RVCAD-81K

Front and Rear View Integration Interface
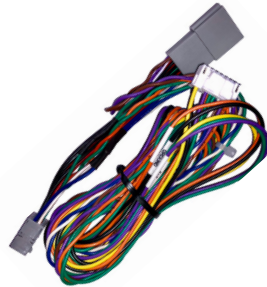for AUDI and VOLKSWAGEN with 4G Systems

PRODUCT FEATURES:

- Activates Reverse camera input in Audi and Volkswagen vehicles with 4G systems.
- Rear-view camera input with PDC setting.
- Front camera input with timed activation/deactivation setting.
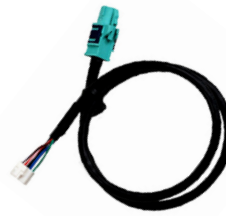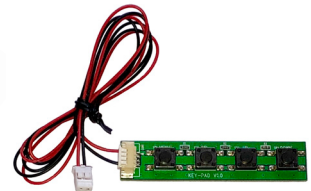- On-screen display and setup.

PARTS INCLUDED:

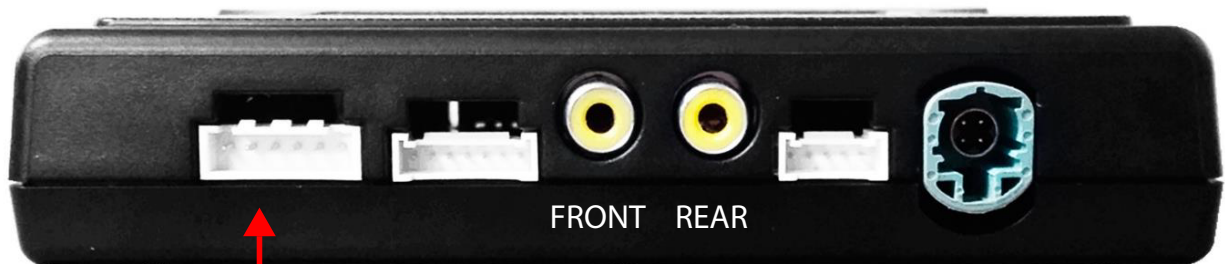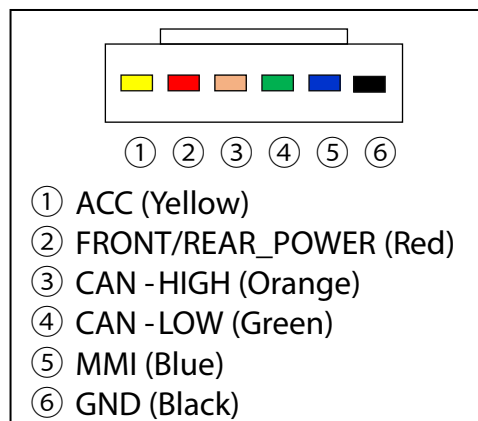RCVAD-81K Module | RVCAD-81K Harness | LVDS Cable | Programming Keypad
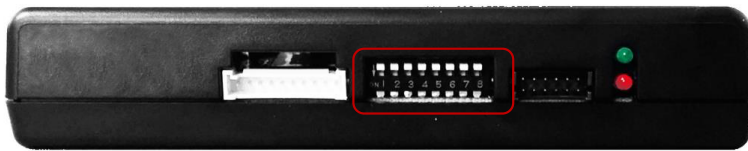
CONNECTOR PIN ASSIGNMENT:

FRONT   REAR

Power/CAN

POWER Harness

① ② ③ ④ ⑤ ⑥

① ACC (Yellow)
② FRONT/REAR_POWER (Red)
③ CAN‑HIGH (Orange)
④ CAN‑LOW (Green)
⑤ MMI (Blue)
⑥ GND (Black)

CRUX ® **INTERFACING SOLUTIONS** *Sightline* REAR-VIEW INTEGRATION

DIP SWITCH SETTINGS:

NOTE on DIP Switches:
DOWN is ON

DIP#	FUNCTION	SETTING
1	NO FUNCTION	SET TO OFF
2	NO FUNCTION	SET TO OFF
3	NO FUNCTION	SET TO OFF
4	NO FUNCTION	SET TO OFF
5	VEHICLE SELECTION	SEE CHART BELOW
6		
7		
8		

VEHICLE	DIP# 5	DIP# 6	DIP#7	DIP# 8
Audi A3 with 5.8" screen	OFF	ON	OFF	OFF
Audi A3 with 7" screen	OFF	ON	OFF	ON
Audi A4/Q7 with 7" screen	OFF	OFF	ON	ON
Audi A6 with 8" screen	OFF	ON	ON	OFF
Volkswagen Golf with 5.8" screen	OFF	OFF	OFF	OFF
Volkswagen Golf with 6.5" screen	ON	OFF	OFF	ON
Volkswagen Golf with 8" screen	OFF	OFF	OFF	ON
Volkswagen Tiguan with 8" screen	ON	ON	OFF	OFF

RVCAD-81K

Front and Rear View Integration Interface
for AUDI and VOLKSWAGEN with 4G Systems

WIRING DIAGRAM:

Connect to GRAY Connector
(DO NOT connect to Blue or Green Connector)

ACC (Yellow)

Rear Camera Power (Red)

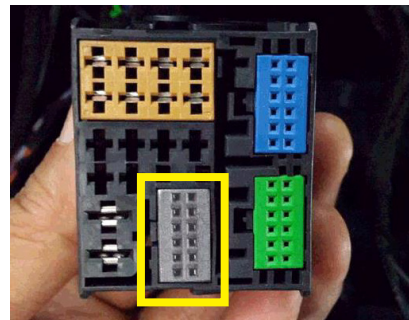Ground (Black)

To Front Camera
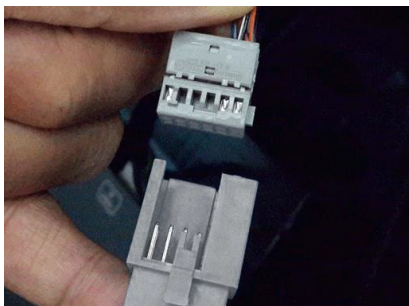
To Rear Camera

RVCAD-81K

To OE Monitor
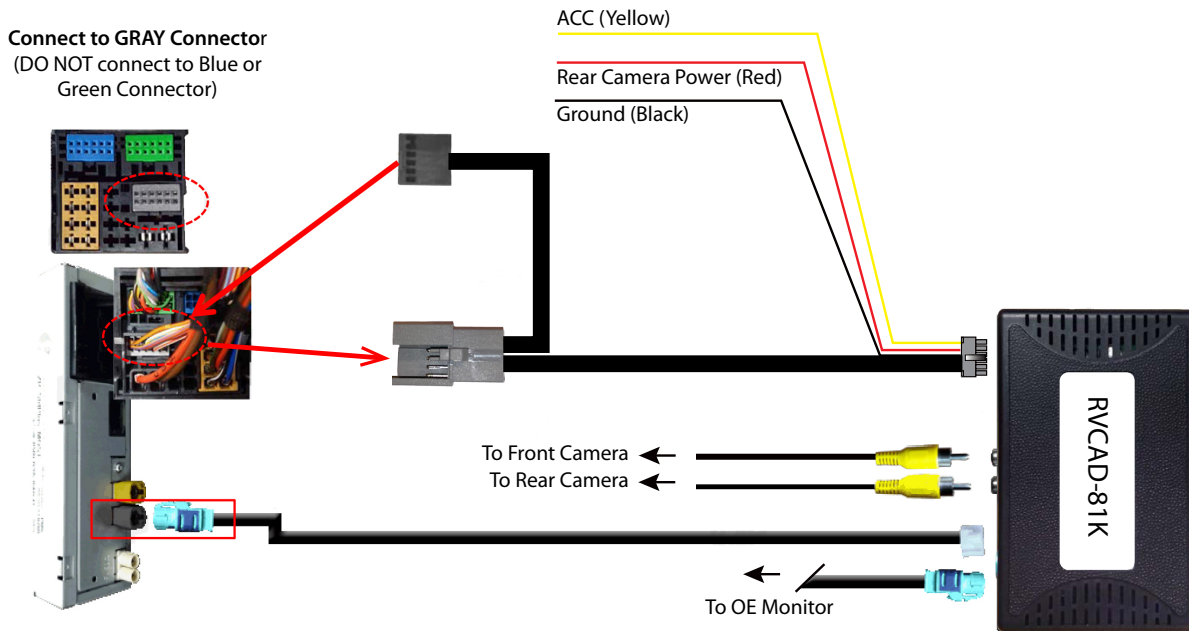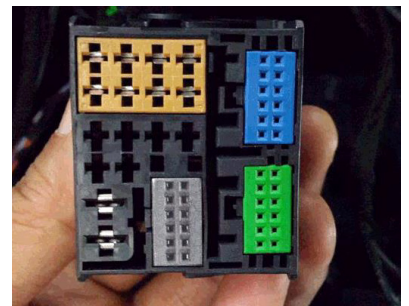
INSTALLATION INSTRUCTIONS:

1. Unplug the Quadlock connector from the headunit.

2. Remove the GRAY connector insert from the Quadlock.

3. Plug the factory GRAY connector insert to the RVCAD-81K harness

4. Plug the GRAY connector insert on the RVCAD-81K harness to the Quadlock connector.

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ON SCREEN DISPLAY (OSD) SETTINGS:

Plug in the OSD Control Keypad to the module to adjust the settings. Unplug and store when finished.

MENU	OSD On/Off Return to previous menu
SEL	Select Item
UP	Move cursor Up Increase selected value
DOWN	Move cursor Down Decrease selected value

MENU   SEL   UP   DOWN
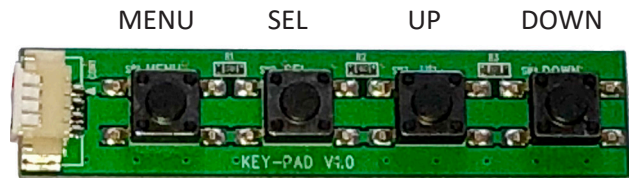
Front and Rear Camera Settings:

First Menu	Second Menu	Third Menu	Description
Option	RearCam-Type	OEM	OEM Camera
		EXTDevice	Aftermarket Camera
	RearCam-Power	ON	Camera power continously ON
		AUTO	Camera power ON in reverse gear
		OFF	Camera Power OFF
	RearCam-Det	PDC	Detected by P >> button (CAN)
		GEAR	Detected by Reverse Gear (CAN)
		WIRE	Not Used
	FrontCam-Type	OEM	OEM Camera
		ExtDevice	Aftermarket Camera
	FrontCam-Power	ON	Camera power continously ON
		AUTO	Camera power ON after reverse gear
		OFF	Camera power OFF
	FrontCam-Det	CAN	Detected by CAN
		WIRE	Not Used
	RearCam-RcvOpt	ON	Show front camera after reverse process Set time to show front camera (1 - 30 seconds)
		OFF	Do not show front camera
	Steering Mode		Not Used (set to OFF)
	Reset	Execute	Reset to factory defaults

Screen Position Settings:

First Menu	Second Menu	Description
Screen	Horizontal	Horizontal screen movement
	Vertical	Veritical screen movement
	Scale X Up	Reduce / Increase screen width
	Scale X Down	
	Scale Y Up	Reduce / Increase screen height
	Scale Y Down	
	Reset	Reset to factory defaults

Park Assist System (PAS) Settings:

First Menu	Second Menu	Third Menu	Description
Parking	OPS Display	ON	Display OPS (Optical Parking Sensors)
		OFF	OPS not displayed
	Line Display	ON	Display parking guide lines
		OFF	Parking guide lines not displayed
	Warnings Lang		Set warning text language
	Horizontal		Move parking line horizontally
	Vertical		Move parking line vertically
	Transparency		Parking line transparency
	Reset		Reset to factory defaults

Parking Line ON

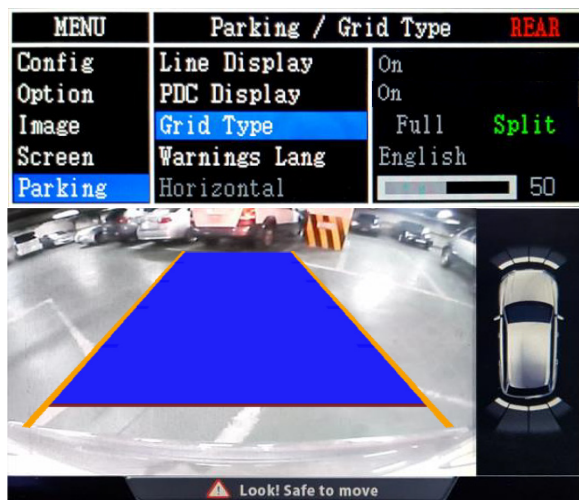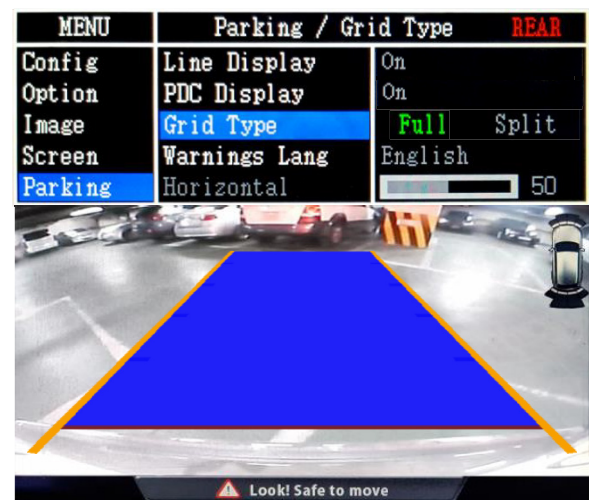Parking Line OFF

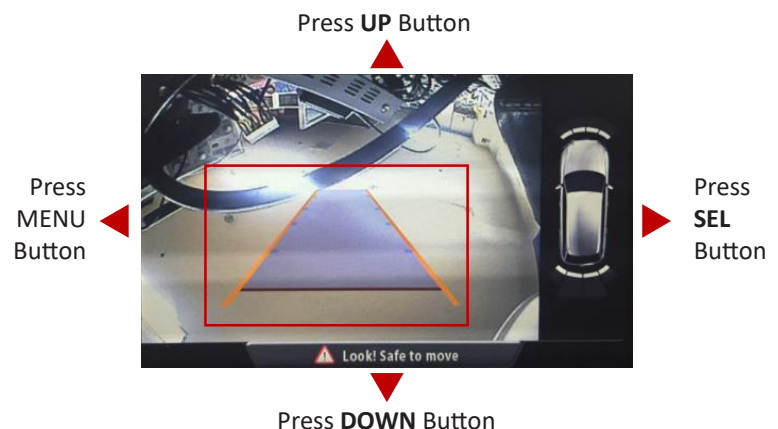rev.082520

PDC ON

PDC OFF

Grid Type - Split

Grid Type - Full

Use the OSD Control Keypad to make the Vertical and Horizontal adjustments to the parking guide lines. Set the screen to show the reverse camera in order to properly adjust the parking guide lines. Image to the right shows which buttons to use on the keypad.

Press **UP** Button

Press **MENU** Button

Press **SEL** Button

Press **DOWN** Button

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VEHICLE APPLICATIONS:

AUDI		Screen Size		VOLKSWAGEN	Screen Size
2013-Up	A3	5.8" & 7"		2015 - Up Golf 7	5.8"/ 6.5" / 8"
2017	A4	7"			
2017	A6/A7	8"			
2017	Q7	7"			

SYSTEM COMPATIBILITY:

Works on Audi and Volkswagen vehicles with 4G systems.

MMI 4G System

MMI 3G System (NOT Compatible)