



## Installation instructions for part GMOS-LAN-10

# GMOS-LAN-10 GM Data Interface 2016-up

### FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (retained accessory power)
- Provides NAV outputs (parking brake, reverse, and speed sense)
- Retains chimes
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)
- Retains OnStar / OE Bluetooth
- Adjustable OnStar level
- Retains the factory backup camera
- Can be used in both amplified and non-amplified models (excluding Bose)
- Retains balance and fade
- Micro “B” USB updatable

### INTERFACE COMPONENTS

- GMOS-LAN-10 interface
- GMOS-LAN-10 harness
  - 16-pin harness with stripped leads

### APPLICATIONS

#### CHEVROLET

Cruze, Cruze Hatchback (with IOA radio)	2016-up
Malibu (with IOA radio)	2016-up
Silverado (with IOB radio)	2016-up

#### GMC

Sierra (with IOB radio)	2016-up
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- \* *The IOA/IOB code, if applicable, can be found in the “Service Parts Identification” label located:*
  - *Glovebox – Cruze/Silverado/Sierra*
  - *Rear compartment floor – Malibu*

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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.



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## 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 vehicle is equipped with a factory amplifier (excluding Bose), 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.

*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.
- Tape off and disregard the following (4) wires, they will not be used in this application. **Green, Green/Black, Purple, Purple/Black**

### From the GMOS-LAN-10 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.
- If retaining the factory backup camera, connect the **Yellow** RCA jack to the reverse camera input.

### 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-10 harness is only for audible turn signal clicks. No extra steps are required to retain this feature, so leave the relay as-is.*



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## Installing the GMOS-LAN-10

**With the key in the off position:**

- Connect the 16-pin harness with stripped leads, and the GMOS-LAN-10 harness, into the interface.
- Connect the GMOS-LAN-10 harness to the wiring harness in the vehicle.

**Note:** *If using the ASWC-1, connect it after you initialize and test the GMOS-LAN-10, with the key in the off position.*

## Initializing the GMOS-LAN-10

**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, and then to the accessory position. Test all functions of the installation for proper operation, before reassembling the dash.

## Adjusting the GMOS-LAN-10

**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-10 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.



## Installation instructions for part GM05-LAN-10

### **IMPORTANT**

If you are having difficulties with the installation of this product, please call our Tech Support line. 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.