

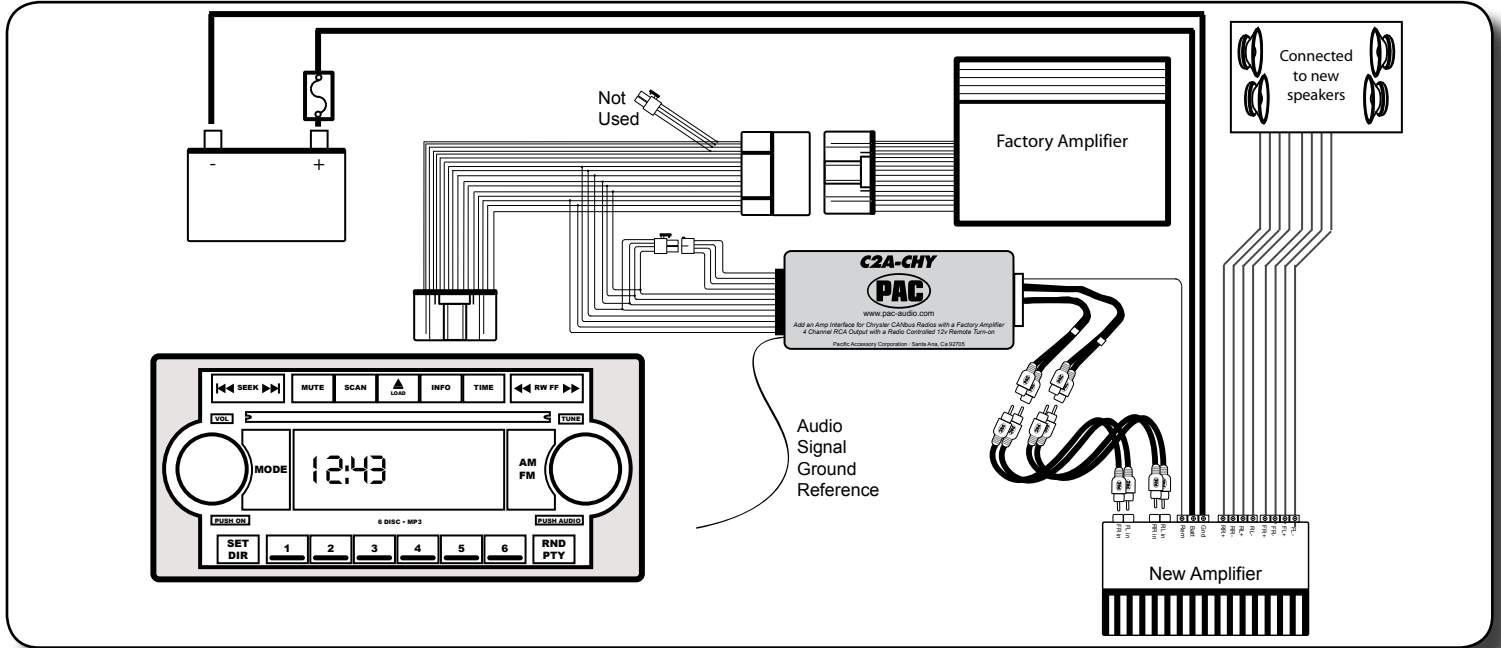


# C2A-CHY

**Add-an-Amp Interface for Chrysler Dodge and Jeep CAN-bus radios REF, REC RAQ and RAK with a Factory Installed Amplifier**



**The C2A-CHY provides a 4-channel pre-amp output signal for use with aftermarket amplifiers. This interface uses the full range fixed level headunit output in conjunction with CAN-bus messages and delivers a 5v RMS (max) pre-amp output with fading and balance capabilities. A radio controlled remote turn on wire is also provided by the C2A-CHY.**



### Installation:

This interface is for use in a Chrysler / Dodge / Jeep vehicle with the REF, REC, RAQ, RAK radio and the factory installed amplifier. The radio's name can be found on the face of the radio and the amplifier is usually branded Alpine, Boston Acoustic, Infinity or Kicker. In order for the C2A-CHY to function correctly, the factory amplifier **MUST** be connected to the vehicles wiring. If the factory amplifier is or has been removed from the vehicle the AOEM-CHR2 must be used instead. Either interface will connect at the radio.

1. Remove the factory radio and connect the c2a-chyp harness between the original radio connector and the radio. If more that one "T-harness" is installed make sure the c2a-chyp is connected to the radio and other "T-harnesses" are connected after the c2a-chyp.
2. The 18-pin black Molex attached to the c2a-chyp has 2 four (4) pin connectors attached to it. These must plug into each other. These connectors only fit in one way and when connected correctly you will have the following wire color combinations: Wht/Blk → Grn/Blk, Gry/Blk → Pur/Blk, White → Green, Grey → Purple
3. The 11-pin white output cable has the RCA connections and remote turn on wire. The remote turn wire is powered only when the radio is on. This is **not** a R.A.P (Retained Accessory Power) wire. Connect the amplifiers RCA cables to the appropriate output (front - rear). Both front and rear outputs do not need to be used.
4. Connect the 18-pin Molex and 11-pin output connector to the C2A-CHY interface. There is a Black wire coming out of the C2A-CHY. This wire will not be used in all installations. Test your amplifier for continuity from the RCA shield to the ground connection terminal. If continuity exists, do not connect this black wire, isolate and do not use. If there is no continuity or if there is high resistance between these two points, connect the black wire to the radio's ground wire.
5. There are no adjustments on this interface, the radio's fader and balance will control the C2A-CHY. Re-install the radio.
6. Each amplifier, depending on power output and input sensitivity, will need to be adjusted differently. The gain of the new amplifier will need to be adjusted to blend in with the existing speakers or set to a desired level.

**DISCLAIMER: Under no circumstances shall the manufacturer or the distributors of the C2A-CHY be held liable for consequential damages sustained in connection with the C2A-CHY. The manufacture and it's distributors will not, nor will they authorize any representative or any other individual to assume obligation or liability in relation to the C2A-CHY other than its replacement.**