



# CRUX CS-GM31L Radio Replacement Interface Module Instruction Manual

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**CRUX CS-GM31L Radio Replacement Interface Module**



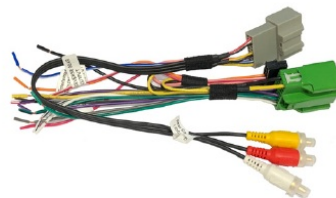
## PRODUCT FEATURES

- 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

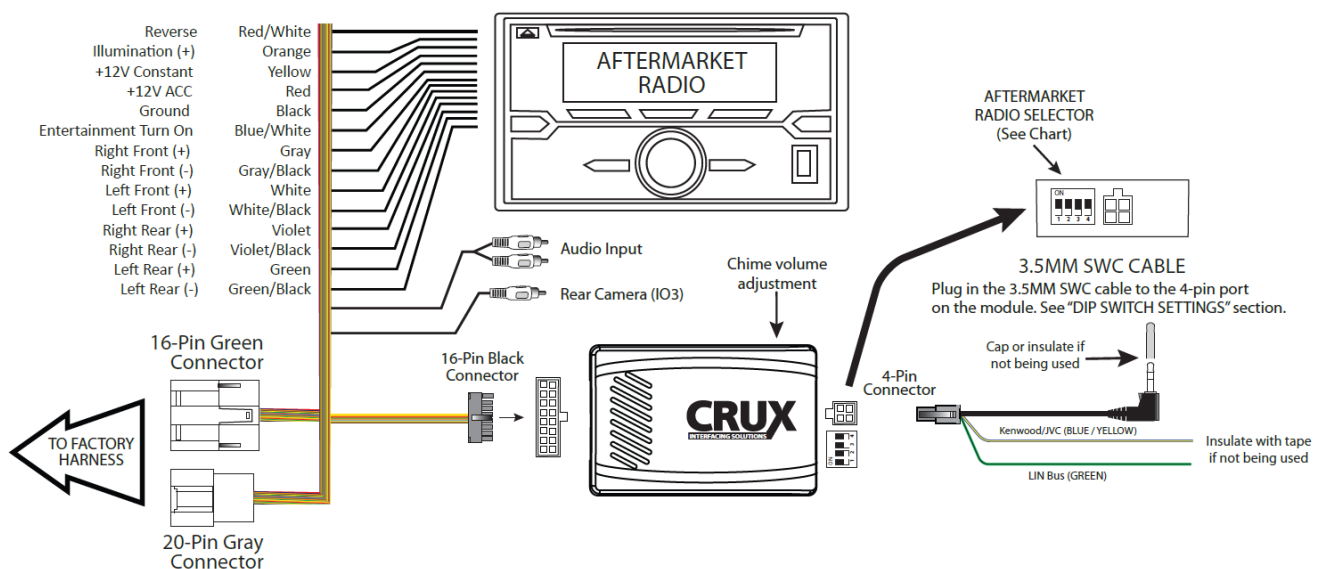


CS-GM31L HARNESS



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.

3. Remove the radio bezel by removing the 4 screws on the corners.

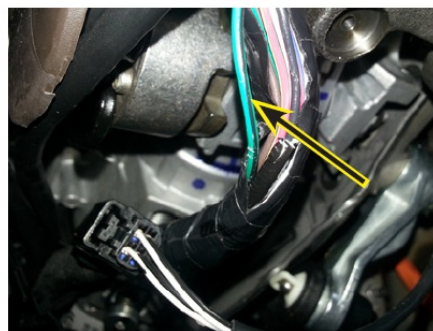


4. Unplug the GREEN and GRAY connectors from the headunit.

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.



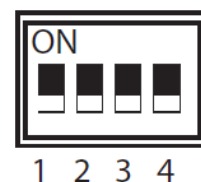
8. Use a dash kit (not included) for a clean install. Test the radio for functionality. Test the chime and Retained Accessory Power (RAP) functions. Reverse the process to install the new aftermarket radio.

## 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.

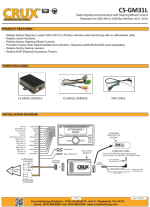
**NOTE:** Insulate the Blue/Yellow and Green wires if not being used.

## VEHICLE APPLICATIONS

		<b>CHEVROLET</b>			
<b>BUICK</b>		2016-2018	CAMARO (with 8" Screen (I O5/IO6)	<b>GMC</b>	
2015-2016	ENCORE	2015-2016	COLORADO		
2017	ENVISIO	2016	CRUZE		
2016	LACROS	2014-2016	IMPALA		
2014-2015	REGAL	2016	MALIBU		
<b>CADILLAC</b>		2018	MALIBU (with 8" Screen (I O5/IO6)	2017	ACADIA (with 8" Screen (IO5/IO6)
2015-2016	ATS	2014-2017	SILVERADO	2015-2016	CANYON
2014-2015	CTS	2018	SILVERADO (with 8" Screen (IO5/IO6)	2014-2016	SIERRA
2015	ESCALA	2015-2017	SILVERADO HD	2017-2018	SIERRA (with 8" Screen (IO5/IO6)
2015-2016	SRX	2016	SONIC	2015-2017	SIERRA HD
2017	XT5	2015, 2018	SPARK	2015-2018	YUKON
		2015-2018	SUBURBAN	2015-2017	YUKON XL
		2015-2018	TAHOE		

**NOTE:**

Does not retain Bose amplifier.

	<p><a href="#">CRUX CS-GM31L Radio Replacement Interface Module</a> [pdf] Instruction Manual CS-GM31L, Radio Replacement Interface Module, CS-GM31L Radio Replacement Interface Module, Interface Module, Module</p>
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