



Radio Replacement Interface with Steering Wheel Control Retention for Select GM LAN Bus Vehicles 2010-2017

PRODUCT FEATURES:

- Retains factory features in select GM LAN Bus vehicles while functioning with an aftermarket radio.
- Retains chime functions.
- Retains factory Steering Wheel Controls.
- Supports Bose amplified, Premium Y-91 and non-amplified audio systems.
- Retains RAP (Retained Accessory Power).
- Includes factory backup camera retention harness.
- Includes antenna adapter.

PARTS INCLUDED:











SWRGM-49N Module

SWRGM-49N Harness

SWC Cables

Camera Retention Harness

Antenna Adapter

INSTALLATION DIAGRAM: TROUBLESHOOTING LED LED MODULE FEEDBACK LIGHT Solid blue CAN recognized Reverse Gear Purple/White AFTERMARKET -lashing blue CAN not recognized Illumina on (+) Orange RADIO SEI ECTOR AFTERMARKET +12V Constant Yellow (See Chart) RADIO Solid red Module providing 12V ACC +12V ACC Red Black Ground Red off 12V ACC OFF Right Front (+) Grav Gray/Black Right Front (-) Le Front (+) White Le Front (-) White/Black 3.5MM SWC CABLE Le Rear (+) Green Plug in the 3.5MM SWC cable to the 4-pin port Le Rear (-) Green/Black Chime volume on the module. See "DIP SWITCH SETTINGS" section. Right Rear (+) Violet adjustment Right Rear (-) Violet/Black Option B: 16-Pin Black Connector To aftermarket 44-PIN G **Radio SWC Input** CONNECTOR OR TO FACTORY Option A: HARNESS Insulate with tape See page 2 for Audio if not being used BLUE / YELLOW connection options (for Kenwood or JVC) Gray 16-Pin Connector To Aftermarket IIIII Radio Rear Camera Input To OEM Camera Vehicle Speed Sense Harness (Green/White) 1 of 2 rev.072022 Crux Interfacing Solutions • Chatsworth, CA 91311 phone: (818) 609-9299 • fax: (818) 996-8188 • www.cruxinterfacing.com



SWRGM-49N

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CHIME VOLUME ADJUSTMENT:

The SWRGM-49N 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.



DIP SWITCH SETTINGS:

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP#:	1	2	3		
Atoto, Dual, Fahrenheit, Jensen, N	,	OFF	ON	ON	SWC MODULE	
Pioneer, Power Acoustik, Soundst Blaupunkt, Most off-brand Radio	ream	OFF OFF	ON ON	ON ON	DIP SWITCH	
Alpine		OFF	OFF	OFF	ON	
Clarion		ON	ON	OFF		
Kenwood		ON	ON	ON		
JVC		ON	OFF	ON	1 2 3	
Boss, Old Sony		ON	OFF	OFF	125	
New Sony (with CarPlay)		OFF	ON	OFF		

NOTE: For Atoto, Blaupunkt, Dual, Farenheit, Nakamichi, 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, NAKAMICHI, 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 (option B) and connect the SWC wires as follows:

RED to SWC Key 1 WHITE to SWC Key 2 SHIELD to SWC Ground

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

VEHICLE APPLICATIONS:

BUICK 2017 Cascada 2015-2016 Encore

CHEVROLET 2011-2015 Cruze 2016 Cruze Classic 2010-2016 Equinox 2013-2015 Malibu* 2016 Malibu Classic* 2012-2015 Sonic 2012-2015 Spark 2016 Spark Classic 2015-2016 Trax 2015 Volt

GMC 2010-2017 Terrain

NOTES:

Does not retain OnStar. Use Crux part# SOOGM-19N instead.

* Not compatible on Malibu models with navigation radio.



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