



---

## SWRHN-62CV

Radio Replacement with SWC & Multi-angle Backup & Lane Watch Camera  
Retention for Select HONDA Vehicles 2012-2020

---

**PRODUCT MANUAL**  
**VER.042826**

---

## CONTACT

**ADDRESS:**

**CRUX Interfacing Solutions**  
21541 Nordhoff St. Unit C,  
Chatsworth, CA 91311

**PHONE:**

(818) 609-9299

**E-MAIL:**

support@cruxinterfacing.com  
sales@cruxinterfacing.com

**WEBSITE:**

[www.cruxinterfacing.com](http://www.cruxinterfacing.com)

## **PRODUCT FEATURES:**

- Retains factory features in select Honda vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls.
- Provides navigational outputs: Reverse, Illumination, Parking Brake, Vehicle Speed Sense & Lanewatch Camera Outputs.
- Retains factory Multi-Angle Rear View Camera & Lanewatch Camera, & Auxiliary Input.
- Includes antenna adapter & USB retention cable.

## **NOTES:**

1. Supports both Amplified & Non-amplified vehicles.
2. Does not retain Rear Seat Entertainment system (RSE).
3. Includes Crux Video Switcher to Lanewatch and rear view camera retention.
4. If vehicle does not have Lanewatch camera interface can still be used

## **PARTS INCLUDED:**



**SWRHN-62CV Harness &  
Video Switcher**



**SWRHN-62CV Module**



**Antenna Adapter**



**SWC Cable**

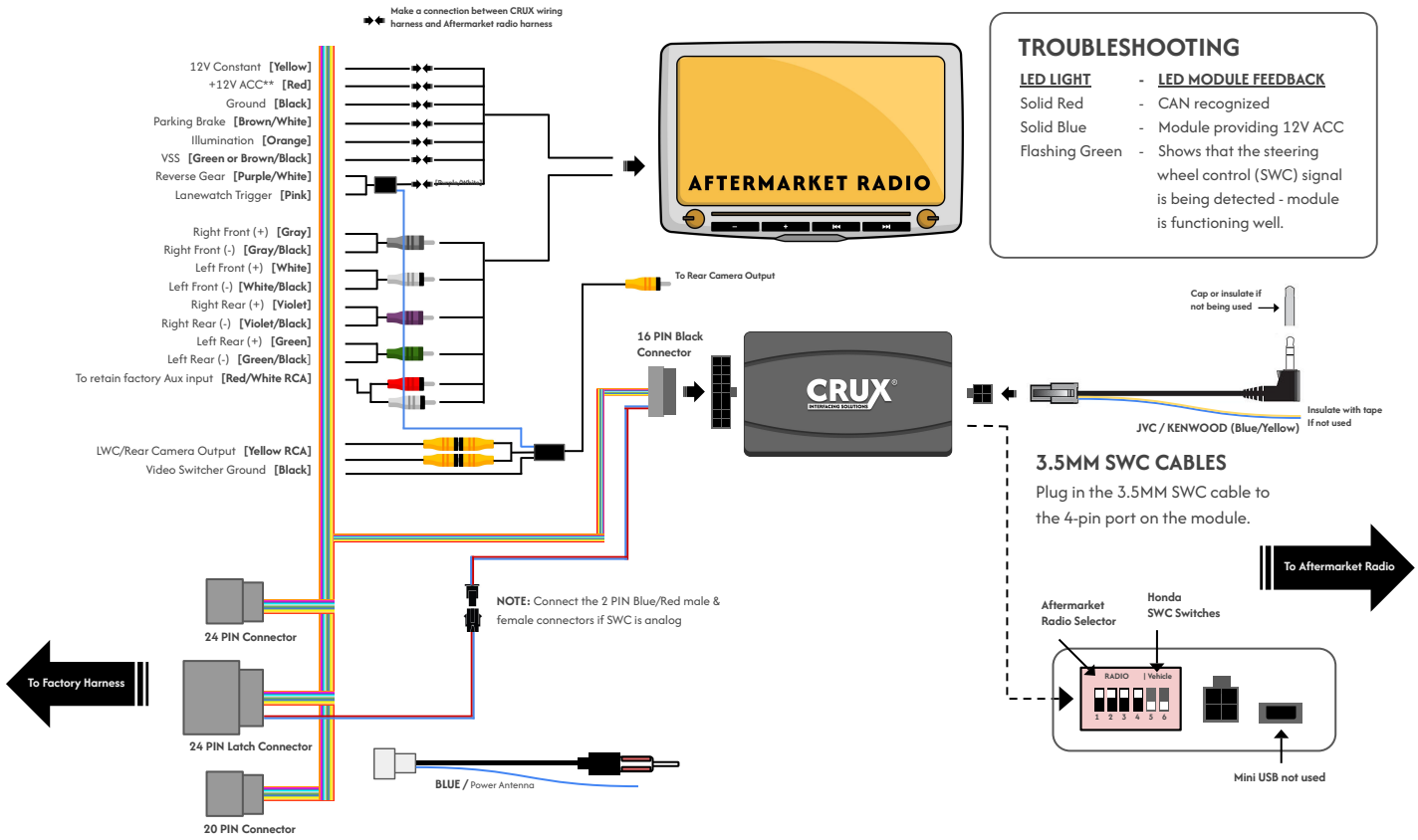


**USB Cable**



**Subwoofer RCA**

## INSTALLATION DIAGRAM FOR AMPLIFIED VEHICLES:

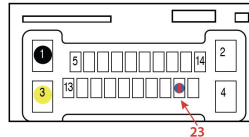


**NOTE:**

- If the aftermarket radio has limited RCA outputs, a 1 male to 2 female (1M2F) RCA splitter may be required.
- Please reference page 5 to connect the appropriate ignition wire.
- Please reference below for more info on SWC analog connections.

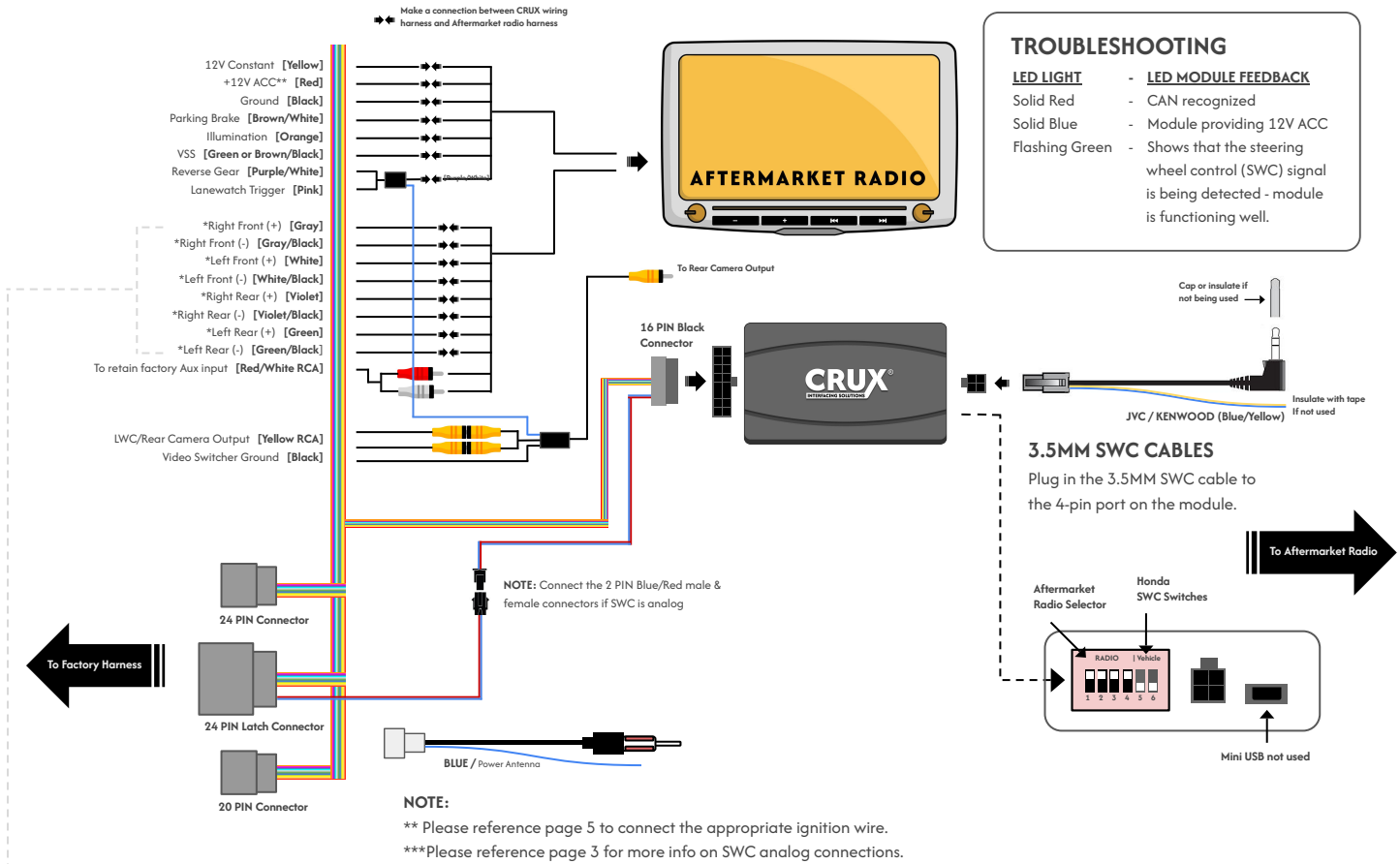
### HOW TO DETERMINE IF THE VEHICLE HAS ANALOG SWC:

Analog Steering Wheel Control (SWC) signal vehicles will have wires populated and line up to the Blue/Red wire on the 24-PIN Crux connector. If this applies for your vehicle, connect the 2 PIN Blue/Red male & female connectors.

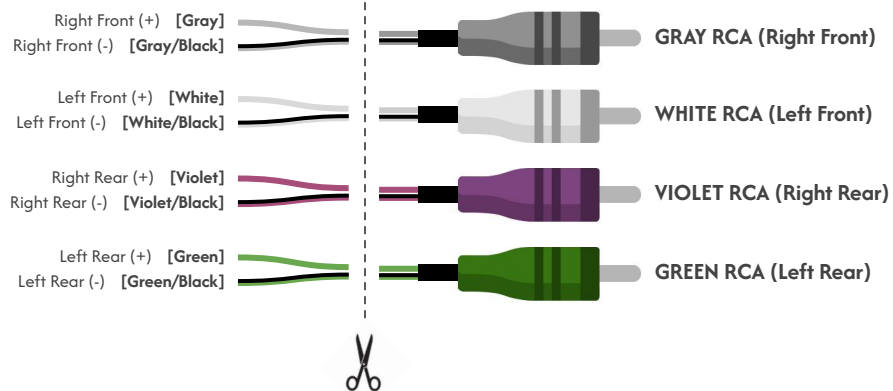


**EXAMPLE: 2016 HR-V with Display Audio Type 7" and Audio-NAV.**

## INSTALLATION DIAGRAM FOR NON-AMPLIFIED VEHICLES:



\*For Non-Amplified systems please cut RCA, and mate colored wires to the appropriate aftermarket radio speaker wires

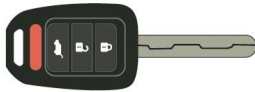


## ALTERNATIVE ACCESSORY POWER TROUBLESHOOTING:

*NOTE: If you are experiencing issues with accessory power from the module, connect the provided alternative power wire to the CRUX connector and then to the aftermarket radio.*

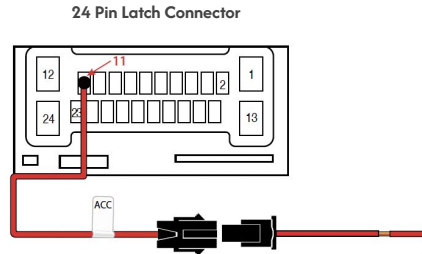


### HARNESS VIEW



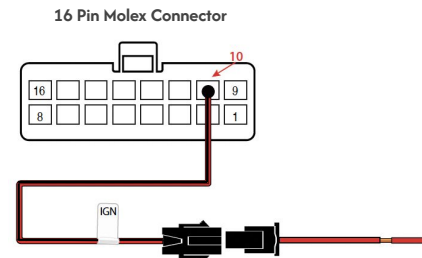
#### For Vehicles with STANDARD KEY

If your vehicle uses a regular key, connect the red accessory wire using the 2-pin female Molex connector to the matching 2-pin male Molex connector as shown in the diagram, then connect the wire to the aftermarket radio.



#### For Vehicles with PUSH START ignition

If your vehicle has a push-start button, connect the red/black Ignition IGN wire using the 2-pin female Molex connector to the matching 2-pin male Molex connector as shown in the diagram, then connect the wire to the aftermarket radio.



## DIP SWITCH SETTINGS:

### AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP#:	1	2	3	4
Atoto, Dual, Fahrenheit, Jensen, Nakamichi		OFF	OFF	ON	ON
Pioneer, Power Acoustik, Soundstream		OFF	OFF	ON	ON
Blaupunkt, Most off-brand Radio		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 (with CarPlay)		OFF	OFF	ON	OFF
SWC Learning Radios*		ON	OFF	OFF	ON
New Boss		ON	OFF	ON	OFF

*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 SWC Learning Radios specific steps are required. Please scan the QR code on the right.*

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:



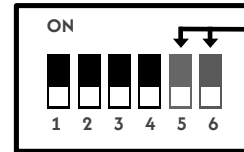
Note that there are some radios that only have SWC1 and SWC2, in this case "shield" does not need to be connected.

#### 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.



NOTE:  
DIP Switches  
5-6 are not used



Troubleshooting for SWC Learning Radios

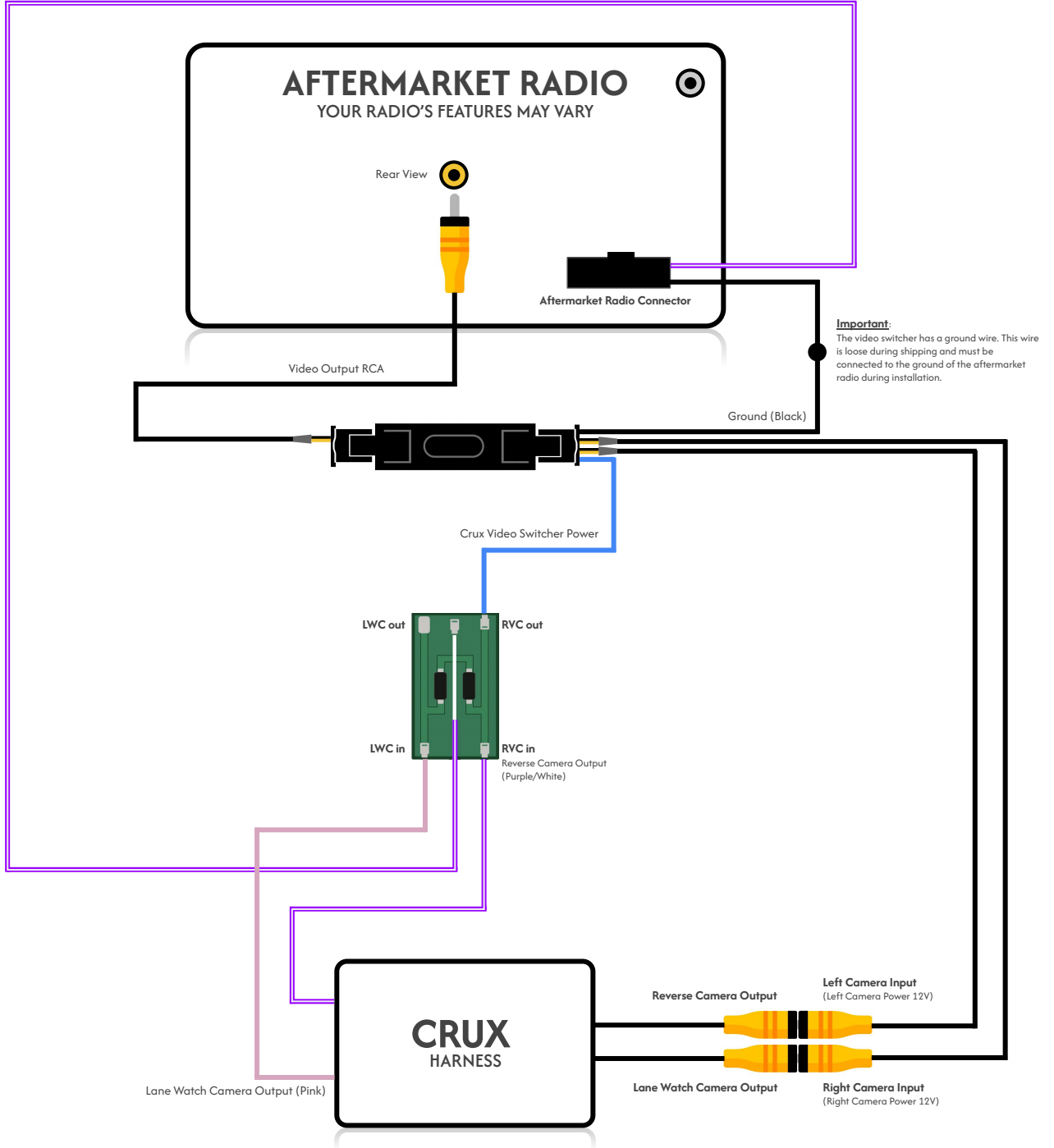
## VEHICLE APPLICATIONS:

YEARS	MAKE	MODEL
2015 - 2016	HONDA	<b>CR-V</b> EX / EX-L / Touring (with 7" Screen)
2012 - 2016	HONDA	<b>CR-V</b> EX-L w/ NAV (with 7" Screen)
2015 - 2017	HONDA	<b>FIT</b> EX / EX-L (with 7" Screen)
2016 - 2020	HONDA	<b>HR-V</b> EX / EX-L (with 7" Screen)
2016 - 2020	HONDA	<b>HR-V</b> EX-L w/ NAV (with 7" Screen)

**NOTE:**

- Auxiliary input cable will in limited application, will **NOT** work with Display audio and NAV with Display Audio System

## LANE WATCH CAMERA RETENTION INSTALLATION



## MULTI-ANGLE REAR VIEW CAMERA:



▶ The Crux SWRHN-62CV retains the factory Multi-Angle Rearview Camera functionality. Use the **FACTORY SOURCE** button on the steering to switch between the available camera views. Follow steps below.



▶ Place vehicle in reverse for **DEFAULT** camera view.



▶ For wide angle view press **SOURCE** button for 1 second.



▶ For top down camera view press **SOURCE** button for 1 second.

## CR-V/CIVIC 5" & 7" VEHICLES SWC BLUETOOTH TROUBLESHOOTING:

In certain cases, the Bluetooth hands-free link wire is analog and is not located in the same place. It might be located in external 32-pin connector (Civic/ CR-V applications). In these instances, please scan the QR code below:



NOTE: The Hands-Free Link unit in the Civic is positioned behind the glove box, while in the CR-V, it is located beneath the center of the dashboard