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BLU-C5

AUDIO 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 AM/FM/CD AND AM/FM/TAPE RADIOS WITH AUX BUTTON

Introduction

The new BLU-C5 module (V 10.24), adds music streaming capabilities to C5 Theftlock CD or Tape radios (Bose and non-Bose). User has the option to install this module behind radio cavity OR (if pre-wired), to the 10-pin CD plug in trunk/hatch. Irrespective of install location, the BLU-C5 replaces factory 12-disc changer (if present).- If vehicle has a CD changer and you wish to retain it; Purchase our [BTA-C5](#) instead.

Alert: The BLU-C5 supports music streaming via Bluetooth, but it does NOT support hand-free calls (HPF). Purchase our [BT3-C5](#) for hands-free and music streaming.

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

Installation 1: For radio/behind dash installs only



Selecting "install at radio" option means the module is to be connected to the 20-pin plug/connector behind the dash/radio. **If vehicle has a 12-disc CD changer in trunk/hatch, it must be disconnected from the 10-pin plug in trunk or hatch.**

Before getting started, we highly recommend disconnecting the negative battery terminal for 20-30 minutes and during install.

If vehicle has a 12-disc changer, please disconnect it from the 10-pin plug in trunk/hatch

1. Remove radio from dash to gain access to the factory plug
Click links below for help removing radio:
<https://www.youtube.com/watch?v=6crlufo1ctc>
<https://www.youtube.com/watch?v=WTbWYNJTSDs>
3. With radio removed, release the 20-pin black/gray plug by pressing down on black release tab (See Fig. 1)



Fig. 1

4. Connect 20-pin black/gray plug (from step 2), to mating 20-pin socket (white) on installation harness (See Fig. 2).

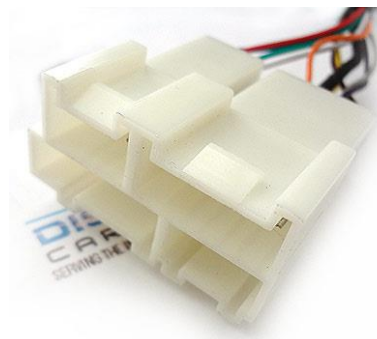


Fig. 2

5. Connect installation harness 20-pin black/gray plug (See Fig. 3) to radio 20-pin socket vacated in step 3

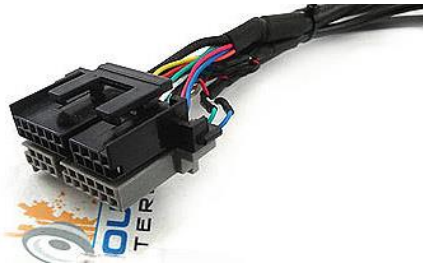


Fig. 3

6. Connect installation harness 16-pin plug (See Fig. 4) to module 16-pin connector (See Fig. 5)

Alert: Ensure the 16-pin plug is fully seated and locked in place

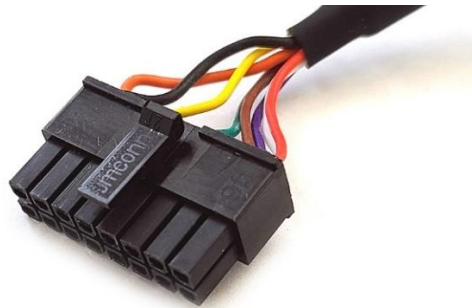


Fig. 4



Fig. 5

7. Tuck and secure any extra wires away from moving parts and go to Optional USB charging cable install on [page 6](#)

Installation 2: For trunk/hatch installs only



Selecting this option means the module is to be connected/installed to the 10-pin "CD" plug in trunk/hatch and also **requires routing the accessory wire (red) from trunk/hatch to fuse panel in passenger foot well.**

Before getting started, we highly recommend disconnecting the negative battery terminal for 20-30 minutes.

1. Locate factory 10-pin CD plug in trunk or hatch area (See Fig. 6)

Alert: if vehicle has a 12-disc CD changer (See Fig.7); it must be disconnected. To retain CD changer, purchase our [BTA-C5](#) instead.

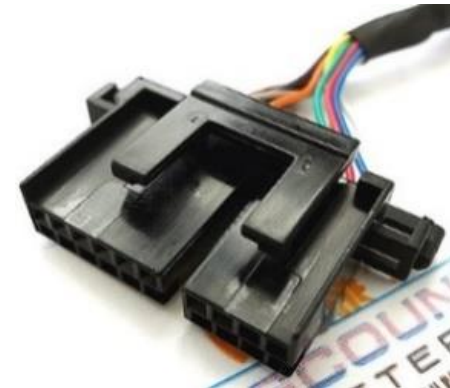


Fig. 6



Fig. 7

2. Connect factory 10-pin CD plug (See Fig. 6) to installation harness mating 10-pin socket (white) (See Fig. 8)

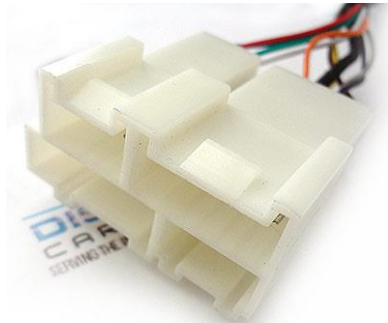


Fig. 8

3. Route installation harness RED accessory wire (See Fig. 9) to a 12V accessory (switched) supply in vehicle.

Alert: The 10-pin CD plug does not have a switched 12V wire. (Do not connect red wire to battery supply)



Fig. 9

Where to get 12V Switched power in C5 Corvette

We have 3 suggestions as to where to connect the installation harness red accessory (switched) wire:

1. 1997-03 vehicles include a 3-pin plug under passenger toe board/near BCM (may be covered in black duct tape) -- See Fig. 10

Yellow wire is ACC (Switched). If vehicle does not have 3-pin plug (e.g. 2004); go to suggestions #2 & #3 below.

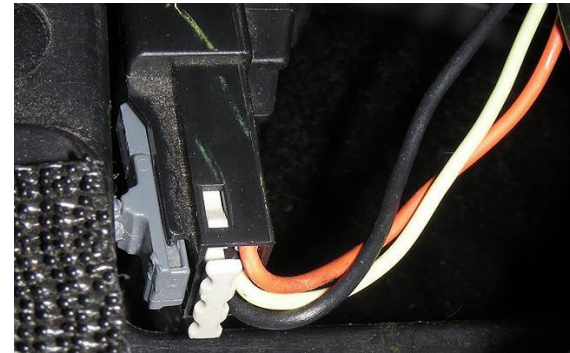


Fig. 10

Alert: 3-pin power plug was omitted in 2004.

2. Convertibles:

It is also possible to get 12V "switched" power from factory antenna wiring behind passenger trunk area. Simply pull carpet away and locate 3-pin wire plug (orange, pink, black) (See Fig. 11). The pink wire is switched and will power module when radio is turned on/off. Tap/splice installation harness red wire (See Fig. 9) to pink on 3-pin plug.



Fig. 11

3. Fuse #11, 22, 23 from interior fuse box under passenger toe board (See Fig. 12).

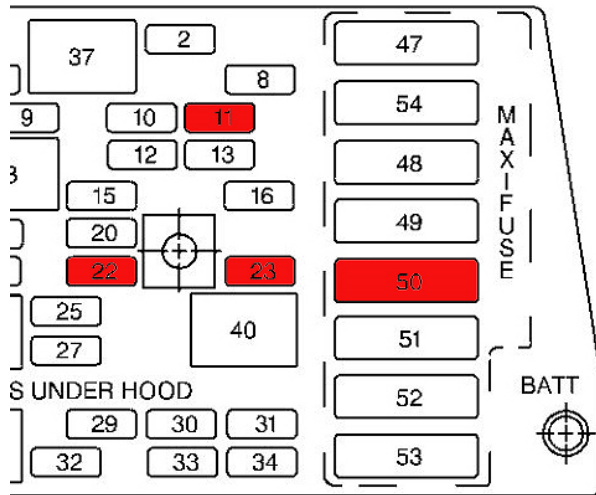


Fig. 12

interior fuse layout (yours may differ slightly)

The [mini-tap](#) circuit seen in Fig. 12 is included for this purpose.

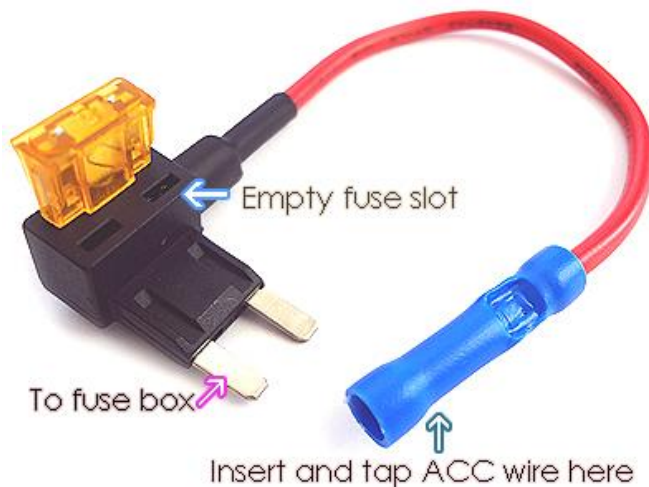


Fig. 13

Add-a-fuse tap wiring instructions

Alert: Fuse-tap is not required (included) for radio/dashboard installs

1. Strip 1/4- 3/8" insulation from accessory wire (See Fig. 9)
2. Insert stripped wire into blue butt connector (See Fig. 13)
3. Hold wire in place and crimp (crimping tool, pliers etc.) After crimping, **verify crimp integrity by pulling on wire.**
4. Go to fuse box (See Fig. 12) and remove factory fuse #11 or #22
If either fuse slot is empty (has no fuse); skip to **step 6.**
5. Insert factory fuse to empty slot on add-a fuse tap (See Fig. 13)
6. Insert add-a-fuse blades into fuse box slot #11 or #22 vacated in step 4

Alert: If vehicle fuse slot #11, #22 etc. was empty, the empty fuse slot on **add-a-fuse circuit remains empty** (See Fig. 13).

7. Reconnect battery negative terminal.

Optional USB extension cable installation

Please note: Optional USB dash mount extension cable is not required for operation; however, it extends the module USB charging port (See Fig. 16) to dashboard, glovebox etc. The module USB port supports **software upgrades and charging.**

1. Drill a $\frac{3}{4}$ " hole to dash or panel using a step drill bit or equivalent (See Fig. 14)
As an alternate; use the included bracket (See Fig. 19) to mount USB without drilling.



Fig.14

2. Fish USB cable terminal (See Fig. 15) through hole created in step 1 and plug into USB port on module (See Fig. 16)



Fig. 15
USB cable



Fig. 16

3. Snap header (See Fig. 17) to surface until flush (See Fig. 18)



Fig. 17



Fig. 18



Fig. 19

Pairing

Pairing process varies among devices but the 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"
2. From your Bluetooth enabled device, turn the Bluetooth ON and search for Bluetooth devices.
3. When a list of available Bluetooth devices appears on your Bluetooth device, select "DisCarSt" (See Fig. 20)
4. Confirmation "tone" is heard on car speakers.
5. The unit will automatically enter the BT Audio source and you can now start streaming audio from your Bluetooth enabled device.

Note: If the mobile phone doesn't support SSP (Simple Secure Pairing) Profile, please enter the pass code of "0000"

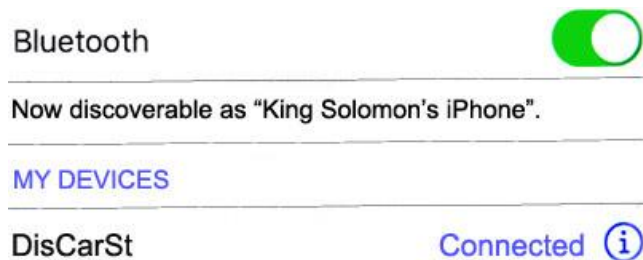


Fig. 20

Notes:

1. Supports multiple phone pairings but connects to one phone at a time. If for some reason phone fails to pair, ensure no other has paired and unpair it.
2. If needed, Bluetooth name (ID) shown above can be changed on most Android and iPhones. To change, open Bluetooth settings, properties, rename.

Warning: Caller ID, song name etc. are **not shown on radio screen.**

Bluetooth operation

1. Turn ignition to "ACC", turn the radio ON
2. Press "AUX" button on radio (See Fig. 21) to enter Bluetooth mode. (See Fig. 22). The module Blue LED glows steady.

Alert: If the radio has DISC or Cassette in slot, press AUX button a second time to enter Bluetooth mode.



Fig. 21



Fig. 22

3. Open and play from streaming application (e.g., Spotify, Deezer, Apple music etc.)
4. The application should be heard on car speakers.
Alert: Upon initial pairing, the module automatically lowers device volume to approximately 25%. Please increase device volume to 85% or higher. This will become the default volume level for future pairings.
5. To track up; press the radio **SEEK >** or **NEXT** button and to track back; press the radio **< SEEK** or **PREV** button (See Fig. 17)



Fig. 23

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

Feature comparison

Bluetooth Hands-free calls + audio streaming (A2DP)—See table 1. Audio streaming (no Hands-free) and AUX- See Table2

For the complete C5 product comparison chart, [click here](#)

Table 1

Modules	BTH-C5CO	BT3-C5	BTH-C5	BTA-C5
Retains changer playback	YES	NO	YES	YES
Requires working CD changer	YES	NO	YES	YES
Audio input jack (Aux in)	*	NO	NO	NO
USB charging port	YES	YES	YES	YES
Hands-free calling (HPF)	YES	YES	YES	NO
Music Streaming (A2DP)	YES	YES	YES	YES
Installs/connect to radio	YES	YES	YES	YES
Installs/connect in trunk/hatch	NO	NO	NO	YES
Wireless remote control	YES	YES	YES	YES
Controls from radio buttons	NO	YES	NO	NO

Table 2

Modules	BTA-C5	BLU-C5	BT2-C5	DCS-GM4
Retains changer playback	YES	NO	NO	NO
Requires working CD changer	YES	NO	NO	NO
Audio input jack (Aux in)	NO	NO	NO	YES
USB charging port	YES	YES	NO	YES
Hands-free calling (HPF)	NO	NO	NO	NO
Music Streaming (A2DP)	YES	YES	YES	NO
Installs/connects to radio)	YES	YES	YES	YES
Installs/connects in trunk/hatch	YES	YES	YES	YES
Wireless remote control	YES	NO	NO	NO
Controls from radio buttons	NO	YES	YES	YES†

*Optional (Select from product order page)

** Google Voice recognition possible with optional remote control

† for devices that support TRSS (For modules installed at radio or purchase your own 4-pin audio cable long enough to reach cabin)

Frequently asked questions & troubleshooting

- Does the BLU-C5 require a 12-disc CD changer to work?**
NO; If vehicle has a 12-disc changer **it must be disconnected** or purchase our [BTA-C5](#) to retain it.
- What is the difference between the BLU-C5 and BT2-C5?**
The BLU-C5 includes a USB charging port and the BT2-C5 does not. Other than that, they are essentially the same. [Click here](#) for full comparison chart
- Can I install the BLU-C5 without removing radio?**
YES; but only if vehicle has a 10-pin "CD" plug (See **Fig. 6**) in trunk/hatch. To install BLU-C5 without removing radio, **select trunk/hatch install options from drop down.** See question 6.
- 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 player built-into radio. Separate 12-disc CD changer (if present) must be disconnected or purchase our [BTA-C5](#)
- Is it possible to install the BLU-C5 at the radio instead of trunk/hatch?**
YES; select "Installs at radio" from options in drop-down and follow installation 1 on page 2.
- I am installing the BLU-C5 in the trunk. Why do I need to route an accessory wire if the CD plug already has a power supply wire? Can I just connect red wire to the 12V wire on the 10-pin CD plug?**
Short answer is NO. There is no accessory (switched) wire on the 10-pin "CD" plug and because of that; all installs in trunk/hatch requires running included accessory wire (red) to fuse panel under passenger toe board or tapping antenna wire in trunk (convertibles). This module will not work as described if accessory wire (red) is connected to 12V battery supply (always on) which also risk battery drainage.
- Is it easier to remove radio to install module or run accessory wire to passenger toe board?**
It is probable easier (faster) to run accessory wire to toe board. Removing radio is more time consuming. Please weigh these options when deciding on install location. **Please also check that your vehicle has a 10-pin CD plug prior to ordering.**

8. **How do I remove radio from dashboard?**

Please click video links below for help removing radio:

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

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

9. **With ignition "OFF", radio remain powered but not able to stream, why is that?**

This was an issue with older modules and is the case with modules installed in trunk/hatch, however this new version works with GM Retain Accessory Power (RAP) which allows radio to remain powered for up to 10 minutes after ignition switch is turned OFF or by opening driver's door. All installs to the radio remain powered up and until the radio **PWR** button is switched OFF or RAP enabled. If module is connected to the 10-pin plug in a convertible vehicle, this functionality is retained by tapping into pink antenna wire in trunk as explained on page 4.

Unfortunately, trunk/hatch installs is powered only when ignition is in the ON or "ACC position **except for tapping into pink antenna wire (Convertibles)**

10. **This module does not support hands-free calls, so what happens when the phone rings?**

When phone rings, streaming mutes; 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 connected module at the radio, but when in "Bluetooth" mode I hear both streaming and CD changer. What could be wrong?**

For the BLU-C5 to work as described, the 12-disc changer in trunk/hatch **must be disconnected**. Please go to trunk/hatch and disconnect 10-pin plug from CD changer.

12. **How do I know if vehicle has BOSE?**

Check the speaker grills for logo. See Fig.24



System logo found on speaker grills

Fig. 24

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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