



## INSTALLATION INSTRUCTIONS FOR PART GMOS-100

### GMOS-100

**\*Read Important Warning On Page 1  
Before Attempting Any Installation\***

The GMOS-100 is a GM solution to add an aftermarket radio into GM vehicles with the CLASS II, GMLAN 11, or GMLAN 29 bit data systems. Weather the vehicle is amplified or non-amplified, equipped with satellite radio, Onstar, Bluetooth, or steering wheel controls, the GMOS-100 can retain it. All the warning chimes and convenience features are retained that are normally lost when the OEM radio is removed. The GMOS-100 also provides a 12 volt 10 amp accessory output and outputs to help install a navigation radio which include VSS, Parking Brake, and Reverse.

### APPLICATIONS

#### **BUICK**

Allure 2005-09  
Enclave 2007-11  
Century 2004-05  
Lacrosse 2005-09  
Lucerne 2006-11  
Rainier 2004-07  
Rendezvous 2002-07  
Terraza 2005-08

#### **CADILLAC**

SRX 2007-09  
Escalade 2003-11  
DTS 2006-11

#### **CHEVROLET**

Avalanche 2003-11  
Cavalier 2000-05  
Cobalt 2007-11  
Corvette 2005-11  
Equinox 2007-09  
Express 2003-11  
Impala 2000-11  
Malibu 2001-11  
Monte Carlo 2000-07  
Silverado 2003-11

SSR 2003-06  
Suburban 2003-11  
Tahoe 2003-11  
Trailblazer 2002-09  
Traverse 2009-11  
Uplander 2005-08  
Venture 2000-05  
HHR 2006-11

#### **GMC**

Acadia 2007-11  
Canyon 2004-09  
Envoy 2002-09  
Savanna 2003-11  
Sierra 2003-11  
Yukon/XL/Denali 2003-11

#### **HUMMER**

H2 2003-09  
H3 2006-09

#### **ISUZU**

Ascender 2003-08  
I series 2006-08

#### **OLDSMOBILE**

Alero 2001-04  
Bravada 2002-04  
Intrigue 2002  
Silhouette 2000-04

#### **PONTIAC**

Aztec 2001-05  
G5 2007-08  
Grand Am 2001-05

Grand Prix 2004-08  
Montana 2000-2005  
Solstice 2006-08  
Sunfire 2000-05  
Torrent 2007-09  
Vibe 2009-10

#### **SAAB**

9-7x 2005-09

#### **SATURN**

Aura 2006-09  
Outlook 2007-09  
Sky 2006-09  
Relay 2005-07  
Vue 2008-09

#### **SUZUKI**

XL-7 2007-09



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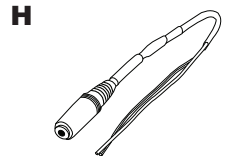
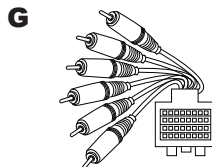
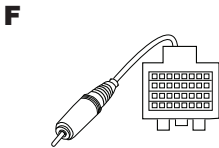
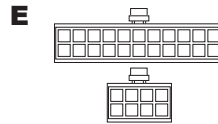
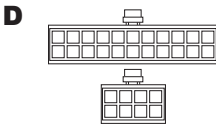
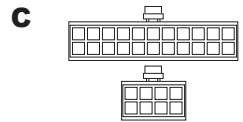
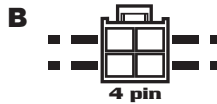
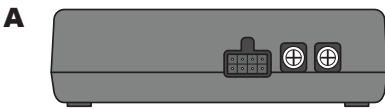
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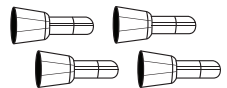
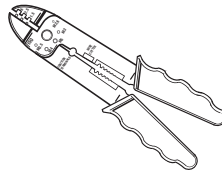
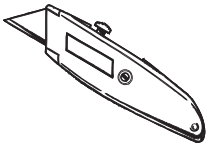
## INTERFACE COMPONENTS

- A) GMOS-100 Interface
- B) 4 pin harness with stripped leads
- C) 22 pin to 30 pin GMLAN29 harness
- D) 22 pin to 30 pin GMLAN11 harness
- E) 22 pin to 24 pin CLASS II harness
- F) 16 pin Backup camera harness (GMLAN29 vehicles only)
- G) 16 pin RSE harness (GMLAN29 vehicles only)
- H) Female 3.5mm connector with Brown and Brown/White wires



## TOOLS REQUIRED FOR INSTALLATION

- Cutting Tool
- Tape
- Crimping Tool
- Connectors (I.E. butt-connectors, bell caps, ECT...)





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**Metra recommends MECP certified technicians**



**\*Important: Before beginning any of the following, disconnect the negative battery terminal to prevent an accidental short circuit.**

## **GMLAN29 INSTRUCTIONS**

### **APPLICATIONS**

#### **BUICK**

Enclave 2007-11  
Lucerne 2006-11

#### **CADILLAC**

Escalade 2007-11  
DTS 2006-10  
SRX 2007-09

#### **CHEVROLET**

Avalanche 2007-11  
Equinox 2007-09  
Express 2008-11  
Impala 2006-2011  
Monte Carlo 2006-2007  
Silverado (new body) 2007-11  
Suburban 2007-11  
Tahoe 2007-11  
Traverse 2009-11

#### **GMC**

Acadia 2007-11  
Savanna 2008-11  
Sierra 2007-2011  
Yukon 2007-11

#### **HUMMER**

H2 2008-09

#### **PONTIAC**

Torrent 2007-09  
Vibe 2009-10

#### **SATURN**

Outlook 2007-09  
Vue 2008-09

#### **SUZUKI**

XL-7 2007-09

### **INSTALLING THE INTERFACE**

**\*Important: Before beginning any of the following, disconnect the negative battery terminal to prevent an accidental short circuit.**

#### **From The 20 Pin Harness:**

- Connect the Red wire to the ignition/accessory wire of the aftermarket radio
- Connect the Orange/White wire to the illumination wire of the aftermarket radio. If the aftermarket radio has no illumination wire just tape off the Orange/White wire
- Connect the Blue/White wire to the amp turn on wire of the aftermarket radio
- 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

The Black/Yellow wire will be discussed later on in the instructions



#### **For Non-Amplified Systems:**

- 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

#### **For Amplified Systems:**

- Connect the White rca to the left front low level output of the aftermarket radio
- Connect the Gray rca to the right front low level output of the aftermarket radio
- Connect the Green rca to the left rear low level output of the aftermarket radio
- Connect the Violet rca to the right rear low level output of the aftermarket radio

#### **The Following Wires Are For The Aftermarket Radios That Have Navigation Built In:**

- Connect the 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

#### **From The 22 Way Harness:**

- Connect the Black wire with the ring terminal to the back of the aftermarket radios chasis
- Connect the 3.5mm jack to your aftermarket radios steering wheel control input (if equipped)

NOTE: If using an Eclipse or Kenwood radio, use supplied female 3.5 adaptor

\* For Kenwood radios: Connect the Kenwood SWC wire (normally Blue/Yellow) to the Brown wire of the GMOS-100. Isolate and tape the Brown/White wire, it will not be used.

\* For Eclipse radios: Connect the Eclipse SWC wires (Normally Brown and Brown/Black) to the Brown and Brown/White wires of the GMOS-100. Brown goes to Brown and Brown/White goes to Brown/Black.

#### **From The 30 Way Harness:**

- Connect the Black wire to the ground wire of the aftermarket radio
- Connect the RCA's on 8 pin harness 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

The GMLAN29-100 comes set up for amplified systems. If the vehicle is not amplified disconnect the 4 pin harness located between the 30 way and 22 way connector.

- Connect the supplied 4 pin speaker harness and connect the following:
  - 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

## **INSTALLING THE GMLAN29-100**

- With all the connections completed, plug the 20, 22, and 8 pin harnesses into the GMOS-100i (sold separately)
- Reconnect the negative battery terminal
- Plug the 30 pin GM harness into the vehicle side harness, and plug the aftermarket radio harness into the aftermarket radio.
- Cycle the key by turning the ignition on then back off, then back on again to test the radio



## PROGRAMMING SWC

- Turn on the ignition
- The LED will begin to blink rapidly
- Turn on the aftermarket radio
- Press volume up until radio responds

### Video And RSE Harness

NOTE: These two additional harnesses are to be used in gmlan29 systems only

#### Backup Camera Harness

- Connect the Yellow rca to the aftermarket radios backup camera video input

#### RSE HARNESS

- Connect the "From rear AV input" rcas 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" rcas 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

### Controlling Satellite

If your vehicle has a Driver information center (D.I.C.) satellite information will be displayed through this display. (If OE satellite is equipped)

- Press and hold the source button for 3 seconds to enter to Satellite menu
- Once in the menu you can navigate through the menu using your SWC buttons.

Seek Up/Down - Scrolls through menu options

Volume Up - Enter

Volume down - Escape

Menu option are as followed

Show Text - Exits menu

Set Tuning Mode - Allows user to select tuning by Preset or channel

Set Preset - Allows user to program Presets

Set Display - Allows user to choose what satellite information is displayed (Seek up controls top line and seek down controls bottom line)

Set XM text mode - Allows user to set Display length of XM information. Options are On, Off, 5 seconds (default 5 seconds)



## GMLAN11 INSTRUCTIONS

### APPLICATIONS

#### CHEVROLET

Cobalt 2007-11

HHR 2006-11

Malibu 2008-11

#### PONTIAC

G5 2007-08

G6 2009

Solstice 2006-09

#### SATURN

Aura 2006-09

Sky 2006-09

### INSTALLING THE INTERFACE

\*Important: Before beginning any of the following, disconnect the negative battery terminal to prevent an accidental short circuit.

#### From The 20 Pin Harness:

- Connect the Red wire to the ignition/accessory wire of the aftermarket radio
- Connect the Orange/White wire to the illumination wire of the aftermarket radio (If the aftermarket radio has no illumination wire just tape off the Orange/White wire)
- Connect the Blue/White wire to the amp turn on wire of the aftermarket radio
- 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)

The Black/Yellow wire will be discussed later on in the instructions

#### For Non-Amplified Systems

- 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

#### For Amplified Systems

- Connect the White rca to the left front low level output of the aftermarket radio
- Connect the Gray rca to the right front low level output of the aftermarket radio
- Connect the Green rca to the left rear low level output of the aftermarket radio
- Connect the Violet rca to the right rear low level output of the aftermarket radio

#### The following wires are for the aftermarket radios that have navigation built in:

- Connect the 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



### **From The 22 Way Harness:**

Connect the Black wire with the ring terminal to the back of the aftermarket radios chasis  
Connect the 3.5mm jack to your aftermarket radios steering wheel control input (if equipped)

NOTE: If using an Eclipse or Kenwood radio, use supplied female 3.5 adaptor

\* For Kenwood radios: Connect the Kenwood SWC wire (normally Blue/Yellow) to the Brown wire of the GMOS-100. Isolate and tape the Brown/White wire, it will not be used.

\* For Eclipse radios: Connect the Eclipse SWC wires (Normally Brown and Brown/Black) to the Brown and Brown/White wires of the GMOS-100. Brown goes to Brown and Brown/White goes to Brown/Black.

### **From The 30 Way Harness:**

- Connect the Black wire to the ground wire of the aftermarket radio
- Connect the RCA's on 8 pin harness to the AUX in on the aftermarket radio (if equipped) The XIA-LCD is needed to view Satellite stations (sold separately)
- Connect the Yellow wire to the constant wire of the aftermarket radio.

The GMLAN11-100 comes set up for amplified systems. If the vehicle is not amplified disconnect the 4 pin harness located between the 30 way and 22 way connector.

- Connect the supplied 4 pin speaker harness and connect the following:
  - 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

## **INSTALLING THE GMLAN11-100**

- With all the connections completed, plug the 20, 22, and 8 pin harnesses into the GMOS-100
- Reconnect the negative battery terminal
- Plug the 30 pin GM harness into the vehicle side harness, and plug the aftermarket radio harness into the aftermarket radio
- Cycle the key by turning the ignition on then back off, then back on again to test the radio

## **PROGRAMMING SWC**

- Turn on the ignition
- Turn on the radio
- The LED on the GMOS-100 will begin to blink rapidly

**The following buttons must be pressed in the following order:**

Volume up, Seek up, Band, PTT/Mute, Fan up (Each button press will be acknowledged with the LED on steadily)

If any of the above buttons are not present, substitute with Volume up. For example, if a vehicle does not have Band and Fan up, you would press Volume up, Seek up, Volume up, PTT/MUTE, Volume up.

After you have pressed five buttons, the LED will turn off, then blink a number of times according to the detected vehicle type.





If you press the buttons incorrectly, turn off the ignition and repeat the above steps. If you do it wrong, it can be done again by pressing the volume up button for 15 seconds until the LED goes into fast blink mode again.

## **INSTALLING THE GMOS-100**

- With all the connections completed, plug the 14 and 12 pin harnesses into the GMOS-100
- Reconnect the negative battery terminal
- Plug the 30 pin GM harness into the vehicle side harness, and plug the aftermarket radio harness into the aftermarket radio
- Cycle the key by turning the ignition on then back off, then back on again to test the radio



## CLASS II INSTRUCTIONS

### APPLICATIONS

#### **BUICK**

Allure 2005-09  
Century 2004-05  
Lacrosse 2005-09  
Rainier 2004-07  
Rendezvous 2002-07  
Terraza 2005-08

#### **CADILLAC**

Escalade 2003-06  
Escalade ext 2003-06

#### **CHEVROLET**

Avalanche 2003-06  
Cavalier 2000-05  
Colorado 2004-09  
Corvette 2005-10  
Express 2003-07  
Impala 2000-05  
Malibu 2000-03  
Malibu classic 2004  
Monte carlo 2000-05  
Silverado 2003-06

Silverado classic 2007  
SSR 2003-06  
Suburban 2003-06  
Tahoe 2003-06  
Trailblazer 2002-09  
Uplander 2005-08  
Venture 2000-05

#### **GMC**

Canyon 2004-09  
Envoy 2002-09  
Savana 2003-09  
Sierra 2003-06  
Sierra classic 2007  
Yukon/xl/denali 2003-06

#### **HUMMER**

H2 2003-07  
H3 2006-09

#### **ISUZU**

Ascender 2003-08  
I series 2006-08

#### **OLDSMOBILE**

Alero 2001-04  
Bravada 2002-04  
Intrigue 2002  
Silhouette 2000-04

#### **PONTIAC**

Aztec 2001-05  
Grand am 2001-05  
Grand prix 2004-08  
Montana 2000-2005  
Sunfire 2000-05

#### **SAAB**

9-7x 2005-09

#### **SATURN**

Relay 2005-09

## INSTALLING THE INTERFACE

\*Important: Before beginning any of the following, disconnect the negative battery terminal to prevent an accidental short circuit.

#### **From The 20 Pin Harness:**

- Connect the Red wire to the ignition/accessory wire of the aftermarket radio
- Connect the Orange/White wire to the illumination wire of the aftermarket radio. If the aftermarket radio has no illumination wire just tape off the Orange/White wire.
- Connect the Blue/White wire to the amp turn on wire of the aftermarket radio.
- 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.

The Black/Yellow wire will be discussed later on in the instructions



#### **For Non-Amplified Systems**

- 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

#### **For Amplified Systems**

- Connect the White rca to the left front low level output of the aftermarket radio
- Connect the Gray rca to the right front low level output of the aftermarket radio
- Connect the Green rca to the left rear low level output of the aftermarket radio
- Connect the Violet rca to the right rear low level output of the aftermarket radio

#### **The Following Wires Are For The Aftermarket Radios That Have Navigation Built In:**

- Connect the 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

#### **From The 22 Way Harness:**

- Connect the Black wire with the ring terminal to the back of the aftermarket radios chasis
- Connect the 3.5mm jack to your aftermarket radios steering wheel control input (if equipped)

NOTE: If using an Eclipse or Kenwood radio, use supplied female 3.5 adaptor

\* For Kenwood radios: Connect the Kenwood SWC wire (normally Blue/Yellow) to the Brown wire of the female 3.5 jack. Isolate and tape the Brown/White wire, it will not be used.

\* For Eclipse radios: Connect the Eclipse SWC wires (Normally Brown and Brown/Black) to the Brown and Brown/White wires of the female 3.5 jack. Brown goes to Brown and Brown/White goes to Brown/Black.

#### **From The 24 Way Harness:**

- Connect the Black wire to the ground wire of the aftermarket radio
- Connect the Yellow wire to the constant wire of the aftermarket radio
- Connect White/Blue wire to aftermarket radios amp turn on (if White/Blue wire is populated on factory side)
- Connect the RCA's on 8 pin harness to the AUX in on the aftermarket radio (if equipped). The XIA-LCD is need to view Satellite stations (sold separately)

#### **From the 12 way harness:**

- Connect the Blue/Pink wire to the aftermarket radios VSS (if populated on factory side)

The CLASS II-100 comes set up for amplified systems. If the vehicle is not amplified disconnect the 4 pin harness located between the 24 way and 22 way connector.

- Connect the supplied 4 pin speaker harness and connect the following:
  - 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



## INSTALLING THE CLASS II-100

- With all the connections completed, plug the 20, 22, and 8 pin harnesses into the GMOS-100
- Reconnect the negative battery terminal
- Plug the 24 and 12 pin GM harness into the vehicle side harness, and plug the aftermarket radio harness into the aftermarket radio
- Cycle the key by turning the ignition on then back off, then back on again to test the radio

## PROGRAMMING SWC

In Class II vehicles, there are two ways to program the SWC. If your vehicle is not on the following list please refer to the "ALL OTHER VEHICLE" section.

### **Buick**

2004-07 Rainer

### **Cadillac**

2003-06 Escalade (all models)

### **Chevrolet**

2003-06 Avalanche

2000-05 Caviler

2004-09 Colorado

2007 Silverado (classic)

2003-06 Silverado

2003-06 SSR

2003-06 Suburban

2003-06 Tahoe

2002-09 Trailblazer

### **GMC**

2004-09 Canyon

2002-09 Envoy

2007 Sierra (classic)

2003-06 Sierra

2003-06 Yukon (all models)

### **Hummer**

2003-07 H2

### **Isuzu**

2003-05 Ascender

### **Oldsmobile**

2002-04 Bravada

### **Pontiac**

2000-05 Sunfire

### **Saab**

2005-07 9-7x

- Turn on the ignition
- Turn on the radio
- The LED on the GMOS-100 will begin to blink rapidly
- Turn on the aftermarket radio
- Press volume up until radio responses

## ALL OTHER VEHICLES

- Turn on the ignition
- The LED will begin to blink rapidly

**The following buttons must be pressed in the following order:**

Volume up, Seek up, Band, PTT/Mute, Fan up (Each button press will be acknowledged with the LED on steadily)



If any of the above buttons are not present, substitute with Volume up. For example, if a vehicle does not Band and Fan up, you would press Volume up, Seek up, Volume up, PTT/MUTE, Volume up.

After you have pressed five buttons, the LED will turn off, then blink a number of times according to the detected vehicle type. If SWC does not recognize, please note the number of blinks and contact tech support.

## TESTING THE GMOS-100

- 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) and you should hear Onstar. Push the Onstar cancel button and the radio should come back on

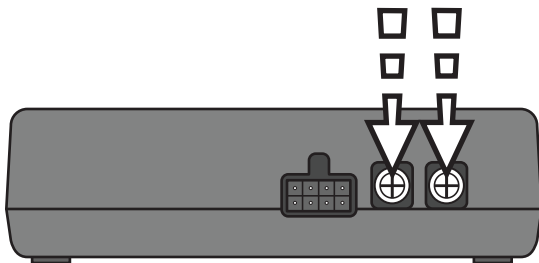
### Chime/Turn signal Volume Adjustment

To adjust the chime volume, use a small screwdriver to rotate the potentiometer, located on the 8 pin harness side of the interface (closest to 8 pin harness). Turn clockwise to make the chime/turn signal louder and counterclockwise to make the chime/turn signal softer. Turn signal will not be affected in non amplified or class II systems

### Overall Gain Level Adjustment

To adjust the overall audio volume of your vehicle, use a small screwdriver to rotate the potentiometer, located on the 8 pin harness side (furthest away from 8 pin harness). Turn clockwise to make gain louder and counterclockwise to make the gain softer.

## POTENTIOMETERS



### Onstar Level Adjustment

To adjust the Onstar volume level find the Black/Yellow wire on the 20 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, a momentary contact switch (sold separately) can be added. Connect one terminal from the switch to ground and the other terminal to the Black/Yellow wire. The volume will change one level every time the switch is pressed.



### To Manually Set The Radio Type:

This action must begin 20 seconds AFTER the Key is set to ACC ON position.

- Hold Down VOLUME DOWN button for 30 seconds
- LED will begin to blink rapidly
- Press the VOLUME UP button the number associated with the desired radio type (as seen in the radio list below). The LED will remain ON while holding down the button & will go back to blinking when released.

For example : If the radio is a JVC, press the VOLUME UP button 5 times.

RADIO_ECLIPSE	1
RADIO_KENWOOD	2
RADIO_CLARION	3
RADIO_SONY_DUAL	4
RADIO_JVC	5
RADIO_JENSEN_PIONEER	6
RADIO_ALPINE	7
RADIO_VISTEON	8
RADIO_VALOR	9
RADIO_CLARION_5K	10

- Press the VOLUME DOWN button to finish. The LED will then go off.
- After a few seconds, the LED will then blink the number of times corresponding to the radio ID type. This number should be the same number the user has just pressed the VOLUME UP button.

### REMAPPING THE SWC BUTTONS

Let's say you have the GMOS-100 programmed to your vehicle and your radio and you want to change the button assignment for the steering wheel controls. For instance you would like Seek Up to be Mute.

**This process is the same as manually programming the GMOS-100 (please refer to the Manual Programming section) with a couple of notes:**

- The GMOS-100 must have detected the vehicle and radio it is attached to before you can remap any buttons.
- You can only start the remapping of the steering wheel controls process within the first 20 seconds of turning the ignition key on. If you wait longer then the 20 seconds you will have to turn the ignition off then back on again.
- Within the first 20 seconds if any button other then Volume Up or Volume Down is pushed, the remapping process will stop.
- If during the remapping process no button is pushed for 30 seconds the remapping process is aborted and the original settings are reset.

### So Let's Begin The Remapping Process:

- Ideally having the GMOS-100 visible is recommended since you can see the led flashes to confirm button recognition.
- Turning off the radio is recommended
- Within the first 20 seconds of turning the ignition on, press and hold down the Volume Up button for at least 25 seconds.
- The led will light up solid red. Release Volume Up and the led will go out. Volume Up has now been programmed.



Follow the list below in order however pushing the steering wheel control button you want for the function below. If you want to skip a command press the Volume Up on the steering wheel, this will tell the GMOS-100 to skip the command and go to the next one.

1. Volume Up
2. Volume Down
3. Seek Up/Next
4. Seek Down/Prev
5. Source/Mode
6. Mute
7. Preset Up
8. Preset Down
9. Power
10. Band
11. Play/Enter
12. PTT (Push To Talk)
13. On Hook
14. Off Hook
15. Fan Up
16. Fan Down
17. Temp Up
18. Temp Down

\* Note: Remember not all radios will have all these commands. Please refer to the radios' owners manual for specific commands recognized by the radio.

For instance the next command to be mapped is the Volume Down command. Let's say you want the Mode button on your steering wheel to be the Volume Down command. Hold down the Mode button till the led lights up solid red, and then release it. Now your Mode button on the steering wheel is Volume Down.

After the last button is programmed on your steering wheel (you do not have to go through the whole list), hold down the Volume Up button for at least 10 seconds then the led will go out.

Or

After the 18th button is programmed or skipped the led will go out and the remapping is completed.

## **RESETTING OR FORCING AUTO LEARN ON THE SWC**

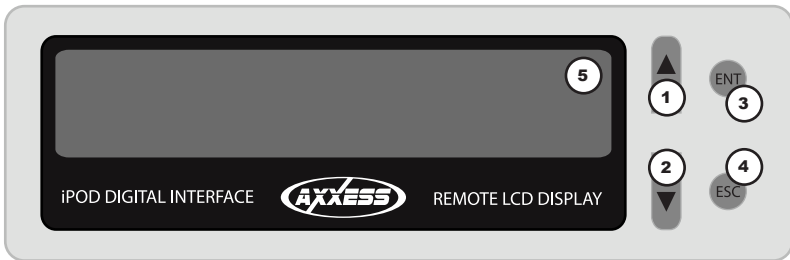
**If for any reason after remapping the steering wheel controls you want to go back to the original steering wheel control settings, follow these steps:**

- After 30 seconds of turning the ignition on, press and hold down the original Volume Up button for at least 25 seconds
- The led will blink rapidly
- Release the Volume Up button and wait until the led goes on solid
- After the led goes off the original steering wheel control settings will be restored



## THE XIA-LCD SCREEN (OPTIONAL)

The XIA-LCD will allow you to navigate through factory installed satellite options



1. Channel up: Allows channel up function in satellite mode
2. Channel down: Allows channel down function in satellite mode
3. Select/Enter button: Selects current item on screen
4. Escape/Exit button: Exits to previous screen
5. Screen: This is where your satellite information is viewed.



[illegible]

[illegible]

[illegible]



## INSTALLATION INSTRUCTIONS FOR PART GM05-100

REV. 10/06/2010



**1-800-221-0932**



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