Manuals+ — User Manuals Simplified.

AXXESS GMOS-13 GM Data Interface Instruction Manual

Contents

AXXESS GMOS-13 GM Data Interface

INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (retained accessory power)
- Provides NAV outputs (parking brake, reverse, speed sense)
- Retains chimes
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)
- Retains OnStar / OE Bluetooth
- Adjustable OnStar level
- Designed for amplified models
- Retains balance and fade
- USB-CAB (sold separately) updatable

INTERFACE COMPONENTS

- GMOS-13 interface
- GMOS-13 harness
- 16-pin harness with stripped leads

APPLICATIONS

CADILLAC

STS 2005-2011

TOOLS REQUIRED

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

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.v

Connections to be made

Attention! This vehicle comes equipped with a digital amplifier. Ensure that the factory radio was removed with all settings in their default positions.

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

- Connect the Red wire to the accessory wire.
- Note: If installing an ASWC-1 (sold separately), there will be an accessory wire there to connect as well.
- Connect the Blue/White wire to the amp turn on wire. This wire must be connected to hear sound from the factory amplifier.
- If the aftermarket radio has an illumination wire, connect the Orange/White wire to it.
- If the aftermarket radio has a mute wire, connect the Brown wire to it. If the mute wire is not connected, the radio will turn off when OnStar is activated.
- 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 White wire to the left front positive speaker output.
- Connect the White/Black wire to the left front negative speaker output.
- 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 only for multimedia/navigation radios that require these wires.

- Connect the Blue/Pink wire to the VSS/speed sense wire.
- Connect the Green/Purple wire to the reverse wire.
- Connect the Light Green wire to the parking brake wire.
- From the GMOS-13 harness to the aftermarket radio:
- Connect the Black wire to the ground wire.
- Connect the Yellow wire to the battery wire.
- Connect the Blue wire to the power antenna wire.

- The Black/Yellow wire is used for OnStar level adjustment for models that do not come equipped with steering wheel controls. Refer to the OnStar level Adjustment section for further instructions.

12-pin pre-wired ASWC-1 harness:

- This harness is to be used along with the optional ASWC-1 (not included) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming.
  Note: Disregard the harness that comes with the ASWC-1.
- Connect the Red wire to the accessory wire.

Installing the GMOS-13

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the GMOS-13 harness, into the interface.
- Connect the GMOS-13 harness to the wiring harness in the vehicle.
  Note: If using the ASWC-1, connect it after you initialize and test the GMOS-13, with the key in the off position.

Initializing the GMOS-13

Attention! If the interface loses power for any reason, the following steps will need to be performed again. Also, if installing an ASWC-1, connect it after you initialize and test the interface/radio, with the key in the off position.

- Turn the key (or push-to-start button) to the ignition position and wait until the radio comes on.
  Note: If the radio does not come on within 60 seconds, turn the key to the off position, disconnect the interface, check all connections, reconnect the interface, and then try again.
- Turn the key to the off position, pause for a moment, and then to the accessory position. Test all functions of the installation for proper operation, before reassembling the dash.

Audio level adjustment:

- 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, audio level adjustment is complete.

Chime level adjustment:

- Refer to the vehicle owner's manual to adjust the chimes.

OnStar Level Adjustment:

- Press the OnStar button to activate it.
- While OnStar is speaking, press the VOLUME UP or VOLUME DOWN button on the steering wheel to raise or

lower the OnStar level.

- If the vehicle does not come equipped with steering wheel controls, or they no longer function, locate the Black/Yellow wire on the GMOS-13 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.

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.

axxessinterfaces.com
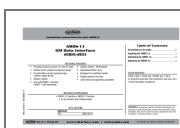metraonline.com

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

Documents / Resources

	AXXESS GMOS-13 GM Data Interface [pdf] Instruction Manual GMOS-13, GM Data Interface, GMOS-13 GM Data Interface

References

- [Axxess Integrate - Comprehensive Interface Products for Vehicle Upgrades](#)
- [Metra Online | Welcome to Metra Auto Parts Online Warehouse](#)
- [Installer Institute | Car Audio Installation and Mobile Electronics Education](#)

Manuals+,

- [Axxess Integrate - Comprehensive Interface Products for Vehicle Upgrades](#)
- [Metra Online | Welcome to Metra Auto Parts Online Warehouse](#)
- [Installer Institute | Car Audio Installation and Mobile Electronics Education](#)

Manuals+,