



GM HDMI and Camera Interface 2013-Up*

*Visit AxxessInterfaces.com for up-to-date vehicle specific applications.

INTERFACE FEATURES

- Provides front and rear camera inputs to the factory radio
- Provides an HDMI input to the factory radio
- Micro-B USB updatable

INTERFACE COMPONENTS

- AXFRC-GM1 interface
- 20-pin "T" harness
- 16-pin "T" harness
- 6-pin to USB cable
- LVDS (video) to USB cable
- 10-pin harness with RCA jacks
- 3.5mm extension cable

APPLICATIONS

See inside front cover

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TOOLS REQUIRED

- Wire cutter • Crimp tool • Solder gun • Tape
- Connectors (example: butt-connectors, bell caps, etc.)

CAUTION! All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before cycling the ignition. Also, do not remove the factory radio with the key in the on position, or while the vehicle is running.

APPLICATIONS

CADILLAC (1)

| | |
|-------------|---------|
| ATS | 2014-Up |
| CTS | 2014-Up |
| CTS (coupe) | 2014-Up |
| Escalade | 2015-Up |
| SRX | 2013-Up |
| XTS | 2013-Up |

CHEVROLET (2)

| | |
|--------------------------|---------|
| Colorado | 2014-Up |
| Impala | 2014-Up |
| Malibu | 2016-Up |
| Silverado 1500/2500/3500 | 2014-Up |
| Suburban | 2015-Up |
| Tahoe | 2015-Up |
| Volt | 2017-Up |

GMC (3)

| | |
|------------------------------|---------|
| Acadia/Denali | 2017-Up |
| Canyon/Denali | 2015-Up |
| Sierra 1500/2500/3500/Denali | 2014-Up |
| Terrain | 2017-Up |
| Yukon/Yukon XL/Denali | 2015-Up |

HOLDEN (2)

| | |
|-------------|---------|
| Astra | 2017-Up |
| Barina | 2017-Up |
| Captiva | 2017-Up |
| Colorado | 2017-Up |
| Commodore | 2017-Up |
| Spark | 2017-Up |
| Trailblazer | 2017-Up |
| Trax | 2017-Up |
| Ute | 2017-Up |
| Volt | 2017-Up |

OPEL VAUXHALL (2)

| | |
|----------------------|-----------|
| Insignia | 2013-2017 |
| Insignia Grand Sport | 2017-Up |

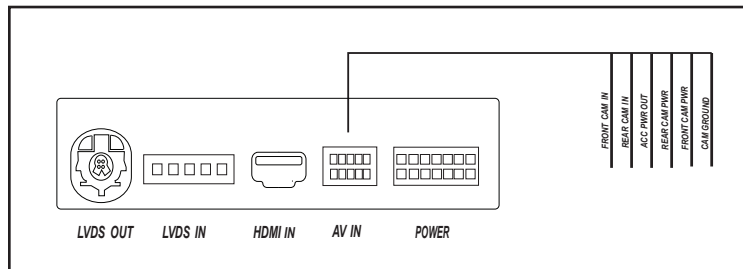
(1) For models with an 8-inch CUE Infotainment system

(2) For models with an 8-inch MyLink radio

(3) For models with an 8-inch IntelliLink Radio

CONNECTIONS TO BE MADE

- If installing a front/rear camera, connect the **Black** wire labeled “GND”, to the camera(s) ground wire.
- If installing a backup camera, connect the **Red** wire labeled “Reverse Camera 12v”, to the backup camera power wire.
- If installing a front camera, connect the **Red** wire labeled “Front Camera 12v”, to the front camera power wire.
- The **Red** wire labeled “Acc Power Output” is optional if a power source is required while a camera is active.
- If installing a backup camera, connect the RCA jack labeled “Reverse Camera Video Input” to the camera.
- If installing a front camera, connect the RCA jack labeled “Front Camera Video Input” to the camera.
- If adding an HDMI input to the factory radio, connect an HDMI cable (Axxess part number AXHDMI-1M, sold separately), to the port on the AXFRC-GM1 labeled “HDMI IN”.

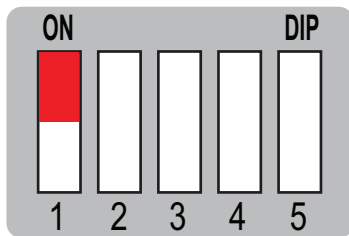


(Connections Diagram)

CONFIGURING THE AXFRC-GM1

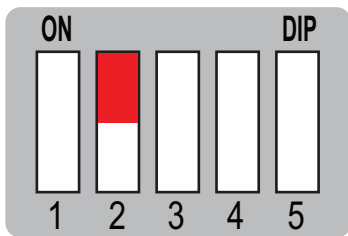
Dip switch settings

Remove the access door located on the top of the AXFRC-GM1 interface to access the dip switches.



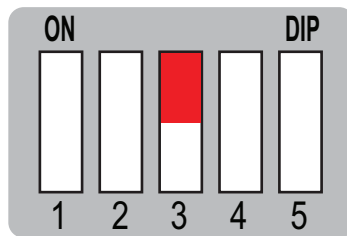
Dip 1

If the vehicle is equipped with a factory backup camera: **On:** Yes **Off:** No



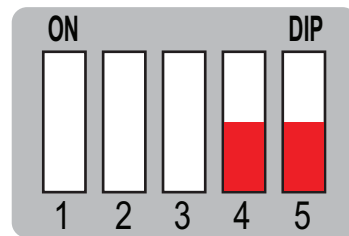
Dip 2

If the vehicle has an aftermarket front camera: **On:** Yes **Off:** No



Dip 3

If the vehicle has an aftermarket backup camera: **On:** Yes **Off:** No



Dips 4 & 5

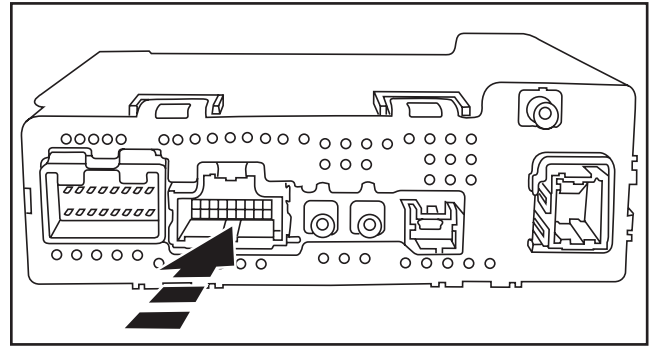
For all applications:

Dip 4: Off **Dip 5:** Off

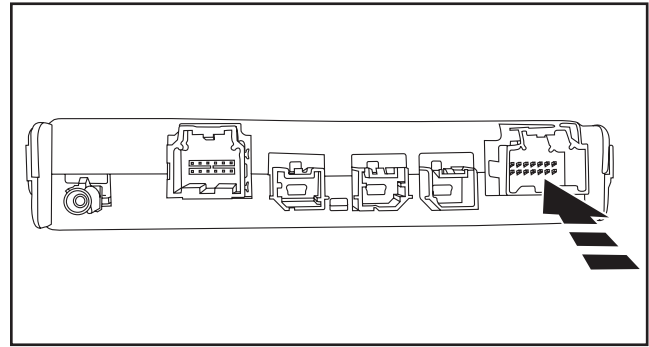
INSTALLING THE AXFRC-GM1

- Remove the 20-pin connector from the radio module*, then connect the male plug from the 20-pin "T" harness into the radio module. (Figure A)
** Refer to the Human Machine Interface (HMI) and radio module location list.*
- Connect the factory male factory connector into the female plug from the 20-pin "T" harness.
- Connect the 20-pin "T" harness into the AXFRC-GM1 interface.
- Connect the 2-pin connector from the 20-pin "T" harness to the 2-pin connector from the 16-pin "T" harness.
- Remove the 16-pin connector from the Human Machine Interface (HMI) module*, then connect the male plug from the 16-pin "T" harness into the HMI module. (Figure B)
** Refer to the Human Machine Interface (HMI) and radio module location list.*
- Connect the factory male factory connector into the female plug from the 16-pin "T" harness.
- Connect the 16-pin "T" harness into the AXFRC-GM1 interface.
- If adding an HDMI input to the factory radio, connect the 3.5mm extension cable to the 16-pin "T" harness, and then to the vehicles 3.5mm AUX-IN jack.
- Remove the USB connector from the **Blue** receptacle in the HMI module, then connect it to the LVDS (video) to USB cable.
- Connect the LVDS (video) to USB cable into the AXFRC-GM1 interface.
- Connect the 6-pin to USB cable into the HMI module, and then into the AX-GM91 interface.
- Connect the 10-pin harness with RCA jacks into the AXFRC-GM1 interface.

Continued on the next page



(Figure A)



(Figure B)

INSTALLING THE AXFRC-GM1 (CONT)

Human Machine Interface (HMI) and radio module location

CADILLAC

| | | | |
|-------------|---------|---------------------------------------|---------------------------------|
| ATS | 2014-Up | HMI: Behind glovebox | Radio: Behind radio |
| CTS | 2014-Up | HMI: Under passenger side dash | Radio: Right of glovebox |
| CTS (coupe) | 2014-Up | HMI: Under passenger side dash | Radio: Right of glovebox |
| Escalade | 2015-Up | HMI: Behind glovebox | Radio: Behind radio |
| SRX | 2013-Up | HMI: Behind glovebox | Radio: Behind radio |
| XTS | 2013-Up | HMI: Right of glovebox | Radio: Right of glovebox |

CHEVROLET

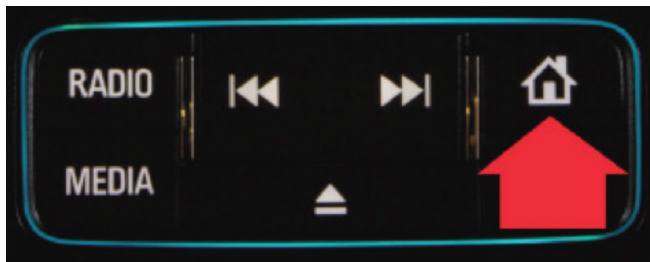
| | | | |
|--------------------------|---------|-------------------------------|-----------------------------------|
| Colorado | 2014-Up | HMI: Behind radio | Radio: Behind radio |
| Impala | 2014-Up | HMI: Right of glovebox | Radio: Right of glovebox |
| Malibu | 2016-Up | HMI: Right of glovebox | Radio: Right of glovebox |
| Silverado 1500/2500/3500 | 2014-Up | HMI: Behind glovebox | Radio: Behind radio |
| Suburban | 2015-Up | HMI: Behind glovebox | Radio: Behind radio |
| Tahoe | 2015-Up | HMI: Behind glovebox | Radio: Behind radio |
| Volt | 2017-Up | HMI: Behind radio | Radio: Right rear of trunk |

GMC

| | | | |
|------------------------------|---------|-----------------------------|-------------------------------|
| Acadia/Denali | 2017-Up | HMI: Behind glovebox | Radio: Behind glovebox |
| Canyon/Denali | 2015-Up | HMI: Behind radio | Radio: Behind radio |
| Sierra 1500/2500/3500/Denali | 2014-Up | HMI: Behind glovebox | Radio: Behind radio |
| Terrain | 2017-Up | HMI: Behind glovebox | Radio: Behind radio |
| Yukon/Yukon XL/Denali | 2015-Up | HMI: Behind glovebox | Radio: Behind radio |

Button Configuration

- The factory “HOME KEY” button will be used to operate the AXFRC-GM1.



HDMI access

- Select AUX-IN as a source from the factory radio.
- Press hold the “HOME KEY” button for 2 seconds to switch between the factory screen and the AXFRC-GM1 screen.
- Press the top right corner of the screen to disable the video-in-motion warning message.

Front camera access

- Ensure dip switch 2 is selected to “ON”.
- Press the top right corner of the screen to activate the front camera.

Rear camera access

- The backup camera will automatically activate while the vehicle is in reverse gear.
- Deselecting the reverse gear will activate the front camera, if installed and dip switch 2 is selected to “ON”.

Note: This camera takes priority over HDMI mode, and front camera mode. But will not deactivate the front camera. Press the top right corner of the screen, or drive over 10 mph, to cancel front camera mode.

View Version Number

- Press and hold the “HOME KEY” button for 8 seconds to enter the firmware information screen.





AXFRC-GM1

INSTALLATION INSTRUCTIONS



Having difficulties? We're here to help.



Contact our Tech Support line at:

386-257-1187



Or via email at:

techsupport@metra-autosound.com

Tech Support Hours (Eastern Standard Time)

Monday - Friday: 9:00 AM - 7:00 PM

Saturday: 10:00 AM - 7:00 PM

Sunday: 10:00 AM - 4:00 PM



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**Metra recommends MECP
certified technicians**