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
- 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

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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.
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”.

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**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

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(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
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.

Continued on the next page
Human Machine Interface (HMI) and radio module location

### CADILLAC

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>HMI Location</th>
<th>Radio Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS</td>
<td>2014-up</td>
<td>Behind glovebox</td>
<td>Behind radio</td>
</tr>
<tr>
<td>CTS</td>
<td>2014-up</td>
<td>Under passenger side dash</td>
<td>Right of glovebox</td>
</tr>
<tr>
<td>CTS (coupe)</td>
<td>2014-up</td>
<td>Under passenger side dash</td>
<td>Right of glovebox</td>
</tr>
<tr>
<td>Escalade</td>
<td>2015-up</td>
<td>Behind glovebox</td>
<td>Right of glovebox</td>
</tr>
<tr>
<td>SRX</td>
<td>2013-up</td>
<td>Behind glovebox</td>
<td>Right of glovebox</td>
</tr>
<tr>
<td>XTS</td>
<td>2013-up</td>
<td>Right of glovebox</td>
<td>Right of glovebox</td>
</tr>
</tbody>
</table>

### CHEVROLET

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>HMI Location</th>
<th>Radio Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorado</td>
<td>2014-up</td>
<td>Behind radio</td>
<td>Behind radio</td>
</tr>
<tr>
<td>Impala</td>
<td>2014-up</td>
<td>Right of glovebox</td>
<td>Right of glovebox</td>
</tr>
<tr>
<td>Malibu</td>
<td>2016-up</td>
<td>Right of glovebox</td>
<td>Right of glovebox</td>
</tr>
<tr>
<td>Silverado 1500/2500/3500</td>
<td>2014-up</td>
<td>Behind glovebox</td>
<td>Right of glovebox</td>
</tr>
<tr>
<td>Suburban</td>
<td>2015-up</td>
<td>Behind glovebox</td>
<td>Right of glovebox</td>
</tr>
<tr>
<td>Tahoe</td>
<td>2015-up</td>
<td>Behind glovebox</td>
<td>Right of glovebox</td>
</tr>
<tr>
<td>Volt</td>
<td>2017-up</td>
<td>Behind radio</td>
<td>Right rear of trunk</td>
</tr>
</tbody>
</table>

### GMC

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>HMI Location</th>
<th>Radio Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acadia/Denali</td>
<td>2017-up</td>
<td>Behind glovebox</td>
<td>Behind glovebox</td>
</tr>
<tr>
<td>Canyon/Denali</td>
<td>2015-up</td>
<td>Behind radio</td>
<td>Behind radio</td>
</tr>
<tr>
<td>Sierra 1500/2500/3500/Denali</td>
<td>2014-up</td>
<td>Behind glovebox</td>
<td>Behind radio</td>
</tr>
<tr>
<td>Terrain</td>
<td>2017-up</td>
<td>Behind glovebox</td>
<td>Behind radio</td>
</tr>
<tr>
<td>Yukon/Yukon XL/Denali</td>
<td>2015-up</td>
<td>Behind glovebox</td>
<td>Behind radio</td>
</tr>
</tbody>
</table>
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.
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 or call 800-354-6782 for more information and take steps toward a better tomorrow.

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.

Metra recommends MECP certified technicians