing the AX-ADCH03

**Attention!** If the interface loses power for any reason, the following steps will need to be performed again. Also, if installing an ASWC-1 connect it after you initialize and test the interface/radio, with the key in the off position.

### For the Fiat 500L and Ram Promaster City:

- Initialize the interface by first turning the hazard lights on.
- · Connect the 52-pin harness into the vehicle.
- Turn the key (or push-to-start button) to the ignition position and wait until the radio comes on.

**Note:** If the radio does not come on within 60 seconds, turn the key to the off position, disconnect the interface, check all connections, reconnect the interface, and then try again.

 Turn the key to the off position, and then to the accessory position. Turn off the hazard lights. Test all functions of the installation for proper operation, before reassembling the dash.

### For all other models:

• Turn the key (or push-to-start button) to the ignition position and wait until the radio comes on.

**Note:** If the radio does not come on within 60 seconds, turn the key to the off position, disconnect the interface, check all connections, reconnect the interface, and then try again.

• Turn the key to the off position, and then to the accessory position. Test all functions of the installation for proper operation, before reassembling the dash.

# Adjusting the AX-ADCH03

### Audio level adjustment (if equipped with a factory amplifier):

- With the vehicle and radio turned on, turn the volume up 3/4 of the way.
- With a small flat-blade screwdriver, adjust the potentiometer clockwise to raise the audio level; counterclockwise to lower the audio level.
- Once at a desired level, audio level adjustment is complete.

