

## PRODUCT FEATURES:

- Retains factory features in select Nissan vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Medium Speed CAN-Data Bus Steering Wheel Controls.
- Includes antenna adapter.
- Retains Bose Amplified system.
- Retains factory auxiliary input
- Retains factory camera (not 360 panoramic camera)
- Retains factory USB input
- Provides Reverse Gear Output

## PARTS INCLUDED:



SWRNS-63S MODULE



SWRNS-63S Harness



Antenna Adapter



SWC Cables

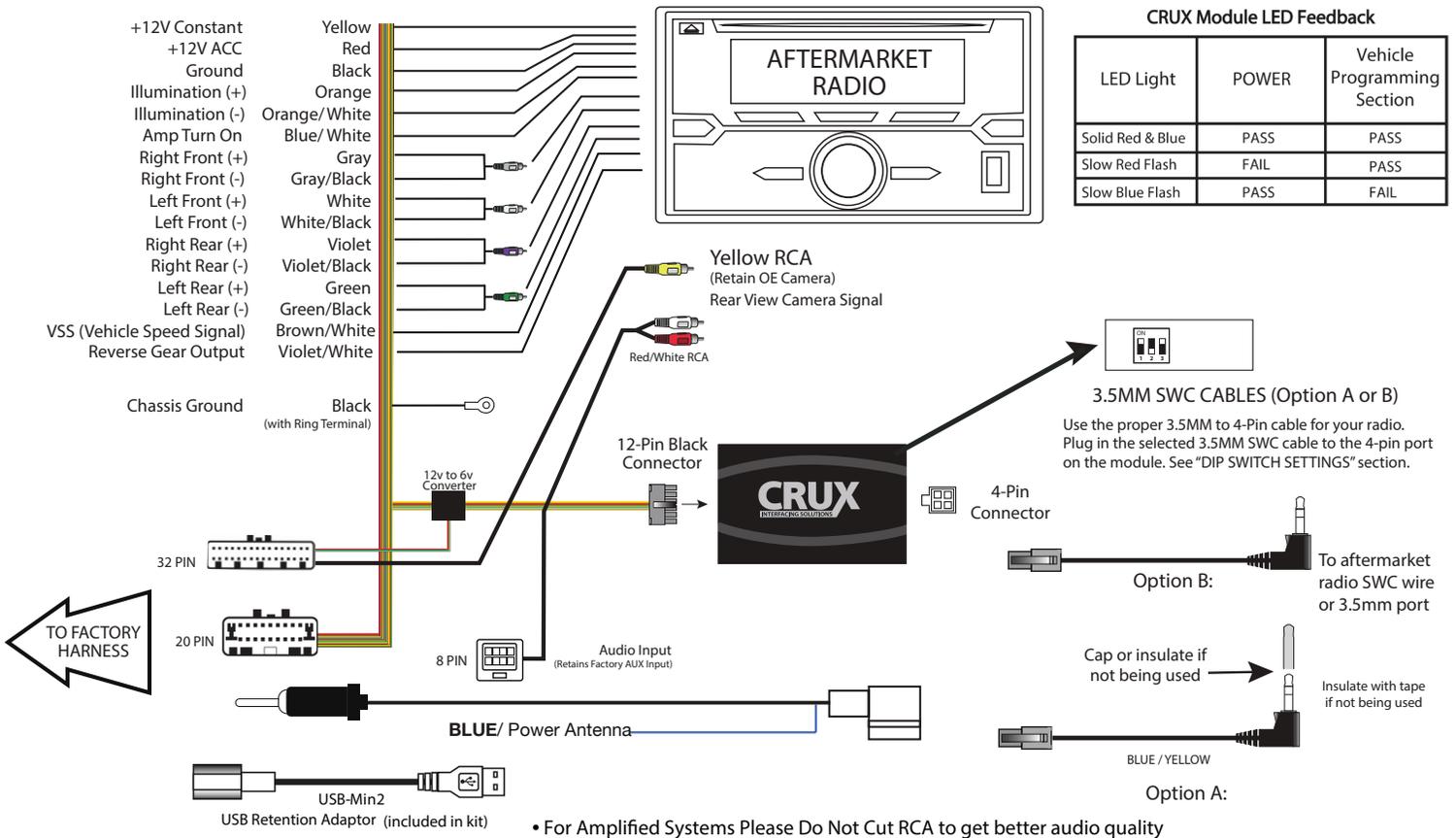


USB Retention Cable

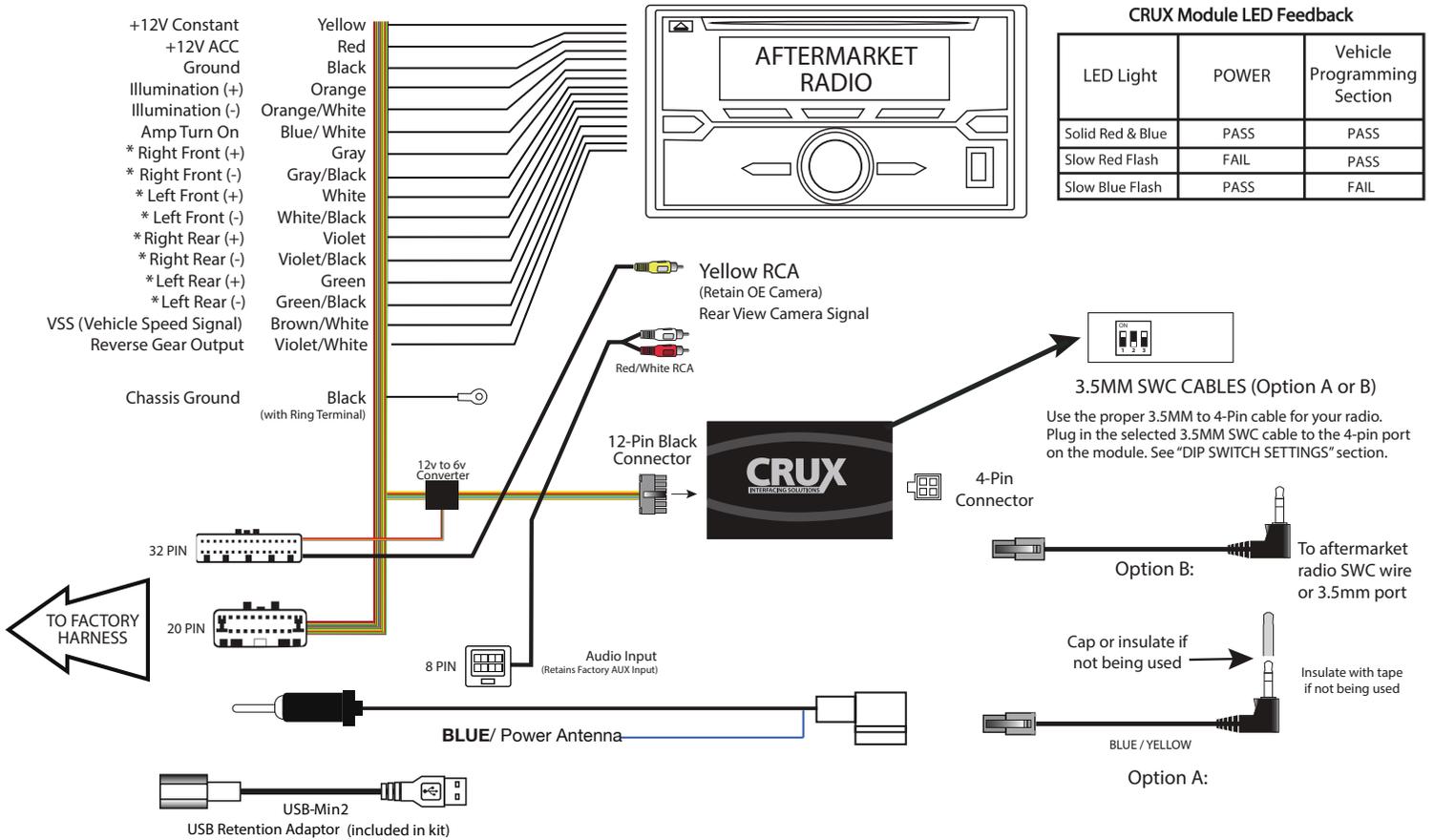


Optional Acc wire

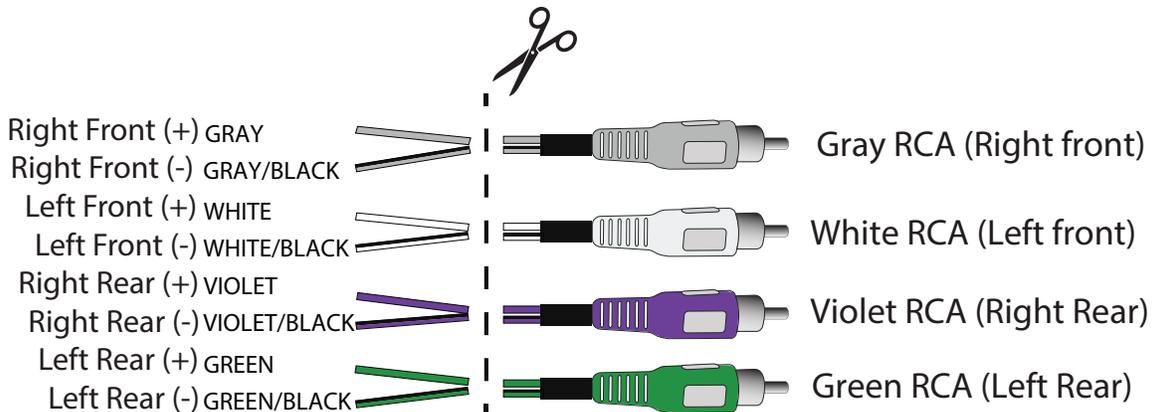
## INSTALLATION DIAGRAM FOR AMPLIFIED VEHICLES:



## INSTALLATION DIAGRAM FOR NON-AMPLIFIED VEHICLES:



\* For Non-Amplified systems please cut RCA , and mate colored wires to the appropriate aftermarket radio speaker wires



**DIP SWITCH SETTINGS:**

**AFTERMARKET RADIO DIP SWITCH SETTINGS:**

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

SWC MODULE  
DIP SWITCH



**SWC Troubleshoot 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.

**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, 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.



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

**VEHICLE APPLICATIONS:**

Compatible Nissan Vehicles

**NISSAN**

- 2013-2017 Altima w/ Bose w/o Nav
- 2013-2017 Altima w/o Bose w/o Nav →
- 2014-2016 Rogue w/ Bose w/o Nav
- 2014-2016 Rogue w/o Bose w/o Nav
- 2015-2017 Murano Base w/ Display audio
- 2017-2018 Sentra w/o Bose, w/o Nav, →
- & w/o Carplay
- 2014-2019 Versa w/o Nav

\*2017-2018 Sentra Base model use: CRUX SWRNS-63U (Analog SWC)



**NOTE:** Some SWC functions might not be retained for the following radio series:  
Planet Audio P9900CPA, Jensen CAR 710, Atoto F7, and similar radios of these brands.



**STEERING WHEEL CONTROL TROUBLE SHOOTING:**

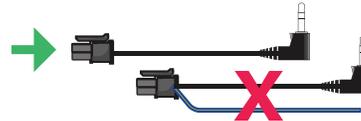
**Note:** Identify Alpine SWC learning radios by checking for three SWC cables and a SWC learn menu, instead of a 3.5mm SWC input.

**If Interface has one SWR-100 Cable included**

**If Interface has two SWR Cables included**

1 - Find the included SWC adapter cable.

1 - Identify appropriate SWC adapter cable.  
Do not use cable with Blue / Yellow wire.



2 - Prepare the SWC Cable: Cut the SWC cable. You will find a red wire, a white wire, and a ground (shield) wire inside.



3 - Adjust the Module Settings: Set the module to the Pioneer dip switch setting. This configures the module to communicate correctly with the Alpine radio.

DIP: 1 2 3  
On Alpine iLX series radios use Pioneer settings | OFF | ON | ON |



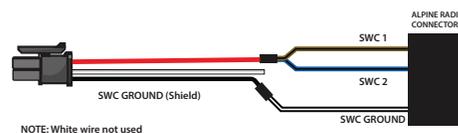
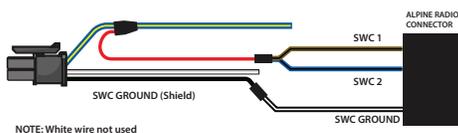
4 - Configure the Alpine Radio: On your Alpine radio, select the setting that includes "Without adapter" for SWC. This ensures the radio will recognize the steering wheel controls.

Select "SWC Adapter"



Select the setting "Without Adapter"

5 - Connect the Wires: Connect both the SWC1 and SWC2 wires from aftermarket radio to the red wire from our SWC cable. Connect the SWC ground wire to the shield (ground) wire of our SWC cable. These steps should enable the steering wheel controls on your Alpine iLX series radio.

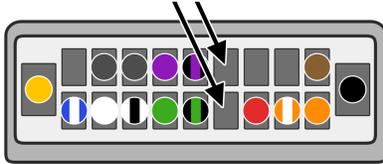


6. Program the SWC: Navigate to the SWC settings on your Alpine radio to assign and test each control function.



## HOW TO DETERMINE IF YOU HAVE ANALOG OR CAN SWC

IF THESE TWO WIRE ARE POPULATED ON THE FACTORY 20 PIN CONNECTOR, THEN SWC ARE ANALOG AND NOT RETAINED VIA CAN-BUS, PLEASE ORDER THE ANALOG SWC RETENTION PART #SWRNS-63U



CRUX 20-PIN CONNECTOR WIRE SIDE

NOTE: If populated wire will be seen on the factory side.

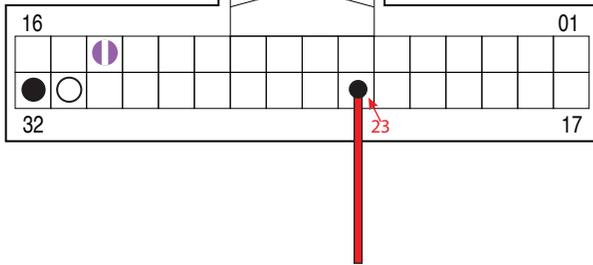
## ALTERNATIVE ACCESSORY POWER TROUBLE SHOOTING:

Note: If you are experiencing issues with accessory power from the module, connect the provided alternative power wire to the CRUX connector and then to the aftermarket radio



### Crux Female Connector Viewed from Wire Side

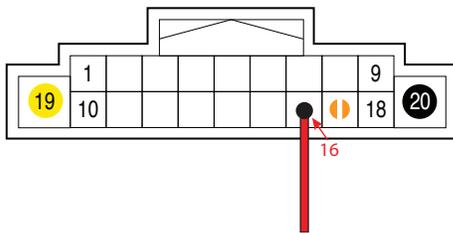
32 Pin Connector



#### For Vehicles with PUSH START ignition

Attach the provided red wire to pin 23 on the CRUX 32-pin connector.

20 Pin Connector



#### For Vehicles with STANDARD KEY

Attach the provided red wire to pin 16 on the CRUX 20-pin connector.

### Crux Female Connector Viewed from Wire Side

