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C5CD-HF

Quick Start Bluetooth Installation Guide for select 1997-04 Corvette [with 12-Disc CD Changer](#)

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Introduction:

If looking to add Bluetooth features to your C5 with 12-disc changer in trunk or hatch the C5CD-HF Kit is for you. This exclusive, intuitive and easy to use kit is essential to reducing driver distraction and compatible with virtually all Smartphones and sounds great for mobile conversations, streaming music, podcast and more. In addition, a USB port helps to keep your devices charged. One button (with built-in microphone) conveniently installed on the dash is used to launch Voice Recognition application (Siri, Google Now etc.) to initiate phone calls, switch between sources. Thanks to the C5CD-HF Kit you **keep the radio and CD changer** while enjoying Bluetooth features only available on newer cars.



Working 12-Disc changer required. If vehicle does not have one or if it malfunctions; purchase our [A2DIY-C5](#) or [C5-HF](#) instead.

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

Installation: (To Radio)

Remove radio from dashboard to gain access to connectors. See FAQ at the end of this *guide for details*) or *click link below*
<https://www.youtube.com/watch?v=WTbWYNJTSDs>

1. Disconnect factory 20-pin plug from radio connector (See **Fig. 1**)



Fig. 1

20-pin radio connector

2. Connect factory 20-pin plug removed from radio in step 1, 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 vacated in step 1 (See **Fig. 1**)

Playback Options Explained:

During checkout you are required to select a playback option.

1. Retain CD changer playback
2. Auxiliary input (default)
3. Auxiliary input + changer playback (new).

Retain CD changer playback:

Select this option to retain use of the 12-disc CD changer

1. Connect installation harness 3.5mm right angle plug (See Fig. 3) to module pigtail cable 3.5mm jack (See Fig. 5)
2. Connect installation harness straight 3.5mm plug (See Fig. 3) to "CD/AUX" input jack on module (See Fig. 4). Proceed to step 4

AUX input (no changer playback):

Select this option if you wish to connect and play a portable audio device (e.g. Sat radio, iPod, Mp3 etc.) instead of playing CD's from changer)

CD changer is required, remains connected but will no longer play.

1. Connect installation harness 3.5mm right angle plug (See Fig. 3) to module pigtail cable 3.5mm jack (See Fig. 5).
2. Connect included 3.5mm male-male cable (See Fig. 6) to "AUX" input jack on module (See Fig. 4), and the other end to audio device (within 3 ft.) Proceed to step 4.

AUX Jack+ changer playback (new)

This option allows both aux device and CD changer playback.

1. Connect installation harness 3.5mm right angle plug See Fig. 3) to module pigtail cable 3.5mm jack (See Fig. 5).
2. Route 3.5m jack (See Fig. 6a) to glove box, dash area etc. (within 3 ft) Drill a 1/4" hole in dash or panel and secure using included nut or leave

freestanding. To play audio device (e.g. Mp3 player) simply connect it to the jack. To listen to the CD changer, simply disconnect audio device from jack (jack must be empty for CD playback)



Fig. 4
Module



Fig. 5



Fig. 6
3.5male to male audio cable



Fig. 6a

4. Tap installation harness red wire to ACC (Accessory) supply power in vehicle.

Accessory supply suggestions for 1997-03:

Locate 3-pin plug under passenger toe board near BCM (may be covered in black duct tape) --- wires are orange, yellow and black. Tap red accessory wire to yellow wire (See Fig. 7)

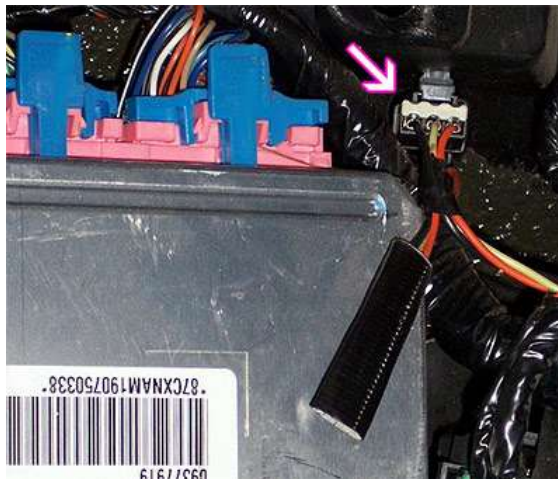


Fig. 7

Note: The 3-pin plug may not be present in 2004 model.

Alternates for 12V accessory supply includes: **Fuse #11** or **#22** of interior fuse box. (See Fig. 8). Please use voltmeter to ensure proper voltage.

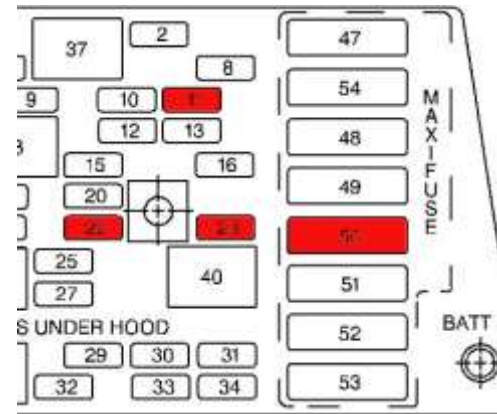


Fig. 8

G5 interior fuse box

5. Connect control button/microphone (See Fig. 9) to module "MIC" input (See Fig. 4) and carefully route to the front of the dash. **Extra caution should be taken when routing so not to cut or pinch thin cable.**



Fig. 9

Control button/Microphone

6. Consider where to install control button/microphone. Keep in mind the control button must be within drivers reach and positioned so that voice

commands and phone dialog can be carried out (cable is 6ft.) or purchase optional [G2-HF](#) Kit which allows microphone to install to visor etc. **Please complete the rest of the install prior to securing button to the dash.** Once you decide on a location simply remove tape backing from control /microphone button



Photo courtesy of customer's custom install

Exercise caution when routing microphone so to not damage the cable and ensure no ventilation duct is pointed towards microphone.

USB CHARGING PORT **(not for thumb drives etc.)**

Module includes a 2A USB charging port. Should you decide to use it, we suggest one of 3 connecting options for included USB cable/kit:

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

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

1. 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

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



Fig. 11
Flush mount 3 ft. USB cable



Fig. 12
Module USB port

3. Snap USB head (See **Fig. 13**) in place and 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 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*)

Optional 3.5-USB cable **(not for thumb drives etc.)**

Purchase optional [3.5-USB](#) cable to place USB charging port and 3.5mm ports in one convenient location on dashboard etc. This adapter serves the same purpose of the included USB kit, but has both USB and AUX in one convenient location and available in 3 and 6ft lengths.




Bluetooth Pairing and Connection

This process must be carried out upon initial install after which the C5CD-HF will automatically reconnect with paired phone upon turning ignition key.

1. Turn vehicle ignition to "ACC" or "ON" position
2. Red LED inside module will begin flashing, otherwise check red accessory wire connection
3. Access your Smartphone Bluetooth menu settings, and search (scan) for devices.
4. Select the G2 and click "Connect"



Note: Supports multiple phone pairings but connects to only one phone at a time.



Caller ID and text are **not shown on radio display**. Operate Bluetooth device by pressing control button, VR (voice recognition) or audio device built-in controls. Use radio volume button to control playback level.

Bluetooth Operation

1. Press "CD AUX" or "TAPE AUX" button on radio to enter Bluetooth Mode.
(At least one DISC must remain in CD changer)
2. Use radio volume button to set playback level

Music Commands

To	Proceed this way
Pause a Song	Press and release button
Resume Play	Press and release button
Skip to next song	Press button twice
Skip to Previous Song	Press button 3 times
Listen to CD Changer or AUX	Press button 4 times
Activate Voice Control	Press/hold button for 2 seconds
Switch out of CD Change or AUX Mode	Press and release button

Phone Commands

To	Proceed this way
Answer call	Press and release button
End call	Press and release button
Reject incoming call	Press button twice (send call to Voice Mail)
Cancel outgoing call	Press button twice
Activate Voice Control	Press/hold button for 2 seconds

Notes:

1. **To reset Module Press/Hold button for 5** seconds (does not erase store phones)
2. On incoming calls, ring tone will play on car speakers
3. Bluetooth range is approximately 30 ft. make sure device is within range
4. Voice command compatible with Apple (Siri), Android (Google Assistance)
5. * Button does not control CD Changer/Aux functions.

If successful go ahead and Reinstall the Radio

Optional visor mount microphone kit

If you've installed or plan to install one of our "HF" (Hands-Free) kits, be aware the microphone is built into the push-control button (See **Fig. 1**) which means it must be mounted or installed in an area where it can be accessible to the driver which may work in some vehicle but may not be optimum for issuing voice commands or holding Bluetooth conversations in others.



Fig. 1

Due to many customer request, we assembled the G2-HF kit which allows for more installation flexibility by allowing control button to remain on the dash or within drivers reach and separate clip-on type microphone which would ideally mount to visor (See **Fig. 2**) from which driver can issue voice commands, hold Bluetooth conversations while also keeping eyes on the road.

Package contents:

Microphone with visor clip on 10ft. cable x 1
Push-to-talk button (green) x 1
Splitter harness x 1



Fig. 2

Installation:

1. Use clip to Install microphone to visor or location of choice and route cable down pillar, under dashboard toward Bluetooth module location
2. Connect microphone right angle plug (See **Fig. 3**) to splitter harness "Mic input" jack (See **Fig. 3**) – indicated with arrow.



Fig. 3

3. Connect push-to talk button (blue or green phone) to splitter "Control button" jack as seen in **Fig. 3** (smaller jack)

- Connect splitter harness male plug to module "Mic" input (blue) as seen in Fig. 4



Fig. 4



Warning: If clicking sound or no audio during playback, microphone and control buttons connections to splitter may be reversed.

Please also note, it is possible to connect both the original control button (blue phone symbol) or included control button (green phone symbol) to splitter harness.

Feature comparison: Bluetooth profiles; namely Hands-free calling (See Table 1) and music streaming (A2DP). Music streaming kits (See Table2)

Table 1

Modules	A2DIY-C5CD	C5CD-HF	A2DIY-C5	C5-HF
Retains changer playback	YES	YES*	NO	NO
Requires working CD changer	YES	YES	NO	NO
Audio input jack (Aux in)	YES*	YES	YES	YES
USB charging port	YES*	included	YES*	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	NO	included	NO
Controls from radio buttons	NO	NO	NO	NO

Table 2

Modules	A2D-C5	BLU-C5
Retains changer playback	YES	NO
Requires working CD changer	YES	NO
Audio input jack (Aux in)	NO	YES ²
USB charging port	YES*	YES*
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)	YES**	YES**
Wireless remote control	included	YES**
Controls from radio buttons	NO	NO

*Optional (Select from product order page)

** Voice recognition possible with optional remote control

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

Frequent asked questions

1. **What is the difference between the C5CD-HF and the C5-HF?**

The only difference is CD changer requirement.

The C5CD-HF **requires a functioning CD changer** (will not work without it) whereas the C5-HF does not require a **CD changer for operation**.

2. **Do you offer a plug-n-play module for my C5 with CD changer?**

YES. If vehicle has a working **12-disc changer in trunk/hatch, purchase our [A2DIY-C5](#)**

3. **Why is it necessary to run 12V Acc. wire?**

The module requires 12V accessory which is not present on radio harness.

4. **I have connected power to module, but for some reason the module red LED is not flashing. What can cause this?**

Either module is defective or not getting power. Check supply voltage to module and check crimp integrity (if using add-a-fuse or butt connector). Use voltmeter or test light to verify voltage is **reaching module**.

5. **Is it possible to control Smartphone functions from radio buttons?**

NO; you must continue to use Smartphone built-in controls or control button and/or voice commands to operate device. Radio volume button is used to set playback level.

6. **How to I reset module?**

Press and hold control button for more than 5 seconds and release.

7. **I selected 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 4 times.**

8. **I selected both AUX input and CD changer playback option; but how do I listen to AUX device?**

Press CD AUX or TAPE AUX button on radio to enter Bluetooth Mode (if not already), **then press control button 4 times. Connect aux device to 3.5mm jack and aux device will play. To return to music streaming press and release control button.**

9. **I selected both AUX input and CD changer playback option; but how do I listen to CD Changer?**

Press CD AUX or TAPE AUX button on radio to enter Bluetooth Mode (if not already), **then press control button 4 times and ensure aux jack is empty otherwise CD Playback is impaired. To return to music streaming press and release control button.**

10. **Where is the best place to install control button/microphone?**

We found having the control button/mic mounted higher on the dash works best, but users can experiment with different location and decide which works best for them, or purchase optional [G2-HF](#) kit

11. **Will radio mute when I receive or make a phone call?**

Muting playback is possible only when radio is in Bluetooth mode. If in AM/FM mode; radio will not mute. In addition, you must enter "Bluetooth Mode" in order to hear callers voice on car speakers.

12. **My second phone does not pair or find Bluetooth Module?**

In order to pair another phone make sure no other phones are paired. Once Bluetooth has been disabled on first device, the module will be ready to pair with another.

13. **Will I be able to use USB port to connect and play music from flash drives?**

NO; USB port does not support thumb drives. Use to charge device (2A)

14. **How to I remove radio from dashboard**

Click link for video instructions:

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

Disclaimer

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

Email support@discountcarstereo.com

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