



## BTH-GM3X

### QUICK START HANDS-FREE, AUDIO STREAMING INSTALLATION GUIDE FOR GM CLASS II VEHICLES WITH XM MODULE & RSE

Created August 16, 2024  
Revised December 29, 2024

## 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:

Vehicle must have an XM module (L2K) with or without subscription WITH OR WITHOUT RSE (DVD)

## Introduction

Most 2003-12 GM Class II vehicles were outfitted with XM and with it a 1-year free subscription. Many opted to renew subscription while others did not, nevertheless the XM module remain hidden. If your GM vehicle has the hideaway XM module (See Fig. 1); active or expired subscription; the new BTH-GM3x (formerly A2DIY-GM3x) makes use of the XM port to input audio from smart device. A Bluetooth connection means no wires, clutter or complicated setup. Simply connect the BTH-GM3x to the 12-pin port on the AM/FM radio, pair audio device, and enjoy Hands-free calls, music applications including internet music streaming sites, audiobooks, GPS apps and charging. For the BTH-GM3x to work, **vehicle must have XM module (with or without subscription)**. If XM subscription is active; service remains uninterrupted and if expired; an AUX input jack is provided. If vehicle has rear DVD (RSE) or remote CD changer, AUX input jack is not an option,

See frequently asked question at the end of this guide for details.

**WARNING: XM module is not part of or built-into the AM/FM radio, but a separate "metal box" in remote area (e.g., under glovebox, rear side panels, trunk etc.) See table at the end of this guide for possible XM module location.**

## Installation – Behind dash/radio

**WARNING:** The BTH-GM3x connects to the 12-pin plug behind the radio/dashboard. Radio removal required.

**Vehicle specific radio removal steps are not part of this guide but are available upon request.**

1. With radio removed; disconnect the factory 12-pin plug from radio by pressing release tabs (See Fig. 1)



Fig. 1

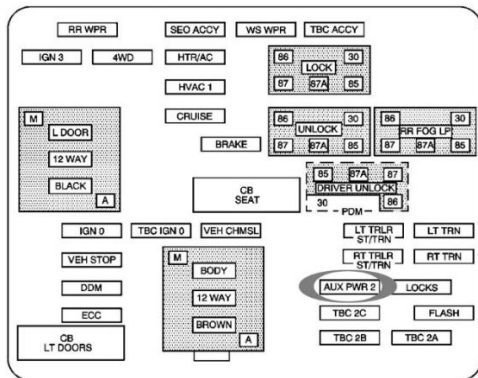
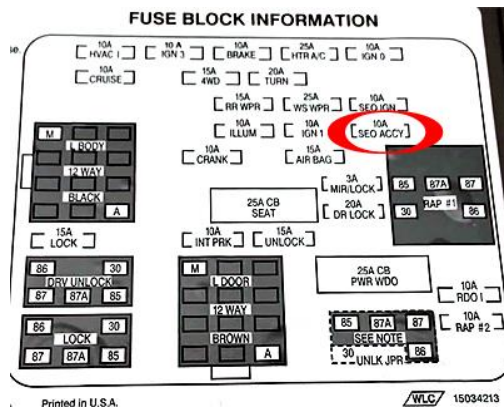
2. Connect factory 12-pin plug (from step 1) to the 12-pin socket (gray) on installation harness (See Fig. 2)



Fig. 2

3. Connect installation harness 12-pin plug (black) (See Fig. 2) into the radio 12-pin socket vacated in step 1
4. Splice/Tap/connect red wire to **12V Accessory supply** in vehicle. Unfortunately, there is no ACC wire on GM Class-II radio harness. Use voltmeter or test light to determine circuit condition and ensure power is only available when ignition key is in "ACC", "ON", "RUN" or "RAP" positions. Accessory supply usually available in vehicle fuse blocks. (See below)

Do not connect installation harness RED wire to 12V constant (battery) supply. Not only will module not pair upon entering vehicle, but risk draining the battery.



5. Secure installation harness ring terminal to ground. We recommend removing one of the radio screws and securing it to the radio chassis (See Fig. 3)



Fig. 3

**AUX JACK installation (For vehicles without remote CD changer, DVD and/or expired XM subscription) otherwise skip to step 8**

6. Carefully route aux jack (See Fig. 4) to location on dash or nearby panel where it will be mounted (within 3 ft.) Final location will vary based on vehicle and customer's preference.



Fig. 4

Aux input jack (expired XM subscription only)

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

**Alert:** Accessory (ACC) supply is also available on BROWN wire (Most GM's) under steering column or climate control harness or in driver side fuse panel.



Fig. 4a

**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.

- 6. Secure microphone to headliner or visor using included clip (See Fig. 5)
- 7. Route microphone cable (10 ft. long) down side pillar, under steering column and into glove box area.
- 8. Connect microphone right angle plug to module "MIC" input jack. (See Fig. 6)  
*Wind noise will negatively affect phone audio. Users are advised to install microphone away from wind/ventilation ducts etc.*



Visor microphone  
Fig. 5



Fig. 6

- 9. Connect installation harness 16-pin plug (See Fig. 7) to module 16-pin connector (See Fig. 8)

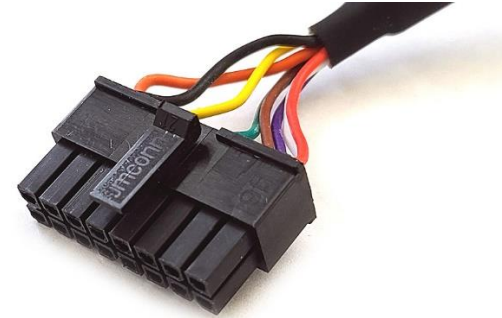


Fig. 7



Fig. 8

## 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. 11) to dashboard, glovebox etc.

2. **The USB port supports software updates and charging only**

1. Drill a  $\frac{3}{4}$ " hole to dash or panel using a step drill bit or equivalent (See Fig. 9)  
As an alternative; use the included bracket (See Fig. 14) to mount USB without drilling.



Fig.9

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. 10  
USB cable



Fig. 11

3. Snap header (See Fig. 12) to surface until flush (See Fig.13)



Fig. 12



Fig. 13



Fig. 14

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. 15)
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"

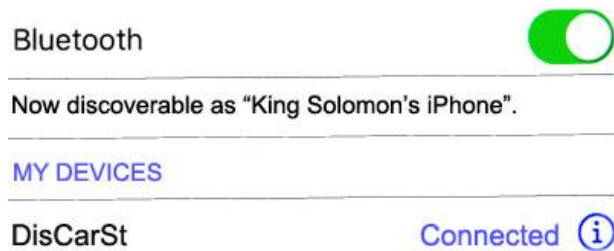


Fig. 15

## 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. 16)
5. To listen to separate CD/TAPE or CD changer, tap **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. 15)
9. To reject, tap "**NEXT TRACK**" remote control (See Fig. 15)  
**Note:** To adjust volume (+/-) use tapping action instead of tap and hold



Fig. 16

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



## Frequent ask questions & troubleshooting

1. Does the BTH-GM3x work if my XM subscription has expired?  
**YES;** The main requirement is for vehicle to have an XM tuner box (See Fig. 17) (subscription is optional)



Fig. 17

2. My vehicle is equipped with both DVD (RSE) and XM module; do I need to disconnect anything for the BTH-GM3x to work?  
**NO;** The BTH-GM3x requires XM module to function and if vehicle has RSE (DVD) it also remains functional.
3. My vehicle does not have RSE (DVD), but does have an XM module (expired subscription). Will the BTH-GM3x work?  
**YES;** As long as vehicle has XM module; the BTH-GM3x will work even if subscription has expired or if vehicles does not have RSE (DVD)
4. Can I use the BTH-GM3x to make/receive phone calls?  
**YES;** The only difference between the BTA-GM3x and BTH-GM3x is its support for HPF (Hands-free profile).
5. I've followed the install guide but not able to listen to XM. Streaming continues to play after pressing "BAND" button on radio.  
Tap the PAUSE/PLAY button on remote control to switch between streaming and XM (if subscribed).
6. Of the 2 factory options, my vehicle only has XM module (expired subscription), however I do plan to subscribe in the future. Which option should I select when ordering?  
If XM is currently expired but plan to subscribe in the future; purchase "Active subscription" otherwise XM will not play upon activation. If you DO NOT plan to ever renew XM services and vehicle DOES NOT have RSE; purchase "Expired subscription".

7. What's the difference between "Active Subscription" and "Expired subscription"? **Expired subscription means** you no longer have a plan and do not intend to ever activate the service. **Active subscription means** you are currently subscribed or plan to subscribe at a future date.  
**Warning: If you purchase "Expired subscription" and decide to activate later, XM will not play.**
8. My radio has a "BAND" button but vehicle does not have an XM tuner; will the BTH-GM3x work?  
If vehicle does not have an XM module the BTH-GM3x sadly, will not work (even if vehicle has RSE because the BTH-GM3x connects to the XM module 16-pin plug)
9. Where is the XM module located in my vehicle?  
See chart below

Make	Model	XM module location
Buick	Allure	Left Rear Q-Panel
	Enclave	Right Rear Q-Panel
	LaCrosse	Behind Rear-Left Q-Panel (Trunk)
	LeSabre	Left Rear Q-Panel
	Lucerne	Left Rear Trunk
	Rainier	Above Pass-side dash Panel
	Rendezvous	Behind glovebox
	Terraza	Above steering column
Cadillac	CTS	Rear Shelf (Deck) Left Side
	DTS	Left-Rear (Trunk)
	Deville	Behind Rear Seat/Left Q-Panel
	Escalade (EXT/ESV)	Behind Glovebox
	SRX	Behind Rear Right Q-Panel
	XLR	Between Seats
Chevrolet	Avalanche	Behind glovebox
	Cavalier	Rear Shelf (Deck) center
	Colorado	Behind Glovebox
	Corvette Coupe	Rear Left Q-Panel (above wheel well)
	Corvette Convertible	Between Seats inside hatch cover
	Equinox	Left Rear Q-Panel
	HHR	Rear Right Q-Panel
	Impala	Right Rear Q-Panel
	Malibu	Under Shelf (deck) left Side
	Monte Carlo	Behind Rear Left Q-Panel
	Silverado	Behind glovebox

	Suburban	Behind glovebox
	Tahoe	Behind glovebox
	Trailblazer	Behind glovebox
	Uplander	Above Steering Column
	Venture	Above Steering Column
<b>GMC</b>	Acadia	Rear Right Q-Panel
	Canyon	Behind glovebox
	Denali/XL	Behind glovebox
	Envoy	Behind glovebox
	Sierra	Behind glovebox
	Yukon/Denali	Behind glovebox
<b>Hummer</b>	H2	Behind Glovebox
	H3	Behind Glovebox
<b>Isuzu</b>	Ascender	Behind Glovebox
<b>Oldsmobile</b>	Alero	Right Front Passenger compartment
	Bravada	Behind Glovebox
	Silhouette	Above Steering Column
<b>Pontiac</b>	Aztek	Behind Glovebox
	Bonneville	Left Rear Q-Panel
	Grand AM	Left Rear Q-Panel
	Grand Prix	Right Front Passenger Compartment
	G6	Rear (Trunk)
	G8	Rear (Trunk)
	Montana	Above Steering Column
	Sunfire	Rear Deck (center)
	Vibe	Right Rear Q-Panel
<b>Saab</b>	9-7x	Under Glovebox panel
<b>Saturn</b>	Relay	Above Steering Column

## Feature comparison chart

Feature	AUX-GM3x	AUX-GM3	BTH-GM3x	BTA-GM3x
CD changer retention	✓	✓	✓	✓
Audio input (aux)	✓	✓	Optional	X
Supports hands-free calls	X	X	✓	X
Supports audio streaming	X	X	✓	✓
Charging (USB)	X	X	✓	✓
Mute sounds (all radio modes)	X	X	X	X
Visor microphone	X	X	✓	X
Retains XM subscription	✓	✓	✓	✓
Plug-n-play installation	✓	✓	X	X
Remote control	X	X	✓	✓
Installation location	XM module	Radio	Radio	XM module

\*Aux input instead of CD changer or XM

<sup>2</sup> 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](mailto:support@discountcarstereo.com)

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