



Driving without distraction is a necessity for a safer driving experience

GM3X-HF

QUICK START INSTALLATION GUIDE FOR GM CLASS II WITH XM TUNER MODULE OR REMOTE CD CHANGER

Created: November 19, 2016

Revised: August 23, 2022

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 (U2K) OR REMOTE CD CHANGER OR RSE(DVD)

Introduction

The GM3-HF kit is compatible with virtually all Bluetooth phones, and sounds great whether using for mobile conversations, streaming music, retaining XM (if subscribed), remote CD changer or RSE. The GM3-HF works in 2003-12 GM Class-II vehicles equipped with an XM tuner module, remote CD changer or RSE (See **Fig. 18**) If vehicle only has XM and subscription has expired; an AUX input jack is provided for users to connect and play portable audio devices such as MP3 players, iPod etc. If subscription is "Active" it remains operational. The included stylish control button (with built-in microphone) is used to launch Voice recognition application (Siri, Google Now, Blackberry Assistant etc.). Thanks to the GM3x-HF kit you **keep the stereo, XM, *remote CD changer or DVD** while enjoying Bluetooth features only available on newer cars. 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. Squeeze blue release tabs on radio 12-pin plug and disconnect (See **Fig. 1**)



Fig. 1

12-pin plug

2. Connect 12-pin plug (From step 1) 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

12-pin plug

4. **If Vehicle has XM module but subscription has expired:**
Connect male-to-male cable audio cable (See Fig. 4) to "AUX" input jack on module (See Fig. 5)



Fig. 4



Fig. 5
Bluetooth module

5. **If vehicle has XM module (subscribed), remote CD changer or RSE:**
Connect straight angle 3.5mm plug from harness (See Fig. 6) to "XM/AUX*" input jack on module (See Fig. 5)



Fig. 6

6. Connect installation harness right angle 3.5mm plug (See Fig. 6) to jack on module pigtail (See Fig. 7)



Fig. 7

7. Connect module **Red wire** to **12V Accessory supply** in vehicle. **Do not use 12V constant supply (battery).**

Tip: Accessory (ACC) is available on ignition harness (under steering column). Remove steering column cover and tap into orange or brown wire. Accessory power may also be available from fuse panel. Accessory power is active when ignition is in "ACC" or "ON" positions.

8. Connect module **black wire** to ground (radio chassis is a good option), cigar lighter plug etc.

Warning: The GM3x-HF will not operate in RAP (Retained Accessory Power) mode. Ignition must be turned ON in order to hold phone calls, stream applications or listen to XM (if subscribed)
For module to work in RAP mode we recommend purchasing our [TR-4](#) module

9. The GM3x-HF microphone is built-into the control button. To install; connect control button 3.5mm plug to "MIC" jack on module (See Fig. 5)



Fig. 8

Control button/Microphone

10. Consider where to install control/microphone button. Keep in mind control button must be within reach and facing driver for voice commands and phone dialog (cable is 6ft. long). **We recommend completing the rest of the install prior to securing the control/mic button to the dash.** Once you decide on a location simply remove tape backing from control /mic button



Ensure no ventilation duct is pointed towards the mic.
It is best to mount button facing driver

USB charging port install options

Should you decide to use charging port, we suggest one of 3 connecting options:

- A. Flush to dash/panel requires drilling a 3/4" hole in the dash**
- B. Flush with Support bracket** (use this option to mount USB terminal wherever your installation demands without drilling)
- C. Free standing** (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. 9)



Fig. 9

Step drill bit

2. Insert USB male terminal (See Fig. 10) through 3/4" hole created in step 1 and connect to module USB port (See Fig. 11)



Fig. 10

6 ft. USB cable



Fig. 11
Module USB port

3. Push USB head (See **Fig. 12**) in place and snap to surface (See **Fig. 13**)



Fig. 12
USB head



Fig. 13
Flush mounted to dash

4. Tuck and secure any extra wire from moving parts and test operation (See **Enabling the AUX** section below)

B. USB with Bracket Mount (No drilling)

1. Locate a flat surface at location of choice within 6 ft. of radio to mount USB support bracket (See **Fig. 14**) using adhesive backing or screws



Fig. 14
USB mounting bracket

2. Insert USB male terminal through bracket (See **Fig. 15**) and connect to module USB port (See **Fig. 11**)



Fig. 15

3. Push USB head in place and snap to surface (See **Fig. 16**)



Fig. 16

4. Tuck and secure any extra wire away from moving parts and test operation (*See Initial Radio Setup*)

C. Un-Mounted (Free Standing) Terminal

Connect and install your device USB charging cable.

USB Port is for charging devices requiring less than 1.8A—Power hungry devices may not charge.

Optional 3.5MM JACK + USB Charing Cable



This option works best for charging and aux input options and can be mounted to vehicle using included bracket or by drilling hole.

To install simply connect USB and 3.5mm to module USB and AUX input, route and install terminal to dashboard (drilling required) or bracket (no drilling).

Secure module and proceed to section next section.

Bluetooth pairing and connection

This process is to be performed upon initial install at which the GM3x-HF will automatically reconnect with paired device upon entering vehicle.

1. Turn vehicle ignition to "ON".
2. Red LED inside module should flash (otherwise check ground and accessory wires)
3. Access smartphone Bluetooth menu settings, and search (scan) for devices.
4. Select BlitzBlueG2 and click "Connect"

Bluetooth



Now discoverable as "King Solomon's iPhone".

MY DEVICES

BlitzBlueG2

Connected ⓘ

Note: Supports multiple phones but connects to only one phone at a time.

Warning: Caller ID or text display from music apps is **not possible**. Operating Bluetooth device by pressing the control button or Voice recognition application. Use factory radio volume button to control playback level

Bluetooth operation

1. Press "BAND" button on radio to enter XM mode or CD/AUX button to enter external CD changer or DVD mode
2. Use radio volume button to set playback level

Music Commands

Use control button to perform the following music commands:

To	Proceed this way
Pause a Song	Press and release button
Resume Play	Press and release button
Skip to next song	Press button twice
Skip to Previous Song	Press button 3 times
AUX option* (XM/Aux/DVD/changer)	Press button 4 times
Activate Voice Control	Press/hold button for 2 seconds
Switch out of XM Mode	Press and release button

Phone Commands

Use control button to perform the following phone commands:

To	Proceed this way
Answer call	Press and release button
End call	Press and release button
Reject incoming call	Press button twice (call goes to VM)
Cancel outgoing call	Press button twice
Activate Voice Control	Press/hold button for 2 seconds

Notes:

1. If playback is distorted, adjust volume on Bluetooth device.
2. **To reset Module press and Hold button for 5 seconds** (this will not un-pair phone or erase stored phones)
3. On incoming calls, ring tone will play on car speakers
4. Bluetooth range is approximately 30 ft. Ensure device is within range
5. Voice command compatible with Apple (Siri), Android (Google Now), Blackberry (Assistant)

6. * Control button will not control XM/Aux/CD changer/DVD functions. Use radio button assigned to these functions or aux device built-in control for music selection.
7. Upon ending call, music streaming resumes, however to resume XM/AUX playback, press control button 4 times.

If successful go ahead and Reinstall the Radio

Congratulations, you've just updated your vehicle to support new technology while preserving the original radio and dash components.
Enjoy!

Feature comparison chart

Feature	GM3x-HF	A2DIY-GM3x
Retains XM (U2K)	✓	✓
Retains RSE (DVD)	✓	✓
Audio input (AUX)	✓*	Optional
Charging (USB)	✓	Optional
Mutes radio (All modes)	X	X
Visor microphone	X	✓
Requires XM, RSE	✓	✓
Voice Recognition	✓	X**
Plug-n-play installation	X	X
Smart media button	²	✓
Module installs:	To rAM/FM radio	To AM/FM radio

*Aux input instead of XM playback

** activate VR on audio device as customary

² optional [remote](#)

Frequently asked questions and troubleshooting

1. **My vehicle has XM module but subscription has expired. Will the GM3x-HF work?**

YES. If subscription has expired, the module XM/AUX input can be used to connect and play an audio device (Mp3 Players, iPod, DVD, iPad etc.) **Aux.** input option is **not available** to active subscribers or vehicles with remote CD changer or RSE.

2. **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.

3. **Does the GM3x-HF work on all GM radios?**

Works on Navigation and non-Navigation GM Class-II radios with XM module with or without subscription **or remote/external CD changer. (Changer built-into radio is not external/remote) or RSE.**

4. **Can I control Smartphone music from radio buttons?**

NO; you **must continue to use audio device built-in controls or included control button and/or voice commands to operate audio device.**

Volume button on radio can be used to set playback level.

5. **What do I need for the GM3x-HF to work in my vehicle?**

For the GM3x-HF to work, your vehicle must have **at least one** of the following factory options: **XM module** (With or without subscription), external/remote **CD changer** or **RSE** (rear seat entertainment-DVD)

6. **How do I listen to factory option (XM, or remote CD changer or RSE)?**

Press BAND, XM or CD/AUX button on radio to enter XM or CD changer or RSE mode (if not already) then press control **button 4 times. These instructions also apply to enable Aux playback option (instead of XM/CD changer)**

7. **Where is the best place to install control button/mic?**

We found that having the control button/mic mounted higher on the dash worked best, but users can experiment with different location and decide which works best for them.

8. **Will the stereo mute when I receive or make a phone call?**

This system will mute if radio is in "XM", "CD changer" or "RSE" mode

(Bluetooth mode). If in AM/FM mode, radio will not mute and you must also switch to Bluetooth Mode (XM, RSE or External changer)

9. **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.

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

No. The USB port is for charging only.

11. **My radio has a built-in 6-CD changer. Will the GM3x-HF work?**

As the name would imply, external or remote CD changer refers to changer mounted in remote location (e.g. armrest, glove box, trunk, hatch, under seat etc.)

The built-in changer to factory radio (6-CD changer radio) is internal and not the external changer referenced herein. Remote or external CD changers are installed in glove box, armrest, trunk, hatch etc. and required (if not equipped with XM module or RSE) for module to work as described.

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

© 1995-Aug-22 Discount Car Stereo, Inc. All rights reserved. Information in this document is subject to change without notice. Other products and companies referred to herein are trademarks or registered trademarks of their respective companies or mark holders.