

### PRODUCT FEATURES:

- 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

### PARTS INCLUDED:



SWRBM-57 MODULE



SWC Cables

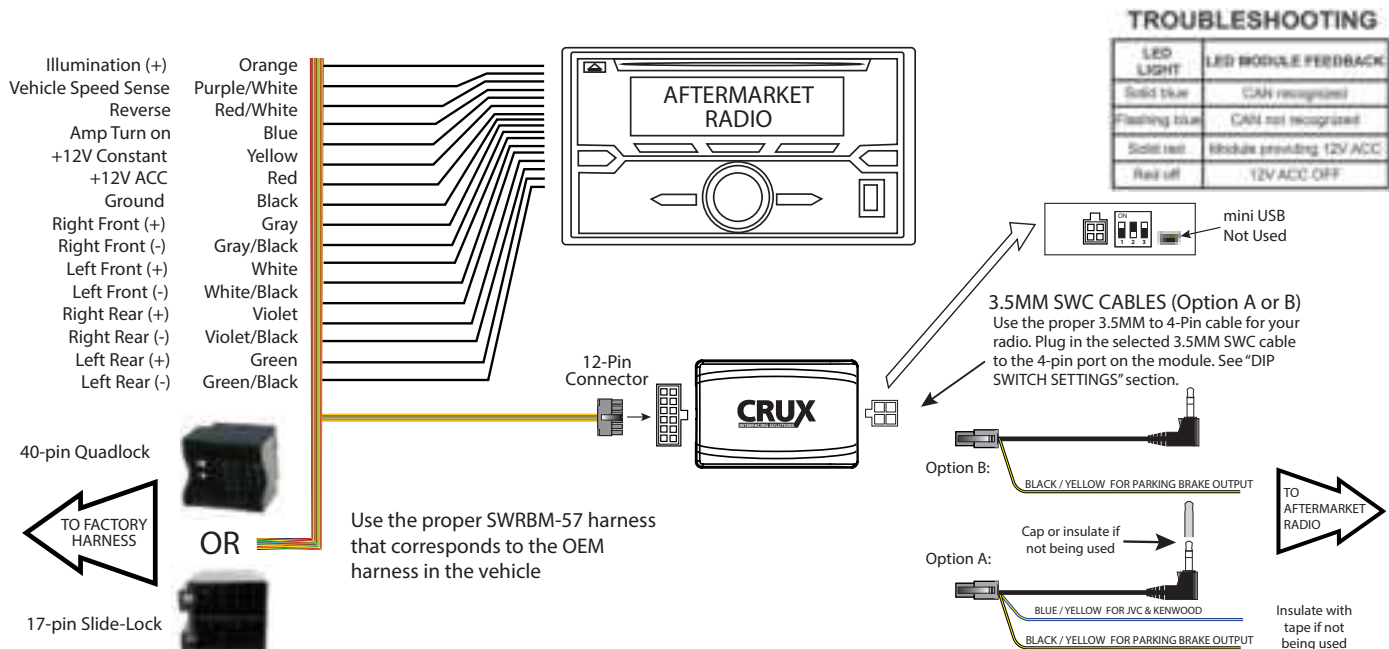


40-Pin Quadlock Harness



ISO 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

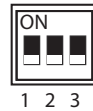


### DIP SWITCH SETTINGS:

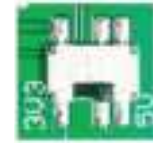
#### AFTERMARKET RADIO DIP SWITCH SETTINGS:

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.



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

### 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)



##### MINI

2013 Cooper S

##### PORSCHE\*\*

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

#### 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)



\*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:

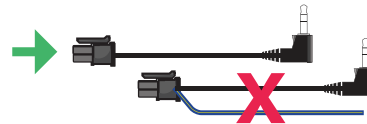
**Note:** Identify Alpine SWC learning radios by checking for three SWC cables and a SWC learn menu, instead of a 3.5mm SWC input.

#### 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.

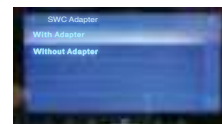
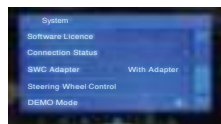
On Alpine iLX series radios use Pioneer settings

DIP:	1	2	3
	OFF	ON	ON



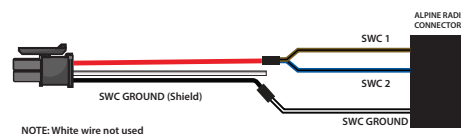
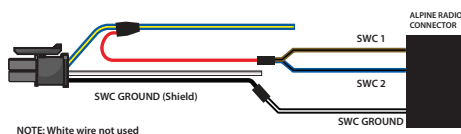
4 - Configure the Alpine Radio: On your Alpine radio, select the setting that includes an adapter for SWC. This ensures the radio will recognize the steering wheel controls.

Select "SWC Adapter"



Select the setting "With 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.

