



A2DIY-CTSx

QUICK START INSTALLATION GUIDE FOR SELECT 2003-07 CADILLAC CTS/SRX WITH XM TUNER MODULE

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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.

Requirements:

XM TUNER MODULE WITH OR WITHOUT SUBSCRIPTION

Introduction:

If your state has enforced hands-free laws and you own a 1st Generation CTS or SRX with an XM tuner module (with or without subscription), the A2DIY-CTSx is for you! This kit supports Hands-free calls, music streaming and option to retain XM playback (if subscribed). The included smart remote pairs with smartphone to allow users control of music, volume, play/pause and more. In addition, this kit includes a visor mount microphone with the latest noise cancellation features. Optional USB "Fast charge" kit to keep current hungry devices charged while on the road.

Thanks to the A2DIY-CTSx you **keep radio, XM subscription** while enjoying Bluetooth features only available on newer cars.

Warning: Vehicle must have an XM tuner module (metal box on rear deck or rear side panel), with or without subscription; however, if subscription has expired (with no plans to renew) an AUX input jack is provided

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

Installation:

Radio removal required to gain access to the connectors.

1. Using a panel removal tool, unclip and remove the top A/C vents panel (See Fig. 1)

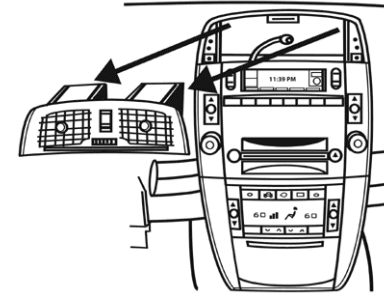


Fig. 1

2. Open ash tray and remove tray. Extract (1) 9/32" screw in tray cavity. (A Phillips head can be used to remove the screw)
3. Using a panel removal tool, unclip and remove A/C Control/ash tray assembly below the radio (See Fig. 2)

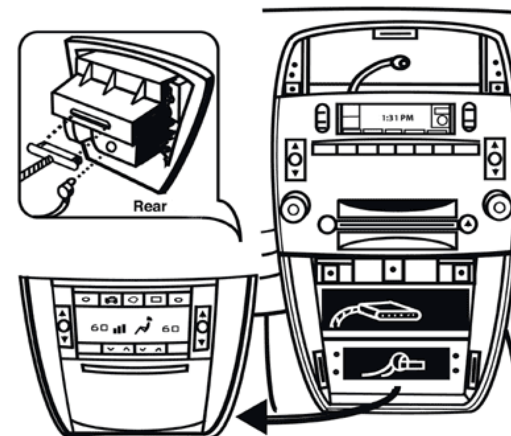


Fig. 2

4. Remove the (4) 10mm screws securing radio to the dash (See Fig. 3)

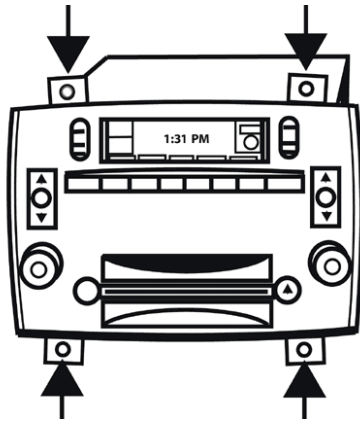


Fig. 3

5. Pull radio forward to reveal the connectors (See Fig. 4)

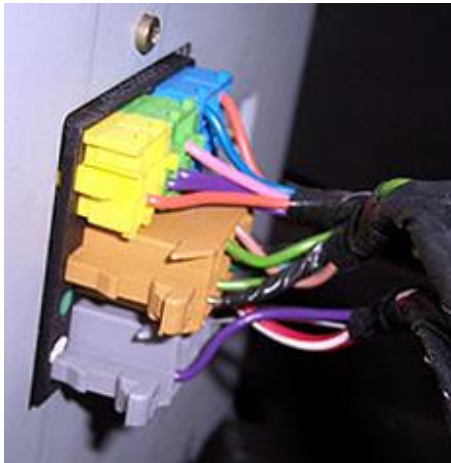


Fig. 4

Radio connectors

6. Disconnect factory 8-pin GRAY plug from radio (See Fig. 4) and connect to 8-pin BLACK plug on harness (See Fig. 5)

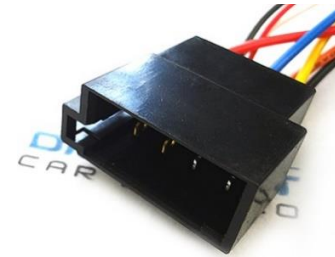


Fig. 5

7. Connect harness 8-pin BLACK plug (See Fig. 6) to radio chamber vacated in step 6.

Warning: Module is wired to receive 12V from radio amplifier turn on lead (PIN 2-gray plug); however, radio may not provide enough current to power both the module and Bose amplifier and as a result the module will work intermittently. In this instance module must be powered elsewhere.

To power module from an alternate accessory source:

Disconnect terminal (1) and (2). Connect (2) to terminal (3) on 5ft red wire. ((1) is left unused. Route and connect red wire to 12V accessory supply in vehicle available under steering column inside driver's lower-dash kick panel. Panel is supported by three bottom screws and three metal/plastic clips at the top. Brown wire coming off ignition harness provides ACC power.

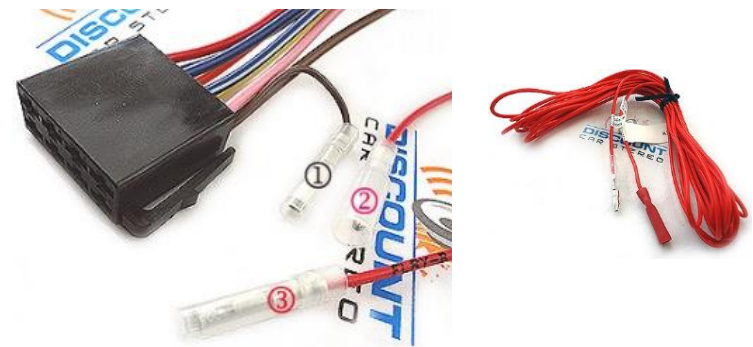


Fig. 6
harness

Warning: The AZDIY-CTSx will not operate in RAP (Retain Accessory Power) mode. Ignition must be turned ON in order to hold phone calls, stream applications or listen to XM (if subscribed)

8. **Non-XM subscribers:** Connect included 3.5mm male to male audio cable (See Fig. 7) to module "AUX" jack (See Fig. 8) and route other end to front of the dash where aux device will reside (within 3ft.)



Fig. 7
audio cable



Fig. 8
Module inputs

9. Install microphone to visor or headliner using included visor clip (See Fig. 9a).



Fig. 9
Microphone



Fig. 9a
Visor clip

10. Carefully route microphones plug down side pillar and behind the dash and connect to module "MIC" input (See Fig. 8)

Excursive caution when routing microphone so to not damage the cable and ensure no ventilation ducts are pointed towards microphone.



Visor

Optional charging kit (not for thumb drives etc.)



Optional charging kit is not a regular charger. It supports BC1.2, QC2.0, QC3.0, PE1.1, PE2.0, FCP, SFCP fast charge protocols (Samsung, Huawei etc.).

Features:

- » Input voltage: **6-24V DC**
- » Working current: **30mA**
- » Default output voltage: **5V or 3V-12V** (device dependent)
- » Max output power: **24W**

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

- 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-** (freestanding- 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 USB male terminal (See Fig. 11) through hole created in step 1 and connect to module female port (See Fig. 12)



Fig. 11



Fig. 12

3. Snap USB header (See Fig. 13) in place until flush with mounting surface (See Fig. 14)



Fig. 13
header



Fig. 14
Flush mounted to dash

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
bracket

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



Fig. 16

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



Fig. 17

Connect **BLACK** wire to ground (radio chassis, radio ground wire etc.), and **RED** or **YELLOW** to accessory or battery supply. Your choice!
Tuck away any extra wires and verify **BLUE** LED is lit.

Media remote control

Pairing media button: Ensure Bluetooth is enabled on your device (e.g., Smartphone/Tablet etc.)

Press and hold pause/play button (See Fig. 18) until Blue LED begins flashing
Scan smartphone for available devices and select **BT009** from list. (Blue LED turns off).



Fig.18

Installation:

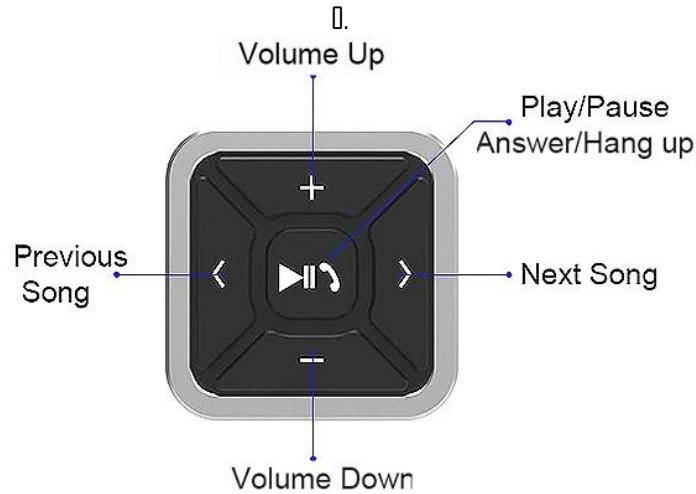
Attach the button to steering wheel (includes holder) or dashboard using included double-side tape – your choice.



Operation:

Once paired with smartphone/Tablet, users may perform the following functions on iOS devices with Bluetooth 3.0 and later or Android 4.0 or later.

Media button functions are NOT applicable to the CS radio.



Charging:

Media button built-in rechargeable 200mAH battery may last up to 10 days. Use supplied USB cable to charge. Red LED indicates charging; A full charge is reached after 2 hours at which time LED turns off.



Module 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 A2DP device: go to **Bluetooth Settings**
3. Select **Bluetooth** to enable
4. Tap **Scan for devices**.
5. Wait for Bluetooth device name (See **Fig. 19**) to appear and tap it. *Once paired confirmation tone is heard on car speakers*

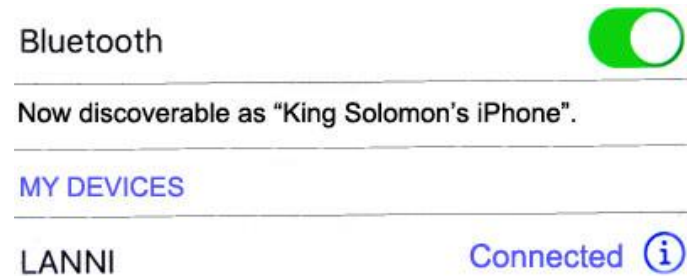


Fig. 19

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.

Warning: Caller ID and text are **not shown on radio display**. Operate Bluetooth device with smart remote, VR (voice recognition) or built-in touch controls. Radio buttons can be used to adjust playback level

Operation:

Test Operation:

1. Turn ignition and radio "ON"
2. Press radio "BAND" or "XM ½" soft button to enter Bluetooth mode
3. Launch streaming application (e.g., Pandora, Apple music etc.)
4. Use device built-in control or media button to change tracks, adjust device volume, pause/play etc.
5. Place test call or ask someone to call. Press media button "Pause/Play" button to accept/end call.

Use media button Pause/Play to switch between AUX/XM playback and Bluetooth.

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

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. *Media button does not control XM/AUX device or radio functions. Use aux device built-in controls and radio buttons as customary.

Frequent ask questions & troubleshooting:

1. **My XM subscription has expired. Will the A2DIY-CTSx work without subscription?**
YES. If subscription has expired (no plans to renew in the future), an AUX input jack is provided through which users can connect and play portable audio devices (Mp3 Players, iPod, DVD, iPad etc.) **Aux input not available to XM subscribers.**
2. **I'm not the original owner and don't know if vehicle has XM Tuner. How can I find out without ripping it apart?**
Turn radio "ON". Press "BAND" button repeatedly to cycle through AM/FM/CD/XM1/2. If only AM/FM is displayed, vehicle does not have required XM Tuner module and is NOT compatible. On Navigation radios if XM button is grayed-out, vehicle does not have XM tuner module.
3. **Does the A2DIY-CTSx work on all radios?**
Works on first generation CTS Navigation and non-Navigation radios. Also works on SRX non-Navigation only. **(not applicable to SRX Navigation radios).**
4. **Can I control Smartphone music from radio buttons?**
NO; you must continue to use device built-in touch controls or included media button (remote). Factory radio volume button is used to set playback level and tone control.
5. **Does phone number, song name etc. shown on radio display/screen?**
NO. Smartphone or audio device screen must be used to display song and number details.
6. **My XM subscription is active, but how do I listen?**
Press BAND or XM1/2 button on radio to enter XM Mode (if not already) XM should automatically play, otherwise press media button **pause/play**
7. **Will radio mute when I receive or make a phone call?**
This system will mute only if radio is in Bluetooth (XM) mode. If in AM/FM/CD mode, no mute function. In addition, user must switch to "XM" (Bluetooth Mode) so callers voice can be heard on car speakers.
8. **My second phone does not pair or find Bluetooth module?**
In order to pair other devices ensure no other is connected this will then allow another device to pair.

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

NO. The USB port is for charging only.

10. **What are the major differences between the A2DIY-CTSx and A2DIY-CTS?**

The A2DIY-CTSx works in vehicles with XM tuner module with or without subscription. A2DIY-CTS (discontinued) applies to vehicles without XM Tuner module.

11. **My vehicle does not have XM tuner. Will I still be able to add Bluetooth?**

NO! Unfortunately, module for this application has been discontinued.

Disclaimer

- This product has no affiliation with Cadillac
- We're not liable for misuse of this product.
- We recommend professional installation

For help email support@discountcarstereo.com

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