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## A2DIY-ST5

### QUICK START BLUETOOTH MODULE INSTALLATION GUIDE FOR 2005-11 CADILLAC ST5 WITH XM MODULE (U2K)

Created November 19, 2019

Revised: September 2, 2023

## 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 document 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 module with or without subscription

## Introduction

2005-II Cadillac STS owners eager to bring their smartphones and other digital media devices on the road will be pleased with our AZDIY-STX Bluetooth module. This module works with virtually all Bluetooth phones and sounds great for (1) Mobile conversations, (2) music streaming and more. If XM subscription is current, this module retains subscription, if expired; an **AUX input** jack is provided to which users may connect and play portable audio devices (e.g., MP3 player, iPod, etc.) The included remote control allows tack up/down; adjust volume on smartphone and to also useful when switching between sources.

**Keep radio, car and XM subscription** while enjoying Bluetooth features only available on newer cars.

**Warning:** Vehicle must have an **XM module with or without subscription**. If subscribed, the service remains operational, if not subscribed an AUX input jack is provided instead. (See [product](#) page for details)

**Note:** XM module is not built-into the AM/FM radio but rather a metal box in remote area (behind glovebox, trunk, hatch etc.)

**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)

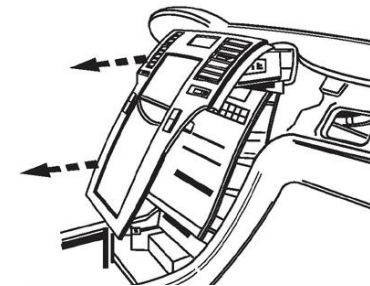


Fig. 1

2. Remove 10mm screws securing radio to dash (See Fig. 2)

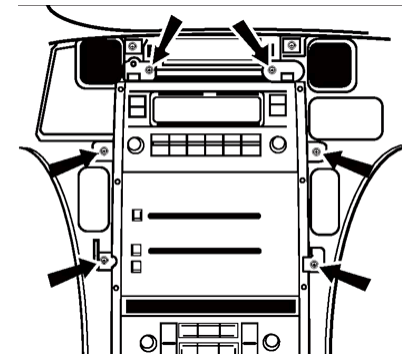
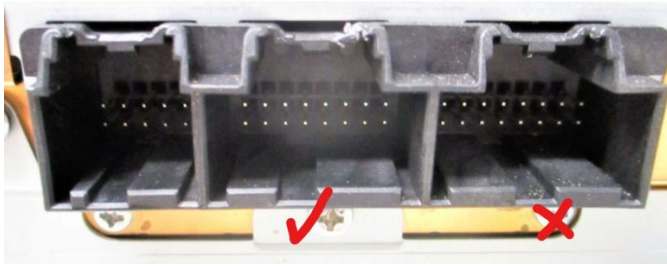


Fig. 2

3. Pull radio forward to reveal connectors (See Fig. 3)



**Fig. 3**  
Radio 16-pin connector

4. Disconnect factory 16-pin XM plug (See **Fig. 4**) from radio (See **Fig. 3**). To disconnect, pull back **BLUE** locking tab, press **BLACK** tab, gasp and pull plug from radio. (See **Fig. 4**)



**Fig. 4**  
16-pin plug

**Warning:** To avoid connecting errors, all 16-pin connectors are "keyed". The 16-pin plug (See **Fig. 4**) included in this kit is "Keyed" and will only fit the radio XM port (See **Fig. 3**)  
Avoid pulling on wires. Grasp plug to remove.

5. Connect factory 16-pin plug to harness 16-pin connector (See **Fig. 5**)



**Fig. 5**  
16-pin connector

6. Connect harness 16-pin plug to radio chamber vacated in step 4
7. Secure **BLACK (ground) wire** to vehicle chassis or remove radio chassis screw and secure ground wire to radio as seen in **Fig. 6**



**Fig. 6**

**Warning for vehicles with Bose amplifier:** The radio powers module, however if equipped with BOSE amplifier; the radio may not be able to supply enough current to module and BOSE amp. (Module playback will distort or play intermittently). In these instances locate and disconnect (twist) the two clear connectors on harness. Connect clear connector to extension cable included in kit (See **Fig. 7**) and extension to alternate 12V accessory source in your vehicle (e.g. Fuse box, cigar lighter etc.)



**Fig. 7**

8. Locate 12V accessory at vehicles cigar lighter, fuse box, ignition cluster etc.)

**Warning:** Extension (Fig. 7) must be connected to a switched/accessory supply source, not constant battery supply.

**Vehicles with Active subscription go to step 11**

9. Connect supplied 3.5mm audio cable (See Fig. 8) to module "AUX" jack (See Fig. 9). Route other end to front of the dash or wherever Aux device will reside (within 3 ft.)



**Fig. 8**  
Aux cable



**Fig. 9**  
Module

10. Install microphone (See Fig. 10) to vehicles visor or headliner using included visor clip (See Fig. 11).



**Fig. 10**  
Microphone



**Fig. 11**  
Visor clip

11. Carefully route microphone wire down side pillar and behind dash into radio cavity.
12. Connect microphone plug module "MIC" input (See Fig. 9)  
**Exercise caution when routing microphone so to not damage the cable and ensure no ventilation ducts are pointed towards microphone.**



## Optional USB type-C charging kit (charge only)



Fig. 12

Step drill bit

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

**A. Flush to dash/panel requires drilling a  $\frac{3}{4}$ " 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  $\frac{3}{4}$ " hole in the dash/panel using a step drill bit or equivalent (See Fig. 12)

2. Insert USB cable through hole created in step 1
3. Connect USB terminal to USB-C charger (See Fig. 13)



Fig. 13

4. Snap USB head to hole opening until flush with surface (See Fig. 14)



Fig. 14

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 charger and mount support bracket (See Fig. 15)



Fig. 15

mounting bracket

2. Insert USB cable through bracket hole (See **Fig. 16**) and connect to USB-C charger (See **Fig. 13**)



**Fig. 16**

3. Snap USB head to bracket opening 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***)

## Bluetooth remote control

### Pairing:

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

Press and hold pause/play until Blue LED begin flashing

Scan smartphone for available devices and select **BT009** from list. (Blue LED turns off).



### Installing:

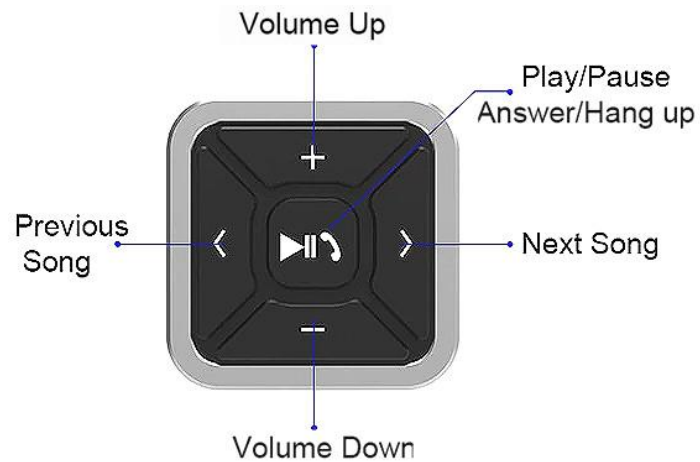
Attach the button to steering wheel (includes holder) or attach to dashboard using included double-sided tape – your choice.

Because the media button pairs with your Smart device, it can also be used at home, in the park or wherever you decide to play your tunes.

### Operation:

Once paired to smart device (e.g., Phone, Tablet, etc.), users may perform the following functions on iOS with Bluetooth 3.0 and later or Android 4.0 or later.

**The media button function applies to smartphone NOT the Jaguar radio.**



### Charging:

Media remote button built-in rechargeable 200MAH battery may last up to 10 days. Connect included USB cable to charge charging port at the back. 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 will flash rapidly (pairing mode)*
2. On A2DP device: go to **Bluetooth Settings**
3. Select **Bluetooth** and enable it
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*

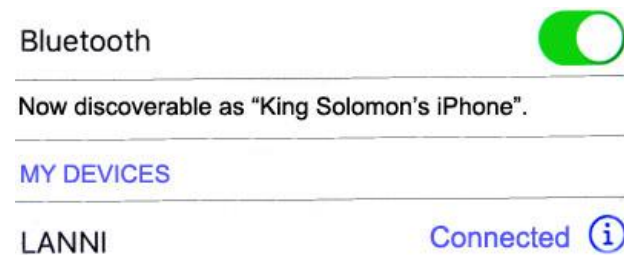


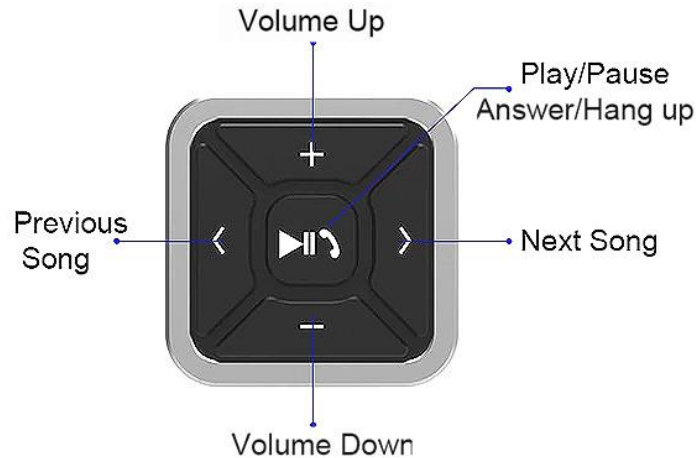
Fig. 18

**Warning:** Caller ID, ID3 tags etc., are **not shown on radio display**. Operate Bluetooth device via wireless remote control, VR (voice recognition) or smartphone built-in controls. Radio buttons can be used to adjust playback level



## Operation

1. Turn ignition and radio "ON"
2. Press "BAND" or "XM" button on radio.
3. Launch Smartphone or tablet music streaming application
4. Ensure audio device volume is set to 80% or more.



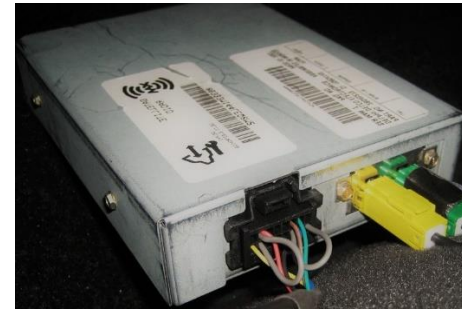
5. Place call. Press **Pause/Play** to answer/end call.
6. If correct operation is confirmed go ahead and reinstall radio.

**If successful go ahead and reinstall radio**

## Frequent ask questions & troubleshooting

1. **Don't all STS radios have built-in XM tuners?**

**NO!** Unlike AM/FM tuners, the XM tuner module is not built into the radio. XM module is a metal box (See **Fig. 21**) installed in remote location (trunk, hatch, glovebox area etc.) and connects to the AM/FM radio via a 16-pin harness. For the A2DIY-STS to work, vehicle must have module pictured in Fig. 22 below. **See question #5.**



**Fig. 21**

2. **Will the A2DIY-STS work in vehicles with Navigation?**

**YES;** works in both Navigation and non-navigation radios with **XM module seen in Fig. 21**

3. **My XM subscription has long expired, will the A2DIY-STS still work?**

**YES;** as long as XM module remain in vehicle.

4. **My XM subscription is active. Will it be lost after installing the A2DIY-STS?**

**NO,** this module retains XM subscription. Select "Subscribed". If subscription has expired; an AUX input jack is provided.

**NOTE:** If not currently subscribed but plan to renew at a future date, select "Subscribed" otherwise XM will not play through upon renewal.

5. **I'm not the original vehicle owner and don't know if it has an XM module. How can I verify vehicle has required XM module?**

Turn radio "ON", press "BAND" button repeatedly to cycle through AM/FM/CD/XM. **If only AM/FM/CD is displayed, vehicle is NOT compatible.** Navigation radios: if XM softkey is "grayed out", vehicle does not have XM tuner and not compatible with this part.

6. **My STS has factory Hands-free kit but does not support streaming. Is there something you offer to add streaming?**



**YES;** purchase our [A2D-STS](#) to add music streaming to factory system. The A2D-STS will not interfere with factory hands-free kit. Pair smart device to both modules.

7. **Can I use steering wheel or radio buttons to control music playback?**

**NO;** you must use included media button or Smartphone built-in controls and display for access/controls.

8. **Do I have to pair smartphone to module in order to hear XM or AUX?**

**NO.** XM or AUX playback is possible without pairing phone. Simply place radio in XM mode (press BAND button) and XM (if subscribed) or AUX device will play. To stream music or initiate/receive Bluetooth calls, smartphone must be paired to module and radio must be in XM mode.

9. **My module connects and pairs, but playback is distorted, low or intermittent. What can be done to remedy this?**

This situation may arise in BOSE equipped vehicles where radio does not provide enough current to the amplifier and module. In these situations, use extension wire included in kit to power module from alternate power source (go to page 3)

**Disclaimer**

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

Email [support@discountcarstereo.com](mailto:support@discountcarstereo.com)

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