PRODUCT FEATURES:

- Enables wireless (Wi-Fi) Audio/Video mirroring from mobile devices to the OEM display screen for shared linking of functions from most Smartphones to the OEM Screen.
- Includes a USB input to play Audio and Video files.
- Provides a virtual remote control via a smartphone wifi connection.
- Dual band (5GHz and 2.4GHz) Wifi capability for clear connection.
- Includes HMDI output for high quality video.
- Works with Facetime, Navigation apps, Skype, E-mail, text, and other apps.
- Streams Youtube® videos.

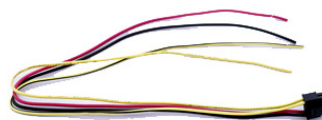## WORKS WITH:

iOS 7 and newer

OS 4.2 and newer

PARTS INCLUDED:

WVIGM-04M CAN Module

WVIGM-04M A/V Harness

WVI-H WiFi Module

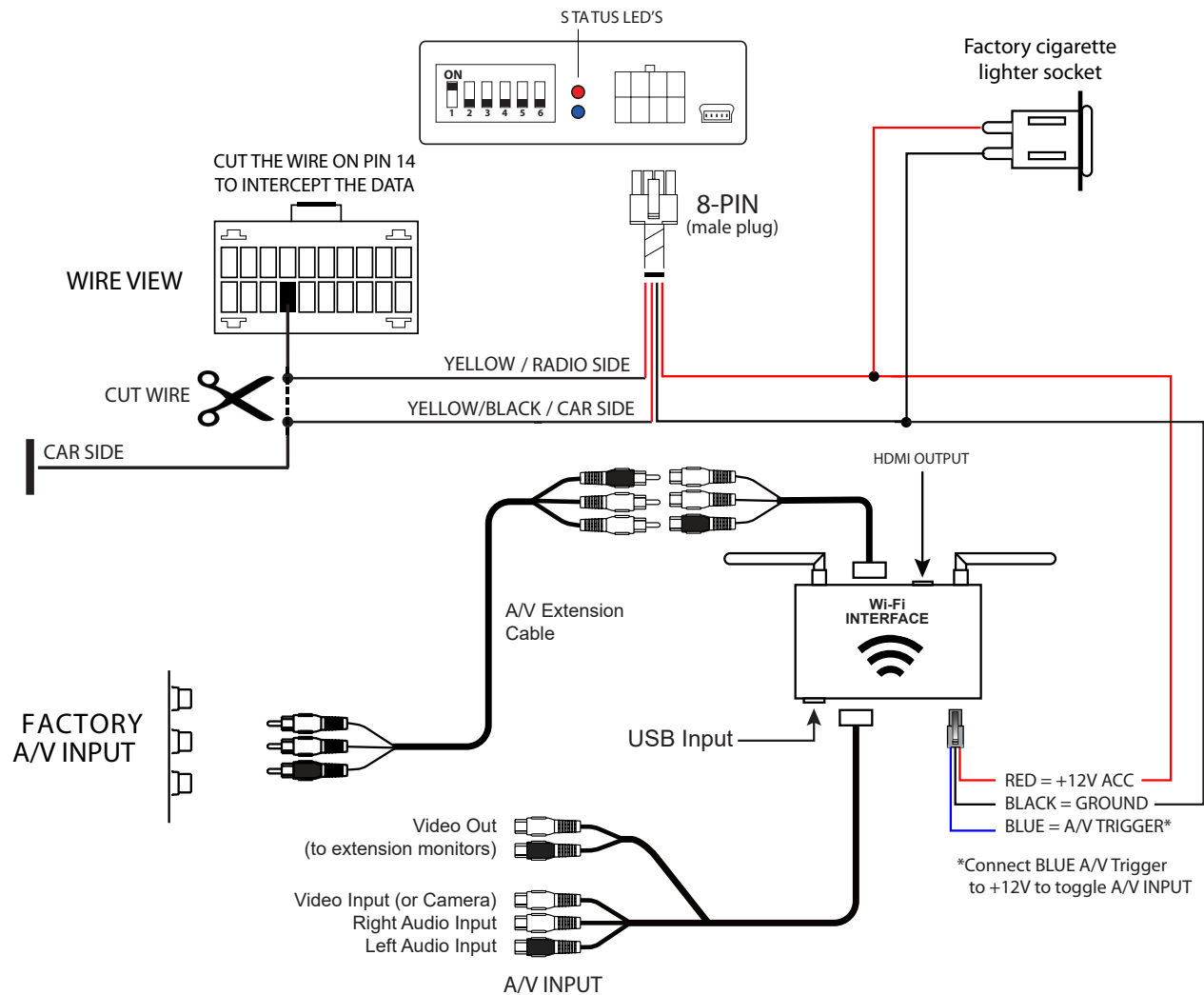Extension AV Cable

Power Harness

Dual Antennas

WiFi AV Out Harness
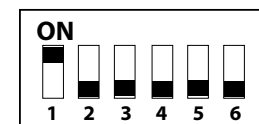

AV In / Video Out Harness

CRUX® ◎ A/V SERIES
INTERFACING SOLUTIONS

INSTALLATION DIAGRAM:

STATUS LED'S

CUT THE WIRE ON PIN 14
TO INTERCEPT THE DATA

WIRE VIEW

8-PIN
(male plug)

Factory cigarette
lighter socket

YELLOW / RADIO SIDE

CUT WIRE

YELLOW/BLACK / CAR SIDE

CAR SIDE

HDMI OUTPUT

A/V Extension
Cable

Wi-Fi
INTERFACE

FACTORY
A/V INPUT

USB Input

RED = +12V ACC
BLACK = GROUND
BLUE = A/V TRIGGER*

*Connect BLUE A/V Trigger
to +12V to toggle A/V INPUT

Video Out
(to extension monitors)

Video Input (or Camera)
Right Audio Input
Left Audio Input

A/V INPUT

MUST use the factory A/V Input

DIP Switches Overview

ON

| 1 | 2 | 3 | 4 | 5 | 6 |

ACTIVATE
VIDEO
IN-MOTION

DIP 1 = ON
2
3
4   OFF
5
DIP 6

rev.031221

Crux Interfacing Solutions • Chatsworth, CA 91311
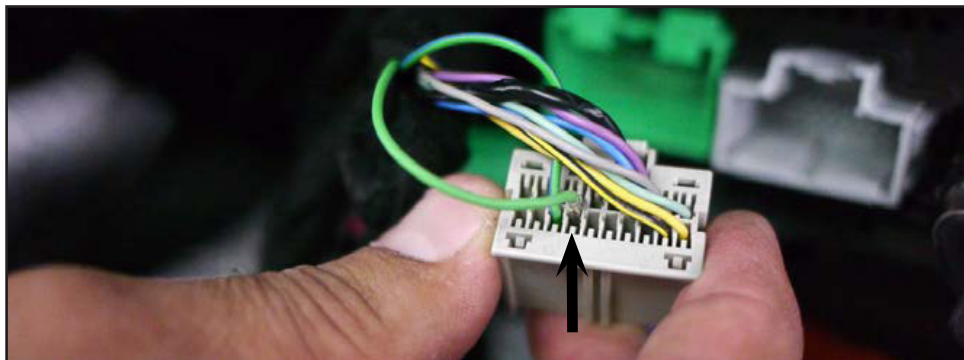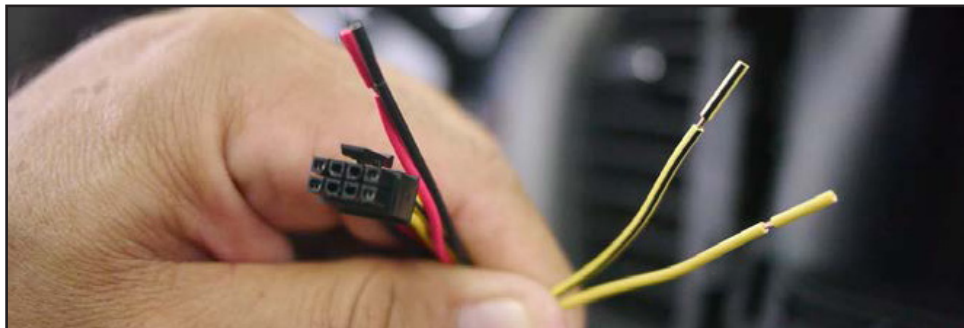phone: (818) 609-9299 • fax: (818) 996-8188 • www.cruxinterfacing.com

INSTALLATION INSTRUCTIONS:

Remove the RADIO panel to gain access to the factory 20-PIN Harnesses. You will need to locate the CAN wire on the vehicle. The Installation Overview on page 1 will give you details on how to connect.
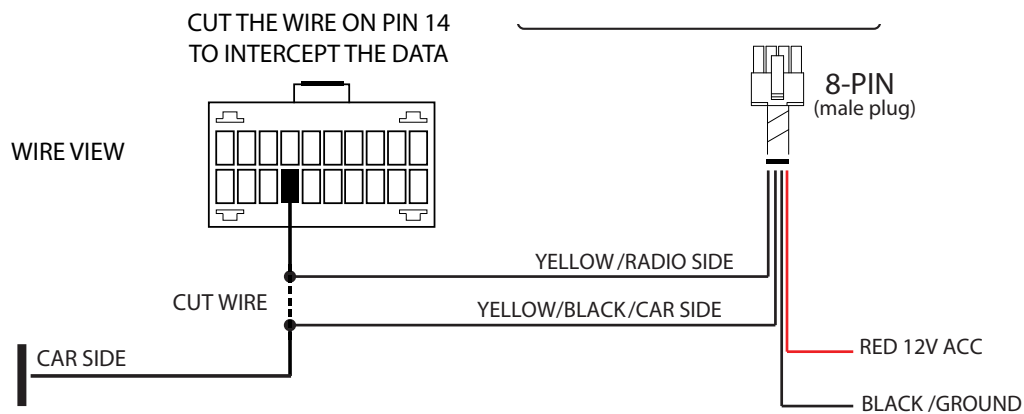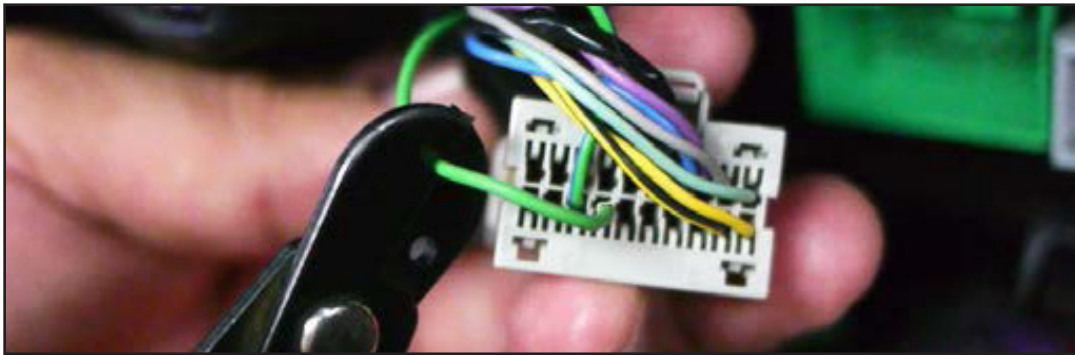

Using the provided 8-Pin harness, you will need to connect the DATA wire from the vehicle harness to the module. The CAN wire is located on the factory tuner's 20-pin connector. The tuner is located below or behind the factory screen.
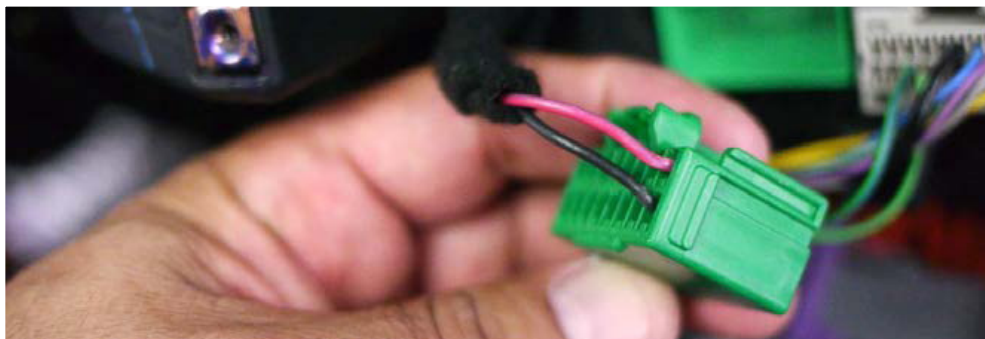
CRUX INTERFACING SOLUTIONS ◎ A/V SERIES

Cut the data wire on pin 14 of the 20-pin connector of the vehicle harness and connect it to the YELLOW and YELLOW/BLACK wires on the VIMGM-94M harness. See chart below for wire descriptions. Note that the wire color on pin 14 may vary. Make sure the connections are solid to ensure proper data transfer. We recommend soldering the connections and applying heatshrink.

Loose wires on VIMGM-94M harness:

RED = 12V Constant
BLACK = Ground
YELLOW = Data Output (To Radio)
YELLOW/BLACK = Data Input (From Car)

CUT THE WIRE ON PIN 14
TO INTERCEPT THE DATA

8-PIN
(male plug)

WIRE VIEW

YELLOW /RADIO SIDE

CUT WIRE

YELLOW/BLACK/CAR SIDE

CAR SIDE

RED 12V ACC

BLACK /GROUND

Tap power for the module from the GREEN 16-pin connector located next to the GRAY 20-pin connector.
RED = 12V CONSTANT / BL ACK = GROUND   (Use a volt meter to confirm)

DIP SWITCH SETTINGS:

Connect the 8-Pin connector to the VIMGM-94M module and set your DIP switch #1 to ON. If the vehicle has a factory rear view camera set DIP switch #2 to ON, if not set to OFF.

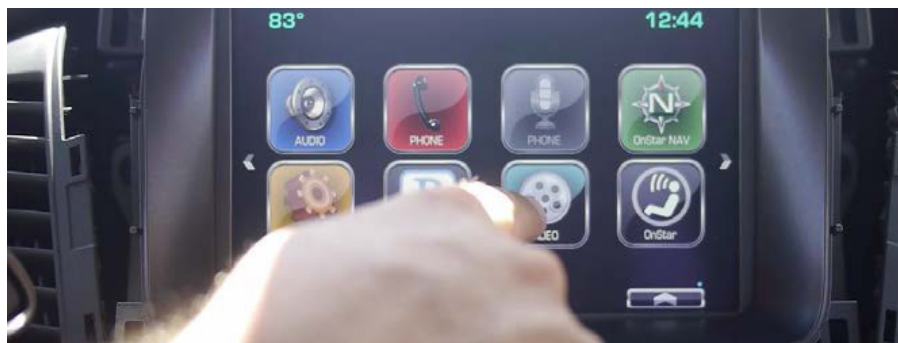| DIP#	DESCRIPTION		BLUE LED INDICATOR	
1	ON = Video in Motion Enable		ON	Power ON
2	ON = with factory rear view camera		OFF	Power OFF
3	Set to OFF			
4	Set to OFF			
5	Set to OFF			
6	Set to OFF			

TESTING FOR FUNCTIONALITY:

Activating and Deactivating the VIM feature:

Set DIP1 on the VIMGM-94M module to the OFF position and on the Driver door window control panel, Select nuetral on the Side Mirror buttons. Pressing the side mirror UP button Activates the VIM feature and pressing the side mirror DOWN button deactivates the VIM feature. Note that a Beep will be heard for confirmation of the Selected function.

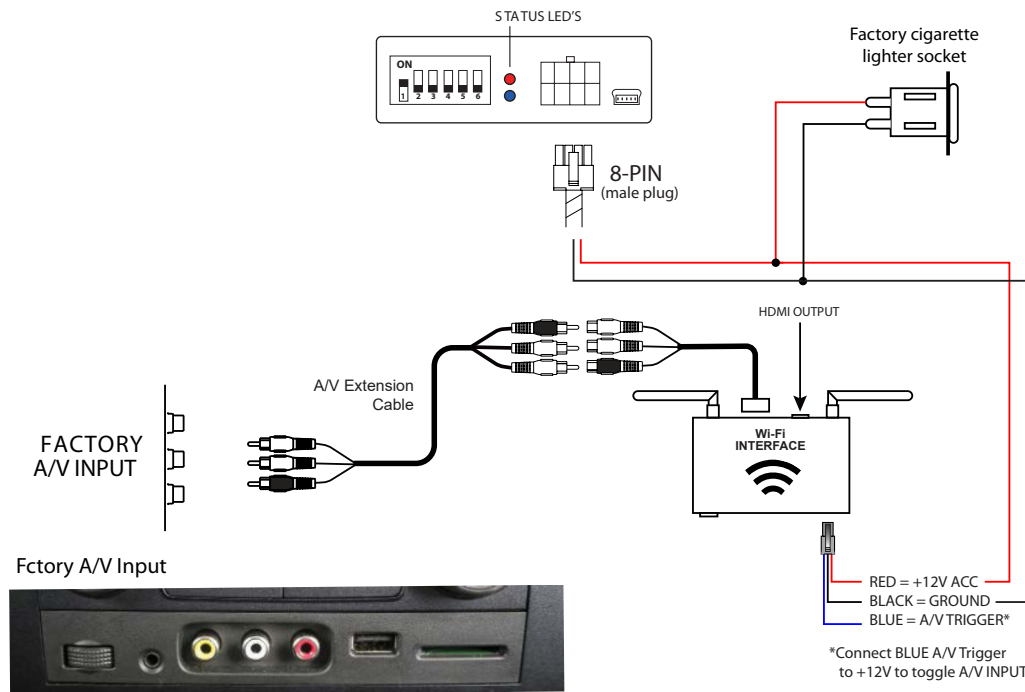***Make sure to test the interface while the vehicle is in motion.***

Step 1: Use the features on the factory display to test the interface module. Using the VIDEO source will be your fastest way to test for functionality.

rev.031221

Crux Interfacing Solutions • Chatsworth, CA 91311
phone: (818) 609-9299 • fax: (818) 996-8188 • www.cruxinterfacing.com

INSTALLATION INSTRUCTIONS:

CONNECTING THE WVI-H WiFi MODULE

To power the WiFi module, tap power and ground to factory cigarette lighter socket wires.

STATUS LED'S

Factory cigarette lighter socket

ON
1 2 3 4 5 6

8-PIN
(male plug)

HDMI OUTPUT

A/V Extension Cable

FACTORY A/V INPUT

Wi-Fi INTERFACE

Fctory A/V Input

RED = +12V ACC
BLACK = GROUND
BLUE = A/V TRIGGER*
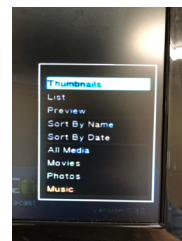
*Connect BLUE A/V Trigger to +12V to toggle A/V INPUT

VIRTUAL REMOTE CONTROL:

The WVI-H comes with a Virtual Remote Control via a Wifi connection. To access the virtual remote control, make sure that the phone is connected to Crux Wifi ***. Open your web browser and type in the following on the address bar: **192.168.59.254**

The Virtual Remote control will open. Use the virutal remote control to PLAY, PAUSE, STOP, TRACK UP/DOWN, VOLUME UP/DOWN, etc.

Plug in a USB thumb drive to the USB cable port of the WVI-H.
Tap OPTIONS on the Vritual Remote Control to select MOVIES, PHOTOS, MUSIC, etc. Use the remote to play/pause or skip tracks.

Tap SETUP to change settings on VIDEO, SYSTEM, NETWORK, and AUDIO. We recommend NOT to change any SYSTEM settings as this would interfere with the WVI-H functionality.

SETTING YOUR DEVICE:

With the WVI-H module ON and READY:
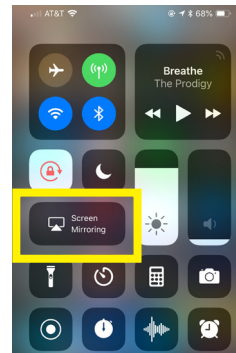
For iOS Devices:

NOTES:
1. Does not support Netflix and any DRM protected files on iOS devices due to Restrictions by Apple.

Open settings > Select **Wi-Fi** > Under **'Choose Network'** Select **"Crux WiFi ***"**

After connecting to Crux Wifi, select "SCREEN MIRRORING" from the Control Center and tap Crux Wifi ***. To access Control Center, on iPhone X, pull down from the upper right corner of the screen, on other iPhone models, pull up from the bottom of the screen.

For Android Devices:

From the drop down drawer, press "Quick Connect" > Select "**Crux Wifi ***"**

Notes:
1) Make sure the "Power Saving Mode" is turned off.
2) Make sure Quick Connect is updated to the latest version.

MIRRORING:

The mirroring connection uses a direct Wi-Fi connection to transfer the Audio and Video from your device to the WVI-H module. This does not require an active network. If your smartphone has the Screen Time Out enabled and your display goes to sleep mode, you will no longer see the image on the screen. Deactivate this feature for continuous viewing

rev.031221

Crux Interfacing Solutions • Chatsworth, CA 91311
phone: (818) 609-9299 • fax: (818) 996-8188 • www.cruxinterfacing.com

VEHICLE APPLICATIONS:

CADILLAC

2015-2018	Escalade

CHEVROLET

2014-2018	Silverado
2015-2018	Suburban
2015-2018	Tahoe
2016-2017	Volt

GMC

2014-2018	Sierra HD 2500+
2014-2018	Sierra Pickup
2014-2018	Yukon

SYSTEM COMPATIBILITY:

7" MyLink & CUE Radios

rev.031221