

Chrysler vehicles 2007-up*

INTERFACE FEATURES

- Provides accessory (12-volt 10 amp)
- Retains R.A.P. (retained accessory power)
- Used in amplified, non-amplified systems, or digital amplified systems
- Provides NAV outputs (parking brake, reverse, and V.S.S.)
- ASWC-1 harness included (ASWC-1 sold separately)
- Adjustable gain control for overall volume (on amplified systems)
- Retains blind spot detection system (if equipped)
- High level speaker input
- Micro “B” USB updatable
- Retains balance and fade

INTERFACE COMPONENTS

- CHTO-03 Interface
- 16-pin harness with stripped leads
- 10-pin harness to 22-pin Chrysler harness with stripped leads
- 4-pin harness with stripped leads

APPLICATIONS

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TOOLS REQUIRED

- Cutting tool • Crimping tool • 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.

APPLICATIONS

CHRYSLER

200	2011-up
300	2008-2010
Aspen	2008-2009
Sebring	2007-2010
Town and Country	2008-up

DODGE

Avenger	2008-up
Caliber	2009-2012
Challenger	2009-up
Charger	2008-2010
Dakota	2008-2011
Durango	2008-2013
Grand Caravan	2008-up
Journey	2009-2010
Magnum	2008-2009
Nitro	2007-2011
Ram 1500	2009
Ram 2500/3500	2010-2011

JEEP

Commander	2008-2010
Compass	2009-up
Grand Cherokee	2008-2013
Liberty	2008-2012
Patriot	2009-up
Wrangler	2007-up

MITSUBISHI

Raider	2008-2009
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Ram

1500/2500/3500	2012
C/V Tradesman	2012-up
Chassis Cab 3500/4500/5500	2012

CONNECTIONS TO BE MADE

From the 16-pin harness

- Connect the (2) **Red** wires to the ignition/accessory wire of the aftermarket radio.
- Connect the **Orange/White** wire to the illumination wire of the aftermarket radio. If the aftermarket radio does not have an illumination wire, tape off the **Orange/White** wire.
- Connect the **Blue/White** wire to the amp turn on wire of the aftermarket radio.
- Tape up the **Brown** wire. It will not be used in this application.

For vehicles with built-in navigation (only), make the following connections:

- Connect the **Light Green** wire to the parking brake wire of the aftermarket navigation radio.
- Connect the **Blue/Pink** wire to the VSS or speed sense wire of the aftermarket navigation radio.
- Connect the **Green/Purple** wire to the reverse wire of the aftermarket navigation radio.

Only make the following connections if the vehicle is amplified:

- Connect the **White** wire to the left front positive speaker output of the aftermarket radio.
- Connect the **White/Black** wire to the left front negative speaker output of the aftermarket radio.
- Connect the **Gray** wire to the right front positive speaker output of the aftermarket radio.
- Connect the **Gray/Black** wire to the right front negative speaker output of the aftermarket radio.
- Connect the **Green** wire to the radio's left rear positive speaker output.
- Connect the **Green/Black** wire to the radio's left rear negative speaker output.
- Connect the **Purple** wire to the radio's right rear positive speaker output.
- Connect the **Purple/Black** wire to the radio's right rear negative speaker output.

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CONNECTIONS TO BE MADE (CONT.)

From the 22-pin Chrysler harness

- Connect the **Yellow** wire to the radio's 12-volt battery or memory wire.
- Connect the **Black** wire to the radio's ground wire.
- Connect the **Blue** wire to the radio's amp turn on wire if populated on the factory side.

For non-amplified vehicles (only), make the following connections:

- Disconnect the (2) 4-pin connectors, with the **Purple** and **Green** wires in it.
- Connect the 4-pin harness with stripped leads to the 4-pin connector, with the **Purple** and **Green** wires, coming from the **Gray** 22-pin connector.
- Connect the **Green** wire to the radio's left rear positive speaker output.
- Connect the **Green/Black** wire to the radio's left rear negative speaker output.
- Connect the **Purple** wire to the radio's right rear positive speaker output.
- Connect the **Purple/Black** wire to the radio's right rear negative speaker output.

Tip: *If you are unsure if your vehicle is amplified or not, note that these following wires will only be populated in the factory harness if non-amplified.*

- Connect the **White** wire to the left front positive speaker output of the aftermarket radio.
- Connect the **White/Black** wire to the left front negative speaker output of the aftermarket radio.
- Connect the **Gray** wire to the right front positive speaker output of the aftermarket radio.
- Connect the **Gray/Black** wire to the right front negative speaker output of the aftermarket.

CONNECTIONS TO BE MADE (CONT.)

From the 12-way harness

- This harness is for the ASWC-1 (sold separately). Please refer to the ASWC-1 instructions for programming.

INSTALLING THE CHTO-03

- With all connections completed to the aftermarket radio, plug the 22-pin harness into the vehicles wiring harness.
- Reconnect the negative battery terminal.
- Cycle the key, by turning the ignition on for 30 seconds. Then off and on again to test the radio.

TESTING THE CHTO-03

- Turn the ignition on if not already, and then turn the radio on to verify that the radio works. Check balance and fader controls for proper operation.

For amplified models only:

- To adjust the overall volume of your audio system rotate the potentiometer, which is located on the 16-pin side of the interface clockwise.