DKCR-59D

Radio Replacement with Dash Kit
for Select Jeep and RAM Vehicles

PRODUCT MANUAL
VER.111626

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

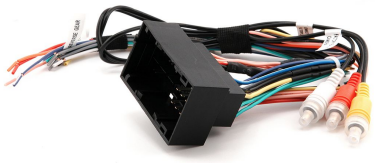
PRODUCT FEATURES:

- Retains factory features in select Jeep and RAM vehicles while functioning with an aftermarket radio.
- Retains Steering Wheel Controls via built-in, pre-programmed interface.
- Provides accessory power (2A Max).
- Retains factory backup camera (non LVDS systems only).
- Retains factory Aux input in select vehicles.
- Retains factory SWC phone button functionality in select vehicles.
- Retains factory Digital (Alpine amplifier) and analog amplifier.
- EIA color coded wiring for easy installation.
- Includes Dask Kit (double DIN or single DIN with pocket).

PARTS INCLUDED:



Module



Harness

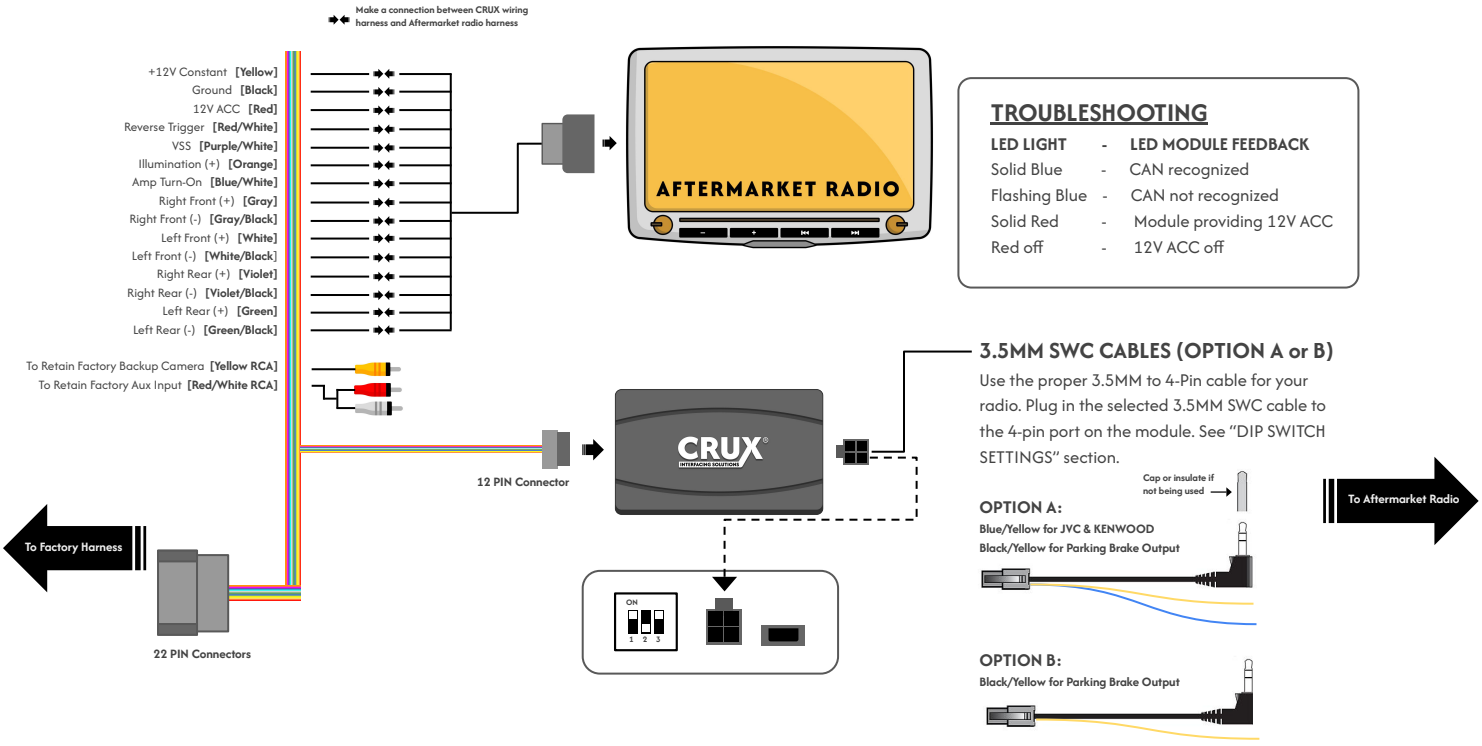


SWC Cables



Dash Kit

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, 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
SWC Learning Radio	OFF	ON	ON

NOTE: For Atoto, Blaupunkt, Dual, Farenheit, 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 and connect the SWC wires as follows:



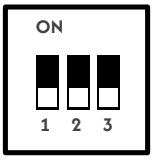
Note that there are some radios that only have SWCl and SWC2, in this case "shield" does not need to be connected.

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.



SWC Module DIP Switch

Troubleshooting for SWC Learning Radios

VEHICLE APPLICATIONS:

YEARS	MAKE	MODEL
2013-2017	RAM	**1500**
2018	RAM	**1500***
2013-2017	RAM	**2500**
2018	RAM	**2500***
2013-2017	RAM	**3500**
2018	RAM	**3500***

YEARS	MAKE	MODEL
2014-2016	JEEP	**Cherokee**

NOTE:

- *Applications with an (*) may be equipped with the OEM LVDS digital camera. Please use the CRUX Part# LVCB-07 to convert the digital signal to composite to retain the factory camera.*
- *Does NOT retain Beats Audio System.*

DASH KIT INSTALLATION:

VEHICLE DASH PREPARATION

1. Access the storage compartment located at the upper center portion of the dashboard. Remove its inner liner to expose the factory mounting hardware.
2. Remove the two (2) screws inside the compartment.
3. Release the factory trim panel surrounding the radio assembly. Carefully detach the complete panel, including the climate control and air vent sections.
4. Locate and remove the four (4) factory radio mounting screws. Disconnect the wiring harnesses and antenna connections before removing the radio.
5. Prepare the factory metal support structure for aftermarket radio installation. Remove the lower left and right corner sections to create the necessary clearance for the replacement radio.

RADIO ASSEMBLY CONFIGURATIONS

Choose the appropriate mounting configuration based on the replacement radio being installed

FIGURE A: SINGLE-DIN RADIO WITH STORAGE POCKET

1. Begin by securing the ISO mounting brackets to the rear of the CRUX mounting panel.
2. Install the storage pocket through the lower opening of the assembly, working from the back. Align the pocket with the designated bracket slots until it is properly seated.
3. Position the aftermarket Single-DIN radio within the mounting brackets. Use the radio manufacturer's hardware whenever compatible; otherwise, use the mounting screws supplied with the kit.
4. Keep the mounting screws slightly loose while positioning the radio. Adjust its depth until the desired alignment is achieved, then fully secure the assembly.
5. For additional stability, a rear support bracket may be attached to the radio and adjusted to provide proper support.

FIGURE B: DOUBLE-DIN RADIO

1. Attach the ISO mounting brackets to the rear of the CRUX mounting panel.
2. Insert the aftermarket Double-DIN radio through the back of the mounting assembly.
3. Align the radio with the mounting brackets and secure it using the appropriate screws. Leave the hardware slightly loose during initial positioning.
4. Adjust the radio's depth to achieve the preferred fit and alignment. Tighten all mounting screws once the radio is properly positioned.
5. If additional support is required, install a rear support bracket and adjust its position to help carry the radio's weight.



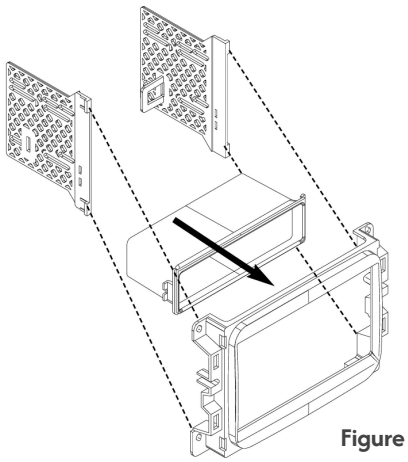


Figure A

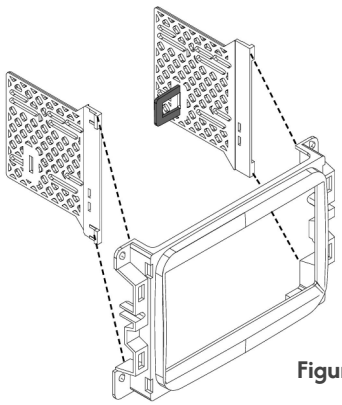


Figure B