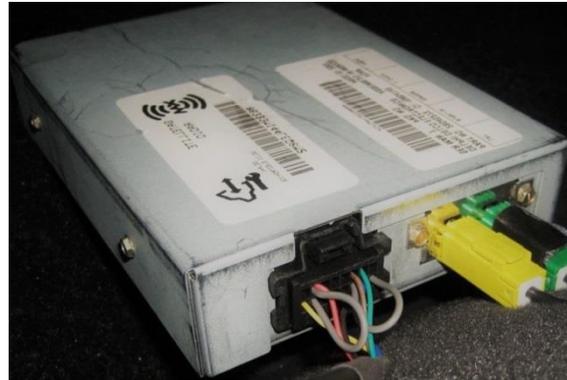


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Required XM TUNER MODULE

A2DIY-GM3X

QUICK START INSTALLATION GUIDE FOR GM CLASS II WITH RSE AND/OR XM MODULE

Created: November 19, 2019
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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 MODULE (U2K) WITH OR WITHOUT SUBSCRIPTION

Introduction

(Newest version 4.25)

The A2DIY-GM3x kit is compatible with virtually all Bluetooth phones, and sounds great whether using for mobile conversations, streaming music or retaining XM (if subscribed). The A2DIY-GM3x works in 2003-12 GM Class-II vehicles equipped with RSE and/or XM module (See **Fig. 18**) which is a separate rectangular metal box in remote area (below glovebox, rear hatch, trunk etc.) with or without subscription. If subscription has expired; an AUX input jack is provided for users to connect and play portable audio devices such as MP3 players, iPods etc. If subscription is "Active" it remains operational. Also works in vehicles with RSE (DVD). If vehicle has RSE and also an XM active subscription, both remain functional if either DVD or "Subscribed" version is purchased otherwise RSE and XM audio will be lost upon renewal. A new media bottom (remote) is included from which users can adjust smartphone volume, track selection and more. An **optional** Smart charging kit is available to charge those power-hungry devices while on the road. The A2DIY-GM3x adds Bluetooth features to older GM vehicles with XM module - (vehicle must have module seen in **Fig. 18**)

Warning: Vehicles without RSE or XM module are not compatible.

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

Installation

Radio removal required (Vehicle specific radio removal instructions are not part of this guide, but may be **available upon request**)

1. Disconnect 12-pin plug from radio by squeezing blue lock tabs (See **Fig. 1**)



Fig. 1
factory 12-pin plug

2. Connect factory 12-pin plug to harness 12-pin socket (See **Fig. 2**)



Fig. 2

3. Connect harness 12-pin plug (See **Fig. 3**) to radio socket vacated in step 1.



Fig. 3
harness 12-pin plug

4. **If NOT retaining XM (Expired subscription):**
Connect male-to-male cable audio cable (See Fig. 4) to module "AUX" jack (See Fig. 5)



Fig. 4
3.5mm male to male cable



Fig. 5
Module

5. Secure microphone (See Fig. 6) to visor or headliner using included visor clip (See Fig. 7)



Fig. 6
Microphone



Fig. 7
Visor clip

6. Route microphone cable (10 ft.) down pillar, under driver kick panel and across to radio cavity and connect to module "MIC" jack (See Fig. 5)
Be cautious not to damage or cut both microphone cable.



7. Connect installation harness **red wire** to **12V accessory supply** in vehicle.
Do not connect red wire to 12V constant supply (battery).



Tip: There is no accessory (ACC) wire on GM radio harness. Locate suitable 12V supply in fuse panel. Accessory power is active when ignition is in "ACC" or "ON" positions.

8. Connect **Black** wire with ring terminal to radio chassis by removing chassis screw and secure ring terminal or simply ground to alternate location. Please black wire is properly grounded otherwise module will not properly power on.

Warning: The A2DIY-GM3x will not operate in RAP (Retained Accessory Power) mode. Ignition must be "ON" during calls, streaming applications or for RSE/XM (if subscribed) to be heard. For module to work in RAP mode we recommend purchasing our [TR-4](#). Connecting the TR-4 green wire to any radio speaker output wires will allow module to remain "ON" up and until radio is turned off.

Optional USB type-C charging kit (charge only)



Optional USB type-C charger can be added to the A2DIY-GM3x kit. 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. On module installation harness locate charger 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 3.2 ft. of module and mount support bracket (See Fig. 14) to surface screws (included).



Fig. 14
mounting bracket

2. Insert cable through hole in bracket (See **Fig. 15**) and connect to charger (See **Fig. 11**)



Fig. 15

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



Fig. 16

4. Tuck and secure any extra wire away from moving parts and test operation (*See Bluetooth Pairing and Connection*)

Media 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).



Installation:

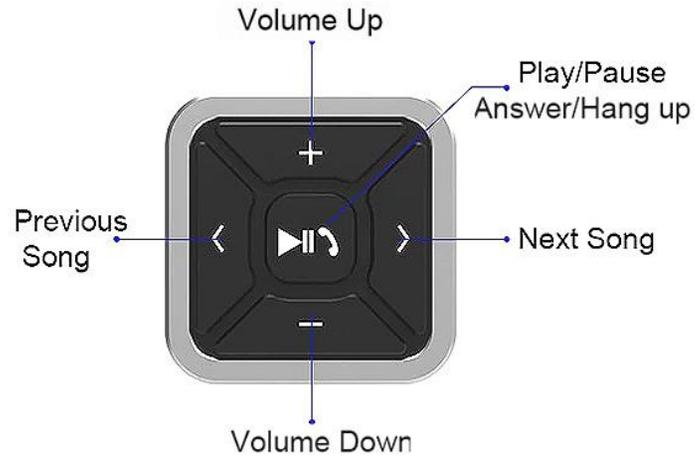
Attach the button to steering wheel (includes holder) or attach to dashboard using included double-sided tape – your choice.

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 with 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.

Remote control functions apply to iOS and Android smartphones. Do not apply to GM radio.



Charging:

Media 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"
2. Open audio device (e.g. Smartphone) **Bluetooth Settings**
3. Verify **Bluetooth** is enabled otherwise enable it at this time.
4. Tap **Scan or search for devices**.
5. Wait for Bluetooth device name (See **Fig. 17**) to appear and tap it. *Once paired confirmation tone is heard on car speakers*

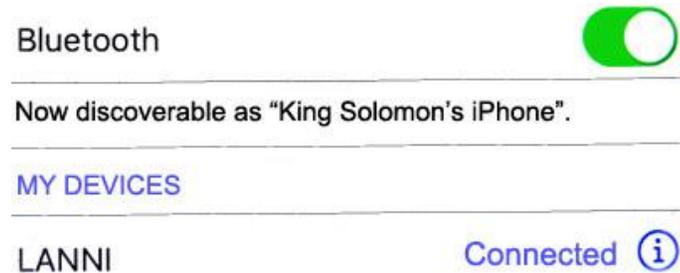


Fig. 17

Noteworthy: Renaming Bluetooth name to something of your choosing is possible on some Android devices but may not be possible on newer iOS devices. Please consult device manual.

Operation

1. Turn ignition and radio "ON"
2. Press "BAND" or "XM" button on radio
3. Launch smartphone music streaming application
4. Use smart remote to change tracks, adjust device volume, pause etc.
5. Place test call or ask someone to call. Use push button to accept call (iPhone and Android) or press **Pause/Play** on smart remote (Android only)
6. If correct operation is confirmed go ahead and reinstall radio.

Warning: Caller ID and text 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

XM/RSE or AUX PLAYBACK:

- a. Press radio "BAND" or "XM" button
- b. Press **Pause/Play** on media remote

Control XM from radio buttons as customary and aux device from its built-in controls/display.

2. To return to music streaming:

Press **pause/play** on media remote.

Note: Once paired, streaming has priority. XM/AUX playback is possible when audio device is paused, un-paired, or out of range.

Frequently asked question & troubleshooting

1. **My vehicle has XM module but subscription has expired. Will the A2DIY-GM3x work?**
YES. If subscription has expired, an aux input jack is provided for users to connect and play an audio device (Mp3 Players, iPod, DVD, iPad etc.) Aux. input option is **not available** for active subscribers or with RSE.
2. **My vehicle has RSE and XM module (expired subscription). Will the A2DIY-GM3x work?**
YES. Selecting RSE version allows it to remain functional and will also allow XM playback if an when subscription is activated.
3. **I'm not the original owner and don't know if vehicle has XM module. How can I find out without ripping it apart?**
Turn radio "ON", press "BAND" button repeatedly to cycle through AM/FM/CD/XM1/XM2. If only AM/FM is displayed, vehicle does not have required XM module.
4. **Does the A2DIY-GM3x work on all GM radios?**
Works on Navigation and non-Navigation GM Class-II radios with RSE and/or **XM tuner module** (with or without subscription)
5. **Can I control Smartphone music from radio buttons?**
NO; you **must continue to use smartphone built-in controls or included media button/or voice commands.** Use radio volume control to set playback level.
6. **Is caller name/phone number shown on radio display?**
NO. Caller ID information, song name etc. are not displayed on radio screen.
7. **What do I need for the A2DIY-GM3x to work in my vehicle?**
For the A2DIY-GM3x to work, vehicle must have RSE and/or **XM module (metal box in remote area—See Fig. 18)** XM module is **not built-into the AM/FM/CD/TAPE radio** --- don't ignore this.
8. **My XM subscription is active. How do I listen?**
Press **BAND or XM** button on radio to enter XM mode (if not already), then press **Pause/Play** on remote control.
9. **Will radio mute when I receive or make a phone call?**
This system will not mute unless radio is in "XM (Bluetooth mode). If in AM/FM/CD or TAPE mode, radio will not mute. In addition, user must switch radio to Bluetooth mode (XM)

10. **How do I pair a second phone to module?**
 In order to pair a second phone make sure no other phones are connected. Once Bluetooth is disabled on first device, module will be ready for pairing.
11. **My radio has a built-in 6-CD changer. Will the A2DIY-GM3x work?**
YES, So long vehicle has RSE and/or XM tuner module which is not built-into AM/FM radio, but rather a metal box installed near glove box (trunks/SUV's), trunk or hatch (sedans) See Fig. 18



Fig. 18
 vehicle must have this XM tuner module

12. **When I turn ignition "OFF", the radio remains "ON" and streaming/hands-free operations does not work. What solution is there to allow module to remain active?**
 Purchase and install this [Low voltage trigger](#)
 Connect ground (black), battery (yellow) to respective circuits on radio harness. Connect trigger input (Green) to any speaker output wire on radio harness. Finally connect +12V output wire (Blue) to module accessory wire (RED)

Feature comparison chart

Feature	A2D-GM3(X)	A2DIY-GM3x
Retains XM (U2K)	²	✓
Retains RSE (DVD)	²	✓
Audio input (AUX)	✓*	Not subscribed
Charging (USB)	X	Optional
Mutes radio (All modes)	X	X
Microphone	X	✓
Requires XM module, RSE or Remote changer	✓	✓
Voice Recognition	X	X**
Plug-n-play installation	X	X
Smart media button	² remote	✓
Module installs:	Radio or XM module	Radio

*Aux input instead of XM playback

** activate VR on audio device as customary

² optional [remote](#)

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

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