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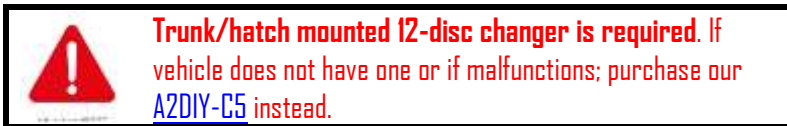
A2DIY-C5CD

QUICK START BLUETOOTH HANDS-FREE INSTALLATION GUIDE FOR SELECT 1997-04 CORVETTE WITH 1 2-DISC CD CHANGER

Created January 16, 2013
Revised September 9, 2020

Introduction:

If looking to add Bluetooth features to your American classic **with trunk/hatch mounted 12-disc changer** should consider the A2DIY-C5CD Kit. This revised easy to install kit is essential to adding Bluetooth features to the C5 radio. This module sounds great for mobile conversations, streaming Pandora, Sirius radio, Apple music, audiobook, podcast and more. The included wireless remote control can be mounted on the dash or steering wheel to adjust volume, track and more. In addition, an optional USB charging port is available to keep devices charged while on the road. Thanks to the A2DIY-C5CD kit users **keep the radio and CD changer** while enjoying Bluetooth features only available on newer cars.



See **Frequently Asked question** at the end of this guide for more details.

Installation: (To radio)

Remove radio from dash to gain access to connectors. *Click link below*

<https://www.youtube.com/watch?v=WTbWYNJTSDs>

1. Locate and disconnect factory 20-pin plug from radio as seen in **Fig. 1**



Fig. 1
radio connector

2. Connect factory 20-pin plug to installation harness 20-pin connector (white) See **Fig. 2**



Fig. 2



Fig. 3
installation harness

3. Connect installation harness 20-pin plug (black/gray) (See **Fig. 3**) to radio 20-pin connector (See **Fig. 1**)



Trunk/hatch mounted 12-disc changer

Playback options explained

These options are available at checkout:

1. Retain changer playback (**default**)
2. Auxiliary input (instead of changer playback)
3. Auxiliary input + changer playback (both)

Retain Changer playback:

Default option that allows users to retain use of their 12-disc changer.

Proceed to installation step 4.

AUX input (instead of changer playback):

This option allows users to connect and play a portable audio device (e.g. sat radio, Alexa, iPod, Mp3 etc.) instead of 12-disc changer)

WARNING: The required **CD changer remains connected but will no longer play.** (At least one disc must be loaded to magazine)

1. Connect included 3.5mm audio cable (See **Fig. 4**) to module "AUX" jack
2. Route audio cable plug to where audio device will reside (within 3 ft.)
3. **Proceed to installation step 4.**

AUX Jack+ changer playback

With this option, AUX plus 12-disc changer playback are possible.

1. Route installation harness aux jack (See **Fig. 5**) to glove box, dash area etc. (cable is 3 ft. long)
2. Drill a 1/4" hole in dash or panel and secure jack with included nut or leave freestanding.
3. To listen to audio device (e.g. Mp3 player) simply connects to jack. To listen to the CD changer, **disconnect audio device from jack** (jack must be empty during changer playback).

Proceed to installation step 4



Module



Fig. 4

3.5male to female audio cable



Fig. 5

4. Connect push-to-talk button 1/8" plug to Module "CTR" jack, route button to front of the dash, remove tape backing and stick to dash (cable is 6ft. long). (See **Fig. 6**)



Fig. 6

push-to-talk button

- Use visor clip to install microphone on headliner, route cable down pillar, under dashboard toward module location and connect to module "MIC" input.

The microphone incorporates noise filtering; however wind noise (Convertibles) will negatively affect phone calls. Instead of sun visor, convertible users are advised to locate alternate location for microphone. Also ensure no ventilation duct is pointed towards microphone.



Microphone

Revision (4.6.20)

what's new:

- Bluetooth **playback is now possible up and until radio turns off.** (Previous revision would turn on/off with ignition switch).
- No longer requires routing accessory wire to fuse panel.** Special circuit added to harness which powers module when radio is turned on/off. **Skip to "Optional USB" page 5**

Modules purchased prior revision (4.6.20); proceed to step 6 below.

- Connect (Tap) installation harness red wire to an ACC (Accessory or switched) 12V supply power source in vehicle.
- Connect red wire to accessory supply in your vehicle.

Optional push button with built-in microphone:

This option **replaces** standard visor microphone and separate push button shown in Fig. 6, and combines both in a single button. (See images below) which means button can be placed on dashboard within driver reach or custom installed nearby.

To install simply connect 1/8" plug to module "MIC/CTR" jack, route to dash area (cable is 6ft. long); clean surface, remove tape backing and secure to dash. (To add to cart, simply tap option on order page)



Where to get 12V Acc. supply:

1997-03: Many have a 3-pin plug under passenger toe board near BCM (may be covered in black duct tape) -- See **Fig.8 Yellow wire is ACC.** If vehicle does not have 3-pin plug; go to **Alternate 12V Acc. supply** below.



Fig. 8

Note: 3-pin plug may not be present in all vehicles.

Alternate 12V Acc. supply:

Fuse #22 or #11 of interior fuse box which is located under passenger toe board (See Fig. 9).

The add-a-fuse [mini-tap](#) circuit seen in Fig. 9a is included for this purpose.

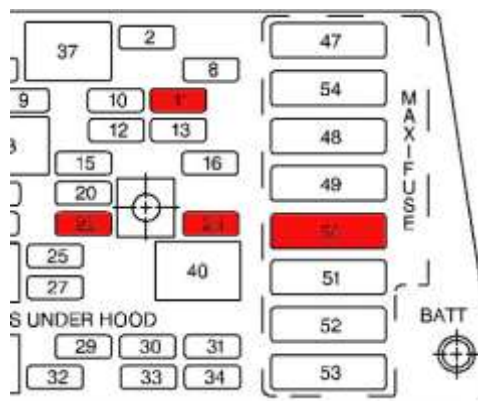


Fig. 9

How to use Add-a-fuse circuit

- Strip 1/4- 3/8" insulation from end of accessory wire.
- Look inside blue connector where metal ends. (useful in step d)
- Insert stripped wire to blue connector
- Hold wire in place and crimp down (crimping tool or pliers). After crimp, **pull wire to verify crimp integrity.**
- Remove fuse #22 or #11 (if present) from vehicle fuse box otherwise skip to **step g.**
- Insert factory fuse to empty slot on add-a fuse circuit (See **Fig. 9a**)
- Insert add-a-fuse circuit to fuse box slot #22 or #11

Noteworthy: If there is no fuse in slots #22 or #11, the fuse slot on add-a-fuse tap remains empty. (See **Fig. 9a**) Turn ignition "ON" to verify module LED is flashing, otherwise test fuse slot for power and/or check crimp integrity,

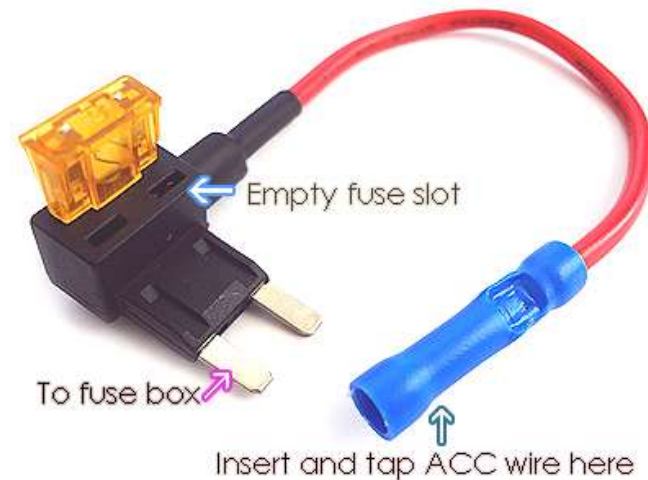


Fig. 9a

Add a circuit

Optional Smart charging port (not for thumb drives etc.)

An optional USB charging port can be added to your module. Should you decide on this add-on, we suggest one of 2 connecting options:

A. Flush to dash/panel requires drilling a $\frac{3}{4}$ " hole

B. Flush with Support bracket (Mount USB terminal wherever your installation demands without drilling)

A. Flush to Dash or Panel (drilling required)

Note: Alternately, user may modify cigar lighter opening

1. Drill a $\frac{3}{4}$ " hole in the dash or panel using a step drill bit or equivalent (See Fig. 10)



Fig. 10

Step drill bit

2. Insert male terminal from supplied 3ft. cable (See Fig. 11) through hole created in step 1 and connect to installation harness charging port (See Fig. 12)



Fig. 11

Flush mount 3 ft. USB cable



Fig. 12

USB port

3. Snap USB cable head (See Fig. 13) to hole created in step until flush with mounting surface (See Fig. 14)



Fig. 13

USB head



Fig. 14

Flush mounted to dash

4. Tuck and secure any extra wire from moving parts and test operation

B. Bracket Mount (No drilling)

1. Locate a flat surface at location of choice within 3.2 ft. of module to mount USB support bracket (See Fig. 15) using adhesive/tape or screws (included).



Fig. 15
USB mounting bracket

2. Insert USB cable male terminal through hole in bracket (See Fig. 16) and connect to installation charging port (See Fig. 12)



Fig. 16

3. Snap USB cable head (See Fig. 16) to bracket until flush (See Fig. 17)



Fig. 17

4. Tuck and secure any extra wire away from moving parts and test operation (*See Bluetooth Pairing and Connection*)

Smart remote

pairing smart remote: Pair to Smartphone for media control functions (does not operate C5 radio). The remote pairs with multiple devices but can only operate one at a time. Follow 3-step pairing process below:



Installing smart remote:

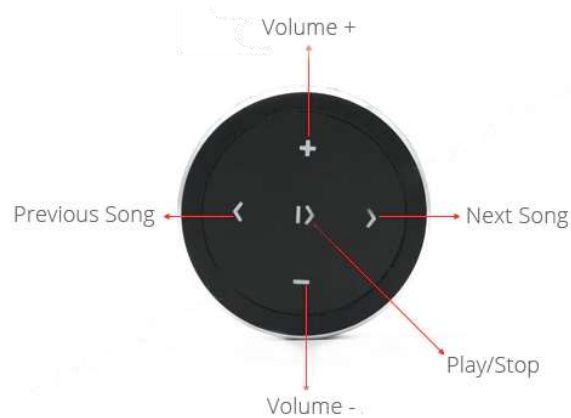
Install smart remote to dashboard or panel with provided holder or double side tape.



Custom install

Smart Remote operation:

With smart remote paired to smartphone, users may perform the following functions on devices with iOS7.0 and higher and Android 4.4 and higher.



In addition to above:

To answer/end call press **Play/Stop** button (Android only) or press push-to-talk button (Apple and/or Android)

To switch from streaming to AUX press, **Play/Stop** button (Android only) or press push-to-talk button (Apple and/or Android)

Noteworthy: Push-to-talk button must be used to answer/end calls on Apple devices; however both the push-to-talk button and wireless remote Play/Stop button can be used for this purpose. If your application is exclusive to Android, the push-to-talk button may not be required.

Bluetooth Pairing:

This process is done upon initial install and will not have to be repeated.

1. Turn ignition and radio "ON"
Blue LED through module peephole will flash (pairing mode)
2. On A2DP device: go to **Bluetooth Settings, Tap to Scan**
3. Wait for Bluetooth device name (See below) to appear and tap it.
Once paired confirmation tone is heard on car speakers

Bluetooth



Now discoverable as "King Solomon's iPhone".

MY DEVICES

LANNI

Connected ⓘ

Test Operation:

1. Turn ignition and radio "ON"
2. Press "TAPE/AUX" or "CD/AUX" button on radio
3. Launch smartphone music streaming application
4. Use smart remote to change tracks, adjust device volume, pause etc.
5. Place phone call or ask someone to call. Use push button to accept/end call (iPhone and Android) or press **pause/play** button on remote (Android only)

Note: Push button can be used to accept/end calls on both Apple and Android devices, however smart remote **pause/play** button only works on Android devices to accept/end calls and to switch between optional CD Changer playback and Bluetooth.

6. If correct operation is confirmed go ahead and reinstall radio.



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

Feature comparison:

The following chart illustrates the requirements and features offered by our exclusive C5 Bluetooth modules.

FYI: Our Bluetooth kits are defined as music streaming and/or hands-free.

Bluetooth music streaming modules **do not support hands-free calls**, but our hands-free calling modules **support music streaming**.

Features/Requirements	A2D-C5	A2DIY-C5	BLU-C5	A2DIY-C5CD	C5CD-HF	C5-HF
Retains changer playback	YES	NO	NO	YES*	YES*	NO
Requires CD changer	YES	NO	NO	YES	YES	NO
Audio input jack (Aux in)	NO	YES	NO	*	*	YES
USB charging port	optional	optional	optional	Optional	YES	YES
Supports Hands-free calls	NO	YES	NO	YES	YES	YES
Connect to radio	YES	YES	YES	YES	YES	YES
Connects to changer	YES	NO	YES	NO	NO	NO
Supports voice activation	**	**	**	**	YES	YES
Wireless remote control	optional	YES	optional	YES	NO	NO
Push-to-talk button	NO	YES	NO	YES	YES	YES
Controls from radio	NO	NO	NO	NO	NO	NO

*Optional: Aux input and/or CD changer playback retention

** Voice Activation possible with optional remote control (Android only)

Frequent asked questions

- What is the difference between the C5CD-HF and A2DIY-C5CD?**
 The A2DIY-C5CD includes a push-to-talk button and separate visor mic and a wireless remote. The C5CD-HF push-to-talk button has a built-in mic. See feature comparison table for more details.
- What is the difference between the A2D-C5 and A2DIY-C5CD?**
 The A2DIY-C5 both music streaming and Hand-free calls. The A2D-C5 does not support hands-free calls.
- Does the A2DIY-C5CD work on all C5 radios?**
 Works in 1997-04 C5 with Theftlock AM/FM/CD or AM/FM/Cassette with functioning 12-disc changer in trunk/hatch. (will not work if changer malfunctions). See our [A2DIY-C5](#)
- Will radio display call number or song name?**
 NO. These features are not possible on this generation C5 radio.
- Is it possible to control smartphone music from radio buttons?**
 NO; Use smartphone or audio device built-in controls or remote control or voice commands. Use radio volume button to set playback level.
- I selected the option to retain CD changer playback but how do I listen to CD's?**
 Press **CD AUX** or **TAPE AUX** button on radio to enter Bluetooth mode (if not already), then **press control button once (Android and Apple) or smart remote play/stop (Android only)**.
- I selected option to retain changer playback plus AUX input; but how do I listen to AUX device?**
 Press CD AUX or TAPE AUX button on radio to enter Bluetooth Mode (if not already), Connect aux device to 3.5mm jack, **press push button once (Android and Apple) or smart remote play/stop (Android only)**. To stream music, repeat aforementioned steps.
- I selected option to retain changer playback plus AUX input; but how do I listen to CD changer?**
 Press **CD AUX** or **TAPE AUX** button on radio to enter Bluetooth Mode (if not already), **ensure aux jack is empty, then press push button once (Android and Apple) or remote control play/stop (Android only)**

9. **Will radio mute when call is made and/or received?**
Muting is only possible when radio is in "AUX/Bluetooth mode. If in AM/FM mode; radio will not mute. Radio must be switched to "AUX" to hear callers voice on car speakers.
10. **My second phone does not pair or find Bluetooth module. What gives?**
Ensure **no other** phone is paired. Allow module to enter "**discovery**" mode at which point it will be ready for pairing.
11. **Will I be able to connect a flash drive to optional USB port?**
NO; Optional USB port does not support thumb/flash drives. Charge only.
12. **How do I remove radio from dashboard to install module?**
The ADIY-CSCD connects to the radio. Click link for video instructions:
<https://www.youtube.com/watch?v=WTbWYNJTSDs>
13. **Will the radio CD player or Tape player work after installing this module?**
YES! The CD player or Tape player built-into AM/FM radio or remote 12-disc changer operation are not affected by this module.
14. **Callers not able to hear my voice with top down (convertible). Can you offer some guidance?**
In convertibles, microphone mounted to visor is exposed to wind noise. Notable, callers will have no issue while vehicle is standing. Our microphone includes noise cancellation features, which is different than wind noise and our recommendation is to install microphone in an area less susceptible to wind noise (e.g. pillar, mirror etc.). This may not be an issue with optional push button with built-in mic.

Disclaimer

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

Email support@discountcarstereo.com

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