GMOS-LAN-01
GM Data Interface
2006-up

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INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (retained accessory power)
- Provides NAV outputs (parking brake, reverse, speed sense)
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)
- Retains chimes to the factory speaker
- Adjustable chime level
- Retains OnStar / OE Bluetooth
- Adjustable OnStar level
- Retains the factory backup camera
- Designed for non-amplified models, or when bypassing a factory amp
- Retains balance and fade
- Includes an antenna adapter
- USB-CAB updatable (sold separately)

TOOLS REQUIRED

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

INTERFACE COMPONENTS

• GMOS-LAN-01 interface • GMOS-LAN-01 harness
• 16-pin harness with stripped leads • Backup camera harness • Antenna adapter

APPLICATIONS

See inside front cover

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.*

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Applications

BUICK

Enclave	2008-up
Lucerne	2006-2011

CADILLAC

DTS †	2006-2011
Escalade, Escalade ESV & EXT †	2007-2011
SRX †	2007-2009

CHEVROLET

Avalanche ∆	2007-2013
Captiva Sport	2012-2015
Equinox	2007-2009
Express ‡	2008-up
Impala	2006-2013
Impala *Limited*	2014-2016
Monte Carlo	2006-2007
Silverado (new body) ∆	2007-2013
Silverado 2500/3500 ∆	2014
Suburban ∆	2007-2014
Tahoe ∆	2007-2014
Traverse	2009-up

GMC

Acadia	2007-2016
Acadia *Limited*	2017
Savana ‡	2008-up
Sierra 2500/3500 ∆	2014
Sierra (new body) ∆	2007-2013
Yukon / Yukon XL ∆	2007-2014

HUMMER

H2 †	2008-2009

PONTIAC

Torrent	2007-2009

SATURN

Outlook	2007-2010
Vue	2008-2010

SUZUKI

XL-7	2007-2009

† These vehicles are standard for a factory amplifier. Either use the GMOS-LAN-02 interface, or bypass the amplifier.

‡ Only for models without NAV in 2011-2015. For models with NAV, use the GMOS-LAN-08.

∆ Only for models without NAV in 2012-up. For models with NAV, use the GMOS-LAN-08.

Connections to be made

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.*

- 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.

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.

Connections to be made

From the GMOS-LAN-01 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- 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 speaker output.
- The **Black/Yellow** wire is used for OnStar level adjustment for models that do not come equipped with steering wheel controls. See 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.

Note: *The relay attached to the GMOS-LAN-01 harness is only for audible turn signal clicks. No extra steps are required to retain this feature, so leave the relay as-is.*

Backup camera harness (if applicable):

- If retaining the factory backup camera, connect the **Yellow** RCA jack to the backup camera input of the aftermarket radio.

Installing the GMOS-LAN-01

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the GMOS-LAN-01 harness, into the interface.
- Connect the GMOS-LAN-01 harness to the wiring harness in the vehicle.
- If using the ASWC-1, connect it after you initialize and test the GMOS-LAN-01, with the key in the off position.
- If applicable, connect the backup camera harness to the wiring harness in the vehicle. This harness is located behind the radio.

Initializing the GMOS-LAN-01

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.

Adjusting the GMOS-LAN-01

Chime level adjustment:

- Turn the vehicle off but leave the keys in the ignition. Open the driver's door and leave it open; chimes will be heard.

- Wait 10 seconds, and then with a small flat-blade screwdriver, adjust the potentiometer clockwise to raise the chime level; counterclockwise to lower the chime level.

  Note: *The potentiometer is located on the side of the interface where the 16-pin harness with stripped leads is connected to.*

- When the chime is at the desired level, remove the keys from the ignition. This will lock the chime level in at its current level.

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, locate the **Black/Yellow** wire on the GMOS-LAN-01 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.

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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

GM 2006-UP
SEE BACK FOR SPECIFIC APPLICATIONS

GMOS-LAN-01

ONSTAR INTERFACE

USB UPDATABLE

RETAIN ONSTAR

NON-AMPLIFIED GMLAN DATA BUS

RETAINS ONSTAR SYSTEM, SAFETY & WARNING CHIMES

ADJUST ONSTAR/CHIME VOLUME

OUTPUTS FOR NAV RADIO

VSS, PARKING BRAKE & REVERSE OUTPUTS

PREWIRED FOR ASWC

RETAINS R.A.P.

ONSTAR INTERFACE

USB UPDATABLE

AXXESS
INTEGRATE

GMOS-LAN-01
REPLACE FACTORY RADIO

ONSTAR INTERFACE

USB UPDATABLE

AXXESS
INTEGRATE

GM 2006-UP
SEE BACK FOR SPECIFIC APPLICATIONS

GMOS-LAN-01
REPLACE FACTORY RADIO

The GMOS-LAN interfaces retain OnStar and provide the warning chimes that are lost when the OEM radio is replaced. Provides a 10 Amp 12 Volt accessory output along with outputs to install an aftermarket navigation radio.

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GM 2006-UP
FOR NON-AMPLIFIED GM LAN VEHICLES

GMOS-LAN-01

APPLICATIONS:
BUICK Enclave 2008-UP
BUICK Lucerne 2006-10
CADILLAC DTS 2006-10
CADILLAC Escalade 2007-UP
CADILLAC SRX 2007-09
CHEVY Avalanche 2007-UP
CHEVY Equinox 2007-09
CHEVY Express 2008-UP
CHEVY Impala 2006-10
CHEVY Monte Carlo 2006-07
CHEVY Silverado 2007-UP
CHEVY Suburban 2007-UP
CHEVY Tahoe 2007-UP
CHEVY Traverse 2009-10
GMC Acadia 2007-10
GMC Savanna 2008-UP
GMC Sierra (New Body) 2007-UP
GMC Yukon 2007-UP
PONTIAC Torrent 2007-08
PONTIAC Vibe 2009
SATURN Outlook 2007-09
SATURN Vue 2008-09
SUZUKI XL-7 2007-09

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