



INSTALLATION INSTRUCTIONS FOR PART AX-ADGM01

AX-ADGM01 GM LAN29 vehicles 2006-up

The AX-ADGM01 is designed to and **MUST** be used with the AX-ADBOX1 or AX-ADBOX2 (*sold seperately*). Please refer to AX-ADBOX1 or AX-ADBOX2 for 16-pin connector instructions.

APPLICATIONS

BUICK

Enclave	2007-up
Lucerne	2006-2011

CADILLAC

Escalade	2007-up* **
DTS	2006-2011*
SRX	2007-2009

CHEVROLET

Avalanche	2007-up* **
Cheyenne	2013**
Equinox	2007-2009
Express	2008-up
Impala	2006-up
Monte Carlo	2006-2007
Silverado (new body)	2007-up**
Suburban	2007-up
Tahoe	2007-up
Traverse	2009-up

GMC

Acadia	2007-up
Savanna	2008-up
Sierra	2007-up* **
Yukon	2007-up* **

HUMMER

H2	2008-2009*
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PONTIAC

Torrent	2007-2009
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SATURN

Outlook	2007-2009
Vue	2008-2009

SUZUKI

XL-7	2007-2009
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INTERFACE COMPONENTS

- 22-pin to 30-pin GM harness
- 4-pin to 4-pin resistor pad harness

TOOLS REQUIRED

- Cutting tool • Tape • Crimping tool
- Connectors (i.e. butt-connectors, bell caps, etc.)

*These vehicles have a digital amp option. Please refer to the RPO list located in the glove box and if code **UQA** or **UQS** appears you have a digital amplifier.



In 2012 and up if the vehicle is equipped with OE navigation you must use the **GMOS-LAN-07.

CAUTION: Metra recommends disconnecting the negative battery terminal before beginning any installation. All accessories, switches, and especially air bag indicator lights must be plugged in before reconnecting the battery or cycling the ignition.

NOTE: Refer to the instructions included with the aftermarket radio.

REV. 5/17/2013 AX-ADGM01



INSTALLATION INSTRUCTIONS FOR PART AX-ADGM01

Installing the Interface

From the 16-pin harness with stripped leads (included with interface)

- Connect the **White** wire to the left front positive speaker output of the aftermarket radio.
- Connect the **White/Black** wire to the left front negative speaker output of the aftermarket radio.
- Connect the **Gray** wire to the right front positive speaker output of the aftermarket radio.
- Connect the **Gray/Black** wire to the right front negative speaker output of the aftermarket radio.

Only make the following connections if the vehicle contains a digitally amplified system

- Connect the **Green** wire to the radio's left rear positive speaker output.
- Connect the **Green/Black** wire to the radio's left rear negative speaker output.
- Connect the **Purple** wire to the radio's right rear positive speaker output.
- Connect the **Purple/Black** wire to the radio's right rear negative speaker output.

From the 22-way harness:

The **Black/Yellow** wire will be discussed later on in the instructions. The DIN plug is not used in this application.

From the 30-way harness:

- Connect the **Black** wire to the ground wire of the aftermarket radio
- Connect the RCA's to the AUX in on the aftermarket radio (if equipped)
- **Satellite information will be displayed on D.I.C.**
- Connect the **Yellow** wire to the constant wire of the aftermarket radio.
- If the vehicle is amplified disconnect the 4-pin harness located between the 30-way and 22-way connector and connect the supplied 4-pin to 4-pin resistor pad.

Only make these connections if you do not have a digital amplifier

Amplified vehicles:

- Connect the **Violet** wire to the right rear positive wire of the aftermarket radio.

- Connect the **Violet/Black** wire to the right rear negative wire of the aftermarket radio.
- Connect the **Green** wire to the left rear positive wire of the aftermarket radio.
- Connect the **Green/Black** wire to the left rear negative wire of the aftermarket radio.

Non-amplified vehicles:

- Cut the resistors from the **Green, Green/Black, Purple, Purple/Black** right below the heat shrink.
- Connect the **Violet** wire to the right rear positive wire of the aftermarket radio.
- Connect the **Violet/Black** wire to the right rear negative wire of the aftermarket radio.
- Connect the **Green** wire to the left rear positive wire of the aftermarket radio.



INSTALLATION INSTRUCTIONS FOR PART AX-ADGM01

Installing the Interface

- Connect the **Green/Black** wire to the left rear negative wire of the aftermarket radio.

12-Way Harness:

This harness is for the ASWC-1 (sold separately). Please refer to the ASWC-1 instructions for programming.

Installing the AX-ADGM01

1. With the connections completed, plug the 22- and 16-pin harnesses into the AX-ADGM01
2. Plug the 30-pin GM harness into the vehicle side harness, and plug the aftermarket radio harness into the aftermarket radio
3. Reconnect the negative battery terminal.
4. Initialize the interface by cycling the key by turning the ignition on for 30-seconds then back off, and then back on again to test the radio.

Backup camera harness

Connect the **Yellow** RCA to the aftermarket radios backup camera video input.

RSE harness

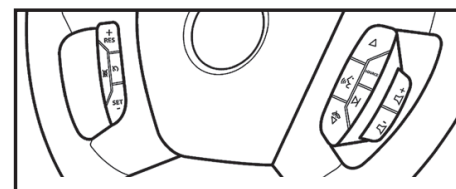
Connect the "From rear A/V input" RCA's to the aftermarket radios audio/video input. Plug **Yellow** in to video in, **Red** to right audio in, and **White** to left audio in. Connect the "To overhead screen" RCA's to the aftermarket radios audio/video output. Plug **Yellow** in to video out, **Red** to right audio out, and **White** to left audio out. Connect the **Black** wire with the ring terminal to ground.

Video and RSE Harness

OE Satellite (if equipped)

- To listen to the factory satellite, change the source of the radio to AUX.
- Press and hold the SOURCE button for three seconds.
- The driver's information center, located in the center of your instrument cluster, will now display your satellite information.
- To exit Satellite mode press and hold SOURCE for (3) seconds.

Listed below are the functions of the steering wheel controls:



Source - Changes source of the radio/ enters and exits Satellite mode

Track up - Changes track on radio/ satellite station

Track down - Changes track on radio/ satellite station

Volume up - Enter

Continued on back



INSTALLATION INSTRUCTIONS FOR PART AX-ADGM01

Testing the AX-ADGM01

- Turn the ignition on, and then turn the aftermarket radio on.
- Push the OnStar button, the radio should turn off (radio will mute if mute wire is connected), you should hear OnStar. Push the OnStar cancel button, the radio should come back on.

Chime Volume Adjustment

1. With car on, shut off car and leave keys in ignition. Open the car door and leave it open. Chimes will be heard.
2. Wait 10-seconds, then with a small screwdriver adjust the potentiometer fully counterclockwise (all the way left), then clockwise to raise chime level and counterclockwise to lower the chime level.
3. When the volume is at the desired level, remove the keys from the ignition. This will lock the chime volume at its current level.

Audio Level Adjustment

1. Start your vehicle and turn on the radio having audio playing.
2. Turn your aftermarket radio's volume up 3/4 of the way.
3. With a small screwdriver adjust the potentiometer clockwise to raise the audio level and counterclockwise to lower the audio level.
4. Once at desired level your audio adjustment is complete.

OnStar Level Adjustment

To adjust the OnStar volume level find the **Black/Yellow** wire on the 16-pin harness. Push the blue OnStar button, while the voice is speaking tap the **Black/Yellow** wire to ground. Once the volume is set it will stay at that volume until the **Black/Yellow** wire is tapped to ground again. This can be set during installation and then left alone. If user adjustment is desired, the customer may also tap volume up or down on the steering wheel (if equipped) to adjust the OnStar level.



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**Metra recommends MECP
certified technicians**

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AUTODETECT



GM LAN 29 2006-UP
SEE BACK FOR SPECIFIC APPLICATIONS

AX-ADGM01

AX-ADGM01
AUTO-DETECT SYSTEM HARNESS



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SEE BACK FOR SPECIFIC APPLICATIONS

AX-ADGM01

GM LAN 29 2006-UP

AUTO-DETECT SYSTEM HARNESS USE WITH AUTO-DETECT INTERFACE

BUICK Enclave 2007-UP
BUICK Lucerne 2006-II
CADILLAC Escalade 2007-UP *, **
CADILLAC DTS 2006-2011 *
CADILLAC SRX 2007-09 *
CHEVROLET Avalanche 2007-UP *, **
CHEVROLET Cheyenne 2013 **
CHEVROLET Equinox 2007-09
CHEVROLET Express 2008-UP
CHEVROLET Impala 2006-UP
CHEVROLET Monte Carlo 2006-2007
CHEVROLET Silverado (new body) 2007-UP **
CHEVROLET Suburban 2007-UP *, **
CHEVROLET Tahoe 2007-UP *, **
CHEVROLET Traverse 2009-UP
GMC Acadia 2007-UP
GMC Savanna 2008-UP
GMC Sierra 2007-UP *, **
GMC Yukon 2007-UP *, **
HUMMER H2 2008-09 *
PONTIAC Torrent 2007-09
SATURN Outlook 2007-09
SATURN Vue 2008-09
SUZUKI XL-7 2007-09

NOTE:

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***WARNING:** This product contains chemicals, including lead, known to the state of California to cause cancer and birth defects or other reproductive harm. *Wash hands after handling.*

MADE IN USA



AX-ADGM01

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