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BLU-C5 (v2.24)

STREAMING MODULE INSTALL GUIDE FOR 1997-04 CORVETTE

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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

REQUIREMENT

1997-04 CORVETTE WITH ORIGINAL RADIO

Introduction

The new BLU-C5 module (V 2.24), adds music streaming capabilities to all C5 with original Theftlock CD or Tape radio (Bose or non-Bose). Installation options include behind the radio cavity using the PXHGM4 harness OR to the 10-pin CD plug in trunk/hatch using the PXHGM2 harness. Irrespective of install location, the factory 12-disc changer (if present) must be disconnected. Purchase our **A2D-C5** to retain CD changer operation.

Note: The BLU-C5 support Bluetooth A2DP2 (music streaming) but does NOT support hand-free calls (HPF). Purchase our **A2DIY-C5** for hands-free and music streaming.

For more, go to frequently asked question at the end of this guide.

Installation 1: Installing module behind radio requires the PXHGM4 installation harness



To install module at the radio, the **PXHGM4 installation harness (See Fig.2)** is required. When installed at the radio, The BLU-C5 **will turn on/off with radio power button**. It is also possible to install the BLU-C5 to 10-pin CD plug in trunk/hatch using the **PXHGM2 installation harness**. Go to **installation 2** on page 3 for details.

Radio removal - Click links below for radio removal videos:

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

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

1. Locate radio 20-pin plug, press black release tab to disconnect from radio (See Fig. 1)



Fig. 1

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



Fig. 2
PXHGM4 harness

3. Connect installation harness 20-pin black/gray plug (See Fig. 2) to radio 20-pin socket vacated in step 1
4. Ensure plugs/connectors are snug
5. **With optional AUX input:** Connect included 3 ft. aux cable to module jack and route other end to front of the dash or where aux device will reside.
6. **With optional USB-C charging kit—Go to page 7 for installation steps**
7. **Proceed to “Pairing” on page 5**

Installation 2: Installing module to 10-pin CD plug in trunk/hatch using the PXHGM2 installation harness. CD changer (if present) must be disconnected.



Purchase module with PXHGM2 harness if vehicle has 10-pin CD plug in trunk/hatch (See Fig. 3). **The BLU-C5 will turn on/off with ignition key.** **Connecting the BLU-C5 to the 10-pin plug requires routing getting power wire (See. Fig. 6) from fuse panel in passenger foot well**

1. Locate factory **10-pin** CD plug in trunk or hatch area (See Fig.3) or if vehicle has a CD changer, disconnect 10-pin plug from 12-disc CD changer (See Fig. 4),



Fig. 3
C5 10-pin CD plug

2. Mate factory 10-pin CD plug (See Fig. 3) to installation harness 10-pin socket (white) (See Fig. 5)



Fig. 4
12-disc changer

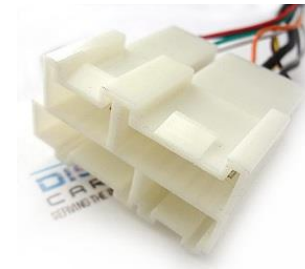


Fig. 5
PXHGM2 10-pin socket

3. Route power wire (See Fig. 6) to 12V accessory supply in vehicle. This is a required step. They are no accessory (switched) supply wire on factory 10-pin CD plug. **(Do not connect red wire to battery supply)**



Fig. 6
Accessory wire

Where to get 12V Accessory (Switched power):

1997-03 vehicles include a 3-pin plug under passenger toe board near BCM (may be covered in black duct tape) -- See Fig. 7

The yellow wire is ACC (Switched). **If vehicle does not have 3-pin plug; see Alternate 12V Acc. supply option on page 4**

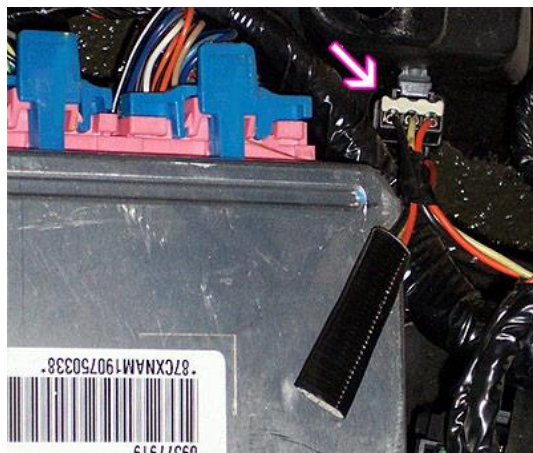


Fig. 7

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

Alternate 12V Acc. supply:

We recommend taping into fuse #22 or #11 of interior fuse box located under passenger toe board (See Fig. 9).

The [mini-tap](#) circuit seen in Fig. 8 is included for this purpose.

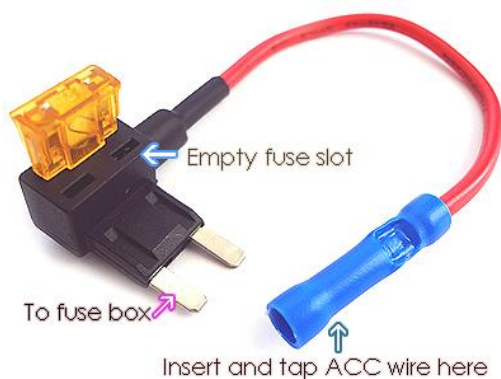


Fig. 8

fuse tap circuit

How to use the Add-a-fuse circuit connection

1. Strip 1/4- 3/8" insulation from included accessory wire. (See Fig. 6)
2. Look inside blue connector for metal contact. (Useful in step 4).
3. Insert stripped wire to blue connector (See Fig. 8)
4. Hold wire in place and crimp down (crimping tool, pliers etc.) After crimp, **pull wire to verify crimp integrity.**
5. Remove fuse #22 or #11 from vehicle fuse box. If fuse slot is empty; skip to **step 7.**
6. Insert factory fuse to empty slot on add-a fuse circuit
7. Insert add-a-fuse circuit to fuse box slot #22 or #11

Noteworthy: If fuse slots #22 or #11 are empty, the empty fuse slot on add-a-fuse remains empty (See Fig. 8). Turn "ON" ignition to verify blue LED is flashing through peep hole at the bottom of the module, otherwise check voltage at fuse slot and/or check add-a fuse crimp integrity.

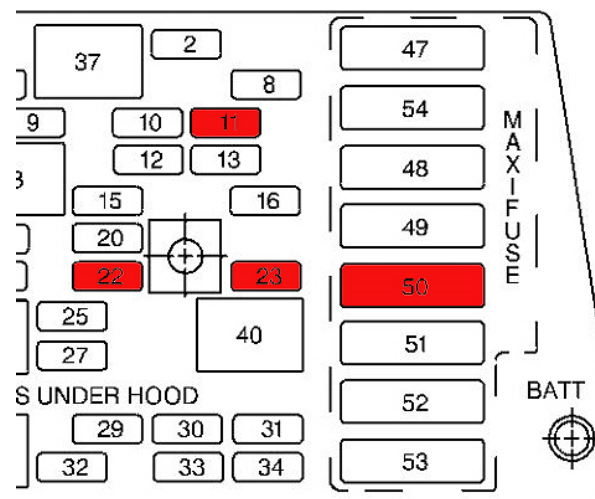


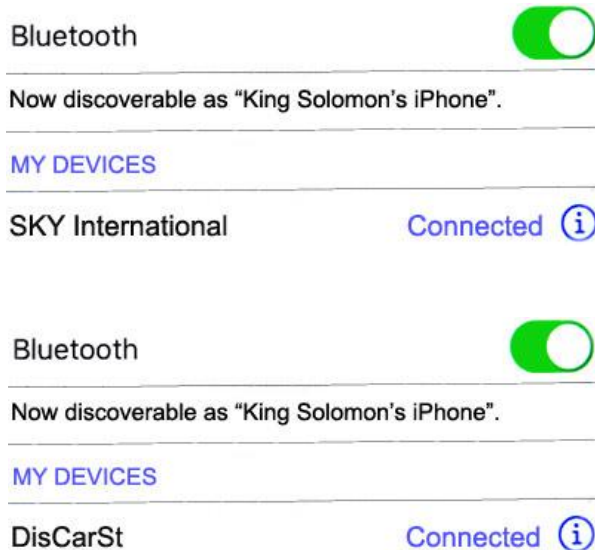
Fig. 9

C5 interior fuse box (yours may be different)

Pairing:

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

1. Turn Ignition and radio "ON"
2. On AZDP device: Go to **Settings, Wireless & Networks, Bluetooth Settings**
3. Enable **Bluetooth**
4. In Bluetooth settings tap **Scan (Search) for devices.**
5. Wait for Bluetooth name to appear (See below) and select it.
(Bluetooth name displayed is based on option selected at checkout).



Noteworthy:

1. **SKY international ID:** modules **without AUX option.** Supports Bluetooth 4.0 and announces call number. (Must answer call using handset)
2. **DisCarSt ID:** For modules **with AUX option.** Supports Bluetooth 5.0 (does not announce incoming call number).
3. To listen to aux device, simply un-pair smart device or disable Bluetooth.

Optional equipment:

The following are NOT required for operation; however, these do enhance user experience.

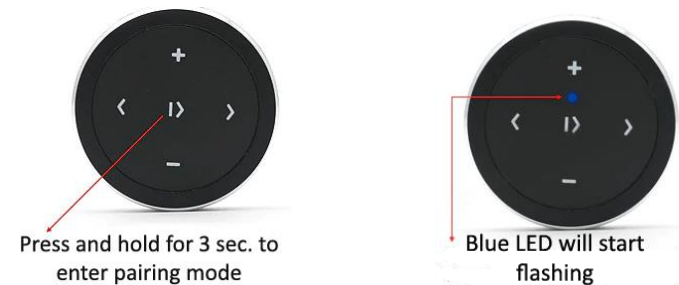
To add these options to your order, select from choices on order page.

1. Smart Remote:

The C5 radio buttons will NOT operate your smart device, so instead of fumbling around, simply pair this remote and operate select phone functions from the remote while also keeping eyes on the road. Optional smart remote allows users to:

1. Control music wirelessly
2. Track up/down
3. Play/Pause (Android)
4. Volume up/down

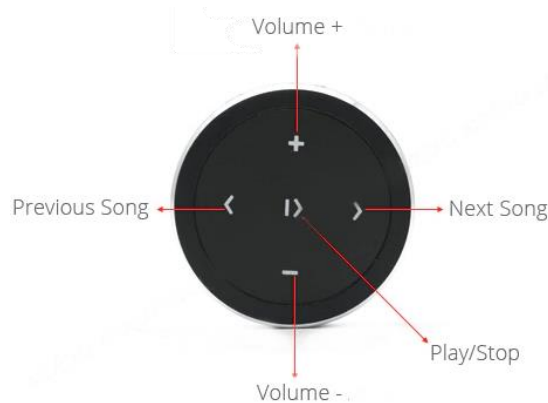
Pairing Bluetooth remote:



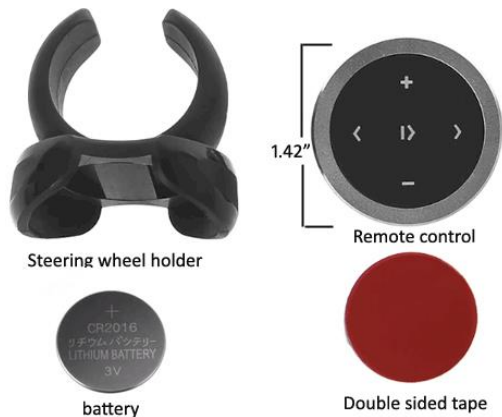
Select smart remote to pair BT003 etc.

Operation:

Use smart remote to perform the following functions on any iOS7.0 and higher or Android 4.4 and higher.



Package Contents:



Remote control custom fitted to opening for optional C5 drive control switch

2. AUX input

AUX input option allows users to also connect and play portable audio devices such as MP3 players, iPods, Zune, Satellite radio kits etc. Simply plug in supplied audio cable to AUX jack (See below) and route audio cable end to front of the dash or where audio device will reside.



4. USB type-C charging: (not for sticks/thumb drives)

Optional USB -type C "Fast charging" kit helps keep those energy hungry devices charged 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-type chargers. Add charging kit to order by selecting **PXHGM4 harness + Streaming module + USB-C charging kit, or PXHGM4 harness +AUX+ USB-C charging kit**

Note: Charging kit option is NOT currently offered for trunk/hatch installations using the PXHGM2 harness.

BLU-C5 ordering options explained:

1. **PXHGM4 harness:** Select this option for streaming only and to install module at the radio.

Note: Radio removal required for all PXHGM4 installation harness options.

2. **PXHGM4 harness + AUX INPUT:** Select this option for streaming (wirelessly) and AUX (wired) playback option. The AUX input jack is perfect for wired devices (MP3 player, Car play, SiriusXM kit etc.)

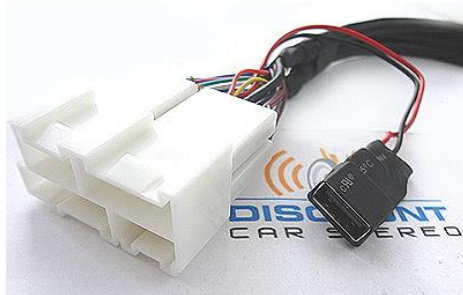
3. **PXHGM4 harness + USB-C charging:** Select this option for streaming plus USB type-C charging port.

4. **PXHGM4 harness +AUX INPUT + USB-C charging port:** Select this option for streaming, AUX and charging.

5. **PXHGM2 harness:** Select to connect for streaming only and to connect the BLU-C5 module to the 10-pin CD plug in trunk/hatch. Please verify vehicle has 10-pin plug prior to selecting this option. The 10-pin plug is reserved for optional 12-disc Changer. If vehicle has 112-pin changer, it must be disconnected.

6. **PXHGM2 harness + AUX INPUT:** Select this option for streaming (wirelessly) and AUX (wired) playback option. The AUX input jack is perfect for wired devices (MP3 player, Car play, SiriusXM kits etc.) All PXHGM2 harness options connect to 10-pin CD changer plug (radio removal not required). CD changer (if present) must be disconnected.

Note: At present a USB type-C charging port not offered with the PXHGM2 harness installs in trunk/hatch.



USB Type-C charging port

Charging Notes: (not applicable to iPhone 15)

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

USB type-C charging installation:



Optional USB type-C charger can be added to the BLU-C5. Should you decide to add it, we suggest one of 3 installation options:

A. Flush to dash/panel requires drilling a 3/4" hole

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

C. Freestanding- (default)

A. Flush to dash/panel (drilling required)

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



Fig. 10
Step drill bit

2. Insert cable through hole created in step 1
3. Locate USB type-C port **Fig. 11**
4. Connect cable from step 2 to charger USB type C- port

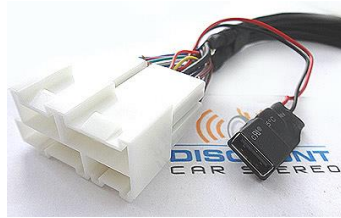


Fig. 11

5. Snap USB head to opening until flush with surface (See **Fig. 12**)



Fig. 12

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 ft. of radio to mount USB support bracket (See **Fig. 13**)
2. Use tape backing or screws to secure bracket to surface



Fig. 13
mounting bracket

3. Insert USB cable through bracket hole (See **Fig. 14**) and connect to USB Type-C port (See **Fig. 11**)



Fig. 14

4. Snap USB head to bracket until flush (See **Fig. 15**)



Fig. 15

NOTES: This kit does not include a USB type-C cable. iOS devices require a USB-C to Lightning cable. Android devices requires a USB-C to USB-C or USB-C to Micro-USB cable (sold separately)

Operation:

1. Turn ignition switch to "ACC" or "ON"
2. To enter Bluetooth mode, press "AUX" button on radio
Note: Press AUX button twice if radio contains a "disc" or Tape.



Fig. 14

Note: After pressing AUX; radio may briefly display an Errr then switch to "CD" changer mode (See Fig. 14). Then to "TIME" display mode -- this is normal

3. Launch smartphone or tablet streaming application.
4. Ensure smartphone volume is set to 80% or higher and use radio volume button to set playback level.



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

OPTIONAL AUX OPERATION

1. Press "AUX" button on radio as customary
2. On audio device, disable or pause Bluetooth
3. Audio system is now in AUX mode.
4. Connect audio device to 3.5mm jack using supplied audio cable or similar
5. Operate aux device using its built-in controls or as customary.
6. To resume streaming:

Re-enable or un-pause Bluetooth on smartphone.

Note: Paired device has playback priority and remains until Bluetooth device is no longer paired or has been paused. AUX playback is possible when no device has been paired or device is out of range.

7. If correct operation is confirmed, re-install radio/panels.

Feature comparison:

Hands-free calling only, see Table 1),
Music streaming only kits (A2DP); see Table2.

Table 1 (Hands-free and music streaming kits)

Modules	A2DIY-C5CD	A2DIY-C5
Retains changer playback	✓	X
Requires working CD changer	✓	X
Audio input jack (Aux in)	✓*	✓
USB charging port	✓*	✓*
Hands-free calling (HPF)	✓	✓
Music Streaming (A2DP)	✓	✓
Connection (To Radio)	✓	✓
Connection (trunk)	X	X
Wireless remote control	included	included
Controls from radio buttons	X	X

Table 2 (Music streaming only and aux)

Modules	A2D-C5	BLU-C5	DSC-GM4
Retains changer playback	✓	X	X
Requires working CD changer	✓	X	X
Audio input jack (Aux in)	X	✓*	✓
USB charging port	X	✓*	X
Hands-free calling (HPF)	X	X	X
Music Streaming (A2DP)	✓	✓	X
Connection (To Radio)	✓	✓	✓
Connection (trunk/hatch)	✓	✓	✓
Wireless remote control	✓*	✓*	X
Controls from radio buttons	X	X	X

* Optional (select option during checkout)

Frequently asked questions:

1. **Does the BLU-C5 require a 12-disc CD changer to work?**
NO; CD changer not required. If vehicle has a 12-disc changer it must be disconnected. To retain 12-disc changer functionality; purchase our [A2D-C5](#) instead.
2. **There was no microphone included (Does it not support Bluetooth hands-free calls)?**
NO; BLU-C5 module supports Bluetooth music streaming only (A2DP). For Bluetooth hands-free purchase our [A2DIY-C5CD](#) or [A2DIY-C5](#)
3. **Can I install the BLU-C5 without removing radio?**
YES; but only if vehicle has a 10-pin "CD" plug (See **Fig. 3**) in trunk/hatch. Factory 12-disc changer (if present); must be disconnected. To install BLU-C5 without removing radio, **select PXHGM2 installation harness from drop down.** See question 8.
4. **Does installing the BLU-C5 disable the CD player built-into radio?**
NO. The BLU-C5 adds music streaming to existing system and does not interfere with operation of the CD built-into radio. Separate 12-disc CD changer (if present) must be disconnected or purchase our [A2D-C5](#)
5. **Is it possible to install the BLU-C5 at radio instead of trunk/hatch?**
YES; select any option that includes the **PXHGM4 harness and install module to radio** (behind dash).
6. **I am installing the BLU-C5 in the trunk using the PXHGM2 harness. My question is this: Why do I need to run a power wire when the CD plug already has a constant hot? Can I just connect red wire to the 12V supply for the CD changer?**
Short answer is NO. There is no accessory supply wire on the 10-pin "CD" plug. All installs using the PXHGM2 harness must route included red wire to fuse panel under passenger toe board. This module will not work as described if connected to 12V battery supply (always on) which also risk battery drainage.
7. **Is it easier to remove radio and install module there or run accessory wire to passenger toe board using the PXHGM2 install?**
It is probable easier (faster) to install the BLU-C5 module to 10-pin CD plug in trunk/hatch using the PXHGM2 and routing accessory wire to toe board. Gaining access to the radio plug is more time consuming, so you must weigh these options when deciding on install location.

8. **How do I remove radio from dashboard?**
Please click video links below for help removing radio:
<https://www.youtube.com/watch?v=GcrIufoIctc>
<https://www.youtube.com/watch?v=WTbWYNJTSDs>
9. **With ignition "OFF", radio remain powered but not able to stream, why is that?**
GM Retain Accessory Power (RAP), the radio remains powered for up to 10 minutes after ignition switch is turned OFF or until opening driver's door. Any BLU-C5 option that includes the **PXHGM4 install harness**; includes circuitry allowing the BLU-C5 turn ON/OFF with radio **PWR** button making it possible to stream until radio is switched OFF. Unfortunately, installs in trunk/hatch using our **PXHGM2 harness requires connecting the included ACC. Wire (Red) to fuse panel and BLU-C5 turns on/off with ignition key.**
10. **This module does not support hands-free calls, so what happens when the phone rings?**
When phone rings, streaming session will mute; call number announced on car speakers (Modules without AUX option only). Answer call using handset as customary. When call ends streaming resumes.
11. **I've use the PXHGM4 harness to connect module at the radio, but when in "AUX" mode I hear both streaming and CD changer. What is wrong?**
For the BLU-C5 to work as described, the 12-disc changer in trunk/hatch **must be disconnected.** Ensure CD changer is disconnected in trunk/hatch.
12. **Radio enters aux mode but after a few seconds "Errrr" appears in the display. What can possible be wrong?**
The most likely reason for the Errr message is the **CD changer remains connected or module is defective (not communicating with BCM)** –It is also not possible to have both CD changer and the BLU-C5 simultaneously connect to the C5 radio. If this is the case, please disconnect CD changer 10-pin plug in trunk/hatch.

Disclaimer

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

For additional questions, email support@discountcarstereo.com

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