

PRODUCT FEATURES:

- Rear-view camera input.
- Front-view camera input.
- Front-view camera and AV Inputs can still be used even if vehicle is equipped with an OEM rear view camera.
- Provides an HMDI Input for Navigation or Wi-Fi Mirroring (Crux Part#: WVI-X, sold separately).
- Add one Composite AV input.
- With OE type Dynamic Parking Guidelines.
- Toggle AV inputs from OE radio buttons, wireless remote control or wired push button switch provided.
- On-screen display and setup.

NOTES:

- Compatible with 8" and 10.2" monitor.

PARTS INCLUDED:



MRVLR-68Q Module



Power/CAN Harness
(to Vehicle)



Power/Can Harness
(to Module)



Multi Cable



Remote Control



LVDS Cable



Power/CAN Harness
(for hardwired use only)



A/V Cable



Push Button Switch



IR Cable



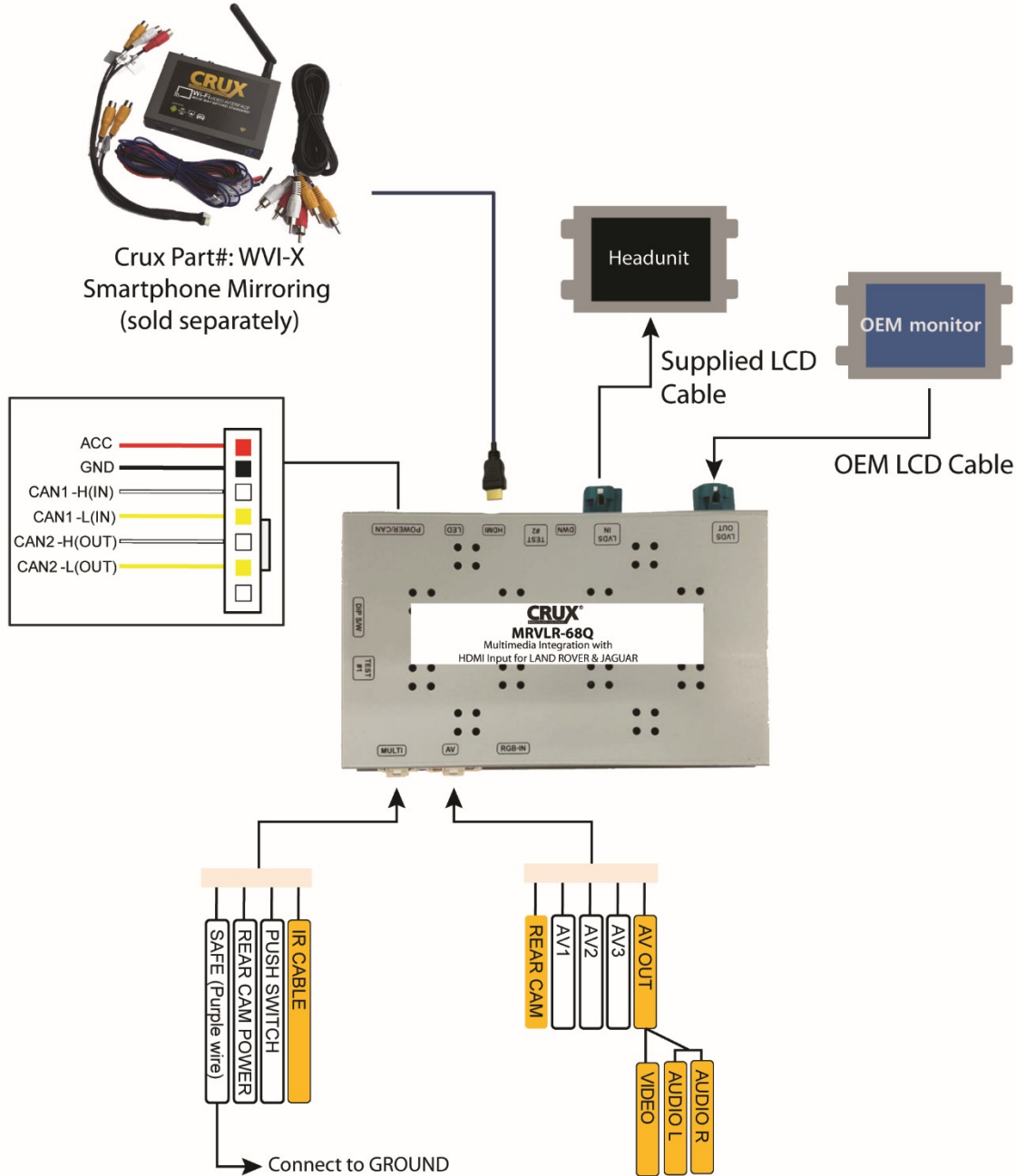
Camera Power Cable



RGB Cable



INSTALLATION DIAGRAM:



DIP SWITCH SETTINGS:

DIP #	FUNCTION	DIP Switch Setting
1	RGB	OFF: RGB Mode Display / ON: Skip RGB
2	HDMI	OFF: Display HDMI / Skip HDMI
3	AV1	OFF: AV1 Mode Display / ON: Skip AV1
4	AV2	OFF: AV2 Mode Display / ON: Skip AV2
5	Monitor Size	OFF: 10.2" Monitor / ON: 8" Monitor
6		NOT USED
7	Rear Camera Mode	OFF: OEM Rear Camera / ON: Aftermarket Rear Camera
8	CAN Setting	OFF: Jaguar XE, XF, F-PACE (CAN1) ON: Discovery (CAN1) If "OFF" setting fails to display the rear camera or PAS, change the car model to "TYPE 2" on factory mode

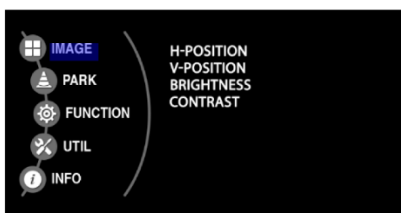
Please make sure to disconnect the power cable of the interface before changing the DIP switch settings.

REMOTE CONTROL FUNCTIONS:

KEY	FUNCTION
Power & PIP	Not Used
Menu	Activate Factory Menu
Enter	Make a Selection / Change the Image Display
▲	Move UP
▼	Move DOWN
◀	Move LEFT (Press for 2 seconds to Access Factory Mode)
▶	Move RIGHT (Press for 2 seconds to Reset User Data)

ON SCREEN DISPLAY SETTINGS:

Connect the PURPLE wire, labeled "SAFE", found on the Multi Cable to Ground in order to enter the OSD Menu.



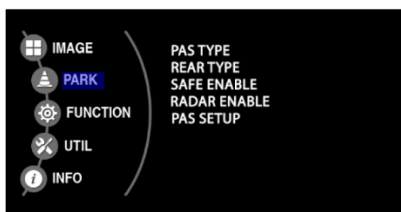
ADJUST A CURRENT SCREEN POSITION AND SIZE

H-POSITION: Move display horizontally

V-POSITION: Move display vertically

BRIGHTNESS: Adjust brightness of screen

CONTRAST: Adjust contrast of screen



ADJUST REAR VIEW CAMERA SETTINGS

PAS TYPE: Select type of parking guide line

- NOT USED: No parking guide line

- PAS ON: Selecting Dynamic parking guide line

- PASS OFF: Select static parking guide line



PAS SETUP: Adjusting the position of the parking guide line



<H-POSITION>



<V-POSITION>

REAR TYPE: Select Rear Camera Recognition

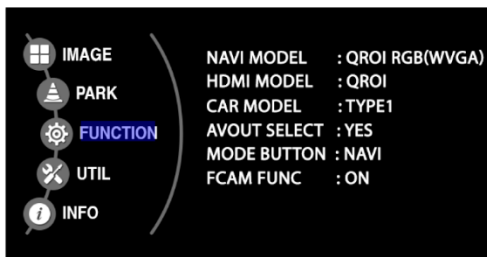
- CAN: By connecting "CAN" cable of the rear car gear. Changing to rear camera mode when shifting into reverse. (Connect "CAN" wire of the power cable to the "CAN" cable of car gear)

- LAMP: By connecting to the reverse light of the vehicle. Switch camera mode when shifting to reverse gear. (Connect "Rear-C" wire of the power cable to the reverse light wire)

SAFE ENABLE: If enabled, HDMI, RGB, and A/V mode will be disabled while driving. (Default is OFF)

RADAR ENABLE: Setting parking distance alarm sensor (ON/OFF).

NAVIGATION AND CAR MODEL SET UP



NAVI MODEL: Setting for RGB navigation

(Default, Q-roi RGB, WP9230, HDMI (WVGA))

HDMI MODEL: Setting for HDMI Navigation

(Q-roi RGB, WP9230, HDMI, PAPAGO)

CAR MODEL: Select car model

(TYPE1, TYPE2)

AV OUT SELECT: Select background sound through car

AUX, HDMI1, HDMI2, AV)

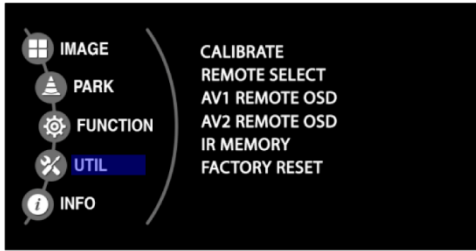
MODE BUTTON: Select mode button

(NAVI, HOME) (only 8" monitor is supported)

FACM FUNC: ON = Use front camera

OFF = Do not use front camera





CALIBRATE: Calibrate touch screen

REMOTE SELECT: Use remote control on DVD by selecting "User" after IR memory is registered. (Default is User)

AV1 REMOTE OSD: AV1 multimedia OSD setting

AV2 REMOTE OSD: AV2 multimedia OSD setting

IR MEMORY: Register IR memory of remote control for DVD, or other AV sources.

FACTORY RESET: RESET to Factory mode

FACTORY BUTTON CONTROLS:

8 Inch Screen



Switch modes by pressing HOME or NAV button on touch screen. (only available on the 8" screen) (Set up this button option on the "MODE BUTTON" setting section)

10.2 Inch Screen



A long press of the "VOICE" button on the steering wheel switches between modes.

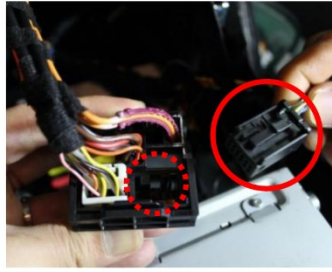


CAN CONNECTION:

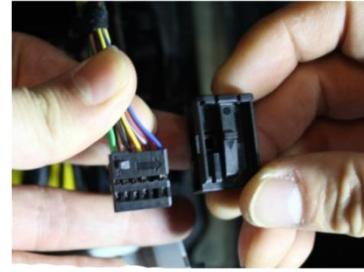
FOR 8" SCREEN



Unplug the Quadlock connector from behind the



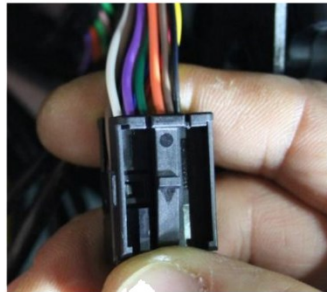
Unplug the black 12-pin connector circled above



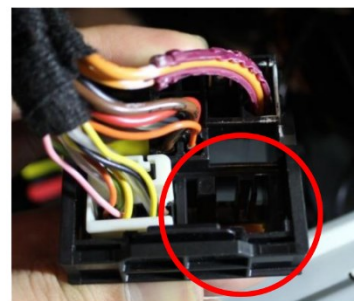
Slide out the inner 12-pin connector from the cover



Plug the inner female 12-pin connector to the mating end of the CAN IN/OUT cable provided



Reassemble the male 12-pin inner connector of the CAN IN/OUT cable provided to the cover

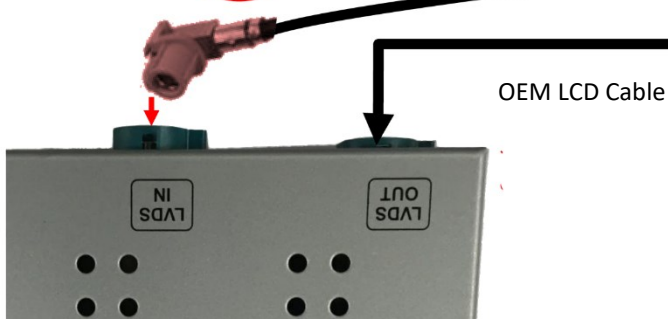


Plug the reassembled 12-pin connector back to the Quadlock connector

LCD Cable Connection for 8" and 10.2" Screens



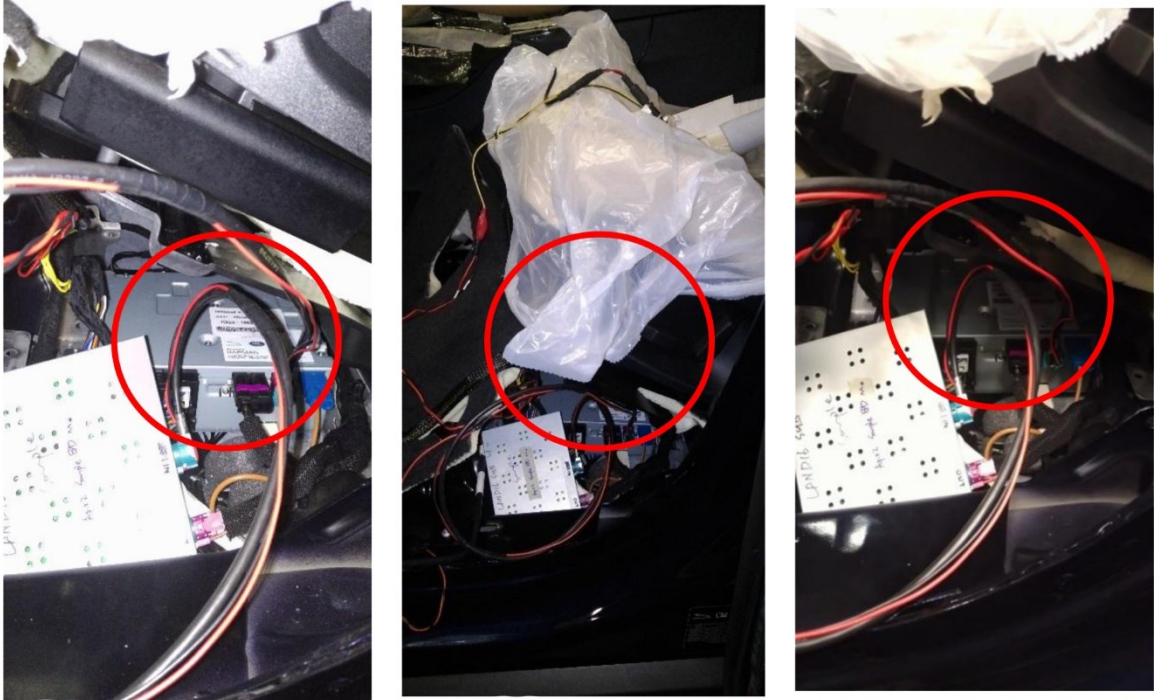
Disconnect the OEM LCD cable from behind the radio and connect it to the "LVDS OUT" of the MRVLR-68Q interface.



Plug the provided LCD cable to the "LVDS IN" of the interface and plug the other end behind the radio. See diagram to the left.



F-PACE 8" SCREEN



The headunit is located under the driver seat. See pictures above.



The CAN wires on a Jaguar F-Pace can be found at the 32-pin connector located behind the air conditioning unit.

GEAR DATA

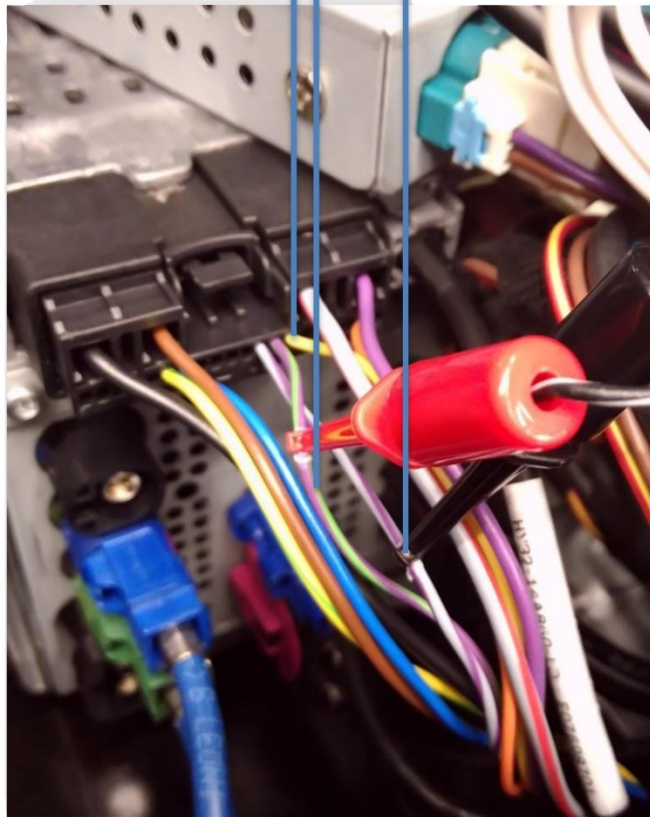
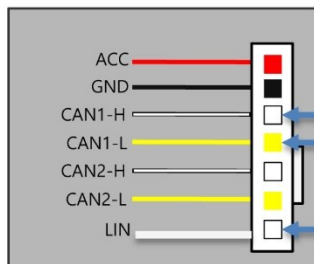
Pin 8 = CAN High
Pin 9 = CAN Low

BUTTON DATA

PIN 11 = CAN High
PIN 12 = CAN Low



FOR 10.2" SCREEN



The headunit is located under the driver's seat. The connections are made at the headunit harness as follows:

Connect CAN1-H from the power cable to the PURPLE/GREEN wire
Connect CAN1-L from the power cable to the PURPLE/WHITE wire

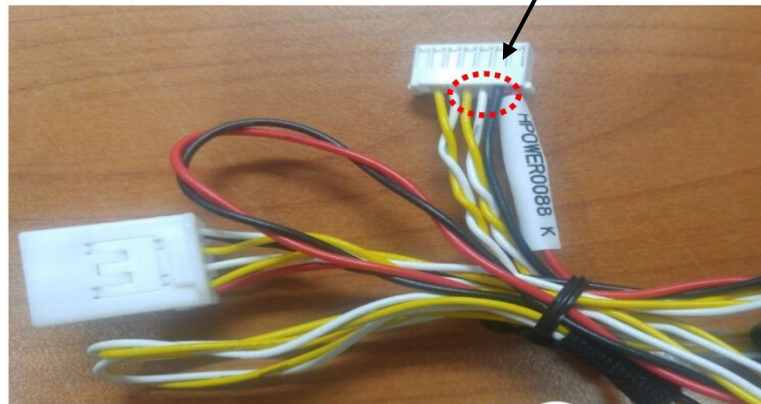
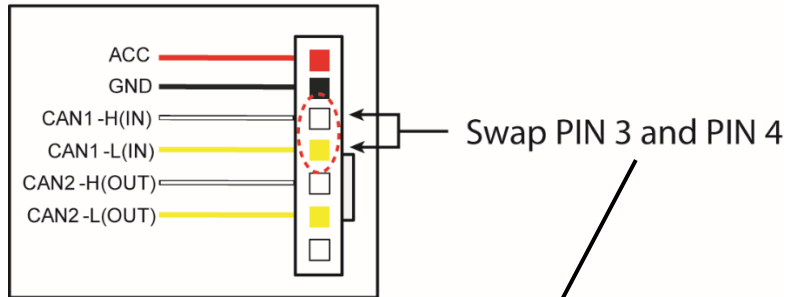
Connect LIN wire from the power cable to the YELLOW wire

NOTE: Wire colors stated above are from Crux research. OEM wire colors may vary.



CAN FAILURE:

In some Land Rover Discovery Sports model, there is only one CAN connection. In such case, swap the wires on PIN 3 and PIN 4 of the provided power cable. Please see picture and diagram below.



VEHICLE APPLICATIONS:

JAGUAR		LAND ROVER	
2016 – 2017	XE	2016 – 2017	Discovery Sport
2016 – 2017	XF		
2016 – 2017	F-Pace		



Jaguar 8" Screen



Discovery Sport 10.2" Screen

