

**PRODUCT FEATURES:**

- Activates Reverse camera input in Audi and Volkswagen vehicles with MMI 3G and 3G+ systems.
- Provides Rear-view camera input.
- Adds 3 AV Inputs.
- With OE type Dynamic Parking Guide Lines.
- Retains OE PDC function.
- On-screen display and setup.

**Navigation / Radio Compatibility:**

- Works on Audi and Volkswagen vehicles with MMI 3G and 3G+ systems.



MMI 3G System



MMI 3G+ System



MMI 3G+ System

**PARTS INCLUDED:**



RVCAD-81M Module



Power Harness



LVDS Cable



Remote Control



A/V Cable



Push Button Switch



Camera Power Cable



RGB Cable



Touch Screen IN



Touch Screen OUT



IR Extension

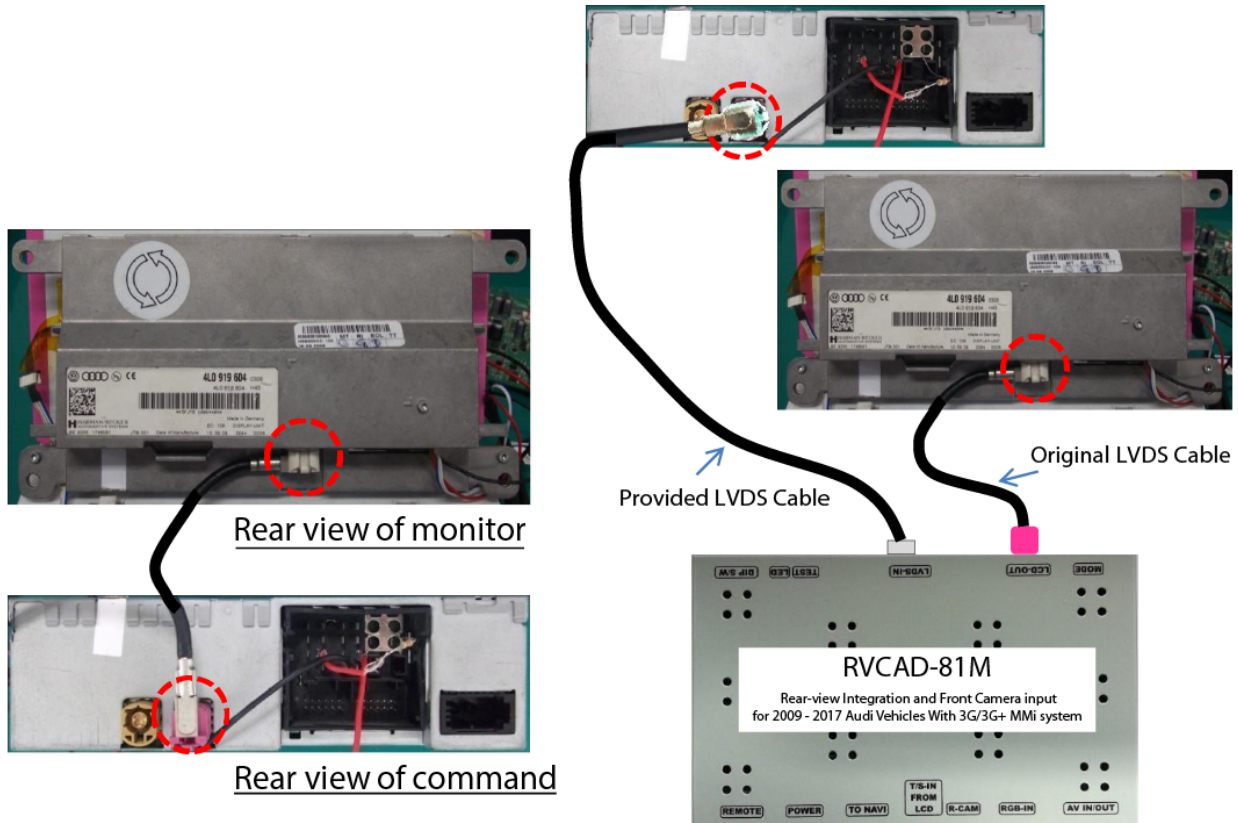


RGB Cable



**INSTALLATION DIAGRAM:**

**NOTE:** LVDS connection is done at the receiver. There is no need to remove the factory display.



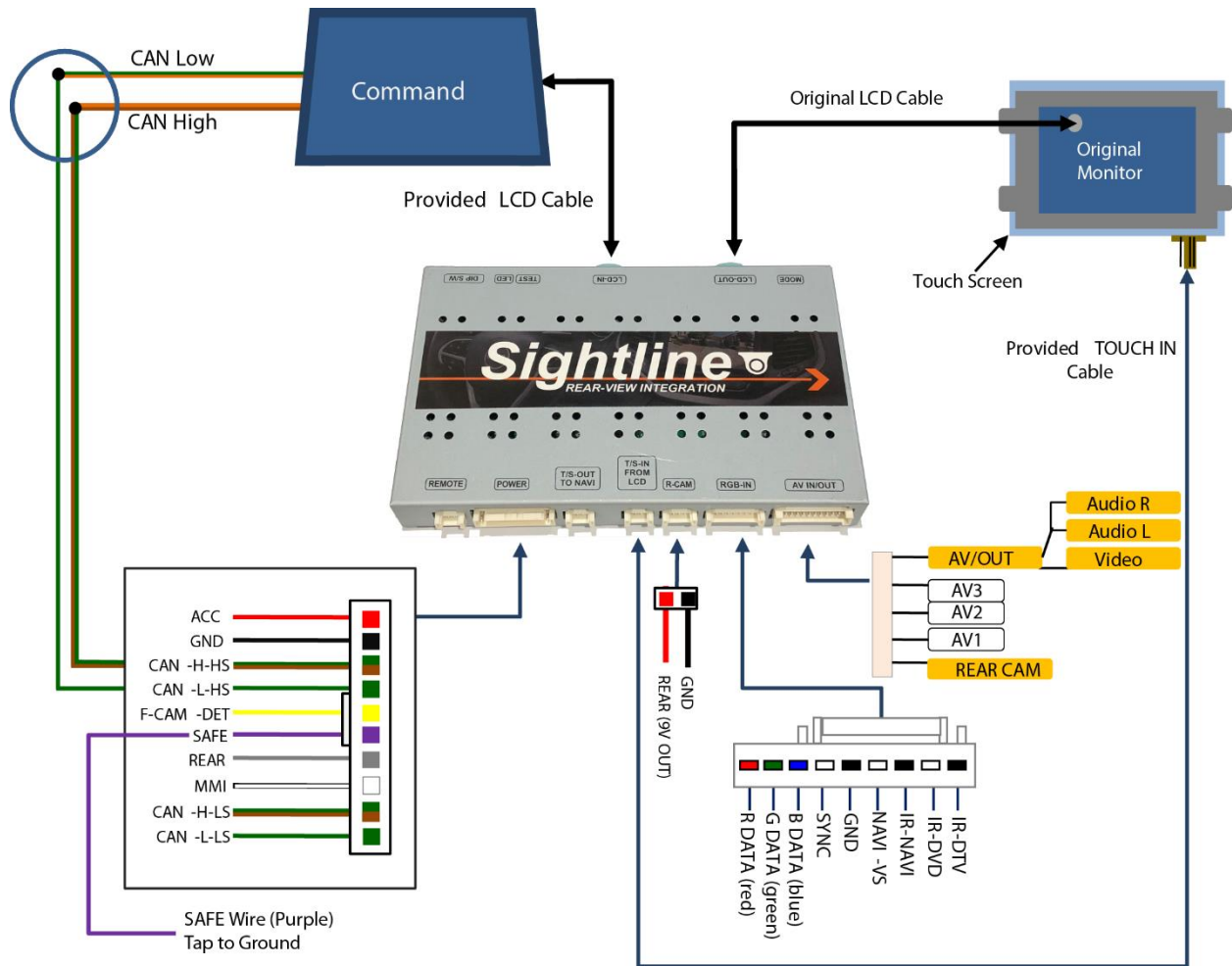
- ① Above are pictures of the rear view of the disassembled monitor and headunit.

See that the original LVDS cable of monitor is connected to the headunit.

- ② Connect the original LVDS cable to "LCD - OUT" of the Interface after disconnecting it from the headunit.

Connect the LVDS cable included in the RVCAD-81M kit, labeled "LVDS - IN", to the Interface. Connect the opposite end of the cable to the spot that the original LVDS cable is connected to the headunit.





#### INSTALLATION INSTRUCTIONS:

The CAN wires can be found behind the AC controls on the following vehicles.

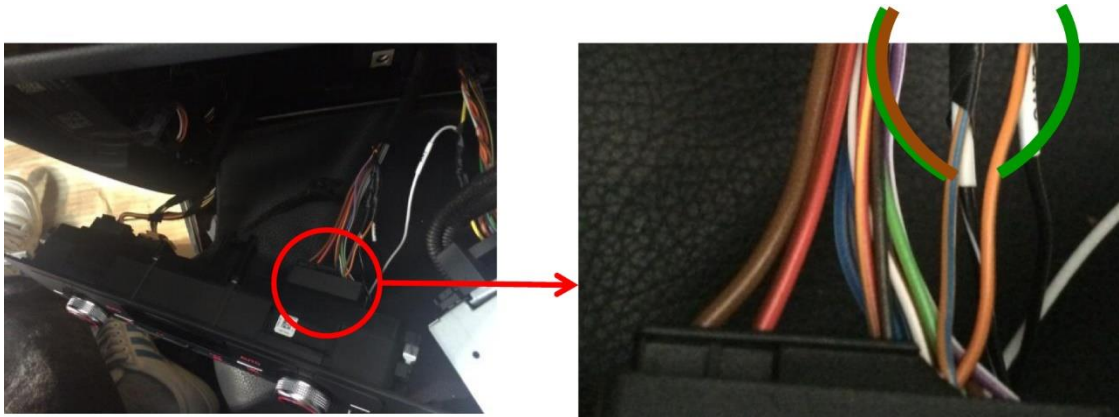
#### Audi A6, A7 (High)

Vehicle Harness		RVCAD-81M Harness
CAN-HI (Orange/Blue) Pin#4	Connect to	CAN-H-HS (Green/Brown) Pin#3
CAN-LOW (Orange/Brown) Pin #5	Connect to	CAN-L-HS (Green) Pin#4

#### Audi Q5, Q7, A4, S4 (Low)

Vehicle Harness		RVCAD-81M Harness
CAN-HI (Orange/Blue) Pin#4	Connect to	CAN-H-LS (Green/Brown) Pin#3
CAN-LOW (Orange/Brown) Pin #5	Connect to	CAN-L-LS (Green) Pin#4

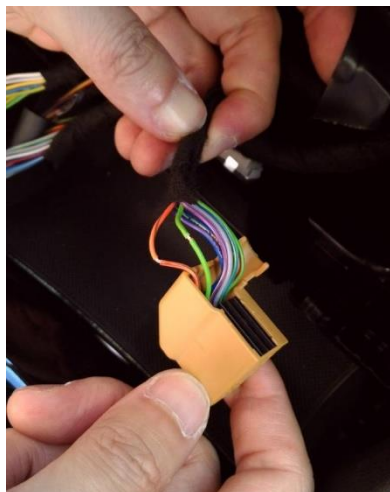




The CAN wires can be found behind the air vent on the following vehicle:

**Audi Q3**

Vehicle Harness		RVCAD-81M Harness
CAN-HI (GREEN) Pin#12	Connect to	CAN-H-LS (Green/Brown) Pin#9
CAN-LOW (Orange) Pin #13	Connect to	CAN-L-LS (Green) Pin#10



**DIP SWITCH SETTINGS:**

DIP	FUNCTION	SELECTION
1	Display RGB Inputs	ON: RGB Input Skip / OFF: RGB Input Display
2	Display AV1	ON: AV1 Skip / OFF: AV1 Display
3	Display AV2	ON: AV1 Skip / OFF: AV1 Display
4	Display AV3	ON: AV1 Skip / OFF: AV1 Display
5	Monitor Resolution	ON: Low Resolution / OFF: High Resolution
6	NOT USED – SET TO OFF	
7	Rear Camera	ON: Aftermarket Camera / OFF: Factory Camera
8	NOT USED – SET TO OFF	

**NOTE:** Disconnect the power before changing the DIP switch settings.

**REMOTE CONTROL FUNCTIONS:**



	<b>Function</b>
POWER & PIP	No Function
MENU	Activate OSD menu
OK	Make a selection, change image display
▲	Move upward
▼	Move downward
◀	Move left (press this button for more than 5 seconds to access to the factory mode)
▶	Move right (press this button for more than 2 seconds to reset all the data about user environment)





## OSD MENU SETTINGS:

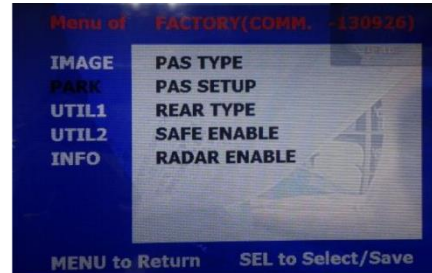
SAFE wire (purple wire) must be grounded and in AV1, AV2 or AV3 mode in order to see the OSD Menu. Press and hold the ◀ arrow on the remote for 2 seconds to access the OSD Menu.

Factory Mode: Press ◀ for more than 2 seconds on the remote.



Adjust navigation position and size

H-POSITION : Move display horizontally  
V-POSITION : Move display vertically



## PARK

PAS TYPE : Selecting Type of parking guide line  
 - NOT USED : Not use Parking guide line  
 - PAS ON : Selecting Dynamic Parking guide line  
 - PAS OFF : Selecting fixed Parking guide line

PAS SETUP : Adjusting the position and Selecting type of the parking guide line

REAR TYPE : Choose rear camera recognition

- \* LAMP - Detecting the rear view camera via rear lamp (Installer must connect "Rear-C" cable of the power cable to the rear lamp of the car.)
- \*CAN - Detecting the rear view camera by CAN signal (Installer must connect "CAN" cable of the power cable to the "CAN" cable of the car.)

SAFE ENABLE : If your car is connected with CAN cable and it is in "ON" state, you can NOT watch DVD or A/V except original image or navigation while driving. At that time the screen get back to the main (default : OFF)

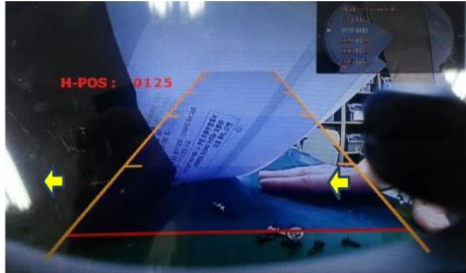
RADAR ENABLE : When set the gear to "R", Display PDC



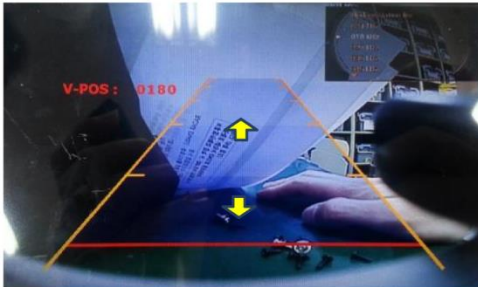
**PAS SETUP**

Go to Factory Menu, choose PAS SETUP and press OK button change the selection.

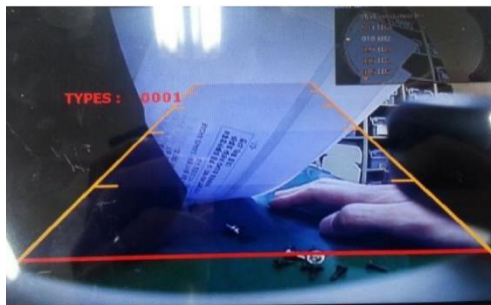
H-POS    V-POS    TYPE

**H-POS**

In H-POSITION, use ◀ , ▶ on remote control to adjust parking guideline left and right.

**V-POS**

In V-POSITION, use ▲ , ▼ on the remote control to adjust parking guideline up and down.

**TYPE**

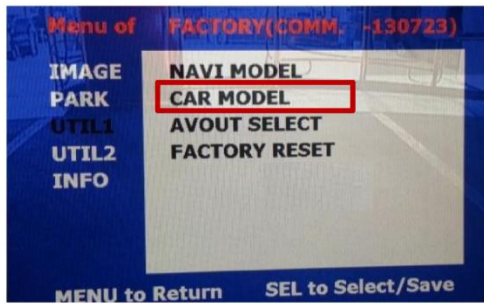
In TYPE, use ▲ , ▼ on the remote control, to select parking guide line Type for rear camera.

0001 : wide parking guide line

0000 : narrow parking guide line



## Setup for car model




## UTIL1 - CAR MODEL

### Selecting model of the car

**Audi A4, S4, A6, A7, A8, Q3, Q5, Q7**

Set DIP #5 to the size of the monitor after selecting the Car Model. Refer to page 5.

The use can toggle between the sources by pressing the  button on the steering wheel control or the NAV button on the MMI.

A long press will toggle: RGB → AV1 → AV2 → AV3 → OEM Screen

A short press will immediately go back to OEM screen

## VEHICLE APPLICATIONS:

### AUDI

2009 – 2016	A4 / S4
2009 – 2016	A5 / S5
2009 – 2016	A6 / S6
2011 – 2016	A7 / S7
2015 – 2017	Q3
2009 – 2017	Q5
2009 – 2016	Q7

### VOLKSWAGEN

2011 – 2016	Touareg
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