

PRODUCT FEATURES:

- Retains select factory features in select Subaru vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls.
- Retains StarLink functionality.
- Retains factory Auxiliary Input.
- Retains factory backup camera (see note on diagram below).
- Includes antenna adapter.
- Retains Harman Kardon amplifier

PARTS INCLUDED:



SWRSU-38E Module



SU-38E Harness

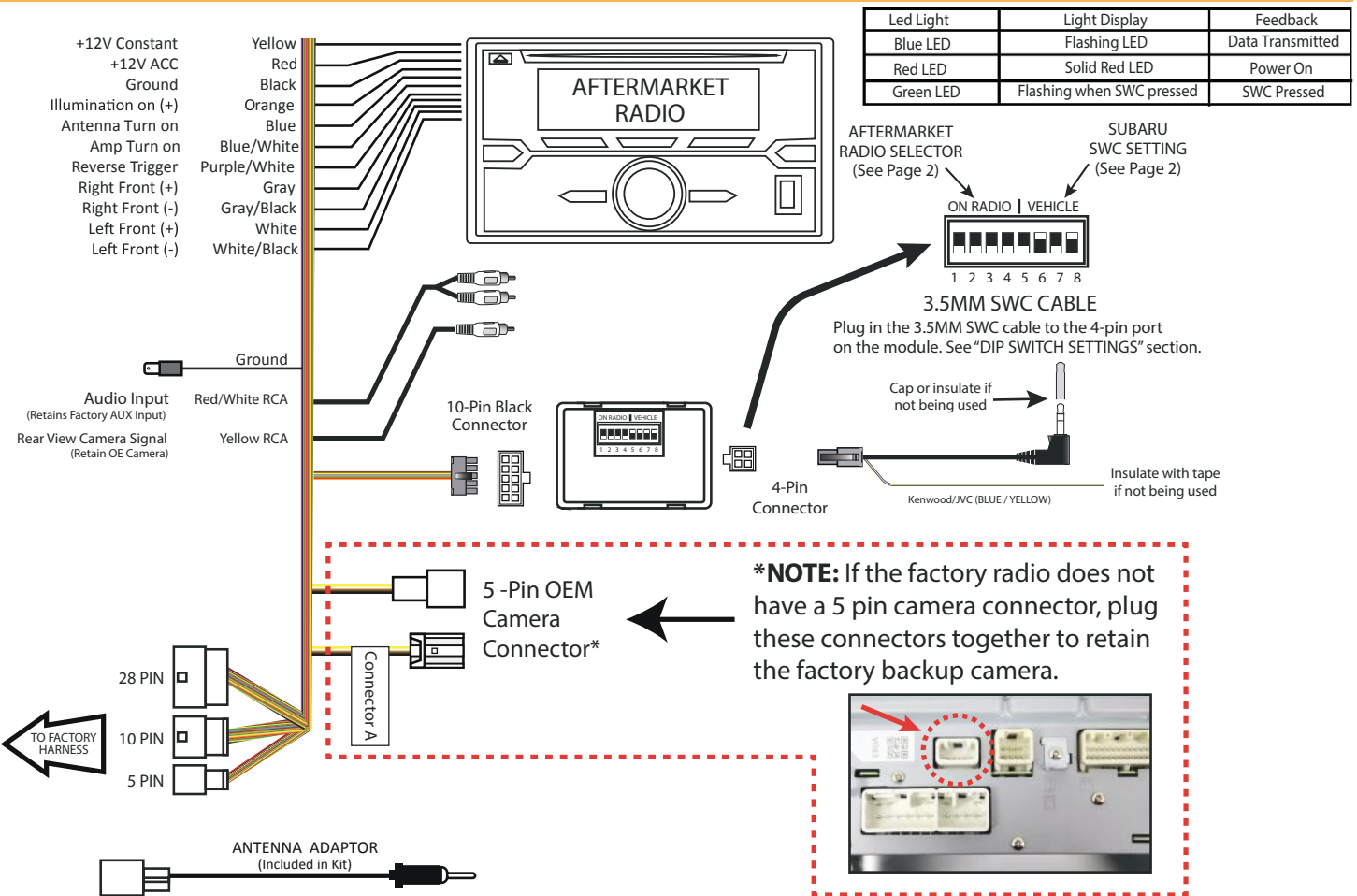


Antenna Adapter



3.5MM to 4-pin SWC Cables

INSTALLATION DIAGRAM:



STARLINK RETENTION:

To retain Starlink, separate the Starlink module from the radio and reconnect the harness and antenna connectors to the module. Stuff the Starlink module back into the dash and secure it with zip ties or tape to prevent it from rattling.

NOTE: The front speaker audio will be lost if the StarLink module is removed from the system.

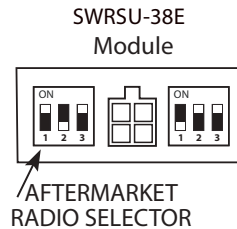


DIP SWITCH SETTINGS:


SETTING THE AFTERMARKET RADIO BRAND

This step is done on the SWRSU-38E Module. With the key in the off position, set the DIP switches to the corresponding radio listed below.

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

- Some Blaupunkt use DIP Switch setting OFF ON OFF

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. For JVC and KENWOOD use the Blue/Yellow wire.
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 and connect the SWC wires as follows:



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

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

VEHICLE SETTING AND GAIN ADJUSTMENTS:

SELECTING VEHICLE TYPE

Please set pin 1 to the ON position for SUBARU vehicles

SWRSU-38E
MODULE



VEHICLE
SETTING

GAIN
ADJUSTMENT

Use the gain adjustment to level match the aftermarket radio audio output with the OE amplifier input.

DIP SETTING	dB	Volts
Position 2 3		
OFF OFF	0 dB	+0mV
OFF ON	3.5 dB	+9mV
ON OFF	9.1 dB	+18mV
ON ON	12.9 dB	+27mV

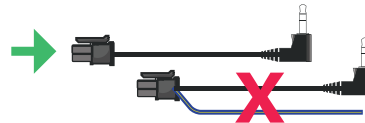


STEERING WHEEL CONTROL BUTTON FUNCTIONS:

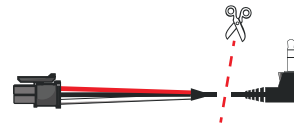
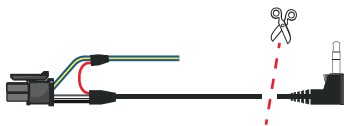
Note: Identify Alpine SWC learning radios by checking for three SWC cables and a SWC learn menu, instead of a 3.5mm SWC input.

If Interface has one SWR-100 Cable included	If Interface has two SWR Cables included
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1 - Find the included SWC adapter cable.	1 - Identify appropriate SWC adapter cable. Do not use cable with Blue / Yellow wire.
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2 - Prepare the SWC Cable: Cut the SWC cable. You will find a red wire, a white wire, and a ground (shield) wire inside.	
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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.	
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On Alpine iLX series radios use Pioneer settings

DIP: 1	2	3	4
OFF	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.	
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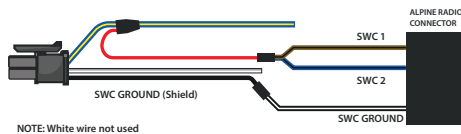
Select "SWC Adapter"



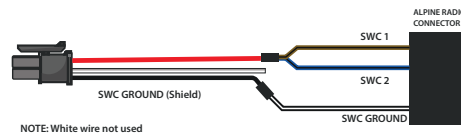
Select the setting "With Adapter"



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.	
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NOTE: White wire not used



NOTE: White wire not used

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

SUBARU

2015 - 2017 Forester w/ Harman Kardon Amplifier

2015 - 2017 Legacy w/ Harman Kardon Amplifier

2015 - 2017 Outback w/ Harman Kardon Amplifier

NOTE: = Phone pick up and hang up buttons will be reversed.

Radio Compatibility:

Compatible Radio



NOT COMPATIBLE



NOTE* You will need to look at the buttons on your radio. Please see above and match.

