



## Installation instructions for part AX-CH013

# AX-CH013 Chrysler CAN data interface 2004-up

### INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (retained accessory power)
- Provides NAV outputs (parking brake, reverse, and speed sense)
- Prewired ASWC-1 harness (ASWC-1 sold separately)
- Can be used in both amplified and non-amplified models
- Retains balance and fade (non-amplified models only)
- Micro "B" USB updatable

### APPLICATIONS

*Applications below use the LD-BX-CH1 harness:*

<b>CHRYSLER</b>	<b>DODGE</b>	Magnum 2005-2007	<b>JEEP</b>	Patriot 2007-2008
300 2005-2007	Caliber 2007-2008	Ram 2500/3500 2009	Commander 2006-2007	
Aspen 2007	Charger 2006-2007	Ram 2006-2008	Compass 2007-2008	<b>MITSUBISHI</b>
PT Cruiser 2006-2010	Dakota 2005-2007	Ram Chassis Cab	Grand Cherokee	Raider 2006-2007
	Durango 2004-2007	2006-2010	2005-2007	

### APPLICATIONS

*Applications below use the LD-BX-CH2 harness:*

<b>CHRYSLER</b>	Caliber 2009-2012	Nitro 2007-2011	Grand Cherokee	<b>RAM</b>
200 2011-up	Grand Caravan 2008-up	Ram 2010-2011	2008-2013	1500/2500/3500 2012
300 2008-2010	Challenger 2008-2014	Ram 1500 2009	Liberty 2008-2012	Chassis Cab 2012
Aspen 2008-2009	Charger 2008-2010	Ram Chassis Cab 2011	Patriot 2009-up	C/V Tradesman
Sebring 2007-2010	Dakota 2008-2011	<b>JEEP</b>	Wrangler 2007-up	2012-2015
Town & Country 2008-up	Durango 2008-2013	Commander 2008-2010	Wrangler Unlimited	
	Journey 2009-2010	Compass 2009-up	2007-up	<b>VW</b>
<b>DODGE</b>	Magnum 2008-2009			Routan 2009-2013
Avenger 2008-2014			<b>MITSUBISHI</b>	
			Raider 2008-2009	

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### INTERFACE COMPONENTS

- AX-CH013 interface • LD-BX-CH1 harness
- LD-BX-CH2 harness

### TOOLS REQUIRED

- Cutting tool • Tape • Crimping tool
- 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.



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## Connections to be made

### From the LD-BX-CH1 OR LD-BX-CH2 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
  - Connect the **Yellow** wire to the battery wire.
  - Connect the **Red** wire to the accessory wire.
- Note:** If installing an 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** wire to it.
  - If the vehicle is equipped with a factory amplifier, connect the **Blue/White** wire to the amp turn on wire. This wire must be connected to hear sound from the factory amplifier.
  - Connect the **Blue** wire to the power antenna 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.
  - 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.

*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.

### 12-pin pre-wired ASWC-1 harness:

- This harness is to be used along with the optional ASWC-1 (not included) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming.

**Note:** *Disregard the harness that comes with the ASWC-1.*



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## Installing the AX-CH013

### With the key in the off position

- Connect either the LD-BX-CH1 or LD-BX-CH2 harness into the interface, and then to the wiring harness in the vehicle.

**Note:** *If using the ASWC-1, connect it after you initialize and test the AX-CH013, with the key in the off position.*

## Initializing the AX-CH013

**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.*

- 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.