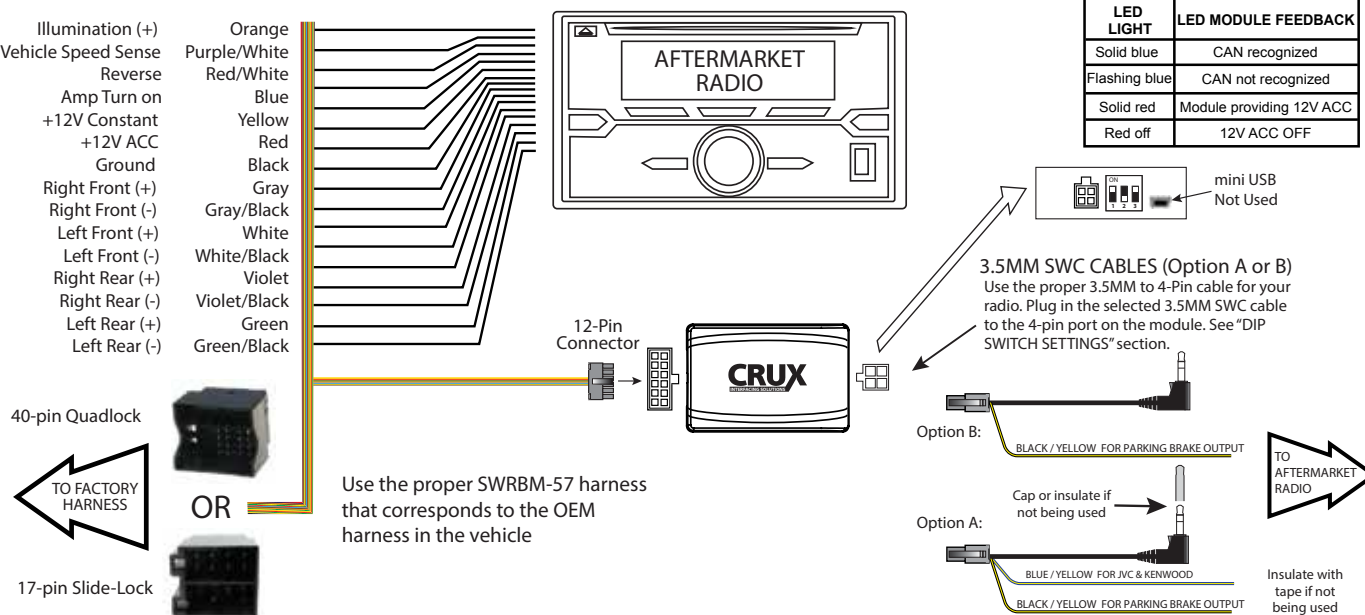


- Retains factory-installed amplified systems (non fiber optic amps only)
- Retains Steering Wheel Controls via built-in, pre-programmed interface
- Reverse gear, Illumination and Speed signal outputs
- Provides 12V Accessory Power Output (2A MAX)
- Includes BOTH Quadlock and ISO harnesses



ISO Harness

Illumination (+)	Orange
Vehicle Speed Sense	Purple/White
Reverse	Red/White
Amp Turn on	Blue
+12V Constant	Yellow
+12V ACC	Red
Ground	Black
Right Front (+)	Gray
Right Front (-)	Gray/Black
Left Front (+)	White
Left Front (-)	White/Black
Right Rear (+)	Violet
Right Rear (-)	Violet/Black
Left Rear (+)	Green
Left Rear (-)	Green/Black



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.

Option B:

Cap or insulate if

BLUE / YELLOW FOR JVC & KENWOOD  
BLACK / YELLOW FOR PARKING BRAKE OUTPUT

Insulate with  
tape if not  
being used



### 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



#### 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, 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.

#### 3.5MM SWC CABLE

Plug in the 3.5MM to 4-Pin SWC cable to the SWC module or use the Blue/White wire for JVC and Kenwood.

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.



### VEHICLE APPLICATIONS:

#### TYPE A: 40 Pin Quadlock Connector

##### BMW

- 2007 – 2013 1 Series (E81/82/87/88)
- 2006 3 Series (E90/91) Sedan/Wagon
- 2007 – 2012 3 Series (E90/91/92/93)

##### MERCEDES BENZ

- 2004 – 2010 A Class (W169) with Quadlock
- 2004 – 2010 B Class (W245) with Quadlock
- 2007 – 2014 C Class (W204)
- 2005 – 2006 C Class (W203)
- 2005 – 2009 CLK Class (W209)
- 2004 – 2010 CLS Class (W219)
- 2010 – 2017 E Coupe (W207)
- 2009 – 2012 E Class (W212)
- 2005 – 2011 M Class (W164)
- 2016 Metris (W447)
- 2006 – 2011 R Class (W251)
- 2004 – 2008 SLK (R171) Non Fiber-Optic
- 2009 – 2011 SLK (R171)
- 2014 – 2018 Sprinter (W906)\*
- 2019 – 2020 Sprinter(W907/W910)



#### TYPE B: ISO Connectors

##### MERCEDES BENZ

- 2004 – 2010 A Class (W169) with Audio5
- 2004 – 2010 B Class (W245) with Audio5
- 2000 – 2004 C Class (W203)
- 1999 – 2002 CLK Class (W208)
- 2003 – 2004 CLK (W209)
- 1999 – 2000 E Class (W210)
- 2001 – 2002 E Class (W211)
- 2001 – 2004 SL Class (R230)



##### MINI

- 2013 Cooper S

##### PORSCHE\*\*

- 2004 – 2011 911
- 2004 – 2016 Boxster
- 2004 – 2012 Cayman
- 2010 – 2016 Panamera

\*To retain the factory Sprinter camera after replacing the radio, use Crux part# FAK-RCAM (sold separately)

\*\* Does not retain fiber optic amplifier.



### STEERING WHEEL CONTROL TROUBLE SHOOTING:

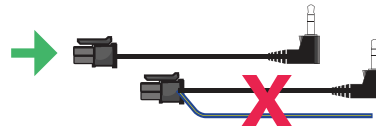
**Note:** Identify Alpine SWC learning radios by checking for three SWC cables and a SWC learn menu, instead of a 3.5mm SWC input.

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

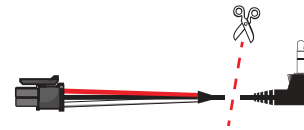
#### If Interface has two SWR Cables included

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.

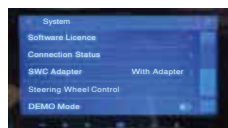
On Alpine iLX series radios use Pioneer settings

DIP:	1	2	3
	OFF	ON	ON



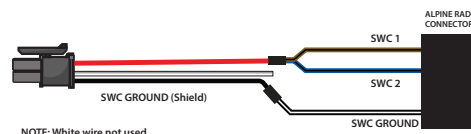
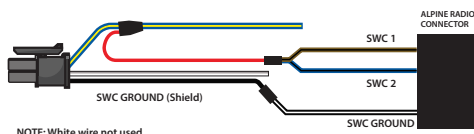
4 - **Configure the Alpine Radio:** On your Alpine radio, select the setting that includes "Without adapter" for SWC. This ensures the radio will recognize the steering wheel controls.

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.

