



# GM29-SWC INSTALLATION INSTRUCTIONS

## GM Data Interface with SWC 2006-Up

### INTERFACE FEATURES

- Provides retained accessory power (12 volt, 10 amp)
- Compatible with all major radio brands (bypassed or non-amplified models)
- Retains steering wheel controls and allows for dual assigned buttons
- Provides illumination, parking brake, reverse, and speed sense outputs
- Retains memory settings after battery disconnection or interface removal
- Retains warning chimes through an onboard speaker
- Retains balance and fade and is Micro-B USB updatable

Having difficulties? We're here to help.



Contact our Tech Support line at:

**386-257-1187**



Or via email at:  
techsupport@metra-autosound.com

### Tech Support Hours (Eastern Standard Time)

Monday - Friday: 9:00 AM - 7:00 PM

Saturday: 10:00 AM - 7:00 PM

Sunday: 10:00 AM - 4:00 PM

### INTERFACE COMPONENTS

- GM29-SWC Harnesses A and B
- GM29-SWC Interface
- 3.5mm adapter

### TOOLS RECOMMENDED

- Wire cutter
- Crimp tool and connectors OR
- Solder gun, solder, and heat shrink
- Tape • Zip ties

### Product Info



From time to time vehicle and aftermarket radio manufacturers make changes to their products. Go to <http://www.metraupdater.com> to download the Metra Updater program to update your interface using the supplied updated cable.

\*Note: The updater program is windows based only.

### APPLICATIONS

#### HARNESS A

##### Buick (bypass factory amplifier)

Enclave	2008-2017
Lucerne	2006-2011

##### Cadillac (bypass factory amplifier)

DTS	2006-2011
Escalade	2007-2014
Escalade ESV	2007-2011
Escalade EXT	2007-2014
SRX	2007-2009

##### Chevrolet

Avalanche (2)	2007-2013
Captiva Sport (2)	2012-2015
Equinox	2007-2009
Express (1)	2008-Up
Impala	2006-2013
Impala Limited	2014-2016
Monte Carlo	2006-2007
Silverado 2500 HD (2)	2014
Silverado 3500 HD (2)	2014
Silverado (new body) (2)	2007-2013
Suburban (2)	2007-2014
Tahoe (2)	2007-2014
Traverse	2009-2017

##### GMC

Acadia	2007-2016
Acadia Limited	2017
Savana (1)	2008-Up
Sierra 2500 HD (2)	2014
Sierra 3500 (2)	2014
Sierra (new body) (2)	2007-2013
Yukon (2)	2007-2014
Yukon XL (2)	2007-2014

##### Hummer (bypass factory amplifier)

H2	2008-2009
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##### Pontiac

Torrent	2007-2009
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##### Saturn

Outlook	2007-2010
Vue	2008-2010

##### Suzuki

XL-7	2007-2009
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#### HARNESS B

##### Chevrolet

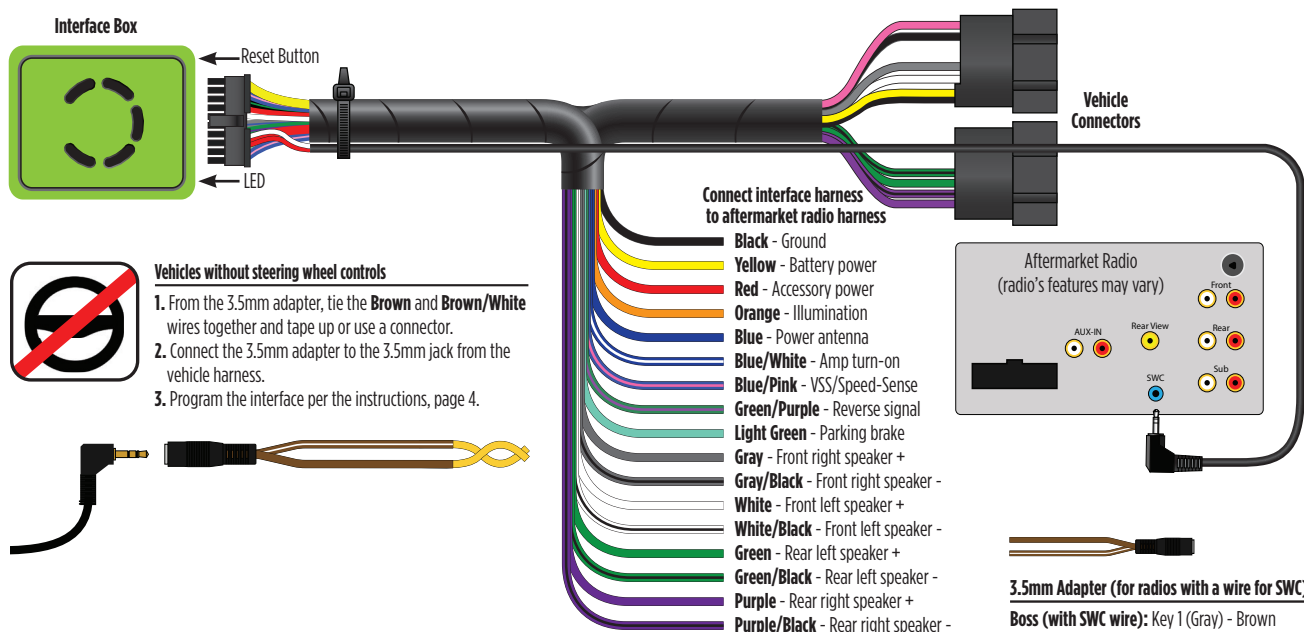
Cobalt	2007-2010
HHR	2006-2011
Malibu	2008-2012
<b>Pontiac</b>	
G5	2007-2009
G6 (3)	2009
G6	2010
Solstice (4)	2006-2009

##### Saturn

Aura	2007-2009
Sky	2007-2009
Vue (4)	2006-2007

- (1) Not compatible with 2013-2015 models equipped with Navigation
- (2) Not compatible with 2012-Up models equipped with Navigation
- (3) 5th digit of VIN must be a J, K, or L
- (4) DO NOT cut pin 5 for these vehicles

# HARNESS A CONNECTIONS



## Vehicles without steering wheel controls

1. From the 3.5mm adapter, tie the **Brown** and **Brown/White** wires together and tape up or use a connector.
2. Connect the 3.5mm adapter to the 3.5mm jack from the vehicle harness.
3. Program the interface per the instructions, page 4.

## 3.5mm Adapter (for radios with a wire for SWC)

**Boss (with SWC wire):** Key 1 (Gray) - Brown

**Kenwood/JVC (with SWC wire):** Blue/Yellow - Brown

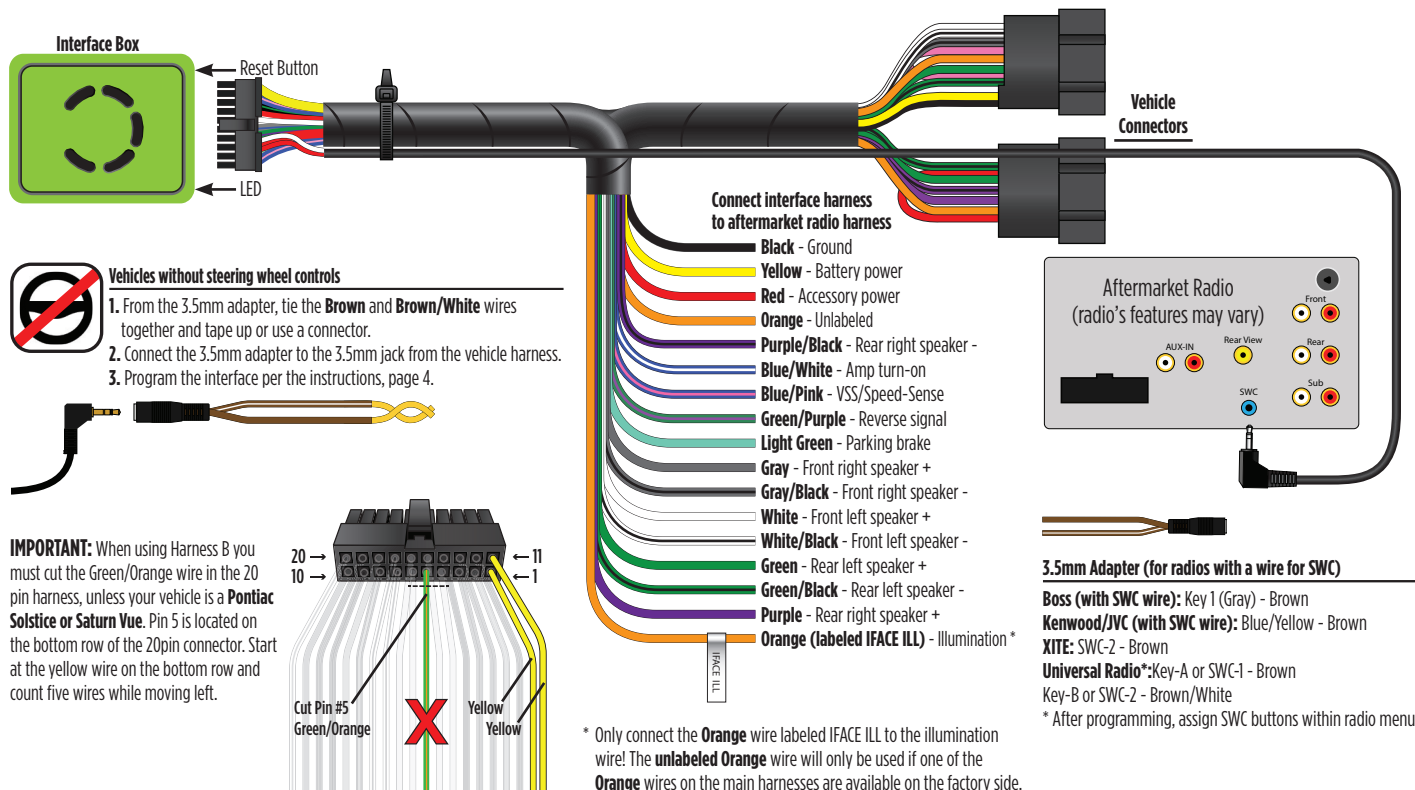
**XITE:** SWC-2 - Brown

**Universal Radio\*:** Key-A or SWC-1 - Brown


Key-B or SWC-2 - Brown/White


\* After programming, assign SWC buttons within radio menu


# HARNESS B CONNECTIONS

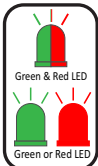


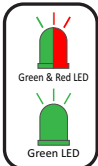
# PROGRAMMING

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Open the driver's door, and keep open during the programming process. Turn the ignition on.
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Connect the appropriate **GM29-SWC harness** to the **GM29-SWC interface** and then to the vehicle connectors that were removed from the factory radio. As soon as you plug the vehicle connectors into the vehicle's harness move to step 3, programing the interface is a time sensitive process.
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Locate the right hand Volume Up button on the steering wheel.  
**Harness A:** Program the interface by tapping the volume up button at a heartbeat rate until the LED stops flashing.  
**Harness B:** Program the interface by pressing and holding the button until the LED stops flashing.
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The LED will flash **Green & Red** while the interface programs the radio to the steering wheel controls. Once programmed, the LED will go out, then produce a pattern which will identify the radio type installed.
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The LED will go out, then once again quickly flash **Green & Red** while the interface programs itself to the vehicle. Once programmed, the LED will go out again, then turn solid **Green**.

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**Press:**  
 Vol Up, Seek Up,  
 Vol Up, PTT/Mute,  
 Vol Up

**Harness B only:** Press the following buttons on the steering wheel in the exact sequence shown. For each button pressed, the LED will turn off momentarily then back on. If a button is not present, press **Volume Up** to skip that button. The LED will turn solid **Green** after the last button has been pressed.

  - Volume Up • Seek Up • Volume Up • PTT (OnStar) or MUTE • Volume Up
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Turn the ignition off, then back on.
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Test all functions of the installation for proper operation.

**Note:** If the LED shows **Solid Green** for **Pass** (indicating everything programmed correctly), yet the steering wheel controls don't work, make sure that the 3.5mm

jack is plugged in, and plugged into the correct jack in the radio. Once corrected, press the reset button, then program again.

LED Light	Radio Programming Section	Vehicle Programming Section
Solid Green	Pass	Pass
Slow Red Flash	Fail	Pass
Slow Green Flash	Pass	Fail
Solid Red	Fail	Fail

If the interface fails to function, press and release the reset button. The reset button can be found to the right of the 20 pin connector inside the green plastic housing. Using a small pointed tool press the blue button for 2 seconds and release. The LED will start flashing green and red, immediately proceed to step 3.

