



SWRSU-38E

Radio Replacement with Steering Wheel Control Retention for
Select Amplified 2015 - 2017 Subaru Vehicles

PRODUCT MANUAL
VER.071526

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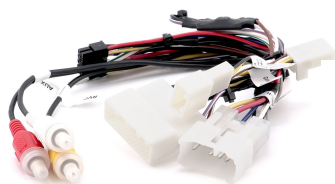
PRODUCT FEATURES:

- Retains 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



SWRSU-38E Harness

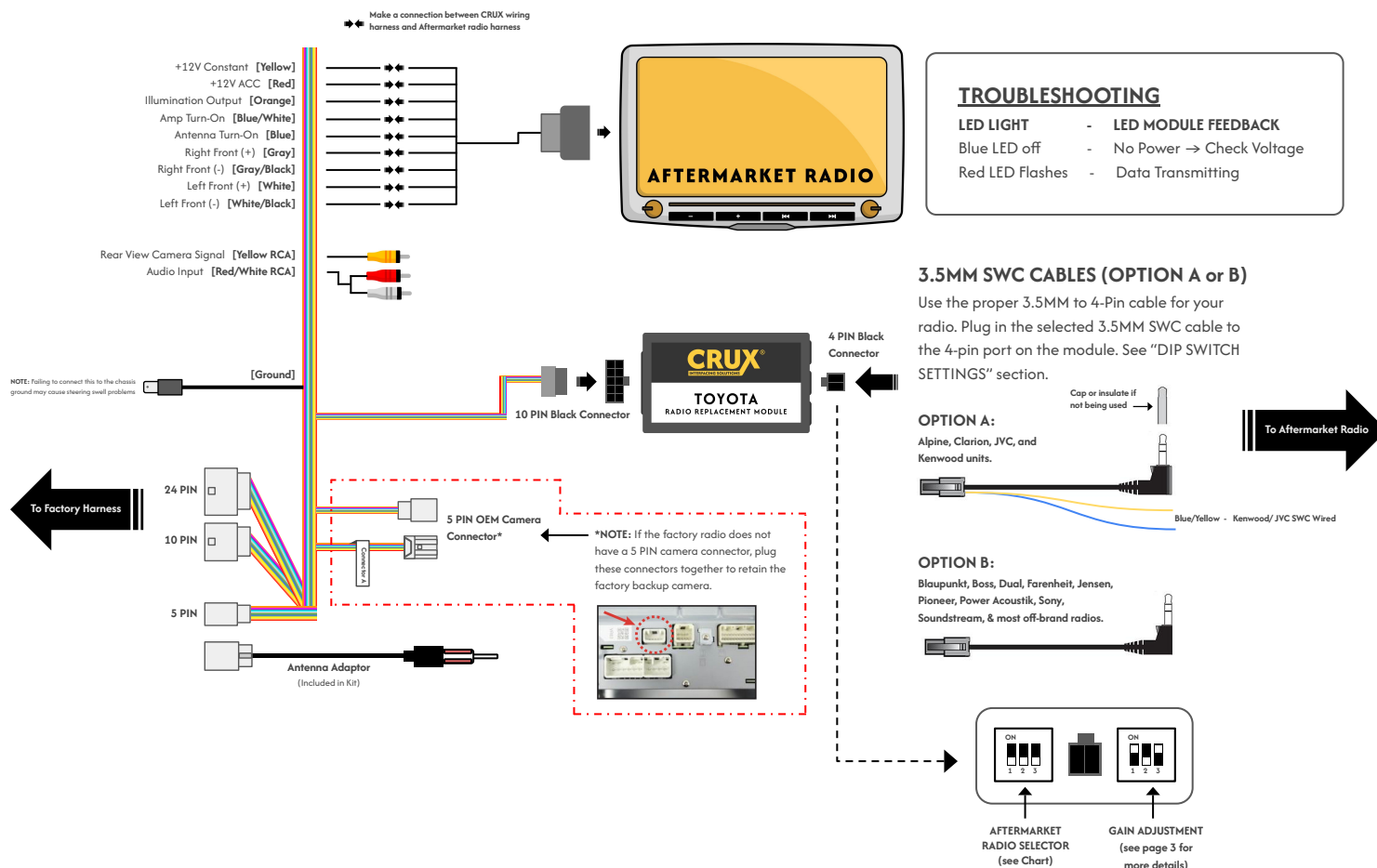


Antenna Adapter



SWC Cable

INSTALLATION DIAGRAM:



DIP SWITCH SETTINGS:

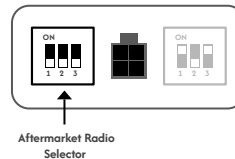
AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP#:	1	2	3
Atoto, Dual, Fahrenheit, Jensen, Nakamichi		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 (with CarPlay)		OFF	ON	OFF
New BOSS		OFF	OFF	ON

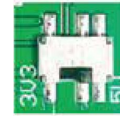
NOTE:

For Atoto, Blaupunkt, Dual, Fahrenheit, 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.

* For new BOSS radios, make sure the hardware software version is SW 3.1.3. If not, please go to our website and flash/update the module.



SWC TROUBLESHOOTING 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.



**SCAN TO VIEW
MICRO SWITCH
LOCATION**

- Certain Pioneer and Boss radios will need this micro-switch flipped in order to get the steering wheel buttons to work if the DIP Switch settings don't work.

- Some Boss radios volume will max out when turning vehicle off if the micro-switch is set to 5v.

- This module has different board layouts for different harnesses. Same micro-switch though.

3.5MM SWC CABLES

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.

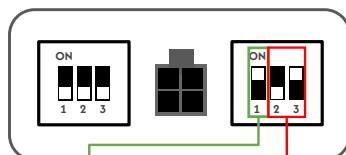


VEHICLE SETTING AND GAIN ADJUSTMENTS:

SELECTING VEHICLE SETTINGS

Please set PIN 1 to the ON ↑ position.

Please set PIN 1 to the OFF ↓ position, for Subaru SWC Protocol 2 for select WRX/STi applications.



Vehicle Settings

Gain Adjustment

Use the **GAIN ADJUSTMENT** to level match the aftermarket radio output with the oe amplifier input.

DIP SETTINGS			dB	Volts
1	2	3		
Vehicle Settings	OFF	OFF	0 dB	+0mV
Vehicle Settings	OFF	ON	3.5 dB	+9mV
Vehicle Settings	ON	OFF	9.1 dB	+18mV
Vehicle Settings	ON	ON	12.9 dB	+27mV

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.



VEHICLE APPLICATIONS:

YEARS	MODEL
2016 - 2017	Forester w/ Harman Kardon Amplifier
2015 - 2017	Legacy w/ Harman Kardon Amplifier
2015 - 2017	Outback w/ Harman Kardon Amplifier
2016 - 2018	WRX/STi w/ Harman Kardon Amplifier

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

The 2015 Forester model equipped with the factory Harman Kardon sound system still uses an analog amplifier with 4-channel audio input. Therefore, this interface will NOT work. Use SWRSU-38C.

RADIO COMPATIBILITY:

Compatible Radio



NOT Compatible Radio



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