

## PRODUCT FEATURES:

- Retains factory features in select GM LAN 29 Bit trucks and SUVs while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls.
- iPhone Voice Recognition (VR) feature from SWC on select Kenwood, Pioneer, Alpine and JVC radios.
- Supports Pick Up/End Call, Pick up and Toggle between 1st and 2nd incoming call, AVRCP Track, Seek.
- Supports Bose, non-Bose and Y-91 audio systems.
- Retains chime functions.
- Provides Factory Rear Seat Entertainment Activation. Requires Cable #CRUX2444A included in kit .
- Retains factory back-up camera.
- EIA color coded wiring for easy installation.

## PARTS INCLUDED:



SWRGM-49A MODULE



SWRGM-49A HARNESS



SWC CABLES

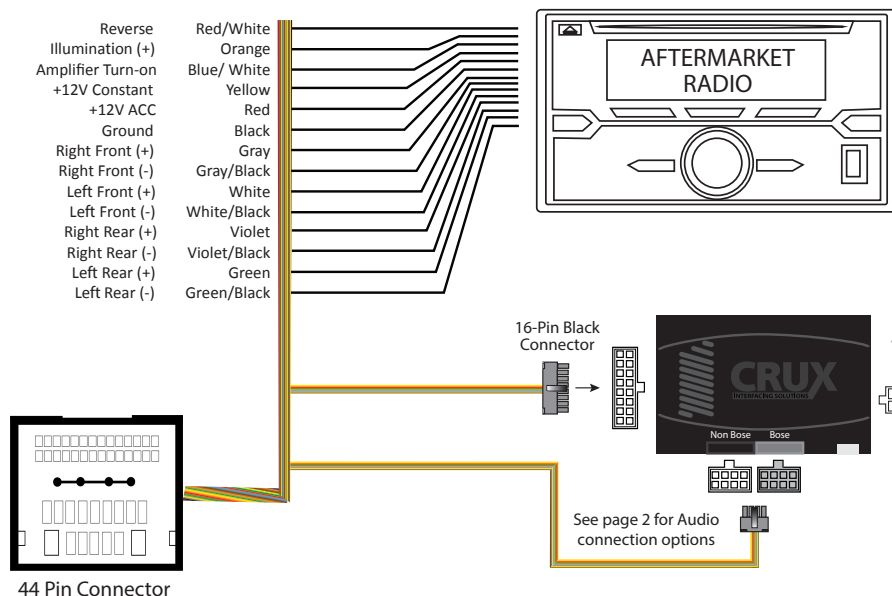


ANTENNA ADAPTER



BACKUP CAMERA &  
RSE RETENTION HARNESS

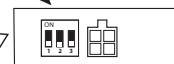
## INSTALLATION DIAGRAM:



## 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

AFTERMARKET  
RADIO SELECTOR  
(See Chart)

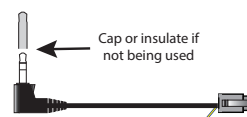


3.5MM SWC CABLES (Option A or B)

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.



Option B:



Cap or insulate if not being used

Insulate with tape if not being used

Option A:



## 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.

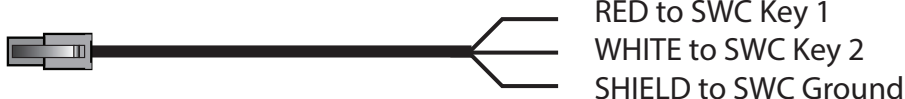
### 4-PIN SWC CABLE

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 (option B) and connect the SWC wires as follows:

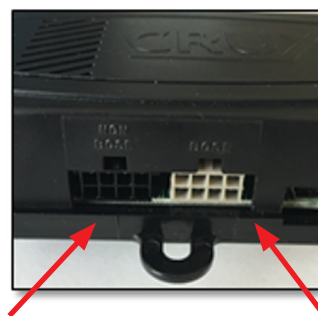


Note that there are some radios that only have SWC1 and SWC2, in this case "shield" does not need to be connected.

## SELECTING THE AUDIO SYSTEM:

If the vehicle is equipped with an amplified audio system, the SWRGM-49A 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-49A harness to the GRAY female 8-pin connector on the SWRGM-49A 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-49A module.



NON BOSE  
(Non-Amplified)  
Connection

BOSE  
(Amplified)  
Connection



## CHIME VOLUME ADJUSTMENT:

The SWRGM-49A 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



## BACKUP CAMERA CONNECTION:

You can retain the factory back-up camera by using the CRUX 2444 harness included in the kit.

1. Connect the 20-pin back-up camera harness to the vehicle's 16-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.



## VEHICLE APPLICATIONS:

### CHEVROLET

2012-2013	Avalanche
2012-2014	Silverado 1500-3500 Pickup
2012-2014	Suburban
2012-2014	Tahoe

### GMC

2012-2013	Sierra 1500-3500 Pickup
2012-2014	Yukon

## NOTES:

1. NOT compatible with Express and Savana vans that are powered by a diesel engine.
2. Supports Rear Entertainment System with special order harness #2444A
3. DOES NOT retain ONSTAR please use part SOOGM-16W to retain Onstar.
4. If Dask Kit complete packaged kit is required purchase DKGM-49A.

