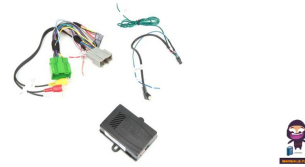


CRUX CS-GM31L Wiring Interface



CRUX CS-GM31L Wiring Interface Owner's Manual

[Home](#) » [CRUX](#) » CRUX CS-GM31L Wiring Interface Owner's Manual 

Contents

- [1 CRUX CS-GM31L Wiring Interface](#)
- [2 Specifications](#)
- [3 Installation Instructions](#)
- [4 FAQ](#)
- [5 PRODUCT FEATURES](#)
- [6 PARTS INCLUDED](#)
- [7 INSTALLATION DIAGRAM](#)
- [8 INSTALLATION INSTRUCTIONS](#)
- [9 DIP SWITCH SETTINGS](#)
- [10 VEHICLE APPLICATIONS](#)
- [11 Documents / Resources](#)
 - [11.1 References](#)



CRUX CS-GM31L Wiring Interface



Specifications

- Compatibility: GM LAN V2 (LIN) Bus vehicles 2014-2018
- Features: Retains factory features, chime functions, Steering Wheel Controls, Rear Seat Entertainment activation, backup camera, RAP
- Parts Included: CS-GM31L Module, CS-GM31L Harness, SWC Cable

Installation Instructions

1. Connect the aftermarket radio's power/speaker harness to the CS-GM31L T-Harness using the Installation Diagram provided.
2. Remove the radio trim and bezel carefully.
3. Unplug the GREEN and GRAY connectors from the head unit.
4. Plug the GREEN and GRAY connectors to the CS-GM31L T-Harness.
5. Install the antenna adapter between the factory antenna connector and the aftermarket radio antenna port.
6. Locate the GREEN/BLACK wire under the steering wheel column and connect it to the SWC Cable.
7. Use a dash kit for a clean install and test the radio functionality, chime, and RAP functions.

DIP Switch Settings:

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND	DIP#
Dual, Fahrenheit, Jensen, Pioneer	OFF OFF ON ON
Power Acoustik, Soundstream	OFF OFF ON ON
Blaupunkt, Most off-brand Radio	OFF OFF ON ON
Alpine	

FAQ

Q: Do I need any additional parts for retaining Factory Rear Seat Entertainment activation?

A: Yes, you will need part#CRUX2333A which is sold separately.

Q: How do I ensure a reliable connection when tapping the GREEN/BLACK wire from the SWC Cable?

A: We recommend soldering the wires together for a reliable connection.

CS-GM31L

Radio Replacement Interface with Steering Wheel Control
Retention for GM LAN v2 (LIN) Bus Vehicles 2014 -2018

PRODUCT FEATURES

- Retains factory features in select GM LAN V2 (LIN) Bus vehicles while functioning with an aftermarket radio.
- Retains chime functions.
- Retains factory Steering Wheel Controls.
- Provides Factory Rear Seat Entertainment activation. Requires part#CRUX2333A (sold separately)
- Retains factory backup camera.
- Retains RAP (Retained Accessory Power).

PARTS INCLUDED



CS-GM31L MODULE

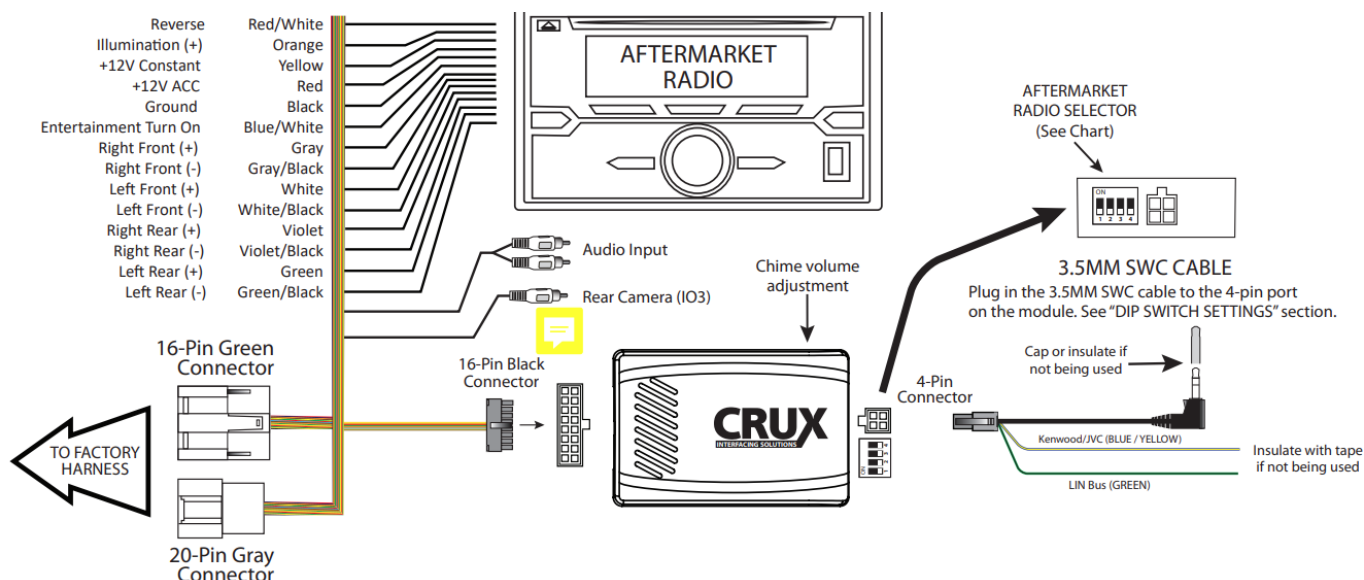


CS-GM31L HARNESS



SWC CABLE

INSTALLATION DIAGRAM




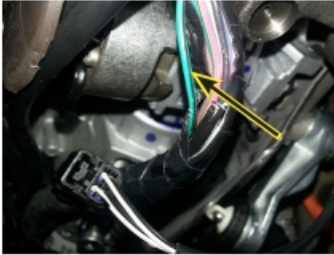


INSTALLATION INSTRUCTIONS

1. Connect the aftermarket radio's power/speaker harness to the CS-GM31L T-Harness using the Installation Diagram on page 1. Use good quality crimp caps or butt splice for a secure connection. Solder and heat shrinking the connections is highly recommended.
2. Carefully remove the radio trim with a plastic pry tool and pull outward.

<p>1. Connect the aftermarket radio's power/speaker harness to the CS-GM31L T-Harness using the Installation Diagram on page 1. Use good quality crimp caps or butt splice for a secure connection. Solder and heat shrinking the connections is highly recommended.</p> 		
	<p>2. Carefully remove the radio trim with a plastic pry tool and pull outward.</p>	<p>3. Remove the radio bezel by removing the 4 screws on the corners.</p>

3. Remove the radio bezel by removing the
4. screws on the corners.
5. Unplug the GREEN and GRAY connectors from the headunit.
6. Plug the GREEN and GRAY connectors to the CS-GM31L T-Harness.
7. Plug in the antenna adapter (sold separately) between the factory antenna connector and the aftermarket radio antenna port.
8. Remove plastic trim under the steering wheel column and locate a GREEN/BLACK wire in the bundle. Tap the GREEN/BLACK from the SWC Cable. We recommend soldering the wires together for a reliable connection.
9. Use a dash kit (not included) for a clean install. Test the radio for functionality. Test the chime and Retained Accessory Power (RAP) functions. Reverse the process to install the new aftermarket radio.

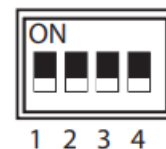
		
4. Unplug the GREEN and GRAY connectors from the headunit.	5. Plug the GREEN and GRAY connectors to the CS-GM31L T-Harness.	6. Plug in the antenna adapter (sold separately) between the factory antenna connector and the aftermarket radio antenna port.
7. Remove plastic trim under the steering wheel column and locate a GREEN/BLACK wire in the bundle. Tap the GREEN/BLACK from the SWC Cable. We recommend soldering the wires together for a reliable connection.		8. Use a dash kit (not included) for a clean install. Test the radio for functionality. Test the chime and Retained Accessory Power (RAP) functions. Reverse the process to install the new aftermarket radio.

DIP SWITCH SETTINGS

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP#:	1	2	3	4
Dual, Fahrenheit, Jensen, Pioneer		OFF	OFF	ON	ON
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		OFF	OFF	ON	OFF

SWC MODULE DIP SWITCH



NOTE: For 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.

3.5MM SWC CABLE

Plug in the 3.5MM to 4-Pin SWC cable to the SWC module. NOTE: Insulate the Blue/Yellow and Green wires if not being used.

VEHICLE APPLICATIONS

BUICK

2015-2016	ENCORE
2017	ENVISION
2016	LACROSSE
2014-2015	REGAL

CADILLAC

2015-2016	ATS
2014-2015	CTS
2015	ESCALADE
2015-2016	SRX
2017	XT5

CHEVROLET

2016-2018	CAMARO (with 8" Screen (IO5/IO6))
2015-2016	COLORADO
2016	CRUZE
2014-2016	IMPALA
2016	MALIBU
2018	MALIBU (with 8" Screen (IO5/IO6))
2014-2017	SILVERADO
2018	SILVERADO (with 8" Screen (IO5/IO6))
2015-2017	SILVERADO HD
2016	SONIC
2015, 2018	SPARK
2015-2018	SUBURBAN
2015-2018	TAHOE

GMC

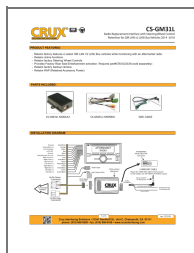
2017	ACADIA (with 8" Screen (IO5/IO6))
2015-2016	CANYON
2014-2016	SIERRA
2017-2018	SIERRA (with 8" Screen (IO5/IO6))
2015-2017	SIERRA HD
2015-2018	YUKON
2015-2017	YUKON XL

Crux Interfacing Solutions • 21541 Nordhoff St., Unit C, Chatsworth, CA 91311

phone: (818) 609-9299 • fax: (818) 996-8188 • www.cruxinterfacing.com



Documents / Resources



[CRUX CS-GM31L Wiring Interface](#) [pdf] Owner's Manual
CS-GM31L Wiring Interface, CS-GM31L, Wiring Interface, Interface

References

- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.