



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-ADBOX1 or AX-ADBOX2 (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

APPLICATIONS

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

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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

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.

REV. 5/11/2016 INSTAX-ADCH03





Connections to be made

Attention! This interface will work with models that are either factory amplified, or non-amplified. 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! This interface will work with models that are either factory amplified, or non-amplified. 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.



Installation instructions for part AX-ADCH03



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.

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.



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