

Release Date : 2016.04.20
Model : QVL-A6LE-V3 / Product code : AD-1012-001

AUDI A6

with Touch Screen

Specification & Installation

Vehicles coming with MMI version

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1.1 Main Specification

1. Input Spec. (MULTI VIDEO INTERFACE)

- 1 x Analog R,G,B, sync
- 1 x CVBS (REAR CAMERA) Input. (Rear camera source)
- 2 x A/V (NTST & PAL) Input.
- 1 x LCD Input (Car system Input)

2. Output Spec.

- 2 X CVBS OUTPUT (Video Out for installing Headrest monitor)
- 1 x Audio OUTPUT
- 1 X LCD OUTPUT (LCD Operation)

3. Electric Power Spec.

- Input Power : 10VDC ~ 16VDC
- Consumption Power : 12WATT, Max

4. Switching AV Source

- Possible to skip AV source while switching Mode (AV source) by DIP S/W (Refer to the DIP S/W page)
- By remote control
- By toggle switch
- By Touch (Optional)
- Able to switch mode via original button (NAVI button with MMI)

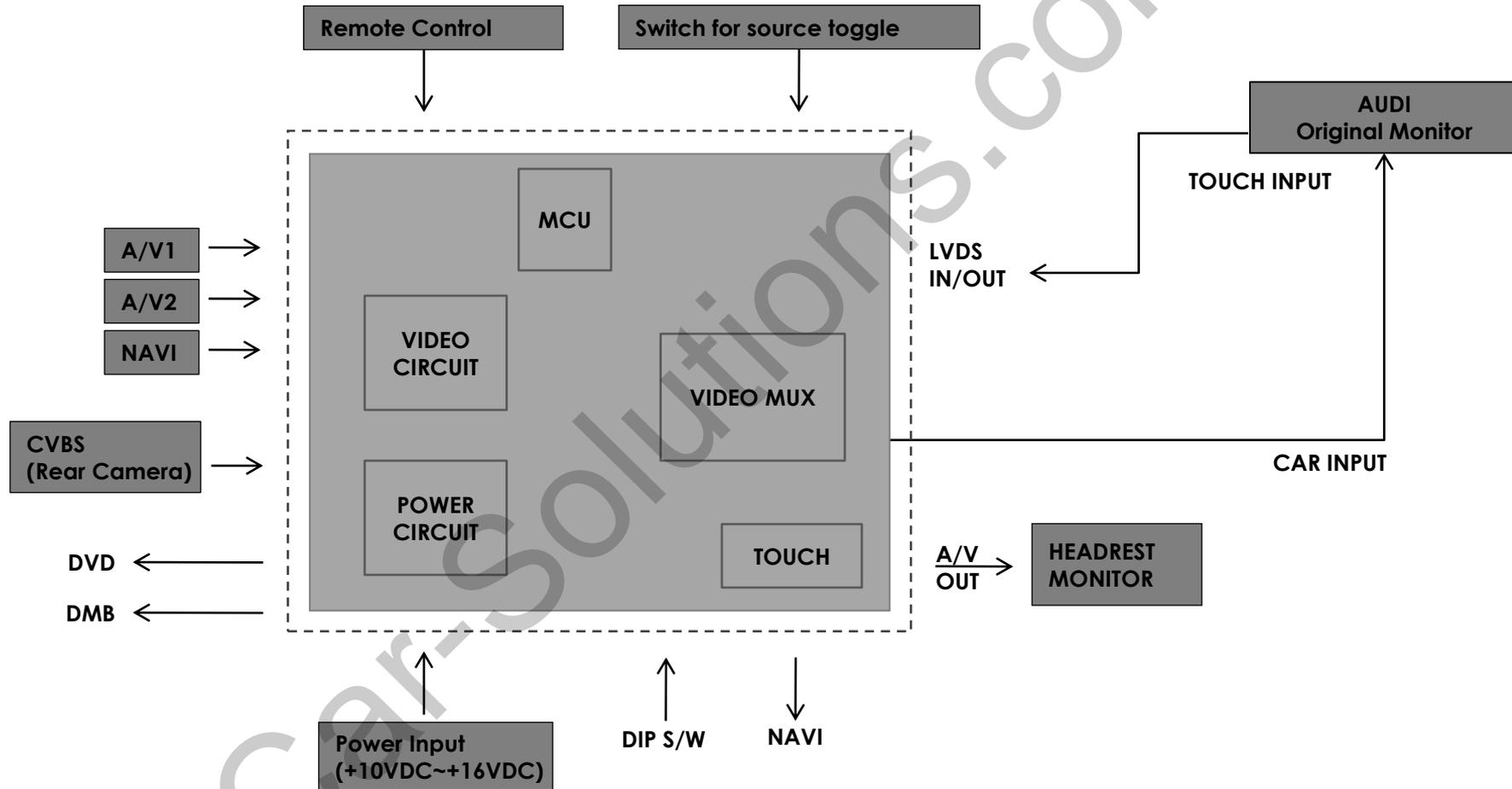
1.2 Features

- Control DVD, NAVI by touch (Optional)
- by inputting value of remote control, DVD, DTV can be controlled

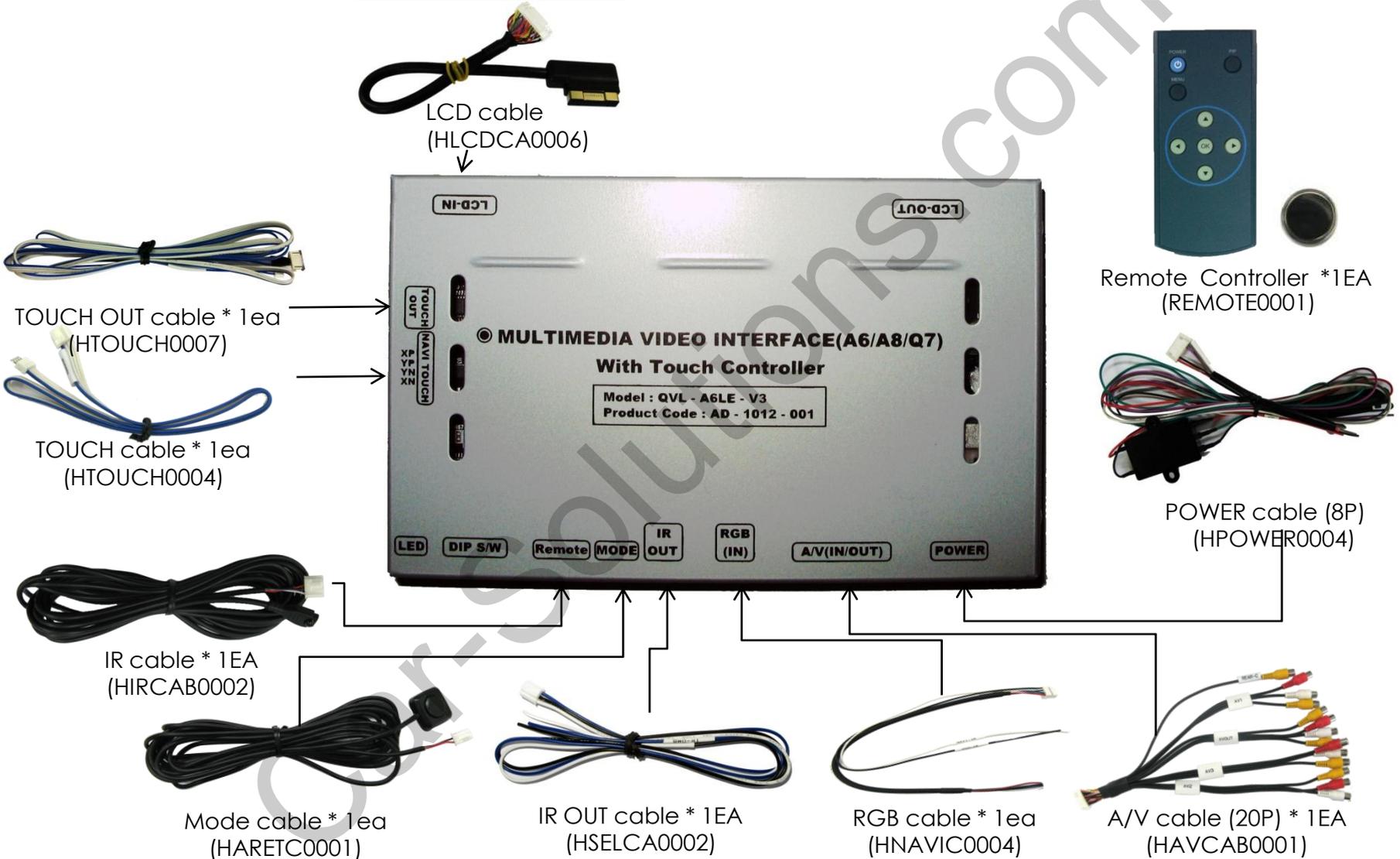
(Refer to page no. 24)

- Plug & Play by LVDS cable
- Own positioning function on RGB&AV mode.

1.3 System diagram



1.4 Components



1.5 Exterior



Dimension

Horizontal length 130mm
Vertical length 105mm
Height 20mm

- ① LCD-IN
- ② LCD-OUT
- ③ TOUCH OUT
- ④ NAVI TOUCH
- ⑤ LED
- ⑥ DIP S/W
- ⑦ REMOTE
- ⑧ MODE
- ⑨ IR OUT
- ⑩ RGB (IN)
- ⑪ AV (IN/OUT)
- ⑫ POWER

2.1 DIP switch

#PIN	Function	DIP S/W selection
1	RGB INPUT skip	ON : Skipping RGB Mode OFF : RGB Display
2	A/V 1 skip	ON : Skipping A/V 1 OFF : A/V1 Display
3	A/V 2 skip	ON : Skipping A/V 2 OFF : A/V2 Display
4		N.C
5		N.C
6		N.C
7	Rear Mode	ON : External Rear Camera OFF : OEM Rear Camera
8	Original Navigation skip	ON : Original Navigation OFF : External Navigation

※ DIP S/W Use Example

[AUDI A6LE]

- Use Input Mode : A/V3(DVD),
Navigation (RGB)
- Rear Camera : External rear camera
- When original Navigation is not installed

- ▷ DIP S/W : 1 → ON
- ▷ DIP S/W : 2,3 → ON (INPUT MODE SKIP)
- ▷ DIP S/W : 4 → OFF (Using A/V3)
- ▷ DIP S/W : 5 → OFF
- ▷ DIP S/W : 6 → OFF
- ▷ DIP S/W : 7 → ON (External rear camera)
- ▷ DIP S/W : 8 → OFF



※ Please make sure to disconnect the power cable of the interface and reconnect the power cable again to apply the dip switch setting whenever changing DIP switch. Otherwise, DIP switch setting will not be applied.

2.2 Remote control

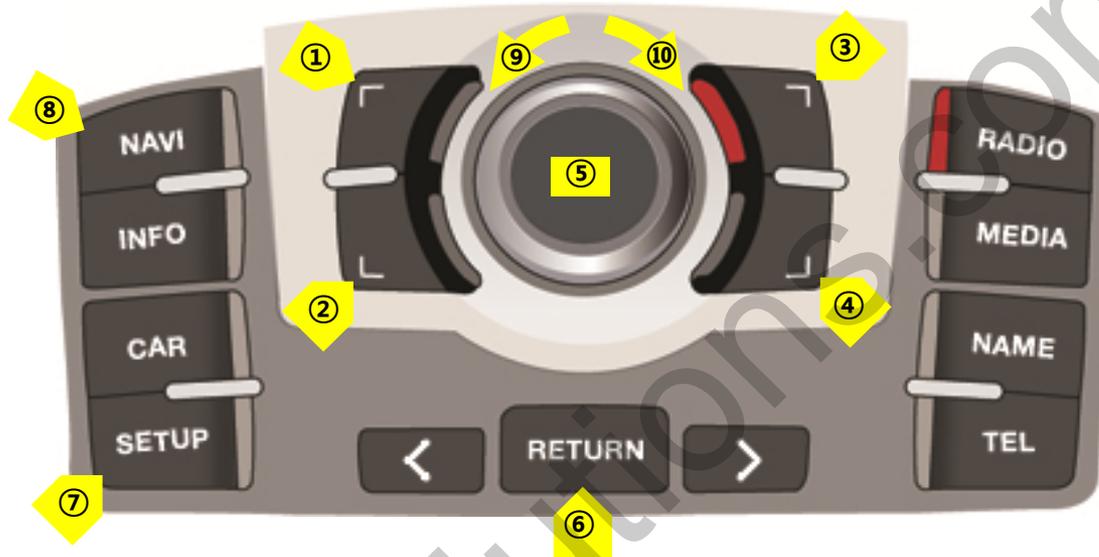
Key	Function
POWER & PIP	Not for use
MENU	OSD implementation
OK	Making a selection
▲	Move upward
▼	Move downward
◀	Move leftward, press 2 seconds long-Factory mode implementation
▶	Move rightward



*FACTORY MODE (Interface setting)

: Operated with pressing ◀ button 2 seconds long or ▲ -> ▼ -> ▲ -> MENU buttons of the remote in sequence.

2.3 Original buttons in car



NAVIGATION implementation unavailable so far

- ① move upward
- ② move downward
- ③ magnification
- ④ reduction
- ⑤ confirm; press 2seconds long-
menu implementation
- ⑥ return; press 2seconds long
- ⑦ setup for destination; press
long 2seconds- driving in night
mode
- ⑧ mode change
- ⑨ move leftward
- ⑩ move rightward

DVD, DTV implementation

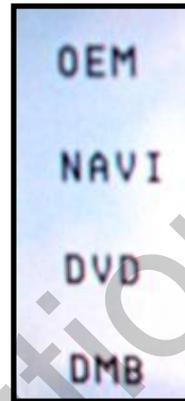
- ⑤ confirm
- ⑨ move counterclockwise
- ⑩ move clockwise

※ If you press any button among the three buttons, DVD/DTV OSD menu will appear on the screen.

2.4 OSD Implementation

OSD implementation - DVD

To implement DVD OSD menu, DVD must be installed in AV1; DVD IR in NAVI cable must be connected with DVD remote control sensor cable.

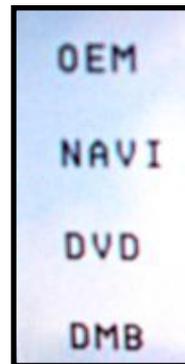
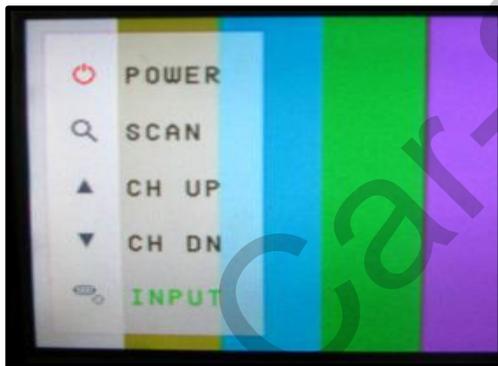


First of all, if you touch the screen on mode "AV1", you can see the menu as shown left. And then if you do NOT touch anything on the screen 5 seconds or more long; or if you touch the screen except the menu, the menu will disappear. At that time, if you choose "INPUT", you can get out of the menu and see the mode change menu. (left picture)

Right picture shows the mode change menu. Select wanted channel, then the channel will be changed.

OSD implementation - DTV, NAVI

DVD, DTV, navigation menu is available in English or Chinese. After implementing OSD menu with pushing "MENU" button on remote control, choose the language that you want to use.



Same with DVD, if you touch the screen on mode "AV2", you can see the menu as shown left. And then if you do NOT touch anything on the screen 5 seconds or longer; or if you touch the screen except the menu, the menu will disappear. (left picture)

Right picture shows the mode change menu. Select wanted channel, then the channel will be changed..

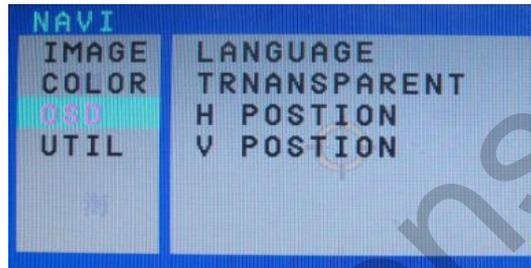
2.5 OSD (on screen display)

OSD menu: Press "MENU" button on the remote control.

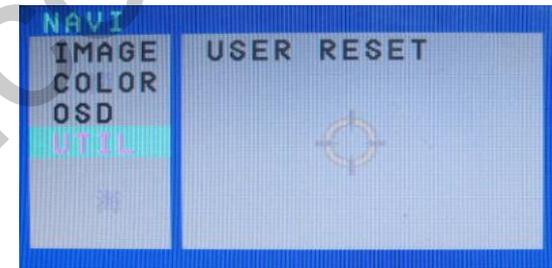
Analog RGB



Analog RGB



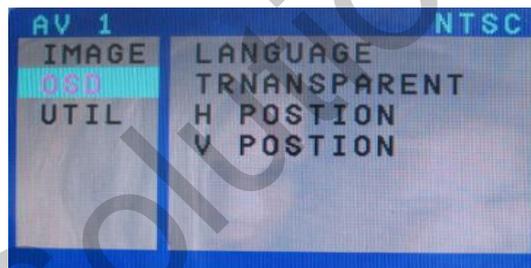
Analog RGB



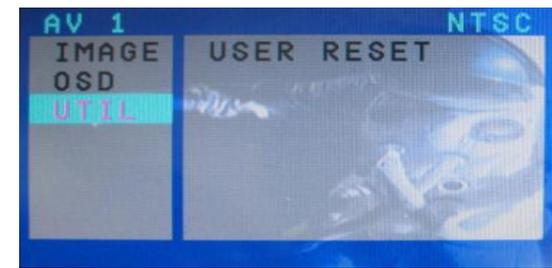
Video



Video



Video



IMAGE

- BRIGHTNESS
- CONTRAST
- SATURATION
- HUE
- SHARPNESS
- USER IMAGE : To choose a option among 4 prepared color shade.

OSD

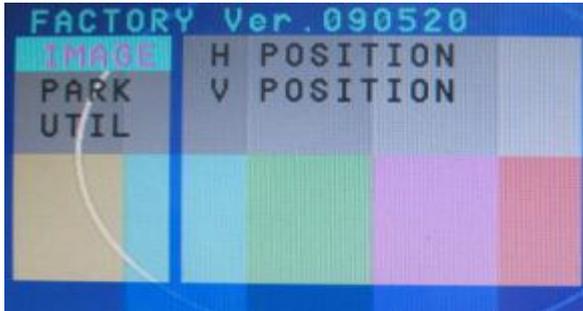
- LANGUAGE : Choosing OSD language while using Touch OSD (English, Chinese only)
- TRANS : Transparency control of the OSD background
- H_POSITION : Horizontal movement of the OSD window
- V_POSITION : Vertical movement of the OSD window

UTIL

- USER RESET : OSD MENU RESET

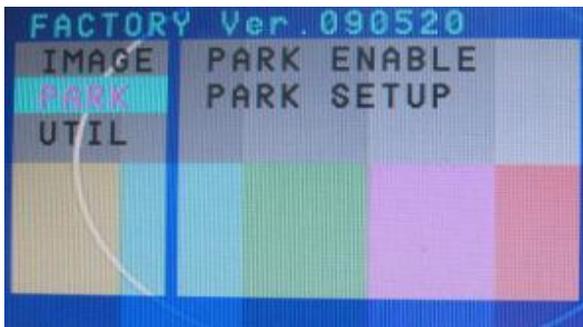
2.6 Factory mode

Factory mode: press ◀ button 2 seconds long.



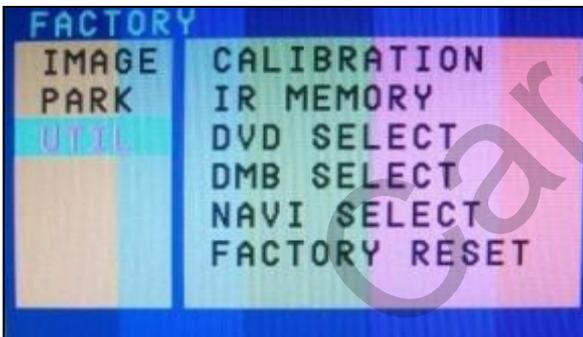
IMAGE

- H-POSITION : Control over horizontal movement of screen
- V-POSITION : Control over vertical movement of the screen



PARK

- PARK ENABLE : Setup of rear view parking guide line
- PARK SETUP : Control over position of rear view parking guide line
(Refer to page14.)



UTIL

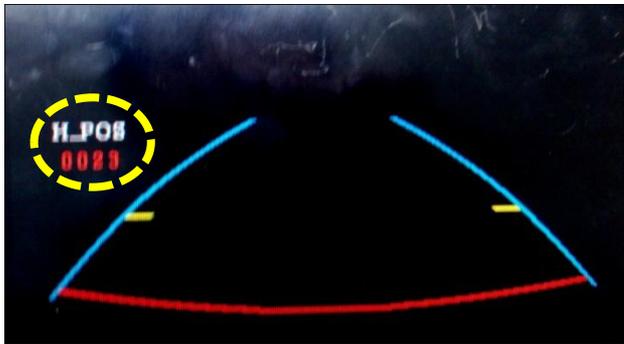
- CALIBRATION : Touch calibration (Refer to page15.)
- IR MEMORY : To register value of buttons on the remote control
(Refer to page16~17.)
- DVD TYPE : Setup for the type of DVD (Refer to page18.)
- DMB TYPE : Setup for the type of DTV (Refer to page18.)
- NAVI SELECT: Setup for the type of NAVI
- FACTORY RESET : To reset all the value in factory mode

2.7 Rear view parking guide line

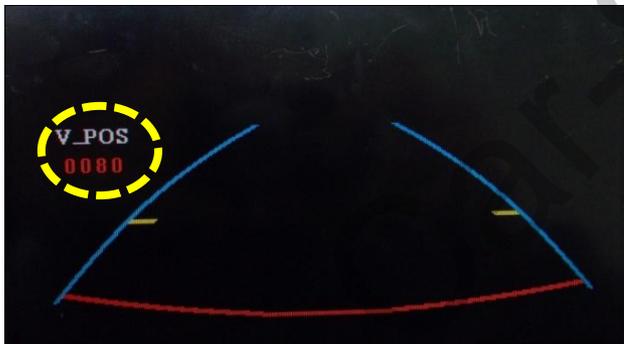
Factory mode: Operated with pressing ◀ button 2 seconds long or ▲ -> ▼ -> ▲ ->MENU buttons of the remote control



① Register the value needed on the "PARK ENABLE" as "ON" in the PARK section as shown left. **(default – ON)**

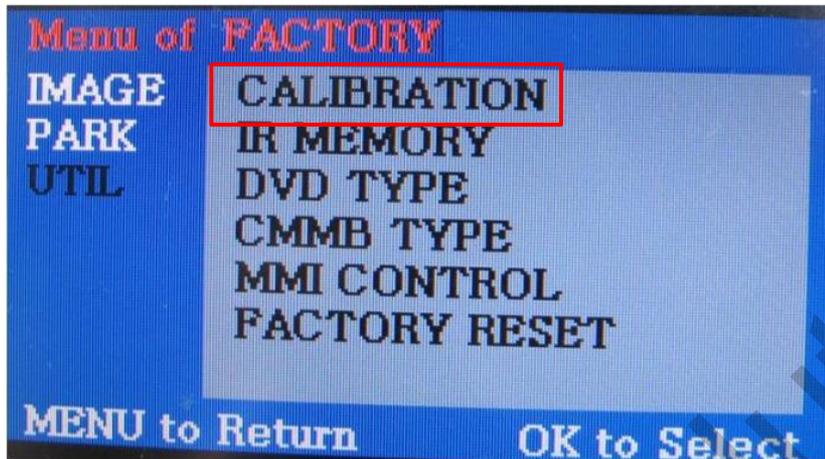


② If you put rear gear after setup, parking guide line will appear on screen as shown left. Now that you push "OK" button, you can see "H-POS" on the left of screen. Then adjust horizontal position of the guide line.



③ After adjusting horizontal position, press "OK" on the remote control. Then you can see "V-POS" on the left of screen. At that time you can adjust vertical position of the guide line.

2.8 Touch calibration



① First of all, press ◀ button on remote control 2 seconds long. Then you can access to the FACTORY mode.

② Register "YES" when the CALIBRATION option is selected as shown above.

③ Then you can see "touch calibration" on screen **about 2 seconds long** as shown above. After the word "touch calibration" disappear, touch calibration function will implement. (Just touch "+" shape on screen.) If you succeed, you can see "success". If not, you will see "failure".

2.9.1 Remote control Button

Registering value of remote control buttons?

To control DVD and DTV via touch screen (using OSD menu) with other models besides already registered option-SANYO and NECVOX, you can register value of DTV and DTV' s remote control which you have. Then you can control DVD and DTV via touch screen.



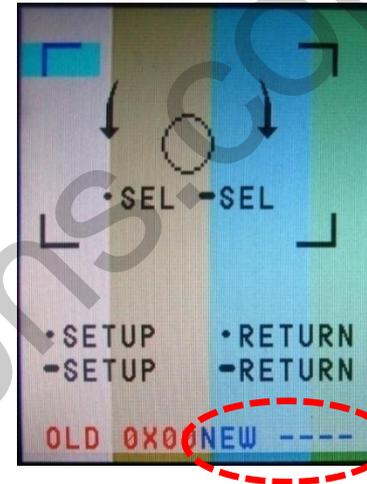
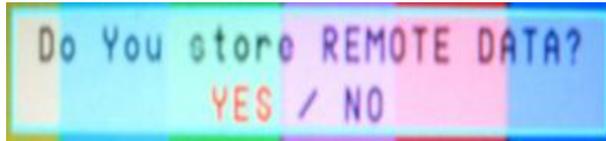
- ① First of all, press ◀ button on remote control 2 seconds long. Then you can access to the FACTORY mode. And go to IR MEMORY, UTIL. There are two options in IR MEMORY as shown above; DTV and DVD. Then you select AV source that you want to set among them.
- ② This is a window for register of DVD' s remote control button value. At the moment just select a menu that you want to save.
(Select "DTV in options of IR MEMORY" if you want to save values of DTV' s remote control. And follow the instruction below.)

Instruction>

- a. Select "POWER" in OSD menu, then press "OK" on remote control. (as shown above)
- b. If the marked area flickers as shown above, press "POWER" button on the remote control of DVD that you want to use.
- c. The values that you registered will appear as green text in the marked area when pressing the button. And the values will be saved automatically.
- d. Register remain buttons' value in OSD menu like the above-mentioned.

2.9.2 Remote control Button

<MMI Button setting>



- Short press
- Long press

③ After register, select "INPUT" in OSD menu and press "OK". Then you can see confirmation window as shown above. At the moment, if you choose "YES", all the values that you entered will be saved. If you select "NO", the values won't be saved.

(If data is saved, DVD TYPE and DTV TYPE will be changed to "USER" automatically.)

If you see "SUCCESS" on screen, the data is saved clearly and you can control DVD via touch screen. BUT, you MUST change the option in DVD(DTV)/UTIL/FACTORY to "USER". (Refer to page18.)

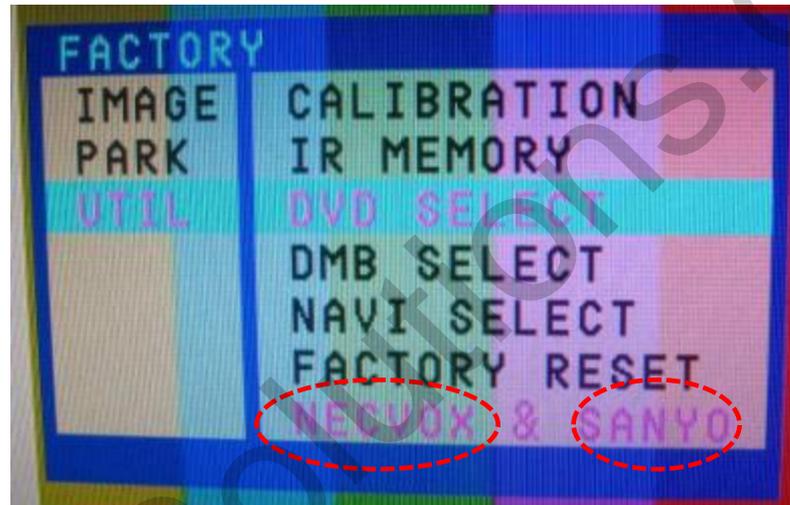
-Picture above shows MMI Button Setting, select the menu that you want to save.

EX) For "POWER" button

1. Select OK button on the remote in OSD menu, the marked point in left picture blinks.
2. When the left marked point blinks, Press "POWER" button of your remote.
3. As soon as the "Power" button is pressed, it's button value is displayed in the screen, it will be saved automatically.
4. As the same procedure, you can save other buttons.

2.10 DVD, DTV Model selection

Factory Default : DVD TYPE – NECVOX/SANYO (For Chinese DVD)
DMB TYPE – CMMB (For Chinese DTV)

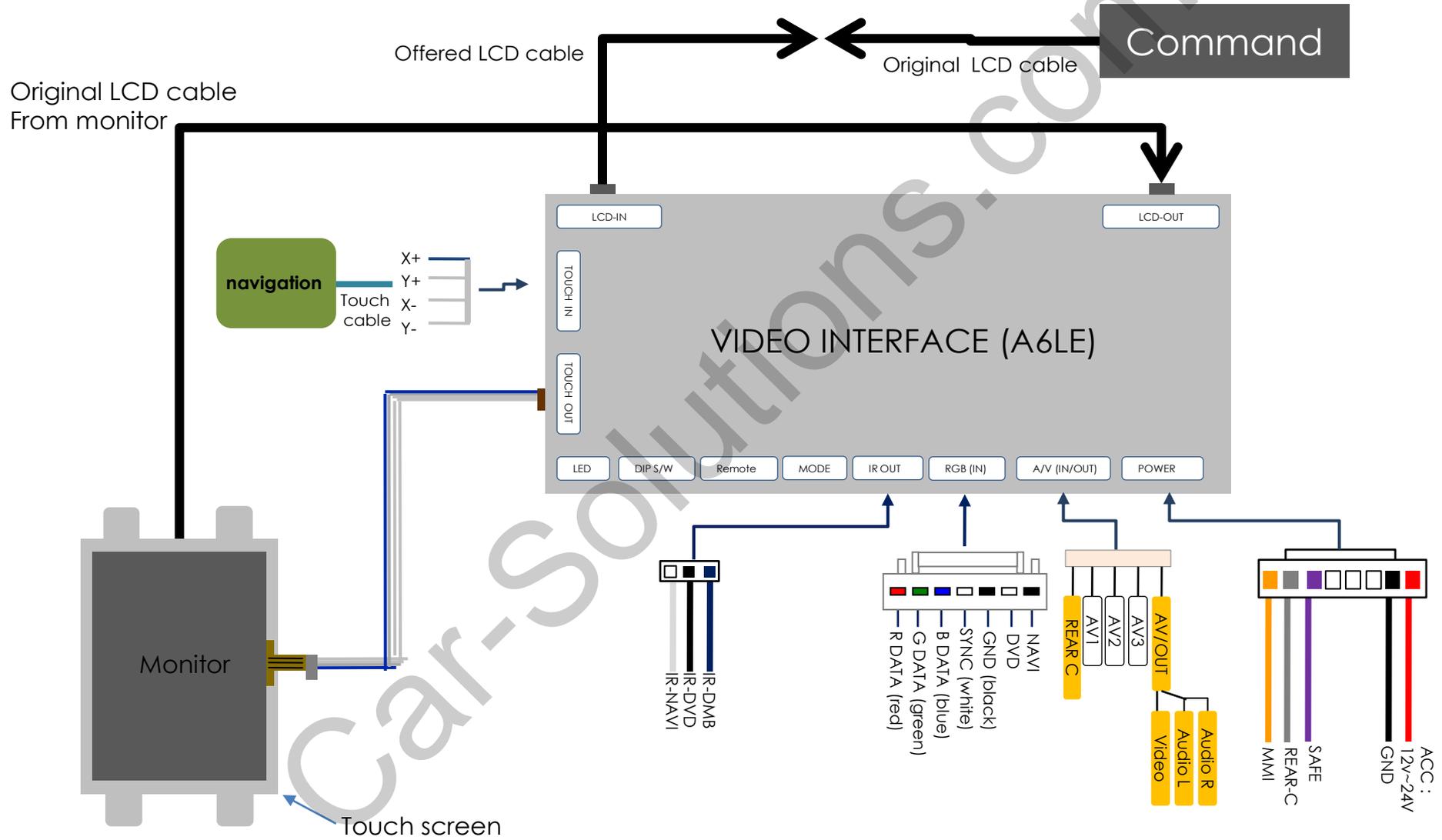


UTIL – DVD/DTV TYPE

If DVD/DTV type that you want to use is not NECVOX or SANYO, you have to register values of the remote control that you want to use in the "IR MEMORY" section and set the "DVD TYPE"/"DTV TYPE" to "USER". Unless you do this process after saving the data, you can NOT control DVD/DTV via touch screen.

※ If you enter data in "IR MEMORY" section in FACTORY mode, "DVD TYPE"/ "DTV TYPE" will **automatically** be saved to "USER".

3.1 Installation diagram



3.2 Pre-installation notices

- During installation ignition key should be taken off and after all installation finish connect power cable with interface for the last step.
- Power cable should be separated when connecting interface.
- Should there is no any electronic devices or magnetic pole around installation place.
- All steps of installation should be done by well-trained specialist.
- Dismantling without manufacturer's permission can not be guaranteed, (No permission to break attached label on the board.)
- Kindly check all parts are in the box, when receiving the product, if anything missing, inform to the supplier or manufacturer.
- According to our sales policy, any problems caused by user's mistake, careless can not be guaranteed.
- It may not work on a camera running 12V

3.3 Installation



1. Remove screws on Glove box.



2. Open Glove box after removing screws on Dash board.

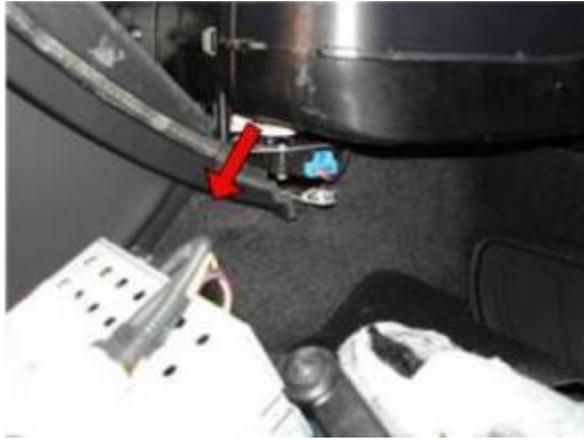


3. Open fuse box in front of passenger seat Remote swears.



4. Pull the glove box out to take apart

3.3 Installation



5. Remove CD Changer



6. Before Installation, Must unplug the red Original Power plug.



7. As the picture, remove the metal sleeve.

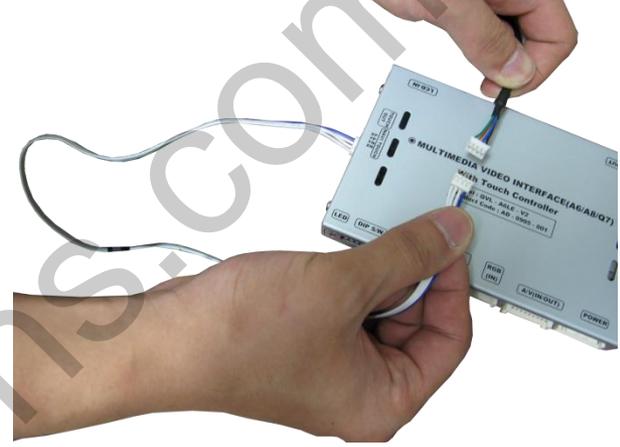


8. Separate the cable from the car

3.3 Installation



9. Connect the provided LCD cable to OEM cable from Command.



10. Connect NAVI TOUCH Cable with Navigation.



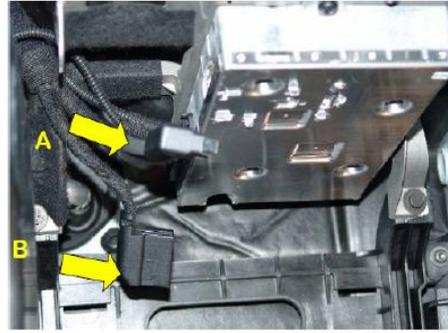
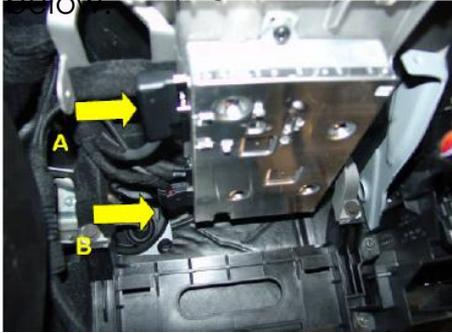
11. Connect Touch Out cable to Touch from Monitor.



12. Finish

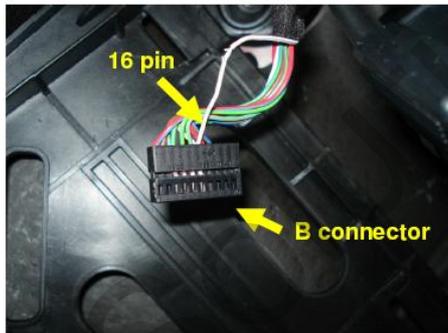
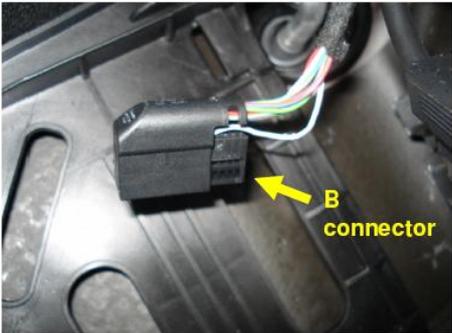
3.4 Using Original NAVI BUTTON

※ When you use the mode change function via original navigation button, you have to connect 16pin as shown below.

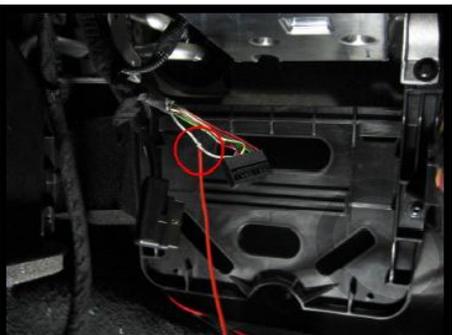


① Attention!!

Find A, B Connectors of MMI module.
For safety, unplug MMI Power Cable (B Connector) and then A connector.



② Find 16th pin after uncovering B connector.



③ Connect Navi orange wire from Power cable to the 16th pin of the connector.

4. Troubleshooting

Q. I can not switch A/V sources.

A. Check IR or Ground cable connection. Check LED lamps in the interface, if it is not on, check power cable.

Q. All I got on the screen is black.

A. Check second LED lamp of the interface , if it is off, also check A/V sources connected are working well or not.
(Second lamp indicates AV sources connected works well.) Check interface connection.

Q. Displayed image color does not appear normal. (too dark or improper color)

A. Try to select "INITIAL" in OSD menu, if it does not work, inform the manufacturer.)

Q. Rear camera image does NOT appear.

A. Set DIP switch #7 in "ON"

Q. Unwanted A/V mode is displayed. (A/V source switching order : OEM->RGB->AV1->AV2->AV3)

A. Check DIP Switch Setting.

Q. OEM image is not displayed.

A. Check interface's LCD In/Out cable connection. If the status keeps on, inform the manufacturer.

Q. Screen only displays white color.

A. Check LCD out cable is connected well, if this status continues, inform the manufacturer.