

Courtesy of: DiscountCarStereo.com
Serving the internet community since 1995



A2DIY-C5 (v. 4.6.20)

QUICK START BLUETOOTH MUSIC STREAMING AND HANDS-FREE KIT INSTALLATION GUIDE FOR SELECT 1997-04 CORVETTE

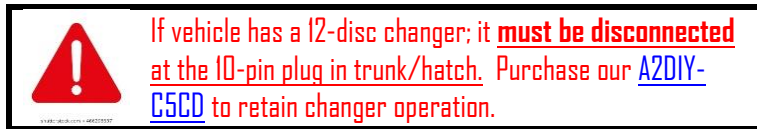
Created January 16, 2020

Revised September 17, 2020

Introduction:

This easy to install Bluetooth “triple play” kit is essential to keeping your American classic as stock possible with up to date Bluetooth features. This module sounds great for mobile conversations, streaming music, AUX playback and more. The included smart remote is used to adjust smartphone volume, pause/play tracks and more and easily mounted to steering wheel or dashboard. In addition, an **optional** USB charging port is available to charge those power-hungry devices while on the road. Keep original C5 radio (Bose or non-Bose) while enjoying Bluetooth features only available in newer cars.

Note: The A2DIY-C5 does not interfere with the functionality of existing AM/FM/CD or Cassette radio), however the remote 12-disc changer (if present); must be disconnected.



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

Installation: (To radio)

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



Fig. 1

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



Fig. 2
installation harness

3. Connect installation harness 20-pin black/gray plug (See **Fig. 2**) to radio 20-pin connector vacated in step 1
4. Connect installation harness 22-pin Molex plug (See **Fig. 2**) to module 22-pin Molex connector (See **Fig. 3**)



Fig. 3

5. **Skip to step 6 if not using aux input option otherwise:** Connect supplied 3.5mm audio cable (See **Fig. 4**) to module “AUX” jack (See **Fig. 3**). Route audio cable to dash area or wherever Aux device will reside (within 3 ft.)-



Fig. 4
Audio cable

- Connect push-to talk button 1/8" plug to module "CTR" jack (See **Fig. 3**), route button to dash area (cable is 6ft. long); clean area, remove tape backing, and secure to dash. (See **Fig. 5**)

Noteworthy: Users exclusive to Android devices; push button installation may be optional because its (2) functions can be performed from included smart remote; however, if users have both Android and Apple devices or exclusive to Apple devices, **push button installation is required**. For more details go to page 7, section: "smart remote operation".



Fig. 5
push button

- Secure microphone (See **Fig. 6**) to visor or headliner using included visor clip (See **Fig. 6a**)



Fig. 6
Microphone



Fig. 6a
Visor clip

- Carefully route microphone right angle plug (See **Fig. 6**) down pillar, under driver kick panel to radio cavity and connect to module "MIC" jack (See **Fig. 3**)

Be cautious not to damage or cut both microphone and push-button cables. Also ensure no ventilation ducts are pointed towards microphone.



Optional push button with built-in microphone:

Select this option to **replace** standard visor microphone and separate push button shown in **Fig. 5** and **6**. -- **Microphone is built-into push button** (See images below) which reduces installation and can conveniently mount to dashboard within driver reach.

To install simply connect 1/8" plug to module "MIC/CTR" jack (See **Fig. 3**), route button 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)



Revision (4.6.21) - as of April/6/20

What's new:

1. Bluetooth playback is now possible up and until radio is turned off. (Previous version would turn on/off with ignition switch).
2. **No longer requires routing accessory wire to fuse panel.** Special circuit added to module by which 12V accessory from fuse panel is no longer required. —Go to "Optional USB" page 5.

Module purchased prior to revision (4.6.21); proceed with "step 9" below

9. Connect (Tap) installation harness red wire to an ACC (Accessory or switched) 12V supply power source in vehicle.
10. Connect/Tap (See Fig. 7) ACC (Accessory) wire to power supply in vehicle.

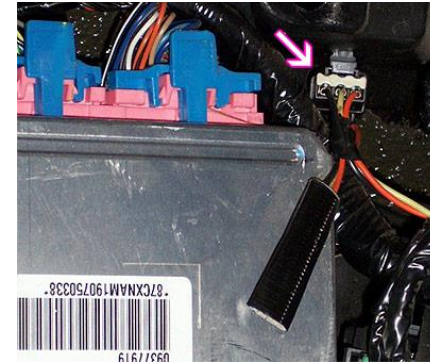


Fig. 7

Where to get 12V Accessory Supply:

There is no accessory supply on the CS radio harness; therefore, one must be obtained elsewhere. Feel free to locate your own or follow suggestions below.

1997-03: Look under passenger seat (near BCM for 3-pin plug which may be covered in duct tape) – See image bellow. Accessory supply wire is **Yellow**. if vehicle **does not** have 3-pin plug; go to **Alternate 12V Acc. supply** below.



Noteworthy: Most 1997-03 include 3-pin plug, and to the best of our knowledge was omitted in 2004.

Alternate 12V Accessory power supply:

We recommend fuse 22 and 11 of interior fuse box under seat next to passenger toe board (See Fig. 9).

The add-a-fuse [mini-tap](#) circuit seen in Fig. 8 can be used for this purpose. Other possible fuse location highlighted in red. (See Fig. 9).

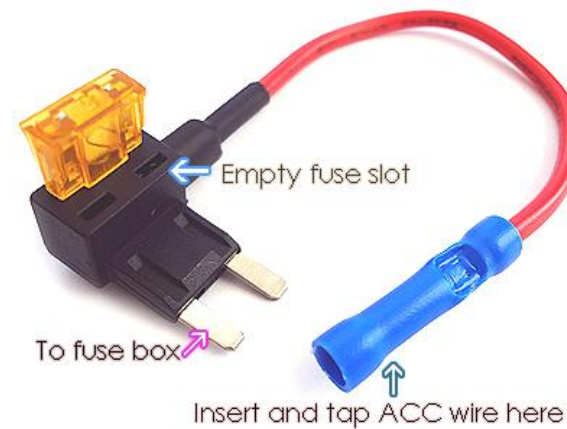


Fig. 8
fuse tap circuit

How to 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 (See **Fig. 8**)
- Hold wire in place and crimp down (crimping tool or pliers). After crimp, **pull wire to verify crimp integrity.**
- Remove fuse #22 or #11 from vehicle fuse box (if present) otherwise skip to **step g.**
- Insert factory fuse to empty slot on add-a fuse circuit (See **Fig. 8**)
- Insert add-a-fuse circuit to fuse box slot #22 or #11

Noteworthy: If fuse slot #22 or #11 are vacant, then empty slot on add-a-fuse remains empty. Turn ignition "ON" to verify module blue LED is flashing, otherwise check voltage at fuse slot and/or check add-a fuse crimp integrity

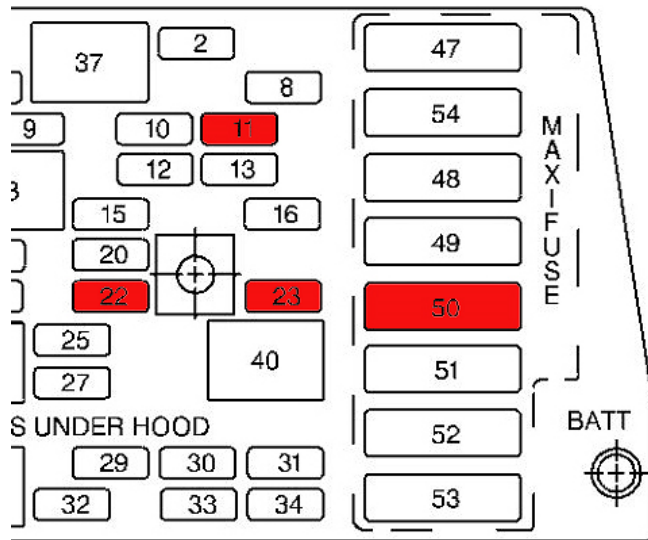


Fig. 9

C5 interior fuse box (yours may be different)

Optional USB charging port: (not for thumb drives etc.)

Add Optional "Fast charge kit" –to charge devices while on the road. Custom install 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 to your order, tap the option on order page.



installation harness USB port

Should you decide to add to car, we suggest one of 3 connecting options:

- Flush to dash/panel requires drilling a 3/4" hole**
- Flush with Support bracket** (Mount USB terminal wherever your installation demands without drilling)

A. Flush to Dash or Panel (drilling required)

- Drill a 3/4" hole in the dash or panel using a step drill bit or equivalent (See **Fig. 10**)



Fig. 10

Step drill bit

- Insert supplied 3ft. USB male terminal (See **Fig. 11**) through hole created in step 1 and connect to install harness USB port (See **Fig. 12**)



Fig. 11
Flush mount 3 ft. USB cable

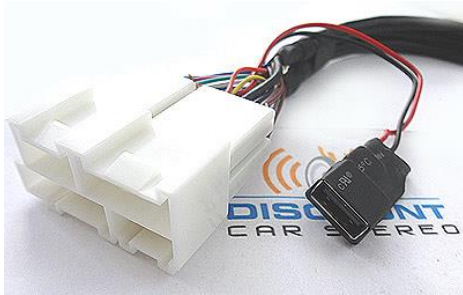


Fig. 12
installation harness USB port

3. Snap USB extension cable head (See **Fig. 13**) in place and flush with mounting surface (See **Fig. 14**)



Fig. 13
USB head



Fig. 14
Flush mounted

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 and mount USB support bracket (See **Fig. 15**) to surface using adhesive/tape or screws (included).



Fig. 15
USB mounting bracket

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



Fig. 16

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

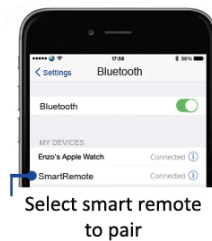
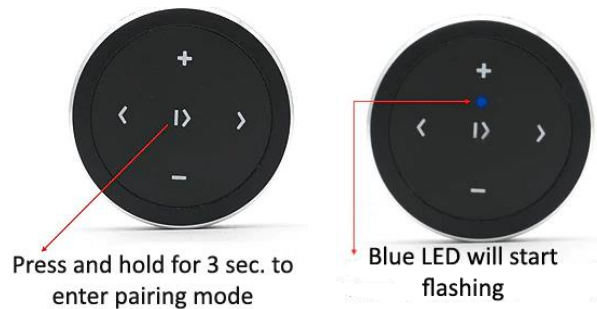


Fig. 17

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

Smart remote

Pairing smart remote: The included smart remote must be paired with smartphone for media control functions (does not operate C5 radio). Smart remote pairs with multiple devices but can only operate one at a time. Follow 3-step pairing process below:



Installing smart remote:

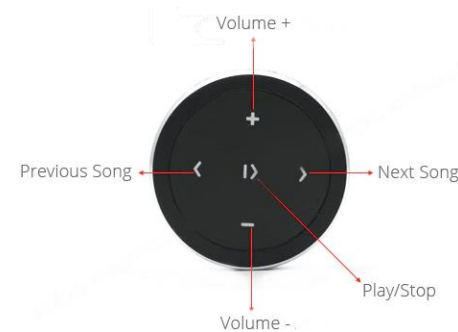
Install to steering wheel using included holder or to dashboard using provided double side tape, or custom install as seen in image below. Smart remote ships with CR2032 battery pre-installed.



c5 custom install

Operation:

Once paired with smartphone, users may perform the following functions on iOS7.0 and higher and Android 4.4 and higher.



In addition to above, use smart remote to:

- Answer/end call; press **Play/Stop (Android only)**
- Switch between streaming and AUX press, **Play/Stop (Android only)**.
- To pause stream or switch to "AUX" mode press **Play/Stop**
- Push button works both Android and Apple devices to:**
- Answer/end call
- Switch between streaming and AUX mode
- Pause music stream.

Notes:

1. If playback is distorted or low, adjust volume level on Smartphone.
2. On incoming calls, ring tone also plays on car speakers
3. Bluetooth range is approximately 30 ft. ensure device is within range
4. Music streaming has priority.
5. *Smart remote does not control AUX device or radio functions. Use aux device built-in controls and radio buttons as customary.

Bluetooth Pairing:

Pairing varies among devices but basic steps are the same. This process is done upon initial install and will not have to be repeated.

1. Turn ignition and radio "ON"
LED inside module peephole will flash rapidly (pairing mode)
2. On AZDP device: go to **Bluetooth Settings**
3. Select **Bluetooth** to enable
4. Tap **Scan for devices.**
5. Wait for Bluetooth device name (See **Fig. 18**) to appear and tap it. *Once paired confirmation tone is heard on car speakers*

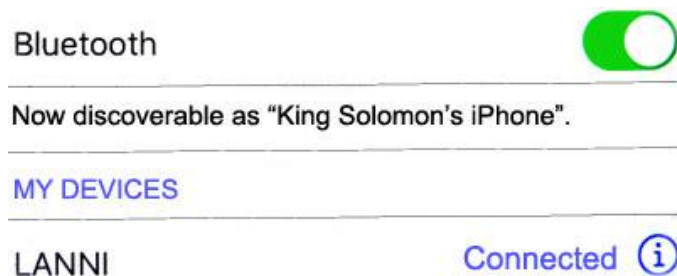


Fig. 18

Noteworthy: On Android devices it may be possible to change device name to something of your choosing. This may not be possible on newer iOS devices.

Test Operation:

1. Turn ignition and radio "ON"
2. Press radio "AUX" button to enter Bluetooth mode (Radio display changes to Disc 1 Track 1)



Fig. 19

3. Launch streaming application (e.g. Pandora, Apple music etc.)
4. Use device built-in control or smart remote to switch tracks, adjust device volume, pause/play etc.
5. Place phone call or ask someone to call. Use push button to answer call (iPhone or Android) or press "Play/Pause" on smart remote (Android only)

Note: Push button not required for Android devices we tested; however, it is required to answer/end calls from Apple devices.

Smart remote pause/play button only works to answer/end calls and switch between AUX and Bluetooth in Android applications.

Apple applications must use push button for Pause/Play function.

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



Playlist and Track selection *NOT* possible from C5 radio button/display. Use audio device built-in controls or optional wireless remote to access and control audio files and applications.

Feature comparison: Bluetooth Hands-free calling and music streaming (See **Table 1**), others music streaming only (See **Table2**)

Table 1 (See Footnotes)

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
Push button	YES	YES	YES	YES
Wireless remote control	included	NO	included	NO
Controls from radio buttons	NO	NO	NO	NO

Table 2 (See footnotes)

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

*Optional (Add to your kit during order process)

** Voice recognition possible directly on Apple or Android device

² [PX35](#) cable required (sold separately)

Frequent asked questions

- What's the difference between your A2DIY-C5 and C5-HF?**
 The A2DIY-C5 ships with standard visor mic and separate push button, whereas the [C5-HF](#) mic is built-into the push button. Mic with built-in push button is optional for the [A2DIY-C5](#) which also includes a wireless remote control. (See [Table 1](#) on preceding page)
- Does the A2DIY-C5 work on all Corvette radios?**
 Works on both AM/FM/CD or AM/FM/Cassette radios with AUX button
- Will I be able to control smartphone using the radio buttons?**
NO; you **must continue to use smartphone built-in controls or included remote control or VR.** Radio volume button is used to set playback level.
- Will the radio display call number or song name?**
NO. These are not possible on this generation C5 radio.
- How do I listen to device connected to AUX jack?**
 Press **AUX** button on radio until DISC 1 TRACK 1 is displayed, press push button (Android or Apple) or smart remote **PLAY/PAUSE** (Android only)
Note: Pairing not required to listen to device connected to AUX jack.
- Will radio mute when I receive or make phone calls?**
 Muting is possible only if radio is in "AUX" (Bluetooth) mode. If in AM/FM, CD or TAPE mode; muting is not possible. In addition, user must press "AUX" button for caller to be heard on car speakers.
- My second phone does not pair or find Bluetooth module?**
 In order to pair a second, device ensure **no other device is currently** paired or trying to pair. Un-pair or disable Bluetooth on any such device to allow module to enter discovery mode and ready for pairing.
- Will I be able to play flash/thumb drives on optional USB port?**
NO; USB port **does not support** thumb/flash drives. USB port use is limited to charging.
- Where does the module install and do I have to remove radio from dashboard?**

The ADIY-C5 module connects to the back of the radio and requires radio removal, Click link below for video instructions:

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

10. **My device plays intermittently. What can cause this?**

Two possible causes, (1) lack of power and (2) device volume set too high.

For number 1: Turn on an accessory (e.g. viper motors, headlights etc.) and if module playback is intermittent; locate and alternate supply for accessory wire. (Prior to Version 4.6.20)

For number 2: Reduce volume level on audio device (e.g. Smartphone)

11. **Will the CD player (built-into radio) or Tape player (built-into radio) still work after installing this module?**

The CD player or Tape player built-into AM/FM radio is not affected by this module. Separate I2-disc changer (if present) must be disconnected from I0-pin plug in trunk/hatch. To retain I2-disc changer, purchase our [A2DIY-C5CD](#) instead.

12. **Callers not able to hear my voice with top down (convertible). Can you offer some guidance?**

Convertible owners are advised to install conventional microphone in area less susceptible to wind noise (e.g. pillar, mirror etc.) or purchase kit with optional push button with built-in microphone.

13. **What is the difference between standard visor microphone and Optional button with built-in microphone?**

Push button with built-in microphone simplifies installation. Separate microphone installs on visor, headliner, pillar etc. and push button on or near dash. **When optional push button/microphone is added to order, visor microphone and separate push button are NOT included.**

14. **Radio enters aux mode but after a few seconds "Errrr" appears in the display. What can possible be wrong?**

Module is bad—try resetting radio/module by disconnecting car battery of radio fuse.

CD changer remains connected – if vehicle has optional I2-disc changer (in trunk/hatch), if must be disconnected from I0-pin plug. (It is not possible to have both CD changer and module simultaneously connect to the C5 radio.

Disclaimer

- This product has no affiliation with GM or Apple
 - When possible, professional installation is recommended
- Email support@discountcarstereo.com