



SWRGM-49N

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

PRODUCT MANUAL
VER.072126

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PRODUCT FEATURES:

- Retains factory features in select GM LAN Bus vehicleless while functioning with an aftermarket radio.
- Retains chime functions.
- Retains factory Steering Wheel Controls.
- Support 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

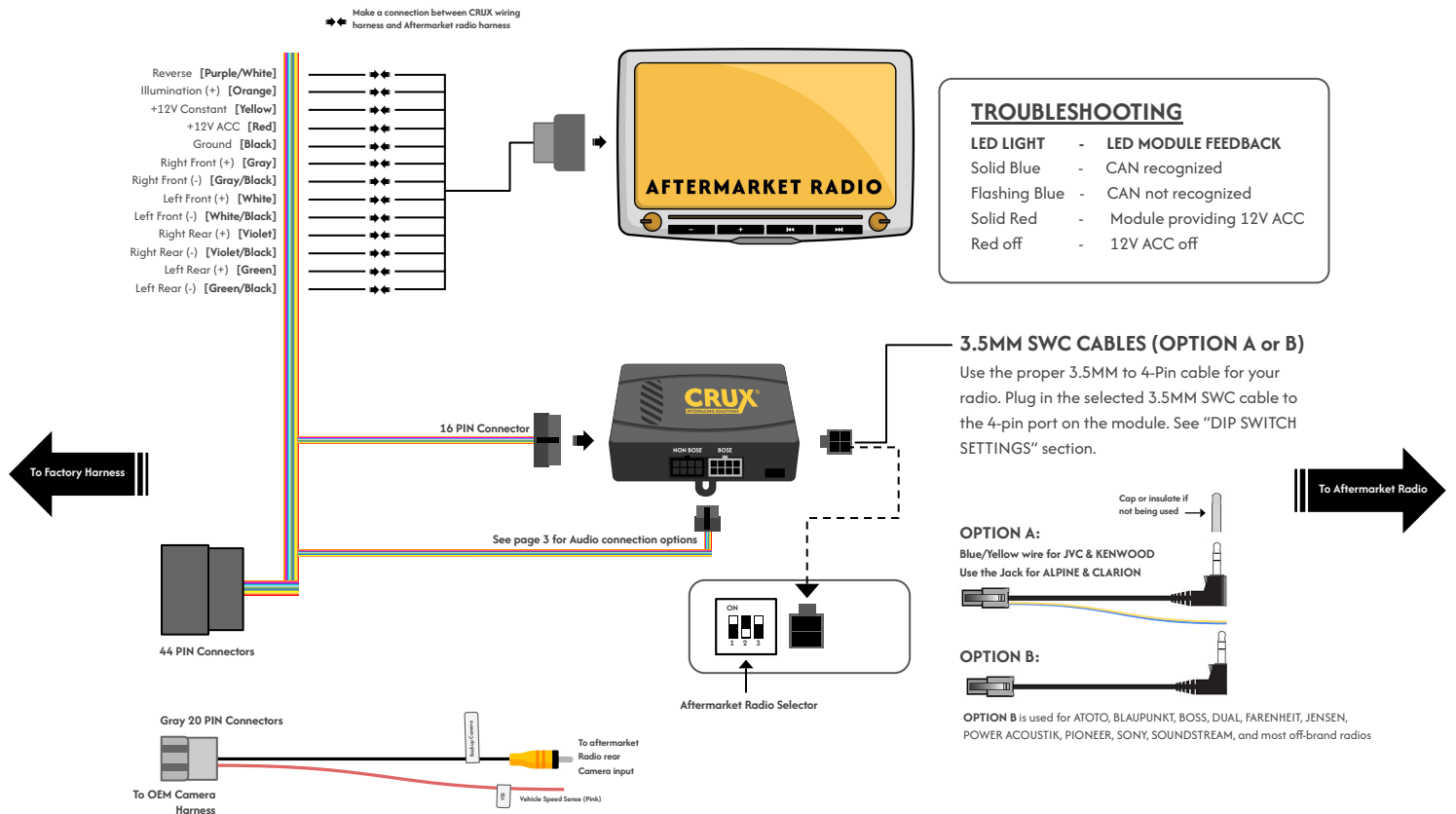


Camera Retention Harness



Antenna Adapter

INSTALLATION DIAGRAM:



DIP SWITCH SETTINGS:

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP#:	1	2	3
Atoto, Dual, Fahrenheit, Jensen, Nakamichi		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 (with CarPlay)		OFF	ON	OFF

NOTE: For Atoto, Blaupunkt, Dual, Fahrenheit, 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
* For SWC Learning Radios specific steps are required. Please scan the QR code on the right.

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:



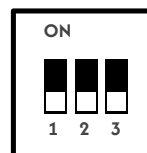
Note that there are some radios that only have SWC1 and SWC2, in this case "shield" does not need to be connected.

SWC TROUBLESHOOTING OPTION



Located internally, need to take plastic casing off module

If Steering Wheel Controls don't work or work properly, please switch internal DIP switch from 3v3 to 5v as shown in picture above.

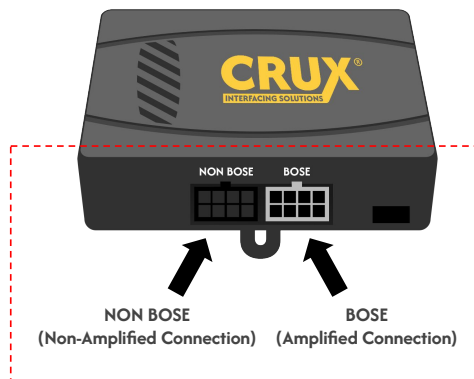


SWC Module
DIP Switch

SELECTING THE AUDIO SYSTEM:

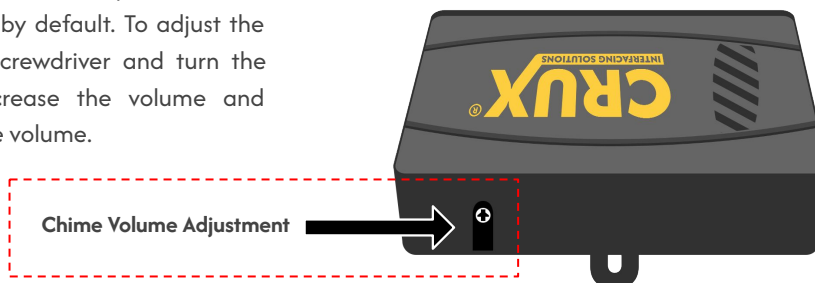
If the vehicle is equipped with an amplified audio system, the SWRGM-49N has a built-in audio level adaptor that outputs the proper audio level from the aftermarket radio to the factory amplifier. To use this feature, plug in the male 8-PIN connector on the SWRGM-49N harness to the GRAY female 8-PIN connector on the SWRGM-49N module. The module is also labeled "BOSE" and "NON BOSE" to avoid confusion. (see image for reference)

If vehicle is NOT equipped with a factory amplified system, plug-in the male 8-PIN connector the the BLACK female 8-PIN on the SWRGM-49N module.



CHIME VOLUME ADJUSTMENT:

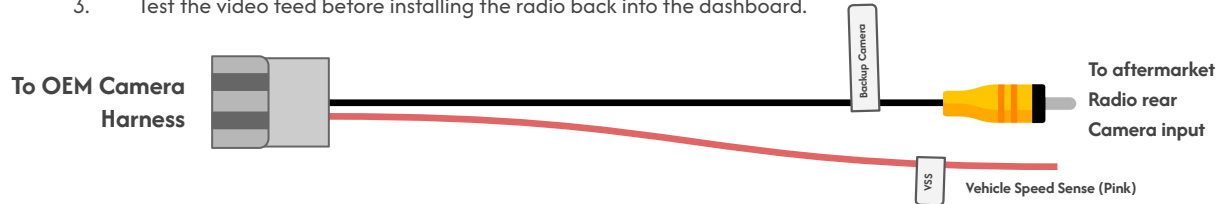
The SWRGM-49N has a potentiometer to adjust the chime volume. It is set at the half way by default. To adjust the volume, simply use a suitable screwdriver and turn the potentiometer clockwise to increase the volume and counter-clockwise to decrease the volume.



BACKUP CAMERA CONNECTION:

You can retain the factory back-up camera by using the OEM camera retention harness included in the kit.

1. Connect the 20-PIN back-up camera harness to the vehicle's 20-PIN factory backup camera connector.
2. Connect the Yellow video RCA to the new aftermarket radio camera input.
3. Test the video feed before installing the radio back into the dashboard.



NOTE:

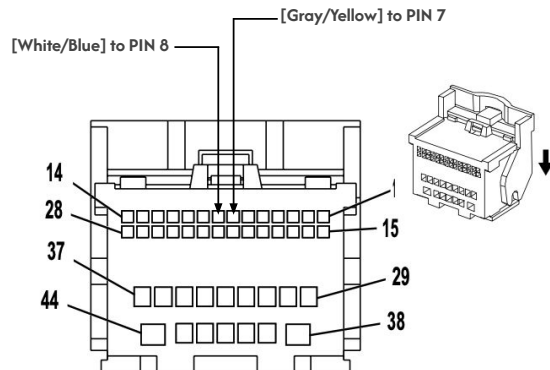
**** 2015-2016 Chevrolet Trax Troubleshooting:**

The rear view camera (RVC) is not on the 20-pin connector. It is on the main 44-pin connector.

Pin 7: Camera positive (+) — wire color can be Gray/Yellow or Brown/Yellow

Pin 8: Camera negative (-) — White/Blue

Re-pin the factory Gray/Yellow wire to Pin 7 and the factory White/Blue wire to Pin 8. See the diagram for reference.



VEHICLE APPLICATIONS:

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

YEARS	MAKE	MODEL
2010-2017	GMC	Terrain
2017	BUICK	Cascada
2015-2016	BUICK	Encore

NOTES:

- Does NOT retain OnStar, use part# SOOGM-19N instead.
- * NOT compatible on Malibu models with navigation radio.

STEERING WHEEL CONTROL BUTTON FUNCTIONS:

SWC BUTTON	SHORT PRESS	LONG PRESS
VOL +	Step Increment	Continuous VOL +
VOL -	Step Decrement	Continuous VOL -
Arrow Up ▲	Seek Up	Preset
Arrow Down ▼	Seek Down	Preset
SRCE	Source Change	Preset
▶	Play/Pause	Preset
Voice	Phone Pickup	Voice Command
Mute	Mute	Phone Hang Up

EXAMPLE APPLICATIONS:

- Chevrolet Cruze 2011-2016
- Chevrolet Malibu 2013-2016 (not w/ NAV)
- Chevrolet Sonic 2012-2015
- Chevrolet Spark 2012-2016
- Chevrolet Volt 2015
- GMC Terrain 2010-2017