CORVETTE

A2D-C5 (v 4.6.20)

QUICK START STREAMING MODULE INSTALLATION GUIDE FOR 1997-04 CORVETTE WITH FUNCTIONING 12-DISC CD CHANGER

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PRODUCT SAFETY & DISCLAIMER
READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING, FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY

- This installation guide is provided as a GENERAL installation guide; some vehicles vary and may require additional steps. We do not accept responsibility for third party labor charges or modifications. Exercise due-diligence when installing this product.
- We do not accept any responsibility for vehicle damage or personal injury resulting from the installation of this product.
- Careless installation and operation can result in equipment damage.

Requirements:

1997-04 Corvette
A fully functioning 12-disc CD Changer in trunk/hatch

Introduction:

If your C5 has a functioning 12-disc changer and looking to add music streaming; the A2D-C5 is for you! **Users may opt to connect module at the radio or 10-pin CD changer plug at changer location in hatch/trunk.** <u>The required 12-disc CD changer remains connected and operational;</u> however, if vehicles 12-disc changer malfunctions, this module will not work. To operate, simply pair smartphone or tablet and enjoy GPS prompts, Apple music, Pandora and more on the car system. All controls and display remain with audio device – C5 radio buttons (except volume) do not apply.
See Frequently Asked question at the end of this guide.

Installation 1: Connects to the radio

Warning: Harness in Fig. 2connects module to the back of the radio. Harness in Fig.8 connects module to 10-pin "CD" plug in trunk/hatch. **Regardless of install location, a functioning CD changer is required.** (Don't ignore this warning)

Radio removal required. (*Click links below for radio removal video*)
https://www.youtube.com/watch?v=Gcrlufolctc
   https://www.youtube.com/watch?v=WTbWYNJTSDs

1. Press black release tab to disconnect 20-pin plug from radio. (See **Fig. 1**)

Fig. 1

2. Connect factory 20-pin plug (from step 1) to installation harness matting 20-pin white socket (See **Fig. 2**).
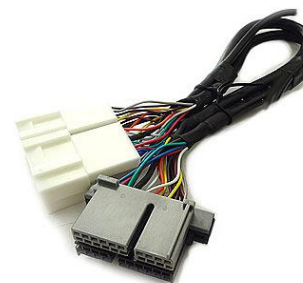

Fig. 2
radio install harness

3. Connect installation harness 20-pin black/gray plug (See **Fig. 2**) to radio 20-pin socket vacated in step 1
4. Tuck and secure any extra wires away from moving parts and **proceed to "Pairing" on page 5.**
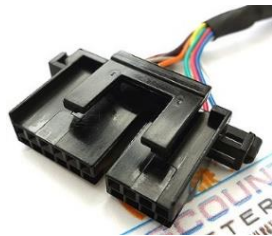
Installation 2: (To 10-pin plug in trunk/hatch)

Warning: This installation option is completed at the vehicles rear and vehicle must have a **CD changer. Changer remains connected and functional**. If vehicle does not have a CD changer or if it malfunctions; the A2D-C5 **will not work.**

1. Locate factory changer in trunk/hatch (See **Fig.3**) and disconnect 10-pin plug (See **Fig. 5**). Disconnect plug from CD changer by reaching underneath the changer, pressing release tab or dismount changer from bracket.
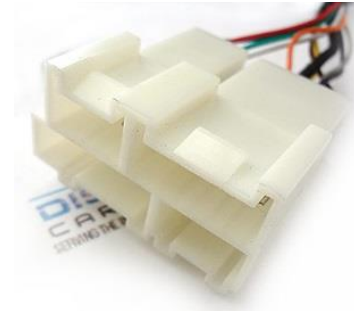

Fig. 3
12-disc changer in hatch

2. Connect factory 10-pin plug (See **Fig. 4**) to 10-pin socket (white) on install harness (**See Fig. 5**)

Fig. 4
10-pin plug

Fig. 5
socket

a. Connect 10-pin plug from install harness (See **Fig. 4** to 12-disc changer socket vacated in step 1 (See **Fig.**)

Fig. 6
cd changer connector

b. Run accessory wire to suitable 12V⁺ Acc supply at fuse panel.

Where to get 12V ACC/Switched power

Wiring accessory wire to fuse panel etc. applies only to installs at the 10-pin CD changer plug.

1997-03 vehicles have a 3-pin plug under passenger seat near BCM (may be covered in black duct tape) – (See **Fig. 7) The yellow wire is ACC**. If vehicle does not have 3-pin plug; go to **Alternate 12V Acc. supply.**
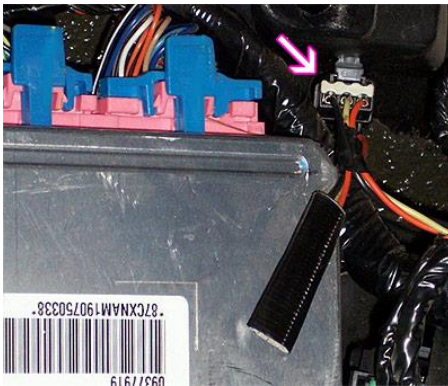

Fig.7

Note: 3-pin plug may not be present in all vehicles and may have been omitted from model year 2004**.**

Convertibles:

It is also possible to get 12V from factory antenna wiring behind passenger side trunk area. Simply pull carpet away and locate 3-pin wire plug (orange, pink, black) (See **Fig. 8**). The pink will power module when radio is turned on/off. Tap/splice included accessory wire (red) to pink wire on 3-pin plug.

pink wire

Fig. 8

Alternate 12V Acc. supply:

Fuse #11 of interior fuse box (under passenger toe board) as seen in **Fig. 10** is a good alternate.
The add-a-fuse mini-tap circuit seen in **Fig. 9** is included for this purpose.

Empty fuse slot
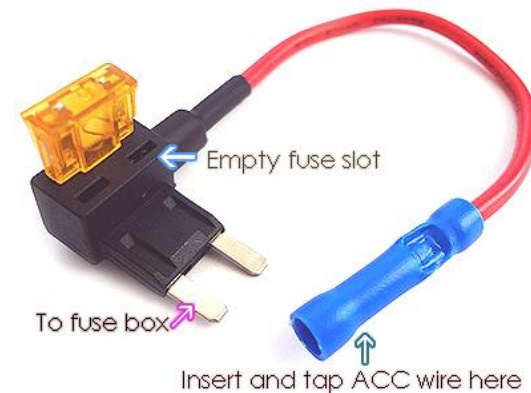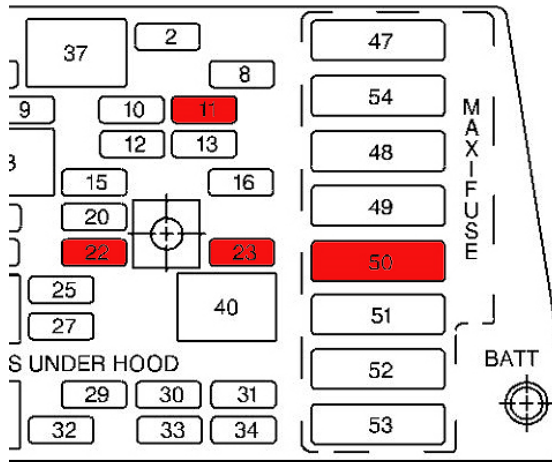
To fuse box

Insert and tap ACC wire here

Fig. 9

fuse tap circuit

How to use the Add-a-fuse circuit connection

a. Strip 1/4- 3/8" insolation from included accessory wire.
b. Look inside blue connector to see where metal ends. Useful in step d.
c. Insert stripped wire to blue connector (See **Fig. 4**)
d. Hold wire in place and crimp down (crimping too, plyers etc.) After crimp, **pull wire to verify crimp integrity**.
e. Remove fuse #11 (if present) from vehicle fuse box otherwise skip to **step g.**
f. Insert factory fuse to empty slot on add-a fuse circuit
g. Insert add-a-fuse circuit to fuse slot # 11

Noteworthy: If slot #11 has no fuse; the empty fuse slot on add-a-fuse tap remains empty. To test your connection simply turn ignition "ON" and verify LED (seen through peephole) is flashing, otherwise check voltage at fuse slot and/or check crimp integrity,

Fig. 10

C5 interior fuse box (yours may be different)

Noteworthy: If streaming is interrupted when headlights, wipers, defroster, A/C etc.; the 12V circuit used to power module is drawn too low.
To resolve find an alternate 12V ACC circuit to power module.
Also, on rare instances if smartphone volume is set too high, it will "clip" and module will un-pair and reconnect intermittently.
To resolve, lower volume on audio device.

h. Tuck and secure any extra wires away from moving parts and **proceed to "Pairing"**

Pairing

Pairing process varies among devices but the process is the same. These steps are done upon initial install and will not have to be repeated. The range on this device is approximately 20 ft., so operation is possible if audio device is within range.

1. Turn Ignition and radio "ON"
    Green LED inside module peephole will flash (pairing mode)
2. On A2DP device: Go to **Settings, Wireless & Networks, Bluetooth Settings**
3. Select **Bluetooth** and turn on.
4. Select Bluetooth settings
5. Tap **Scan (Search) for devices**.
6. Wait for Bluetooth device name (See below) to appear and select it.
    Green LED inside module peephole will glow steady (paired)

Optional equipment

The following options are not required for the module to work; however, these two options enhance user experience.

To add remote to order simply tick box on product page

1. Remote Control:

Wireless remote is not required for module to work, however instead of fumbling audio device; you simply press the familiar remote-control buttons while also keeping your eyes on the road.

    Optional remote control allows users to:
1. Control music wirelessly
2. Track up/down
3. Volume up/down
    Bluetooth remote does not control C5 radio functions.

Pairing Bluetooth remote:
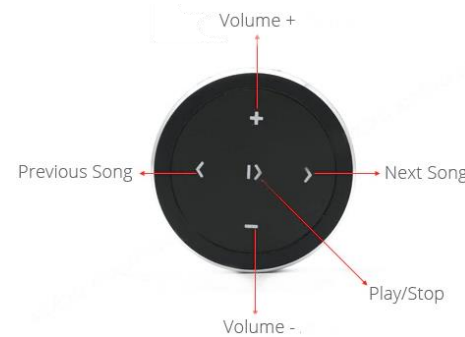

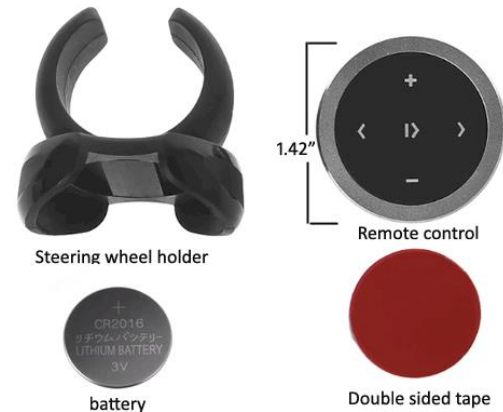Press and hold for 3 sec. to enter pairing mode

Blue LED will start flashing

Select smart remote to pair

Remote Control Operation:
Use wireless remote to perform the following functions on any iOS7.0 and higher or Android 4.4 and higher.

Volume +
Previous Song
Next Song
Play/Stop
Volume -

Contents:

Steering wheel holder

1.42"

Remote control

battery

Double sided tape

2. USB "Fast charge" Kit

Optional USB Kit provides a USB port for users to connect and charge those power-hungry devices while on the road. Custom install USB port in a convenient location and discover how this charger is a massive improvement over many anemic aftermarket cigar lighter chargers.

To add USB charging kit, select installation harness with USB port.

For example:

1. **PXHGM4 (to radio) + USB Charging Kit:** connects module at radio and includes USB charging port, extension cable and mounting plate

2. **PXHGM4 (to radio)** connect module at radio but **DOES NOT** include USB charging Kit.

USB charging kit it not currently offered with PXHGM2 harness (to trunk/hatch).

Optional USB Charging port

Charging notes:

1. iPhone "Fast charge" kicks in when battery capacity is between 0% and 79%, but stops when it reaches 80%. Fast charge is available on iPhone 8 and later.
2. Supports BC1.2, QC2.0, QC3.0, PE1.1, PE2.0, FCP, SFCP fast charge protocols (Apple, Samsung, Huawei etc.)

USB Installation

A. **Flush to dash/panel requires drilling a ¾" hole in the dash**
B. **Flush with Support bracket** (use this option to mount USB terminal <u>without drilling</u>)

A. **Flush to Dash or Panel (drilling required)**

1. Drill a ¾" hole to dash or panel using a step drill bit or equivalent (See **Fig. 11**)

Fig. 11
Step drill bit

2. Insert 3ft. USB cable (See **Fig. 10**) through ¾" hole created in step 1 connect to USB port on install harness (See **Fig. 11**)
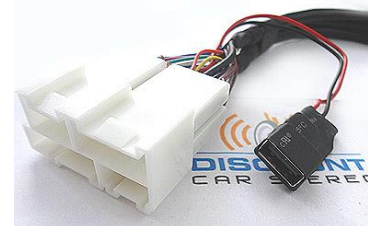

Fig. 12
USB cable

Fig. 13

3. Snap USB head (See **Fig. 13**) to hole in panel until flush with surface (See **Fig. 14**)

Fig. 13
USB head

Fig. 14
Flush mounted to dash

B. **Bracket Mount** (No drilling)

1. Locate a flat surface at location of choice within 3.2 ft. of radio to mount USB support bracket (See **Fig. 15**)
2. Use tape backing or screws to secure bracket

Fig. 15
mounting bracket

3. Insert 3ft. through hole in bracket (See **Fig. 16**) and mate to USB type-C port on (See **Fig. 14**)

Fig. 16

4. Snap USB head to bracket until flush (See **Fig. 17**)

Fig. 17

Alternate: Connect audio device charging cable directly to USB type-C terminal (See **Fig. 13**) and route the plug to dash area or where audio device will reside.

Test Operation

1. Turn radio "ON"
2. Press "**AUX**" button on radio
3. Launch audio streaming application.
4. Set initial volume control on audio device to 50%-- adjust as needed based on playback quality (reduce if distorted). Use radio volume button to set playback level.

Warning: Playlist and Track selection is *NOT* possible with C5 radio button. Use audio device built-in controls or optional wireless remote to access and control audio files and applications

Listening to the CD changer:

1. Press **"AUX"** button on radio
   (Ensure at least one disc is loaded to the CD changer magazine)
2. **Disable Bluetooth on audio device**. CD playback is now enabled.
   (Control CD from radio buttons as customary)
3. To resume streaming:
   Re-enable Bluetooth in audio device settings. Once device pairs, you are now back to streaming mode.
   Note: Streaming has priority and remains until smart device is unpaired. CD changer playback is only possible when Bluetooth is disabled or smart device is no longer within range.

5. If correct operation is confirmed, tuck away any extra wires and enjoy!

Important:
1. Android users with optional wireless remote: Simply press **play/pause** button to switch between music streaming and CD changer playback.
2. CD changer functionality is retained and **at least one disc must be loaded to changer magazine.**

Feature comparison

Bluetooth Hands-free calls + audio streaming (A2DP)—See table 1. Audio streaming only- See Table2

Table 1

Modules	A2DIY-C5CD	C5CD-HF	A2DIY-C5	C5-HF
Retains changer playback	YES	*	NO	NO
Requires working CD changer	YES	YES	NO	NO
Audio input jack (Aux in)	*	YES	YES	YES
USB charging port	*	included	*	included
Hands-free calling (HPF)	YES	YES	YES	YES
Music Streaming (A2DP)	YES	YES	YES	YES
Connection (To Radio)	YES	YES	YES	YES
Connection (trunk)	NO	NO	NO	NO
VR support	YES	YES	YES	YES
Wireless remote control	included	³	included	³
Controls from radio buttons	NO	NO	NO	NO

Table 2

Modules	A2D-C5	BLU-C5	A2D-C5FM
Retains changer playback	YES	NO	YES
Requires working CD changer	YES	NO	NO
Audio input jack (Aux in)	NO	²	YES
USB charging port	*	*	NO
Hands-free calling (HPF)	NO	NO	NO
Music Streaming (A2DP)	YES	YES	YES
Connection (To Radio)	YES	YES	YES
Connection (trunk)	YES	YES	NO
VR support (Google only)	**	**	NO
Wireless remote control	*	*	NO
Controls from radio buttons	NO	NO	NO

*Optional (Select from product order page)
** Google Voice recognition possible with optional remote control
² PX35 cable required (sold separately)
³ **Optional media button available here**

Frequently asked questions & troubleshooting

1. **Does the A2D-C5 require a CD changer to work?**
   YES; Vehicle must have a fully functioning 12-disc Changer which remains connected and operational. **The A2D-C5 will not work if changer malfunctions in any way. Please verify changer operation prior to ordering.**

2. **The 12-disc changer in my C5 does not work, will I be able to use the A2D-C5 or is there another solution for music streaming?**
   If vehicle does not have a functioning 12-disc changer, purchase our A2D-C5FM audio streaming module.

3. **Will I be able to install the A2D-C5 at the radio instead of trunk/hatch?**
   YES, The A2D-C5 connects to radio (PXHGM4 harness or 10-pin plug at cd changer location (PXHGM2 harness). Required 12-disc changer remains connected and functional

4. **Can you explain what's a CD changer?**
   Sure, CD changers are usually installed in remote areas (e.g., trunk, hatch, armrest, glove box, under seat etc.) and as the name implies; they are capable of holding multiple disc (3-15) into a magazine. In recent years many car manufacturers have built the CD changer into the AM/FM radio (e.g. 6-CD changer/radio). The C5 Corvette radio does not have a built-in CD changer, therefore all references to CD changer herein are to the 12-disc changer in trunk or hatch. To be clear; if only one disc can be loaded into radio, it is a single CD player not a changer.

5. **Why can't the module get its power from the CD changer harness?**
   C5's do not have accessory wire on radio harness or at CD changer plug in trunk/hatch. **All installations using the PXHGM2 harness requires running a 12V accessory wire from trunk/hatch to fuse panel under passenger front seat.**

6. **Does the A2D-C5 module support hands-free phone calls?**
   NO; The A2D-C5 does support Bluetooth streaming only. Purchase our A2DIY-C5CD or C5CD-HF (requires and retains CD Changer)

7. **Does the A2D-C5 work on all model/year Corvette radios?**
   NO; this module works on 1997-04 Corvette (C5) radios **with functional 12-disc changer (must have changer), otherwise purchase our A2D-C5FM**

8. **Bluetooth plays until turn signals, wipers, headlights etc. are switched on then Bluetooth cuts in/ out. Does this indicate a problem with module?**
   This is likely a fault in vehicles power supply or wiring. If Bluetooth playback is interrupted only when an accessory (e.g. wiper motors, headlights, rear defroster etc.) is turned on, this clearly indicated the added load is affecting **the circuit to which the module is connected**. If this issue is present in your C5, consider relocating module accessory wire to alternate ACC power supply location or seek professional help.

9. **How do I switch from streaming to CD changer playback?**
   Bluetooth streaming has priority (by default), and in order to listen to CD's (from changer), user must disable Bluetooth from audio device (e.g. Smartphone) or press the Play/Pause button on optional remote control (Android only). Once disabled, module switches to CD changer playback.

10. **I have a single CD player radio plus trunk mounted CD changer. How do I listen to the single CD player?**
    Accessing the single cd player does not change. Simply load DISC into player slot and it should begin to play. If DISC is already loaded, simply press the "CD" button. To access Bluetooth press CD/AUX button again: First press = single CD is activated, second press=Bluetooth/CD changer is activated. If radio has no DISC, a single press of the "CD/AUX" button enables Bluetooth/CD changer operation.

Disclaimer
- This product has no affiliation with GM or Apple
- When possible, professional installation is recommended

For additional questions, email support@discountcarstereo.com