

## GM05-06

# Cadillac Amplified OnStar Interface 1996-2005

---

### APPLICATIONS

*See inside front cover*

---

### KIT FEATURES

- Provides accessory (12 volt 10 amp)
- Retains R.A.P. (retained accessory power)
- Used in amplified systems
- Retains chimes
- Provides NAV outputs (parking brake, reverse, mute, V.S.S.)
- Retains OnStar/OE Bluetooth
- Adjustable volume for chimes and OnStar
- High level speaker input
- USB updatable
- Retains balance and fade

---

### INTERFACE COMPONENTS

- GM05-06 interface
- 16-pin harness with stripped leads
- 14-pin harness to 32-pin GM harness with stripped leads

---

### TOOLS REQUIRED

- Cutting tool
- Crimping tool
- Tape
- Connectors (example: butt-connectors, bell caps, etc.)

---

***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.***

## Applications

*(Note: This interface will also work in vehicles listed below that are not equipped with Onstar)*

### CADILLAC

Deville	1996-2005
Eldorado	1996-2002
Seville	1996-2004
Catera	1997-2001

## Connections to be made

### From the 16-pin harness:

- Connect the **Red** wires to the ignition wire of the aftermarket radio.
- Connect the **Orange/White** wire is not used in this application.
- 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.
- 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.
- Connect the **Blue/White** wire to the radio's amp turn on wire.

## GMOS-06

### Connections to be made

- Connect the **Brown** wire to the mute wire of the aftermarket radio. If the aftermarket radio does not have a Mute wire, tape up the **Brown** wire.
- Connect the **Light Green** wire to the parking brake wire of the aftermarket navigation radio.
- Connect the **Blue/Pink** wire to the VSS or speed sense wire of the aftermarket navigation radio.
- Connect the **Green/Purple** wire to the reverse wire of the aftermarket navigation radio.
- Plug the 16-pin harness into the GMOS-06.
- The **Black/White** wires are to be grounded only if engine noise is present, otherwise insulate the unused wires.
- Plug the 14-pin harness into the GMOS-06.
- The **Black/Yellow** wire is for the OnStar volume adjustment. This will be discussed in the OnStar Level Adjustment section of this instruction.

The 12-pin harness (ASWC plug) will be discussed later in the manual.

#### From the 32-pin GM harness:

- Connect the **Yellow** wire to the radio's 12 volt battery or memory wire.
- Connect the **Black** wire to the radio's ground wire.
- Connect the **Blue** wire to the radio's antenna turn wire.
- Connect the **Orange/White** wire to the illumination wire of the aftermarket radio. If the aftermarket radio has no illumination wire, tape off the **Orange/White** wire.

### Installing the GMOS-06

- With all connections completed to the aftermarket radio, plug the 32-pin harnesses into the vehicles wiring harnesses.
- Reconnect the negative battery terminal.
- Cycle the key, by turning the ignition on for 30 seconds. Then off and on again to test the radio.

## Testing the GM05-06

- 1) Turn the ignition on if not already, and then turn the radio on to verify that the radio works. Check balance and fader controls for proper operation.
- 2) Push the Onstar button (if equipped) to verify Onstar is working. The radio will shut off or mute, depending if the **Brown** wire on the 16-pin harness is connected, and Onstar will be heard through the front speakers. Turn off Onstar and the radio will turn back on.
- 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.

There are 4 volume settings for OnStar; once the 4th setting is reached and the **Black/Yellow** wire is tapped to ground it will automatically go back to the first volume setting.

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.

### Chime Volume Adjustment

*Please refer to your owner's manual to adjust the chime level.*

### Audio Level Adjustment

*(Potentiometer located on 16-pin side of the interface)*

- 1) Start your vehicle and turn on the radio having audio playing.
- 2) Turn your aftermarket radio's volume up  $\frac{3}{4}$  of the way.

