

**PRODUCT FEATURES:**

- Retains factory features in select GM LAN 11 Bit vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls.
- Supports Bose, non-Bose and Y-91 audio systems.
- Retains chime functions.
- Retains front and rear parking sensors.
- EIA color coded wiring for easy installation.

**NOTE:**

Does **NOT** retain OnStar.

**PARTS INCLUDED:**



SWRGM-51 MODULE



GM-51A HARNESS



GM-51B Harness

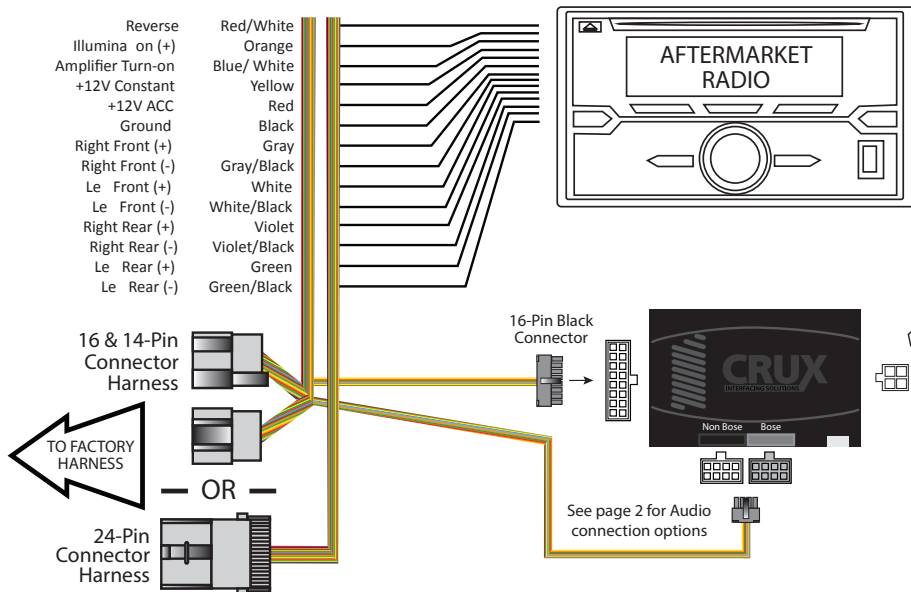


SWC CABLES



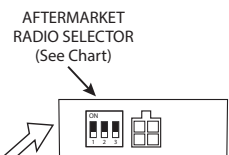
Antenna Adapter

**INSTALLATION DIAGRAM:**

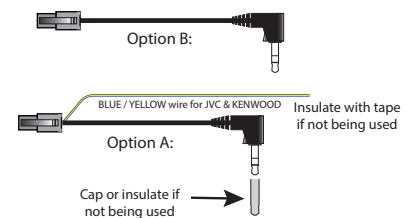


**TROUBLESHOOTING**

LED LIGHT	LED MODULE FEEDBACK
Solid blue	CAN recognized
Flashing blue	CAN not recognized
Solid red	Module providing 12V ACC
Red off	12V ACC OFF



**3.5MM SWC CABLES (Option A or B)**  
 Use the proper 3.5MM to 4-Pin cable for your radio. Plug in the selected 3.5MM SWC cable to the 4-pin port on the module. See "DIP SWITCH SETTINGS" section.



**DIP SWITCH SETTINGS:**

**AFTERMARKET RADIO DIP SWITCH SETTINGS:**

RADIO BRAND:	DIP#:	1	2	3
Atoto, Dual, Fahrenheit, Jensen		OFF	ON	ON
Pioneer, Power Acoustik, Soundstream		OFF	ON	ON
Blaupunkt, Most off-brand Radio		OFF	ON	ON
Alpine		OFF	OFF	OFF
Clarion		ON	ON	OFF
Kenwood		ON	ON	ON
JVC		ON	OFF	ON
Boss, Old Sony		ON	OFF	OFF
New Sony		OFF	ON	OFF

SWC MODULE  
DIP SWITCH



NOTE: For Atoto, Blaupunkt, Dual, Fahrenheit, Power Acoustik, Soundstream, and most off-brand radios, check the aftermarket radio's manual to see if the SWC buttons need to be programmed.

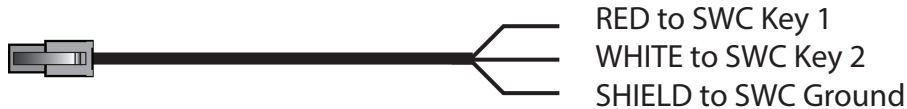
**4-PIN SWC CABLE**

Use the proper 3.5MM to 4-Pin SWC cable for the aftermarket radio you are using.

OPTION A is used for ALPINE, CLARION, JVC, and KENWOOD units (Blue/Yellow wire is attached)  
OPTION B is used for ATOTO, BLAUPUNKT, BOSS, DUAL, FARENHEIT, JENSEN, POWER ACOUSTIK, PIONEER, SONY, SOUNDSTREAM and Most Off-Brand Radios.

NOTE: Cap or insulate the 3.5mm plug or Blue/Yellow wire if not being used.

For aftermarket radios that have wires for SWC connections, cut off the 3.5mm plug on the Crux SWC Cable and connect the SWC wires as follows:



Note that there are some radios that only have SWC1 and SWC2, in this case "shield" does not need to be connected.

**SELECTING THE AUDIO SYSTEM:**

If the vehicle is equipped with an amplified audio system, the SWRGM-51 has a built-in audio level adaptor that outputs the proper audio level from the aftermarket radio to the factory amplifier. To use this feature, plug in the male 8-pin connector on the SWRGM-51 harness to the GRAY female 8-pin connector on the SWRGM-51 module. The module is also labeled "Bose" and "Non Bose" to avoid confusion. (see picture below)

If the vehicle is NOT equipped with a factory amplified system, plug in the male 8-pin connector to the BLACK female 8-pin on the SWRGM-51 module.



NON BOSE  
(Non-Amplified)  
Connection

BOSE  
(Amplified)  
Connection



**CHIME VOLUME ADJUSTMENT:**

The SWRGM-51 has a potentiometer to adjust the chime volume. It is set at half way by default. To adjust the volume, simply use a suitable screw driver and turn the potentiometer clockwise to increase the volume and counter-clockwise to decrease the volume.

Chime  
Volume  
Adjustment



**VEHICLE APPLICATIONS:**

**16 and 14 PIN CONNECTORS**

**CHEVROLET**

2007-2010	Cobalt
2006-2011	HHR
2008-2012	Malibu

**PONTIAC**

2007-2010	G5
2006-2010	Solstice

**SATURN**

2007-2010	Aura
2007	Ion
2007-2009	Sky

**24 PIN CONNECTOR**

**CHEVROLET**

2005-2006	Cobalt
2004-2007	Malibu

**PONTIAC**

2005-2009	G6
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