



### INTERFACE COMPONENTS

- AX-AM-GM91 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

## GM HDMI and Camera Interface 2013-up\*

\*Visit [AxxessInterfaces.com](http://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

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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

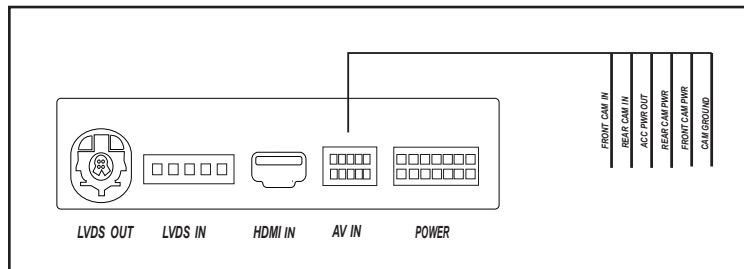
(1) For models with an 8-inch CUE Infotainment system

(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 AX-HDCABLE, sold separately), to the port on the AX-AM-GM91 labeled “HDMI IN”.

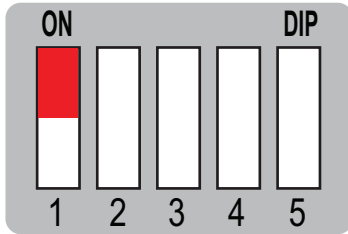


(Connections Diagram)

# CONFIGURING THE AX-AM-GM91

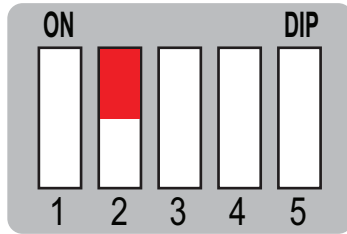
## Dip switch settings

Remove the access door located on the top of the AX-AM-GM91 interface to access the dip switches.



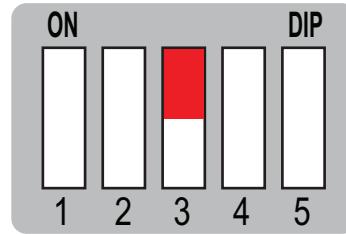
### Dip 1

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



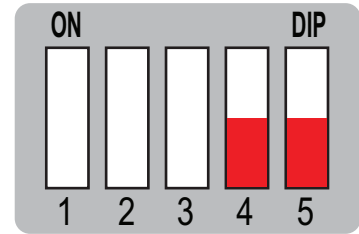
### Dip 2

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

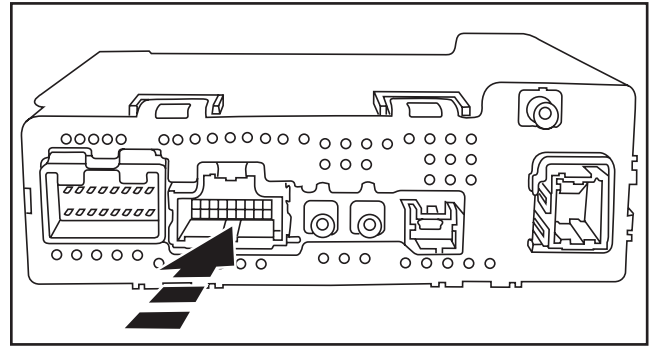
For all applications:

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

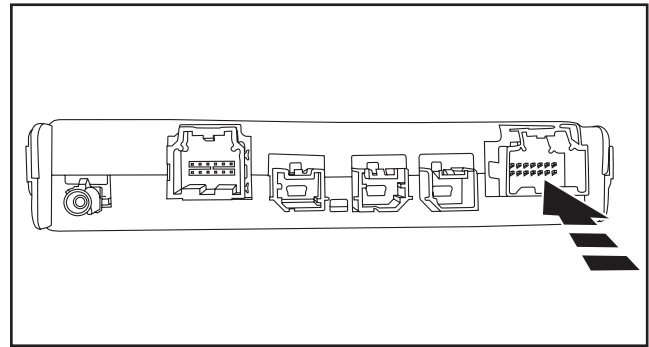
## INSTALLING THE AX-AM-GM91

- 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 AX-AM-GM91 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 AX-AM-GM91 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 AX-AM-GM91 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 AX-AM-GM91 interface.

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(Figure A)



(Figure B)

## INSTALLING THE AX-AM-GM91 (CONT)

### Human Machine Interface (HMI) and radio module location

#### CADILLAC

ATS	2014-up	<b>HMI:</b> Behind glovebox	<b>Radio:</b> Behind radio
CTS	2014-up	<b>HMI:</b> Under passenger side dash	<b>Radio:</b> Right of glovebox
CTS (coupe)	2014-up	<b>HMI:</b> Under passenger side dash	<b>Radio:</b> Right of glovebox
Escalade	2015-up	<b>HMI:</b> Behind glovebox	<b>Radio:</b> Behind radio
SRX	2013-up	<b>HMI:</b> Behind glovebox	<b>Radio:</b> Behind radio
XTS	2013-up	<b>HMI:</b> Right of glovebox	<b>Radio:</b> Right of glovebox

#### CHEVROLET

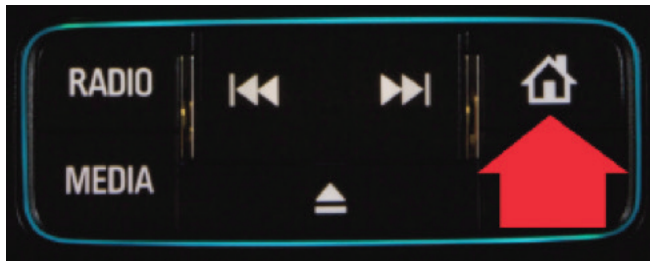
Colorado	2014-up	<b>HMI:</b> Behind radio	<b>Radio:</b> Behind radio
Impala	2014-up	<b>HMI:</b> Right of glovebox	<b>Radio:</b> Right of glovebox
Malibu	2016-up	<b>HMI:</b> Right of glovebox	<b>Radio:</b> Right of glovebox
Silverado 1500/2500/3500	2014-up	<b>HMI:</b> Behind glovebox	<b>Radio:</b> Behind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

#### GMC

Acadia/Denali	2017-up	<b>HMI:</b> Behind glovebox	<b>Radio:</b> Behind glovebox
Canyon/Denali	2015-up	<b>HMI:</b> Behind radio	<b>Radio:</b> Behind radio
Sierra 1500/2500/3500/Denali	2014-up	<b>HMI:</b> Behind glovebox	<b>Radio:</b> Behind radio
Terrain	2017-up	<b>HMI:</b> Behind glovebox	<b>Radio:</b> Behind radio
Yukon/Yukon XL/Denali	2015-up	<b>HMI:</b> Behind glovebox	<b>Radio:</b> Behind radio

## Button Configuration

- The factory “HOME KEY” button will be used to operate the AX-AM-GM91.



## 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 AX-AM-GM91 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.



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# AX-AM-GM91

INSTALLATION INSTRUCTIONS



## IMPORTANT

*If you are having difficulties with the installation of this product, please call our Tech Support line at 1-800-253-TECH. Before doing so, look over the instructions a second time, and make sure the installation was performed exactly as the instructions are stated. Please have the vehicle apart and ready to perform troubleshooting steps before calling.*



## KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto [www.installerinstitute.com](http://www.installerinstitute.com) or call 800-354-6782 for more information and take steps toward a better tomorrow.



**Metra recommends MECP certified technicians**