

PRODUCT FEATURES:

- Retains factory features in select BMW vehicles with I/K-Line Bus while functioning with an aftermarket radio.
- Does not support amplified systems with factory DSP.
- EIA color coded wiring for easy installation.

PARTS INCLUDED:



SWRBM-57K MODULE



SWC Cable

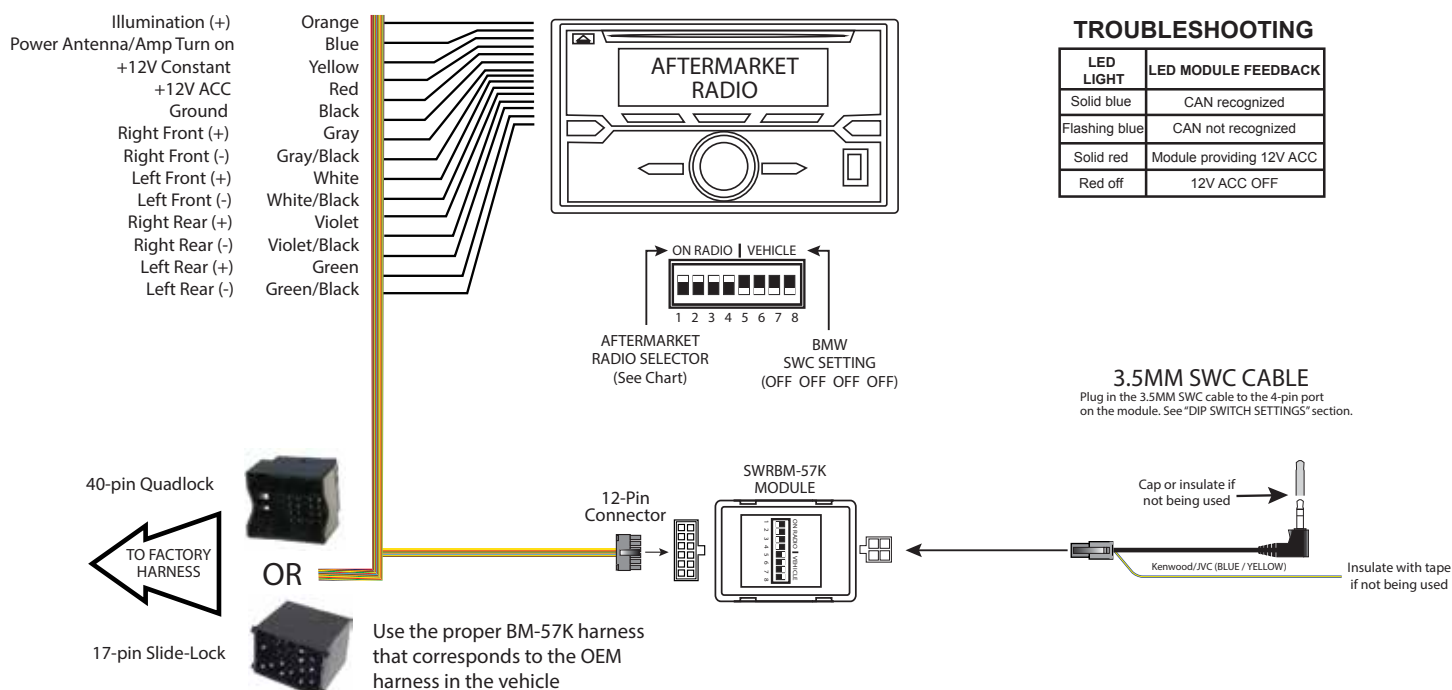


40-Pin Quadlock Harness



17-Pin Slide-Lock Harness

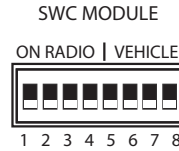
INSTALLATION DIAGRAM:



DIP SWITCH SETTINGS:

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP:	1	2	3	4
Atoto, Dual, Farenheit, Jensen, Pioneer		OFF	OFF	ON	ON
Power Acoustik, Soundstream		OFF	OFF	ON	ON
Blaupunkt, Most off-brand Radios		OFF	OFF	ON	ON
Alpine		OFF	OFF	OFF	OFF
Clarion		OFF	ON	ON	OFF
Kenwood		OFF	ON	ON	ON
JVC		OFF	ON	OFF	ON
Boss, Old Sony		OFF	ON	OFF	OFF
New Sony		OFF	OFF	ON	OFF



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, Power Acoustik, Soundstream, and most off-brand radios, radios, check the aftermarket radio's manual to see if the SWC buttons need to be programmed.

BMW STEERING WHEEL CONTROL DIP SWITCH SETTING:

	DIP:	5	6	7	8
BMW		OFF	OFF	OFF	OFF



3.5MM SWC CABLE

Plug in the 3.5MM to 4-Pin SWC cable to the SWC module.

NOTE: Insulate the Blue/Yellow wire or 3.5mm plug 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.



VEHICLE APPLICATIONS:

BMW

TYPE A: 17-PIN SLIDE-LOCK CONNECTOR APPLICATIONS

(I-Bus Slide-Lock 17 Pin Round Connector)

1990 – 1998	3 Series (E36)	2000 – 2001	X5
1998 – 2005	3 Series (E46) Sedan/Wagon	1996 – 2002	Z3
1998 – 2006	3 Series (E46) Coupe/Convertible	2001 – 2002	Z8
1995 – 2000	5 Series (E39)	1999 – 2002	M
1990 – 1998	7 Series (E38)	1999 – 2002	M
2004 – 2006	X3		



TYPE B: 40-PIN QUAD-LOCK CONNECTOR APPLICATIONS


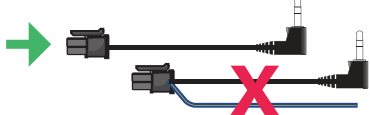


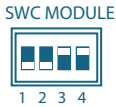

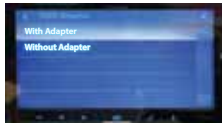
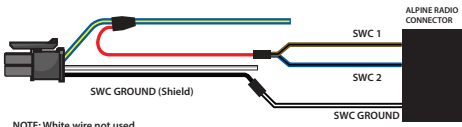
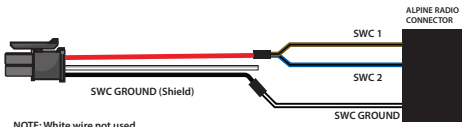
(I-Bus QuadLock 40 Pin Connector)

2001 – 2004	Compact (E46)	2004 – 2007	X3
2001 – 2003	5 Series (E39)	2002 – 2006	X5
1994 – 2001	7 Series (E38)	2003 – 2008	Z4
		2001 – 2005	Mini



DIP SWITCH SETTINGS:

Note: Identify Alpine iLX series 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				
<p>1 - Find the included SWC adapter cable.</p>	<p>1 - Identify appropriate SWC adapter cable. Do not use cable with Blue / Yellow wire.</p>				
					
<p>2 - Prepare the SWC Cable: Cut the SWC cable. You will find a red wire, a white wire, and a ground (shield) wire inside.</p>					
					
<p>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.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> <p>DIP: 1 2 3 4</p> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px 10px;">OFF</td> <td style="padding: 2px 10px;">OFF</td> <td style="padding: 2px 10px;">ON</td> <td style="padding: 2px 10px;">ON</td> </tr> </table> <p>On Alpine iLX series radios use Pioneer settings</p> </div> <div style="margin-left: 20px;">  <p>SWC MODULE 1 2 3 4</p> </div> </div>		OFF	OFF	ON	ON
OFF	OFF	ON	ON		
<p>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.</p> <div style="display: flex; align-items: center; justify-content: center;">  →  </div>					
<p>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.</p>					
 <p>NOTE: White wire not used</p>	 <p>NOTE: White wire not used</p>				
<p>6. Program the SWC: Navigate to the SWC settings on your Alpine radio to assign and test each control function.</p>					

