CRUX® INTERFACING SOLUTIONS A/V SERIES

WVIFD-02

Wifi Connectivity Integration and Audio Video Interface
for Select Ford and Lincoln Vehicles with Factory AV Inputs

PRODUCT FEATURES:

- Enables wireless (Wi-Fi) Audio/Video mirroring from mobile devices to the OEM screen.
- Provides an audio/video input which can also be used to add a camera.
- 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, Maps, Skype, YouTube, and other apps.

WORKS WITH:

iOS 7 and newer

OS 4.2 and newer

PARTS INCLUDED:



WVIFD-02 C-500 Module



WVIFD-02 Harness



WVIFD-02 C-125 Module



WVI-H WiFi Module



Extension AV Cable



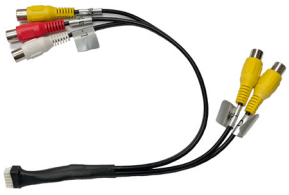
Power Harness



Dual Antennas



WiFi AV Out Harness



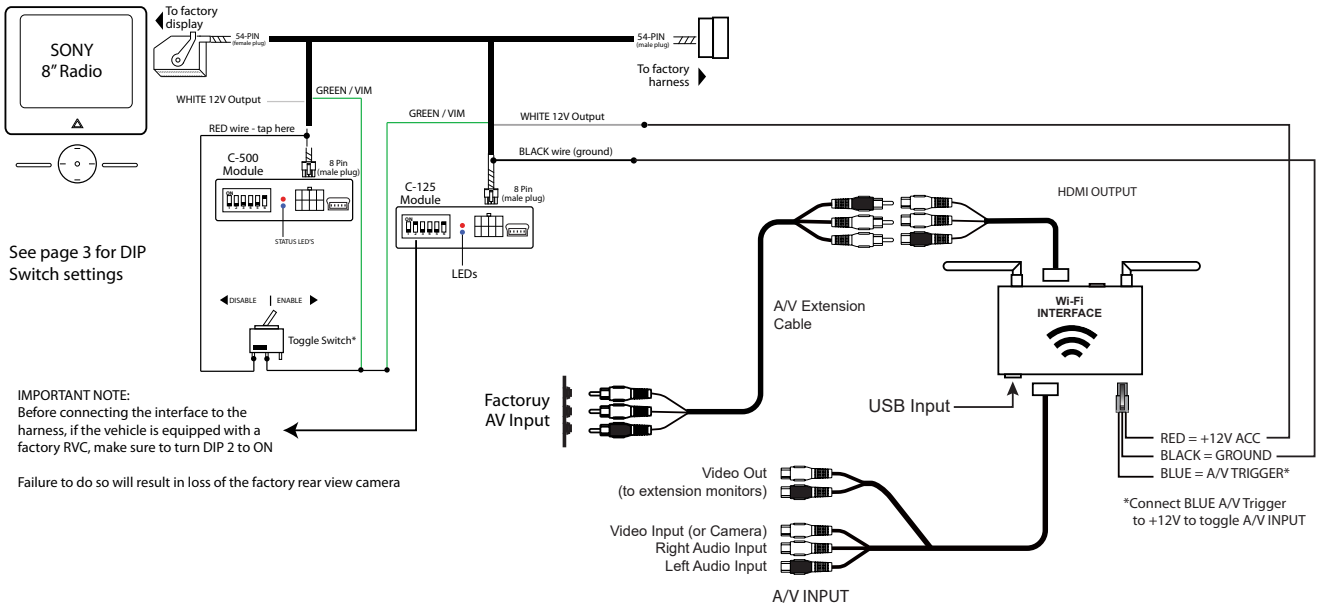
AV In / Video Out Harness

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for Select Ford and Lincoln Vehicles with Factory AV Inputs

INSTALLATION DIAGRAM:



NOTE:

The C-500 and C-125 modules are interchangeable.

INSTALLATION INSTRUCTIONS:

THE AV INTERFACE:

1. Remove the factory radio from the dashboard.
2. Unplug the factory 54 pin connector from behind the factory display.
3. Mate the WVIFD-02 T-Harness connections to the factory connectors. (Make sure all connectors are properly seated into the interface and into the radio.
4. Plug the C-500 and C-125 modules to the 8-pin Molex connectors on the WVIFD-02 harness.
5. Set the DIP switches on both modules. See next page. ***Note that the modules are interchangeable.***

NOTE: The radio will go through a reboot process that can take up to 1 minute. It will initialize and reload all previous settings. Once complete it will resume the original radio display.

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DIP SWITCH SETTINGS ON THE MODULES:

DIP#	C-125	C-500	RESULT
1	OFF	OFF	User control of the VIM feature will be turnd ON and OFF from the SWC or Optional toggle switch.
1	ON	ON	VIM permanent ON. No control on SWC or optional toggle switch. Recommended for vehicles without factory Navigation.
2	ON	OFF	If the vehicle is equipped with a factory rear-view camera.
2	OFF	OFF	If the vehicle is NOT equipped with a factory rear-view camera.
3	OFF	OFF	Not Used.
4	OFF	OFF	Not Used.
5	OFF	OFF	CAN Termination.
6	ON	ON	CAN Termination.

NOTE: Activating the VIM will affect the Navigation system. It may cause a delay in location updates.

THE WIFI INTERFACE:

1. Connect the 18-Pin power/video cable to the Wi-Fi Interface module.
2. Connect the antennas to the module.
3. Connect the RED power lead to +12V ACC and the BLACK wire to WVIFD-02 harness. See diagram on page 2.
4. Connect the BLUE wire to +12V to trigger the optional video input feature. The video input can be also be connected to a camera source. A toggle switch (not included), wired between the BLUE A/V trigger wire and +12V can be used to switch ON or OFF the video input feature.
5. If the USB input feature will be used, you can use the virtual remote control on your smartphone to control the USB functions. See VIRTUAL REMOTE section for details.
6. Plug in the Composite RCA output of the WVI-H harness to the WVIFD-02 T-Harness AV input.
7. Switch to the new AV input by pressing and holding the LEFT Arrow button on the right side SWC for 3 seconds and release.
8. Connect your smartphone and test the interface for functionality. See next page for smartphone connection.
9. Re-install the radio into the dash.

Press and hold the LEFT arrow for 3 seconds then release to switch to AV input.



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SETTING YOUR DEVICE:

With the WVI-H module ON and READY:

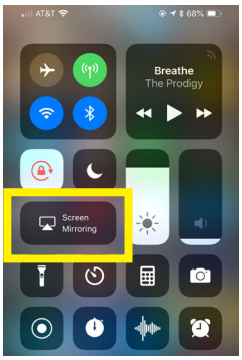
NOTES:
1. Does not support Netflix and any DRM protected files on iOS devices due to Restrictions by Apple.

For iOS Devices:

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

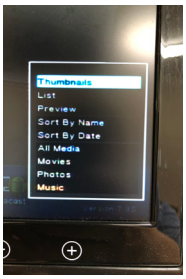
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VIRTUAL REMOTE CONTROL:

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.

VEHICLE APPLICATIONS:

FORD
2011 – 2015 Edge
2011 – 2015 Explorer
2012 – 2015 Focus
2013 – 2015 Focus ST
2013 – 2015 Escape
2013 – 2015 Fusion Hybrid
2013 – 2015 Fusion Energy
2013 – 2015 Taurus
2013 – 2015 C-Max Hybrid
2013 – 2015 C-Max Energy

LINCOLN
2013 – 2015 MKS
2012 – 2015 MKT
2011 – 2015 MKX

NOTES:
1. Vehicle MUST be equipped with factory A/V Input.
2. Works on MyFord Touch radios.
3. For F-Series trucks, use part# WVIFD-02F.

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