Product Features

- - Activates Reverse camera input in Non MMI Audi vehicles.
- - Rear-view camera input.
- - Provides three AV Inputs.
- - With OE type Dynamic Parking Assistance + PDC.
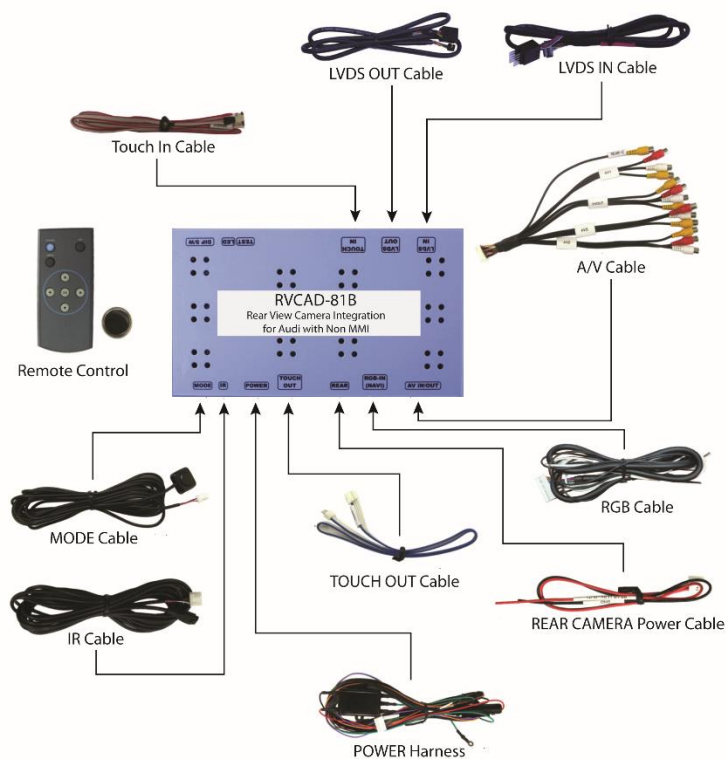- - On-screen display and setup.

Vehicle Applications

AUDI

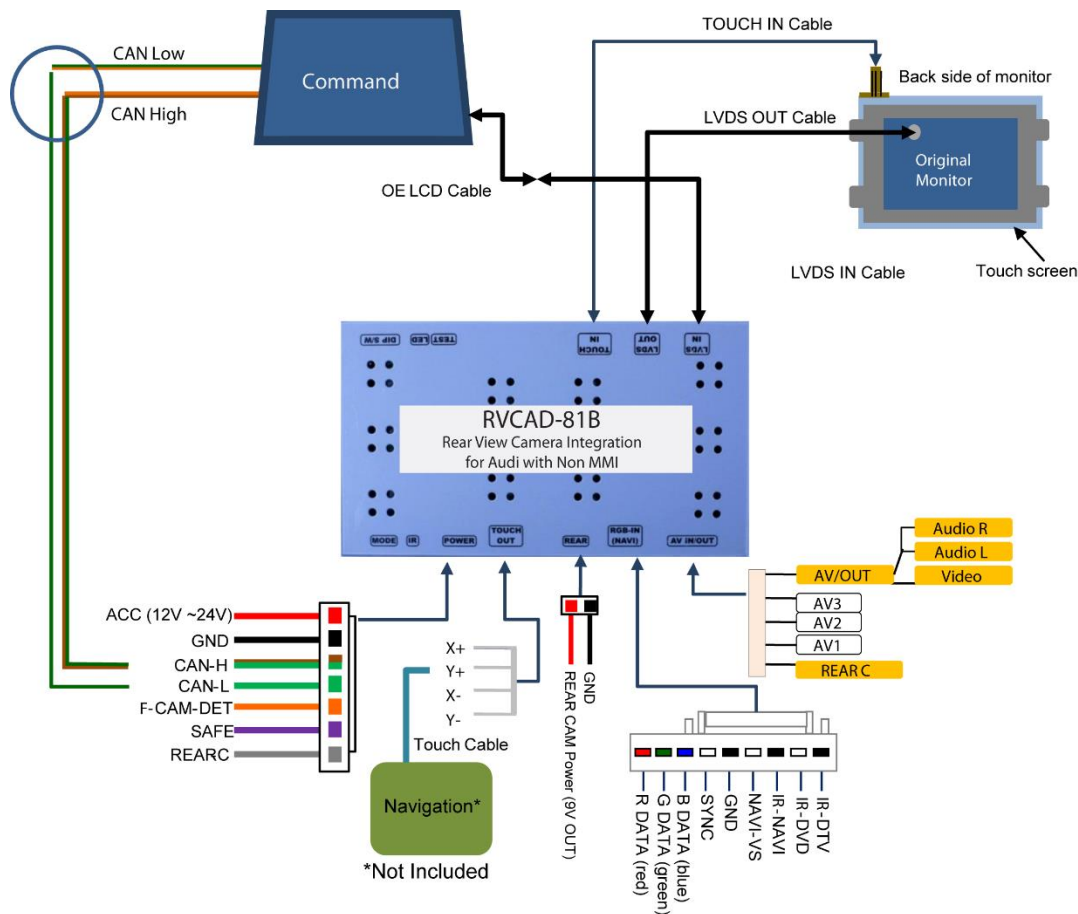|	
2008 - 2014	A4
2008 - 2014	A6
2008 - 2014	Q5

Navigation / Radio Compatibility

- Works on Audi vehicles with Non MMI systems (no MMI Control Knob behind the gear shifter).

Parts Included

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www.cruxinterfacing.com

tel. #: (818) 609-9299
fax #: (818) 996-8188
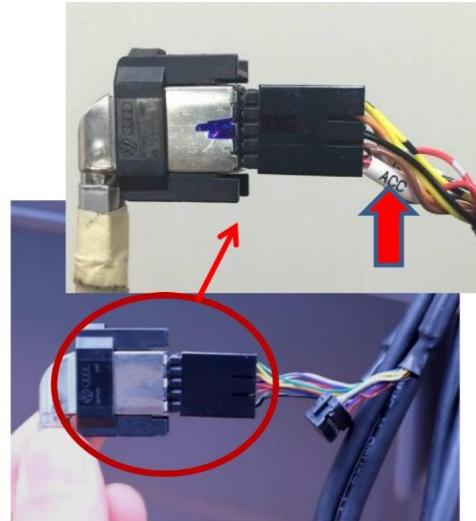
Wiring Diagram

Connecting the CAN Wires

Connect CAN-H-HS (Brown+Green-3Pin) of the interface to CAN High (Orange + Brown) of the car

Connect CAN-L-HS (Green-4pin) of the interface to CAN Low (Orange + Green) of the car

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CRUX
INTERFACING SOLUTIONS

Sightline
REAR-VIEW INTEGRATION

RVCAD-81B

Rear-View Integration Interface with Dynamic Parking
Guide Lines and PDC for AUDI Vehicles with Non MMI Systems

Installation Instructions

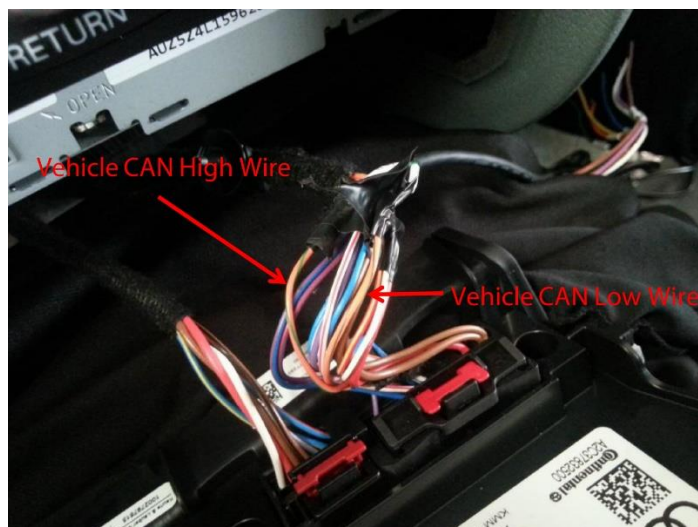### **Connection of LCD Wires**

1. Unplug the OE LCD cable from a monitor and connect to the supplied LVDS-IN cable.
    Please refer to the photo above. ***WARNING:*** The ACC wire should be at the bottom. (see arrow)
2. Connect the other end of the original LVDS IN cable to LVDS IN port of the interface.

3. Connect the supplied LVDS-OUT cable to OEM Monitor and connect the other end to the LVDS OUT
   port of the interface.

Connecting the CAN Wires

4. Tap the CAN High wire (green + brown) of the RVCAD-81B to the CAN High wire (orange + green) of the vehicle.

5. Tap the CAN Low wire (green) of the RVCAD-81B to the CAN Low wire (orange + brown) of the vehicle.

DIP Switch Settings

ON: DOWN / OFF: UP
Default : #8 OFF

DIP S/W : 1, 2 ON (hide INPUT MODE)
DIP S/W : 3   OFF (A/V2 display)
DIP S/W : 4   OFF (A/V3 display)
DIP S/W : 5   OFF
DIP S/W : 6   OFF
DIP S/W : 7   ON (display external rear cam)
DIP S/W : 8   OFF

PIN	Function	Dip S/W Selection
1	Displaying RGB input	ON : RGB mode skip OFF : RGB mode display
2	Displaying A/V 1	ON : A/V 1 mode skip OFF : A/V1 mode display
3	Displaying A/V 2	ON : A/V 2 mode skip OFF : A/V2 mode display
4	Displaying A/V 3	ON : A/V 3 mode skip OFF : A/V3 mode display
5	Not used: Set to OFF	
6	Not used: Set to OFF	
7	Setup of rear camera use	ON : CVBS4 OFF : MAIN
8	Not used: Set to OFF	

NOTE: Disconnect the Power Harness before changing the DIP Switch setting.

Remote Control

Key	Function
POWER & PIP	Not available
MENU	Activating OSD menu
OK	Making a selection, changing image display
▲	UP
▼	DOWN
◄	LEFT (press for 2 seconds to access the factory mode)
►	RIGHT (press for 2 seconds to reset all user settings)

OSD Settings

Press the ◄ of the remote control for 2 seconds to enter settings.

☐ IMAGE
Adjust navigation position and size

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

NOTE:
In case the Rear camera does not work with"CAN",
please connect the camera to the reverse light wire.
(PAS and PDC will ot work in this situation)

☐ 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)

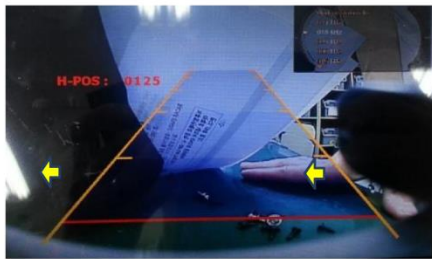RADAR ENABLE: When set the gear to "R", Display
        PDC

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Parking Line Setting

Go to Factory Menu, choose PAS SETUP, press OK button change:
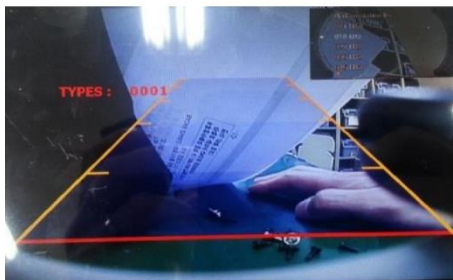H-POS → V-POS → TYPE

H-POS

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

V-POS

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

TYPE

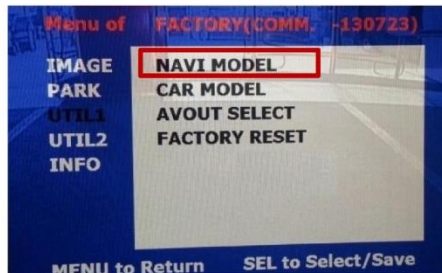In TYPE, use ▲ , ▼ on remote control, to select parking guide line type for rear camera.
0001: wide parking guide line
0000: narrow parking guide line

UTIL1 Settings

Setup for navigation

UTIL1– NAVI MODEL
Definition of the navigation
resolution

DEFAULT: default, 400 X 234, in low
resolution

Setup for car model

UTIL1- CAR MODEL
Selecting model of the car

A4L-NEW
A4L-OLD

UTIL1– AV OUT SELECT
Selecting background sound
After returning from navigation or
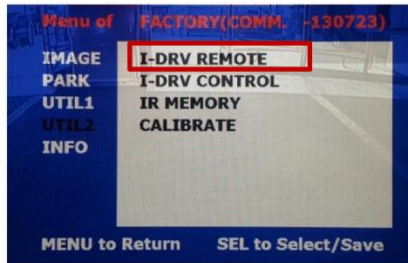original mode

DEFAULT: Selecting AV sound
just before changing navigation
or original mode from the AV mode

AV 1~3: Sound of the selected
AV source 1~3

UTIL1 - FACTORY RESET

FACTORY MODE RESET

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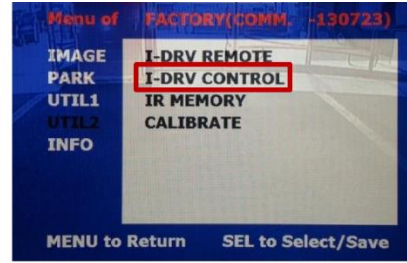tel. #: (818) 609-9299
fax #: (818) 996-8188

UTIL2- I_DRV REMOTE
Choose DTV and DVD model
to be control I_DRV function

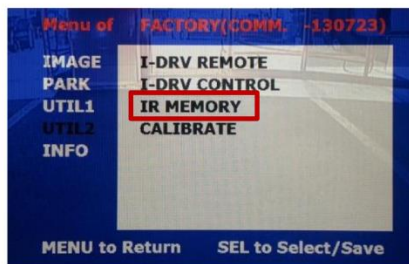LI-1DISC
NEC-6DISC
USER(when using IR MEMORY)

- Select DVD model: Setting on
  AV1 Mode
- Select DTV model: Setting on
  A/V2 mode

UTIL2- I_DRV CONTROL
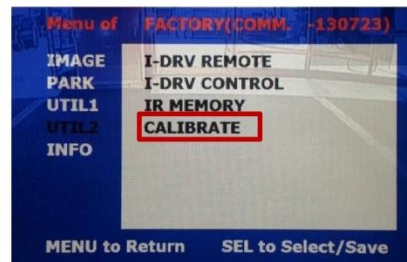Selecting whether to use I_DRV
function or not

ON / OFF

A/V1 : Control DVD Remote control UI
A/V2 : Control DTV Remote control UI

UTIL2 – IR MEMORY
To register DVD, DTV remote control, the
remote control value must be registered
and can be control with touch
DVD (A/V1), DTV(A/V2)

To use this function, in UTIL2-I_DRV
REMOTE select USER mode

UTIL2 – CALIBRATE
Touch Calibration

YES / NO

Operation

User can switch mode using original button in steering wheel

* Long Press   : Switching mode (RGB→A/V1~3→Original mode)
* Short Press   : Move to Original mode

FACTORY MODE→UTIL1→

CAR MODEL→A4L-NEW

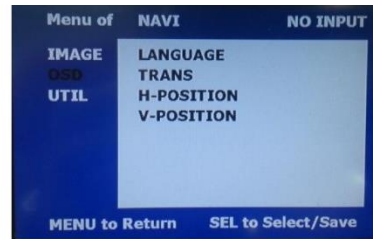< Model with "I NAV" Button >

FACTORY MODE→UTIL1→

CAR MODEL→A4L-OLD

<Model without "I NAV" Button>

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OSD (On Screen Display) Settings

Menu of	NAVI	NO INPUT
IMAGE	BRIGHTNESS	
OSD	CONTRAST	
UTIL	SHARPNESS	

MENU to Return   SEL to Select/Save

Menu of	NAVI	NO INPUT
IMAGE	LANGUAGE	
OSD	TRANS	
UTIL	H-POSITION	
	V-POSITION	

MENU to Return   SEL to Select/Save

IMAGE
* BRIGHTNESS
* CONTRAST
* SHARPNESS

OSD
*LANGUAGE : Set OSD language
 (only support English and Chinese)
* TRANS : Adjust OSD transparency
*H-POSITION : Move OSD horizontally
* V-POSITION : Move OSD vertically

Menu of	NAVI	NO INPUT
IMAGE	FACTORY RESET	
OSD	Fun Time with playTIME	
UTIL		

MENU to Return   SEL to Select/Save

UTIL
* FACTORY RESET
 : Factory reset only for OSD function
 (unable reset video position)