GM Class-2 data interface 2000-2013

INTERFACE COMPONENTS

• AXGM-014 interface • AXGM-014 harness
• 16-pin harness with stripped leads
• 4-pin to 4-pin resistor pad harness

TOOLS REQUIRED

• Crimping tool and connectors, or solder gun, solder, and heat shrink • Small flat-blade screwdriver • Tape • Wire cutter • Zip ties

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.

INTERFACE FEATURES

• Provides accessory power (12-volt 10-amp)
• Maintains the retained accessory power (R.A.P.) feature
• Can be used in non-amplified, or analog/digital amplified models
• Retains warning chimes
• Provides NAV outputs (parking brake, reverse, speed sense)

† Excluding digital amplified models

• Pre-wired AXSWC harness (AXSWC sold separately)
• Retains OnStar/OE Bluetooth
• Adjustable volume for chimes and OnStar
• Retains balance and fade†
• Micro "B" USB updatable

APPLICATIONS

See inside front cover

BUICK

Century	2004-2005
Lacrosse	2005-2009
Rainier	2005-2007
Rainier*	2004
Regal	2004
Rendezvous	2002-2007
Terraza	2005-2007

CADILLAC

Escalade **	2003-2006
Escalade ESV **	2003-2006
Escalade EXT **	2003-2006

CHEVROLET

Avalanche*	2003-2006
Cavalier	2000-2005
Colorado	2004-2012
Corvette	2005-2013
Express	2003-2007
Impala	2000-2005
Kodiak	2003-2009
Malibu	2001-2003
Malibu Classic	2004-2005
Monte Carlo	2000-2005
Silverado Classic*	2007

CHEVROLET (CONT)

Silverado*	2003-2006
SSR*	2003-2006
Suburban*	2003-2006
Tahoe*	2003-2006
Trailblazer	2005-2009
Trailblazer*	2002-2004
Uplander	2005-2008

GMC

Canyon	2004-2012
Envoy	2005-2009
Envoy*	2002-2004
Savanna	2003-2007
Sierra Classic*	2007
Sierra*	2003-2006
TopKick	2005-2009
Yukon*	2003-2006

HUMMER

H2**	2003-2007
H3/H3T	2006-2010

ISUZU

Ascender	2003-2008
H Series	2003-2008
I Series pickups	2006-2008

OLDSMOBILE

Alero	2001-2004
Bravada*	2002-2004
Intrigue	2002

PONTIAC

Aztec	2001-2005
Grand Am	2001-2005
Grand Prix	2004-2008
Montana SV6	2005-2008
Sunfire	2000-2005

SAAB

9-7X	2005-2009

SATURN

Relay	2005-2007

* These vehicles have a digital amplifier option. Please refer to the Service Parts Identification sticker located in the glove box (for all models except for the Buick Regal which is on the spare tire cover). If the codes UQA or Y91 are present, then you have a digital amplifier.

** These vehicle come standard with a digital amplifier.

From the 16-pin harness with stripped leads to the aftermarket radio:

- Connect the **Red** wire to the accessory wire.

  Note: *If installing the AXSWC, there will be an accessory wire on the 12-pin harness to connect as well.*

- Connect the **Orange/White** wire to the illumination wire. (If the aftermarket radio has no illumination wire, tape off the Orange/White wire).

- Connect the **Blue/White** wire to the amp turn on wire (this wire must be connected to hear sound from the factory amplifier).

- Connect the **Brown** wire to the mute wire of the aftermarket radio. If the radio has no mute wire, tape it off and disregard it.

- Connect the **White** wire to the left front positive speaker output.

- Connect the **White/Black** wire to the left front negative speaker output.

- Connect the **Gray** wire to the right front positive speaker output.

- Connect the **Gray/Black** wire to the right front negative speaker output.

Connect the following (4) wires ONLY if your vehicle comes equipped with a digital amplifier:

- Connect the **Green** wire to the left rear positive speaker output.

- Connect the **Green/Black** wire to the left rear negative speaker output.

- Connect the **Purple** wire to the right rear positive speaker output.

- Connect the **Purple/Black** wire to the right rear negative output.

The following (3) wires are for an aftermarket multimedia/navigation radio that provide these wires (if not required, tape them off and disregard them):

- Connect the **Light Green** wire to the parking brake wire (if applicable).

- Connect the **Blue/Pink** wire to the speed sense wire (V.S.S.) (if applicable).

  Note: *Some models do not have this circuit on the data-bus. Refer to the 12-pin GM harness to the aftermarket radio instructions. If you do not have a wire populated on the factory side, connect this wire instead.*

- Connect the **Green/Purple** wire to the reverse wire (if applicable).

From the AXGM-014 harness:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- Connect the (2) **Red** wires to accessory power.

The following wiring is ONLY required if your vehicle DOES NOT come equipped with a digital amplifier:

(1) For analog amplified models ONLY:

- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative output.
- Disconnect the 4-pin harness located between the 24-pin and 22-pin harness, and then connect the supplied 4-pin to 4-pin resistor pad harness.

(2) For non-amplified models ONLY:

- Cut the resistors off from the **Green**, **Green/Black**, **Purple**, and **Purple/Black** wires below the heat shrink.
- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative output.

    Note: *The 4-pin to 4-pin resistor pad harness will not be used in this application.*

- The **Black/Yellow** wire is used for OnStar level adjustment for models that do not come equipped with steering wheel controls. See OnStar Level Adjustment for further instructions.
- If the **Blue/Pink** wire is populated on the factory side, connect this wire to the speed sense wire (V.S.S.) (if applicable).
- Connect the RCA jacks to the audio AUX-IN (if so equipped).

    Note: This will only be required if you care to retain the factory rear seat entertainment, or satellite radio.
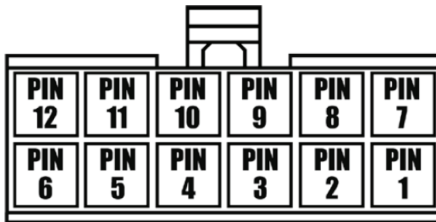
- Disregard the DIN jack.

12-pin pre-wired AXSWC harness:

This harness is to be used along with the optional AXSWC (sold separately) to retain steering wheel audio controls. If the AXSWC is not being used, disregard this harness. If the AXSWC will be used, please refer to the AXSWC instructions for radio connections and programming. Disregard the harness that comes with the AXSWC.

• The following wire(s) must be cut before programming the AXSWC:

PIN 12	PIN 11	PIN 10	PIN 9	PIN 8	PIN 7
PIN 6	PIN 5	PIN 4	PIN 3	PIN 2	PIN 1

(This is the wire view of the connector.)

BUICK

Century	Pin-1, Pin-2	2004-2005
LaCrosse	Pin-1, Pin-2	2005-2009
Rainer	Pin-2, Pin-3, Pin-4	2004-2007
Regal	Pin-1, Pin-2	2004
Rendezvous	Pin-1	2002-2007
Terraza	Pin-1	2005-2007

CADILLAC

Escalade	Pin-2, Pin-3, Pin-4	2003-2006
Escalade ESV	Pin-2, Pin-3, Pin-4	2003-2006
Escalade EXT	Pin-2, Pin-3, Pin-4	2003-2006

CHEVROLET

Avalanche	Pin-2, Pin-3, Pin-4	2003-2006
Cavalier	Pin-2, Pin-3, Pin-4	2000-2005
Colorado	Pin-2, Pin-3, Pin-4	2004-2012
Corvette	Pin-1, Pin-4	2007-2011
Corvette	Pin-1	2012-2013
Impala	Pin-1, Pin-2, Pin-4	2000-2005
Malibu	Pin-1, Pin-2, Pin-4	2001-2003
Malibu Classic	Pin-1, Pin-2, Pin-4	2004-2005
Monte Carlo	Pin-1, Pin-2, Pin-4	2000-2005
Silverado	Pin-2, Pin-3, Pin-4	2003-2006
Silverado Classic	Pin-2, Pin-3, Pin-4	2007
SSR	Pin-2, Pin-3, Pin-4	2003-2006
Suburban	Pin-2, Pin-3, Pin-4	2003-2006
Tahoe	Pin-2, Pin-3, Pin-4	2003-2006
Trailblazer	Pin-2, Pin-3, Pin-4	2002-2009
Uplander	Pin-1, Pin-2, Pin-4	2005-2008

GMC

Canyon	Pin-2, Pin-3, Pin-4	2004-2012
Envoy	Pin-2, Pin-3, Pin-4	2002-2009

GMC (CONT)

Sierra	Pin-2, Pin-3, Pin-4	2003-2006
Sierra Classic	Pin-2, Pin-3, Pin-4	2007
Yukon / Yukon XL	Pin-2, Pin-3, Pin-4	2003-2006

HUMMER

H2	Pin-2, Pin-3, Pin-4	2003-2007

ISUZU

Ascender	Pin-2, Pin-3, Pin-4	2003-2008

OLDSMOBILE

Alero	Pin-1, Pin-2, Pin-4	2001-2004
Bravada	Pin-2, Pin-3, Pin-4	2002-2004
Intrigue	Pin-1, Pin-2, Pin-4	2002

PONTIAC

Aztec	Pin-1, Pin-2, Pin-4	2001-2005
Grand Am	Pin-1, Pin-2, Pin-4	2001-2005
Grand Prix	Pin-1, Pin-2, Pin-4	2004-2008
Montana SV6	Pin-1, Pin-2, Pin-4	2005-2006
Sunfire	Pin-2, Pin-3, Pin-4	2000-2005

SAAB

9-7x	Pin-2, Pin-3, Pin-4	2005-2009

SATURN

Relay	Pin-1, Pin-2, Pin-4	2005-2007

INSTALLING THE AXGM-014

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AXGM-014 harness, into the interface.
- If an AXSWC (sold separately) will be used, do not connect it until the AXGM-014 is programmed and fully functional.

Attention! Do not connect the AXGM-014 harness to the wiring harness in the vehicle just yet.

PROGRAMMING THE AXGM-014

For the steps below, the L.E.D. located inside the interface can only be seen while active. The interface does not need to be opened to see the L.E.D.

1. Start the vehicle.
2. Connect the AXGM-014 harness to the wiring harness in the vehicle. The L.E.D. will initially be **Green** to indicate the interface is powered.
3. After a few seconds the L.E.D. will turn on solid **Red** while the interface automatically programs to the vehicle. The radio will shut off at this point. This process should take 5 to 30 seconds.
4. After the interface is programmed, the L.E.D. will turn on solid **Green**, and the radio will come back on, indicating programming was successful.
5. Test all functions of the installation for proper operation, before reassembling the dash.
6. If the interface fails to function, refer to "Resetting the interface".

ADJUSTING THE AXGM-014

Chime level adjustment:

- With the vehicle on, turn it off and leave the keys in ignition. Open the driver's door; chimes will be heard.
- Wait 10 seconds, and then with a small flat-blade screwdriver, turn the potentiometer clockwise to raise the chime level; counterclockwise to lower the chime level.
- When the chime level is at a desired level, remove the keys from the ignition. This will lock the chime volume at its current level.

Audio level adjustment (digital amplified models only):

- With the vehicle and radio turned on, turn the volume up 3/4 of the way.
- With a small flat-blade screwdriver, adjust the potentiometer clockwise to raise the audio level; counterclockwise to lower the audio level.
- Once at a desired level, your audio level adjustment is complete.

OnStar level adjustment:

- Press the OnStar button to activate it.
- While OnStar is speaking, press the VOLUME UP or VOLUME DOWN buttons on the steering wheel to raise or lower the OnStar level.
- If the vehicle does not come equipped with steering wheel controls, find the **Black/Yellow** wire on the 22-pin harness.
- While OnStar is speaking, tap the **Black/Yellow** wire to ground. Once the OnStar level is set, it will stay at that level until the **Black/Yellow** wire is tapped to ground again.

AXXESS

Resetting the Axxess interface

1. The **Blue** reset button is located inside the Axxess interface, between the two connectors.
The button is accessible outside the Axxess interface, no need to open the Axxess interface.

2. Press and hold the reset button for two seconds, then let go to reset the Axxess interface.

3. Refer to "Programming the Axxess Interface" from this point.

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 or call 800-354-6782 for more information and take steps toward a better tomorrow.

Metra recommends MECP certified technicians

mobile electronics certification program