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› Crux SWRCR-59 Radio Replacement Interface User Manual

CRUX SWRCR-59D

Crux SWRCR-59 Radio Replacement Interface User Manual

Model: SWRCR-59D | Brand: CRUX

1. INTRODUCTION

The Crux SWRCR-59 is an aftermarket radio installation interface designed to integrate a new car stereo into select 2004-2013 Chrysler, Dodge, and Jeep vehicles. This interface ensures the retention of essential factory features, including steering wheel controls, and provides necessary navigational outputs for a seamless upgrade.



Image 1.1: The Crux SWRCR-59 radio replacement kit, designed for integrating aftermarket radios while retaining vehicle features.

2. PRODUCT FEATURES

- **Factory Feature Retention:** Retains select factory features when installing an aftermarket radio in compatible Chrysler, Dodge, and Jeep vehicles.
- **Steering Wheel Control (SWC) Retention:** Maintains functionality of factory steering wheel controls via a built-in, pre-programmed interface.
- **Amplified and Non-Amplified System Support:** Compatible with both factory amplified and non-amplified audio systems.
- **Navigational Outputs:** Provides outputs for Reverse gear, Illumination, Parking Brake, and Speed signal, crucial for aftermarket navigation units.
- **EIA Color-Coded Wiring:** Features industry-standard EIA color-coded wiring for simplified installation.
- **Durable Construction:** Built with high-quality, fireproof ABS plastic for long-lasting performance.

PRODUCT FEATURES

- Retains factory features in select Chrysler, Dodge, and Jeep vehicles while functioning with an aftermarket radio.
- Retains Steering Wheel Controls via built-in, pre-programmed interface.
- Supports amplified and non-amplified systems.
- Navigational Outputs: Amp Turn On, Illumination, Parking Brake output & Reverse.
- EIA color coded wiring for easy installation.

**Notes:*

1. The Front and Rear fading are NON-Adjustable on amplified systems.
2. Also supports radio replacement in vehicles with 4.3" and 8.4" color screens.
3. Does not retain Uconnect.
4. If vehicle is not equipped with Steering Wheel Controls use part# SOOCR-26
5. If you require a dash kit with SWC interface use part# DKCR-59K



Image 2.1: Visual representation of the Crux SWRCR-59 highlighting its key product features, including steering wheel control retention and navigational outputs.

3. PACKAGE CONTENTS

The Crux SWRCR-59 package includes the following components:

- Crux SWRCR-59 Interface Module
- 1st Generation Wiring Harness
- 2nd Generation Wiring Harness
- Audio Filter
- SWC (Steering Wheel Control) Cables
- Installation Instructions
- Owner's Manual

PARTS INCLUDED

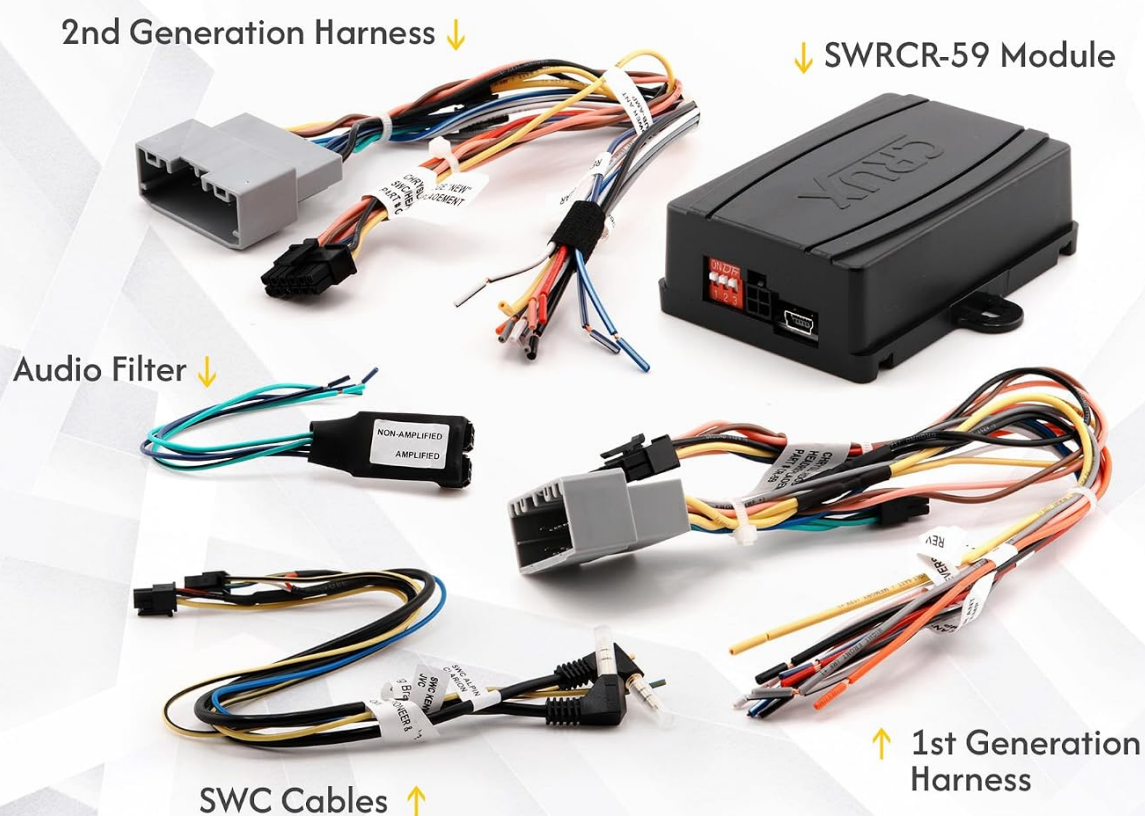


Image 3.1: All components included in the Crux SWRCR-59 kit, showing the main module, wiring harnesses, audio filter, and SWC cables.

4. VEHICLE COMPATIBILITY

The SWRCR-59 interface is compatible with select Chrysler, Dodge, Jeep, Mitsubishi, and Volkswagen vehicles

from 2004-2017. Refer to the table below for specific models and years.

VEHICLE APPLICATIONS

YEAR(S)	MAKE	MODEL	YEAR(S)	MAKE	MODEL
2011-2014	CHRYSLER	200	2007-2014	DODGE	AVENGER
2005-2010	CHRYSLER	300	2006-2012	DODGE	CALIBER
2007-2009	CHRYSLER	ASPEN	2008-2014	DODGE	CHALLENGER
2006-2010	CHRYSLER	PT CRUISER	2006-2010	DODGE	CHARGER
2007-2010	CHRYSLER	SEBRING	2013	DODGE	CHARGER
2008-2016	CHRYSLER	TOWN & COUNTRY	2006-2011	DODGE	DAKOTA
2006-2010	JEEP	COMMANDER	2004-2013	DODGE	DURANGO
2009-2016	JEEP	COMPASS	2009-2016	DODGE	GRAND CARAVAN
2005-2013	JEEP	GRAND CHEROKEE	2009-2010	DODGE	JOURNEY
2008-2012	JEEP	LIBERTY	2013	DODGE	JOURNEY
2007-2017	JEEP	PATRIOT	2005-2008	DODGE	MAGNUM
2007-2017	JEEP	WRANGLER	2007-2011	DODGE	NITRO
2018	JEEP	WRANGLER (JK ONLY)	2006-2012	DODGE	RAM
2006-2009	MITSUBISHI	RAIDER			
2009-2013	VOLKSWAGEN	ROUTAN			

CRUX[®]
INTERFACING SOLUTIONS



Image 4.1: A detailed compatibility chart for the Crux SWRCR-59, listing compatible Chrysler, Dodge, Jeep, Mitsubishi, and Volkswagen models and their respective year ranges.

Compatibility Notes:

- Front and Rear fading are NON-Adjustable on amplified systems.
- Supports radio replacement in vehicles with 4.3" and 8.4" color screens.
- Does not retain Uconnect.
- If your vehicle is not equipped with Steering Wheel Controls, use part # SOOCR-26.
- If you require a dash kit with SWC interface, use part # DKCR-59K.

5. SETUP AND INSTALLATION

Installation of the SWRCR-59 involves connecting the interface module to your aftermarket radio and vehicle's wiring harness. It is recommended to consult the detailed installation instructions included in the package for specific wiring diagrams and steps for your vehicle model.

Key Installation Steps:

1. **Prepare Wiring:** Connect the SWRCR-59 wiring harness to your aftermarket radio's harness according to the EIA color codes.
2. **Module Connection:** Connect the prepared harness to the SWRCR-59 module.
3. **Vehicle Connection:** Connect the vehicle-specific harness to the factory wiring in your dashboard.
4. **Dip Switch Configuration:** The SWRCR-59 module features a small dip switch. If steering wheel controls do not function after initial installation, adjust the dip switch from the 5V position to the 3V position. This adjustment is critical for proper SWC operation in some vehicles.
5. **Test Functionality:** Before fully reassembling the dashboard, test all functions of the aftermarket radio and steering wheel controls.

For optimal results and to avoid potential damage, professional installation is highly recommended.



EASY PLUG & PLAY INSTALLATION

Simplifies the installation process with a plug-and-play design. Retains essential vehicle functions, making it an ideal solution for DIY enthusiasts and professionals alike.

Image 5.1: Illustration depicting the straightforward plug-and-play installation process of the Crux SWRCR-59, simplifying aftermarket radio integration.

6. OPERATING INSTRUCTIONS

Once installed, the Crux SWRCR-59 allows your factory steering wheel controls to operate your new aftermarket radio. The functionality typically includes:

- **Volume Control:** Increase or decrease audio volume.
- **Track/Station Selection:** Skip tracks or change radio stations.
- **Mode/Source Selection:** Switch between audio sources (e.g., radio, USB, Bluetooth).
- **Hands-Free Calling:** Answer or end calls if your aftermarket radio supports this feature and is connected to your phone.

Refer to your aftermarket radio's manual for specific button assignments and customization options.

KEEP YOUR STEERING

Wheel Controls Functional

Maintain full control of volume, track selection, and hands-free calling with the built-in SWC retention system.



Image 6.1: Demonstrates how the Crux SWRCR-59 helps maintain full functionality of the vehicle's steering wheel controls with an aftermarket radio.

7. MAINTENANCE

The Crux SWRCR-59 is designed for reliable, long-term performance with minimal maintenance. To ensure continued functionality:

- **Keep Connections Secure:** Periodically check that all wiring connections remain tight and free from corrosion.
- **Avoid Moisture:** Ensure the module is installed in a dry environment, away from direct exposure to water or excessive humidity.
- **Clean Gently:** If necessary, gently wipe the module with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.

HIGH-QUALITY MATERIALS FOR LONG-LASTING PERFORMANCE

Built with durable materials and precision-engineered components for reliable and uninterrupted performance.



Image 7.1: Highlights the durable materials and precision engineering of the Crux SWRCR-59, ensuring reliable and uninterrupted performance.

8. TROUBLESHOOTING

If you encounter issues with your SWRCR-59 interface, consider the following troubleshooting steps:

- **No Steering Wheel Control Functionality:**

- Verify all SWC cables are securely connected to both the SWRCR-59 module and the aftermarket radio.
- Check the dip switch setting on the SWRCR-59 module. If SWC is not working, try switching it from the 5V position to the 3V position, or vice-versa, as required by your specific vehicle and radio.
- Ensure your aftermarket radio is configured to recognize external steering wheel controls. Consult your radio's manual.

- **No Audio or Intermittent Audio:**

- Confirm all power and speaker wires are correctly connected and making good contact.
- Check the audio filter connection, especially if your vehicle has a factory amplified system.

- **No Power to Aftermarket Radio:**

- Verify the constant 12V and accessory 12V connections from the vehicle harness to the SWRCR-59 harness.
- Check vehicle fuses.

For more complex issues, refer to the complete installation guide or contact Crux technical support.

9. SPECIFICATIONS

Model Number	SWRCR-59D
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Brand	CRUX
Connectivity Technology	Wired
Power Source	Vehicle Powered
Material	Fireproof ABS Plastic
Item Weight	8 ounces
Special Features	Retains Steering Wheel Controls, Navigational Outputs
UPC	850058234014

10. WARRANTY INFORMATION

The Crux SWRCR-59 interface comes with a 1-year limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage resulting from improper installation, accident, misuse, abuse, or unauthorized modifications.

11. SUPPORT

For technical assistance, detailed installation guides, or warranty inquiries, please visit the official Crux website or contact their customer support. You can also find additional resources and product information on the [Crux Amazon Store](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Email

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question