Driving without distraction is a necessity for a safer driving experience.

BTH-STS

QUICK START BLUETOOTH MODULE INSTALLATION GUIDE FOR 2005-11 CADILLCAC STS <u>WITH XM MODULE</u> (U2K)

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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 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

2005-11 Cadillac STS owners eager to bring their smartphones and other digital media devices on the road will be pleased with our A2DIY-STS Bluetooth module. This module works with virtually all Bluetooth phones and sounds great for (1) Mobile conversations, (2) music streaming, charging and more. Works in vehicle with XM module (active or expired subscription). If subscription is active, it remains active and if expired; an **AUX input** jack is provided to which users are able to connect and play portable audio devices (e.g., MP3 player, iPod, etc.) The included remote allows tack up/down; adjust volume and switch between sources.
Keep the radio, car and XM subscription while enjoying Bluetooth features only available on newer cars.

Warning: Vehicle must have an **XM module** regardless of subscriptions status (expired or active). If active; the service remains operational and if expire; and 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.) – See Fig. 23
Press the radio "BAND" button to cycle AM/FM/XM. IF only AM/FM appears; your vehicle, sadly does not have the required XM module.

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

Installation

Radio removal required to gain access to the connectors.

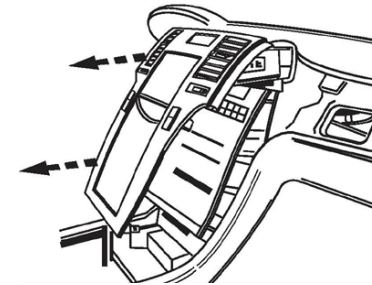1. Using a panel removal tool, unclip and remove the top A/C vents panel (See **Fig. 1**)

Fig. 1

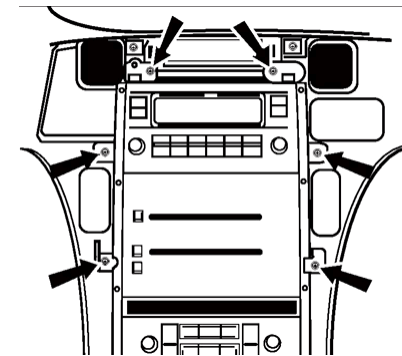2. Remove 10mm crews securing radio to dash (See **Fig. 2**)

Fig. 2

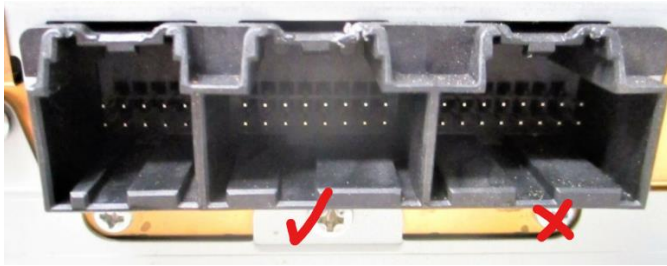3. Pull radio forward to reveal connectors (See **Fig. 3**)

Fig. 3
Radio 16-pin connector

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

Fig. 4
16-pin plug

Warning: To avoid connecting errors, the radio 16-pin connectors are "keyed" to only fit the radio XM port (See **Fig. 3**)
Avoid pulling on wired. Grasp plug to remove.

5. Connect factory 16-pin plug (from step 4) to installation harness 16-pin connector (See **Fig. 5**)

Fig. 5
16-pin connector

6. Connect installation harness 16-pin plug to radio chamber vacated in step 4
7. Secure **BLACK (ground) wire** to vehicle chassis. (remove radio chassis screw and secure ground wire as seen in **Fig. 6**)
8. **Non-BOSE systems**; skip to step 11

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). Vehicles with BOSE must locate an alternate 12V accessory source in vehicle (e.g. Fuse box, cigar lighter etc.) and connect the red accessory wire (See **Fig. 7**)

Fig. 7

9. 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.

10. Vehicles with active subscription, go to step 12

    Vehicles with Active subscription go to step 11

11. 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

Fig. 9

12. **Optional:** Drill a 15/64 or 1/4" hole in dash or panel, push aux jack shaft through and secure with nut (See **Fig. 10**)

Fig. 10

Warning: Aux jack may be left freestanding, but to be mounted, ensure panel is **less than 4mm thick** otherwise shaft may not protrude enough to engage with nut. If necessary, use dremel, sander etc. to thin panel or choose alternate mounting location.

13. Secure microphone to headliner or visor using included clip (See **Fig. 11**)
14. Route microphone cable (10 ft. long) down side pillar, under steering column and into glove box area,
15. Connect microphone plug to module "MIC" input jack. (See **Fig. 12**) Wind noise will negatively affect phone audio. Users are advised to install microphone away from wind/ventilation ducts etc.

Fig. 11

Fig. 12

16. Connect installation harness 16-pin plug (See **Fig. 13**) to module 16-pin connector (See **Fig. 14**)
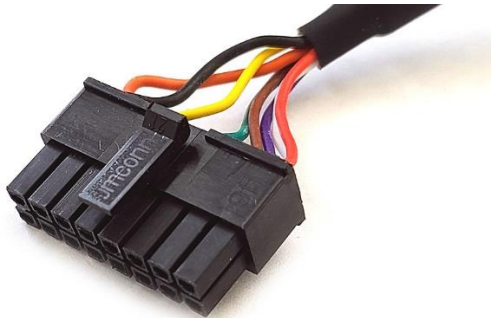
Fig, 13

Fig. 14

Optional USB extension cable installation

Note: 1. Optional USB dash mount extension cable is not required for operation, however it extends USB charging port (See **Fig. 17**) to dashboard, glovebox etc.
2. The USB port supports software updates and charging only

1. Drill a ¾" hole to dash or panel using a step drill bit or equivalent (See **Fig. 20**) As an alternative; use the included bracket (See Fig. **14**) to mount USB without drilling.

Fig. 15

2. Fish USB cable terminal (See **Fig. 10**) through hole created in step 1 and plug into USB port on module (See **Fig. 11**)

Fig. 16
USB cable

Fig. 17

3. Snap header (See **Fig. 18**) to surface until flush (See **Fig.19**)

Fig. 18

Fig. 19

Fig. 20

Tuck and secure any extra wires from moving parts and proceed to next step

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. 21**)
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"
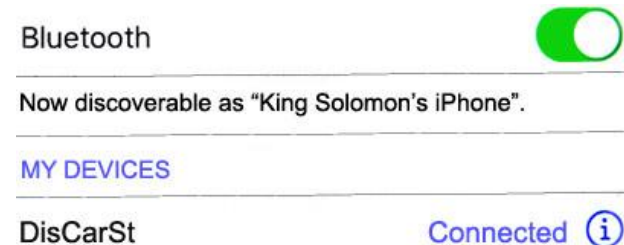

Fig. 21

Operation

1. Turn ignition and radio "ON"
2. Press "**BAND**" button on radio to enter Bluetooth mode
3. Launch audio device streaming application.
4. Use wireless remote buttons or device built-in controls to change tracks, adjust device volume, pause etc. (See **Fig**. **22**)
5. To listen to separate CD/TAPE or CD changer, tab **Pause/Play** on remote control.
6. To switch back to streaming, tap **Pause/Play** button on remote control
7. Place test phone call or ask someone to call.
   Note: Ensure radio is in "XM" mode
8. To accept, tap "**PREVIOUS TRACK**" on remote control (See **Fig. 22**)
9. To reject, tap "**NEXT TRACK**" remote control (See **Fig. 22**)
   Note: To adjust volume (+/-) use tapping action instead of tap and hold

Fig. 22

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

Frequent ask questions & troubleshooting

1. **Don't all STS radios have built-in XM tuners?**
   NO! Unlike AM/FM radio tuners, the XM tuner module is not bult-into the radio. XM module is a metal box (See **Fig. 23**) 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.**
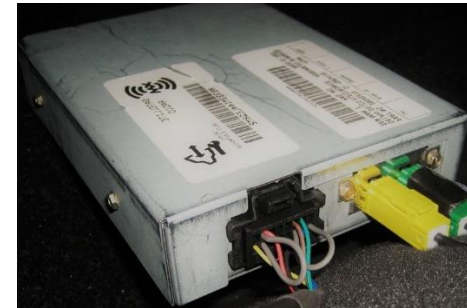

Fig. 23

2. **Will the BTH-STS work in vehicles with Navigation?**
   YES; works in both Navigation and non-navigation radios with **XM module seen in Fig. 23**
3. **My XM subscription has long expired, will the BTH-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 BTH-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 [BTA-STS](#) to add music streaming to factory system. The BTA-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 remote control 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 paring 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 if vehicle has BOSE amplifier.
   If you purchased a non-BOSE version and vehicle has BOSE, please contact us for help modifying the install harness.

10. **How do I insert or change battery in the remote-control?**
    Insert CR2025 battery to holder with label side up or as seen in **Fig. 23**

Fig. 23

11. **I'm experimenting annoying engine noise (alternator whine that increases with engine speed) Is there a fix for this?**
    We recommend installing our in-line BT63-NF (See **Fig. 24)** noise filter. This plug-n-play noise filter fits between the radio harness and module. [Click here](#) to purchase.

Fig. 24

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