AUDI A6 LE with Touch Screen (with MMI version)

Last Updated Date : 26th. May. 2009

–. MODEL: QVL–A6LE–V6

–. Product Code : AD–0905–001

INDEX

-AUDI A6 LE Feature

- Control DVD, NAVI by touch (Optional)

- Remote button value copy function (Refer to page no. 24)

  (Only available in models with remote)

- More convenient installation via sub-board.

- Plug & Play by LVDS cable

- Own positioning function on RGB&AV mode.

-Precaution
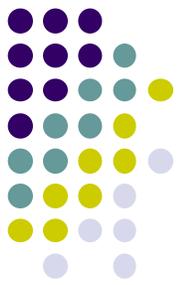
- You must keep the car key taken off from the car while you work this and finally, connect power of the interface.

- When to connect the interface cable, you must keep the power cable taken off.

- You must work this at the environment without any static electricity or damages.

- All of process on this installation should be done by professionals.

- You must not break the labels attached on the board, if it's broken, no warranty.

- When you receive this package you have to check whether there's any parts not included and you have to contact us right away.

- Our repair service do not accept any problems caused by user's any fault or carelessness.

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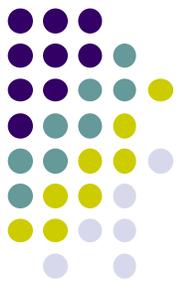
1. Input Spec. (MULTI VIDEO INTERFACE)
   -. 1 x Analog R,G,B,Csync
   -. 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
   - 2 x A/V (NTST & PAL) Input.
   -. 1 x LCD Input (Car system Input)

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 : 8VDC ~ 24VDC
   - 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)

-System Composition

Remote Control

Switch for source toggle

AUDI
Original Monitor

MCU

A/V 1

A/V 2

NAVI

VIDEO CIRCUIT

VIDEO MUX

Touch Input

LVDS In/Out

CVBS
(Rear Camera)

POWER CIRCUIT

TOUCH

Car Input

DVD

DMB

A/V OUT

HEADREST MONITOR

Power Input
(+8VDC~+24VDC)
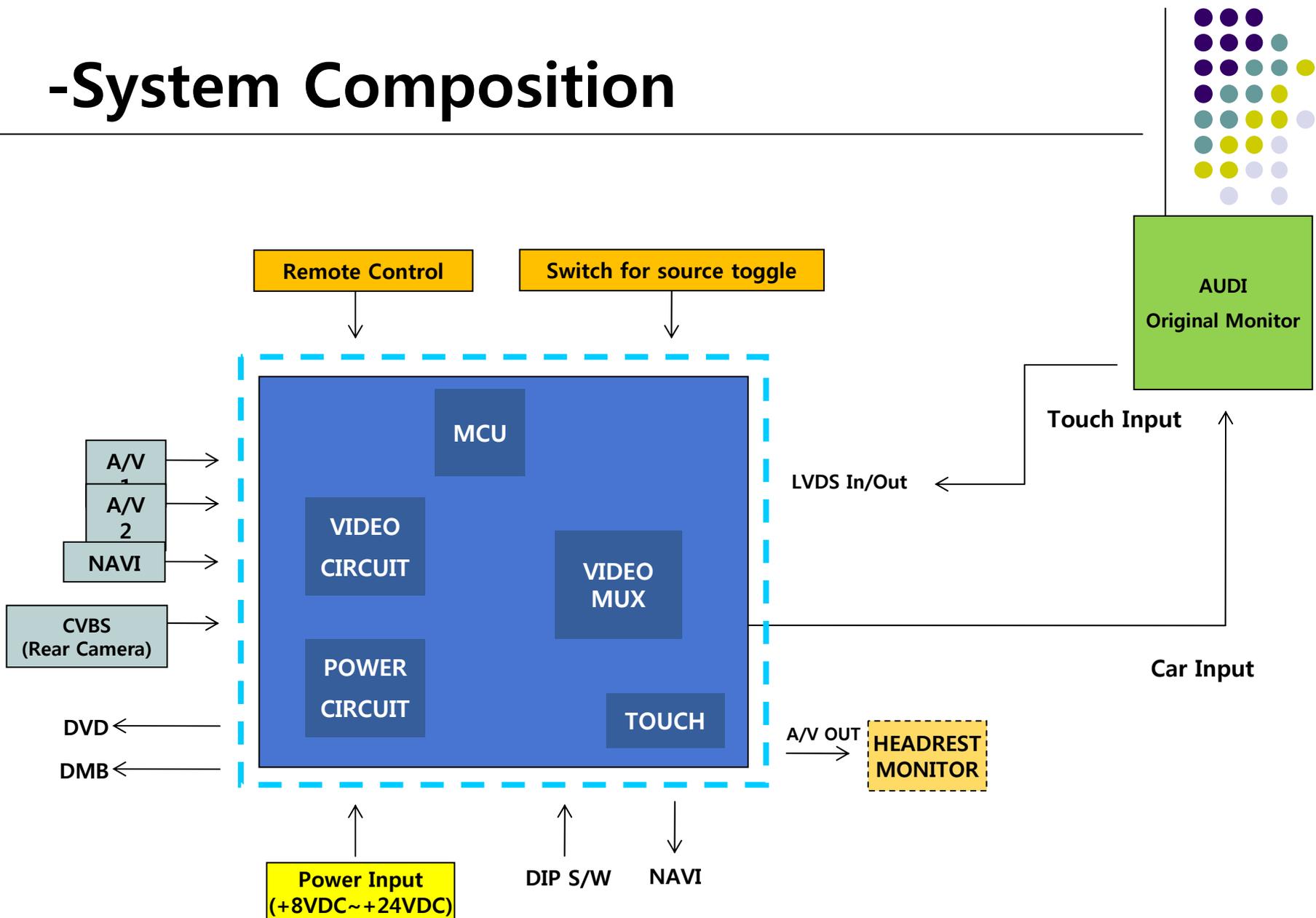
DIP S/W

NAVI

-Outline Dimension

130mm * 105mm * 20mm

-External Look

LCD-IN

LCD-OUT

TOUCH OUT

NAVI TOUCH

◎ MULTIMEDIA VIDEO INTERFACE(A6/A8/Q7)
With Touch Controller

Model : QVL - A6LE - V2
Product Code : AD - 0905 - 001

LCD-IN

LCD-OUT

TOUCH OUT

XP
YP
YN
XN

NAVI TOUCH

LED DIP S/W Remote MODE IR OUT RGB (IN) A/V(IN/OUT) POWER

LED DIP S/W Remote MODE IR OUT RGB(IN) AV(IN/OUT) POWER/CAN
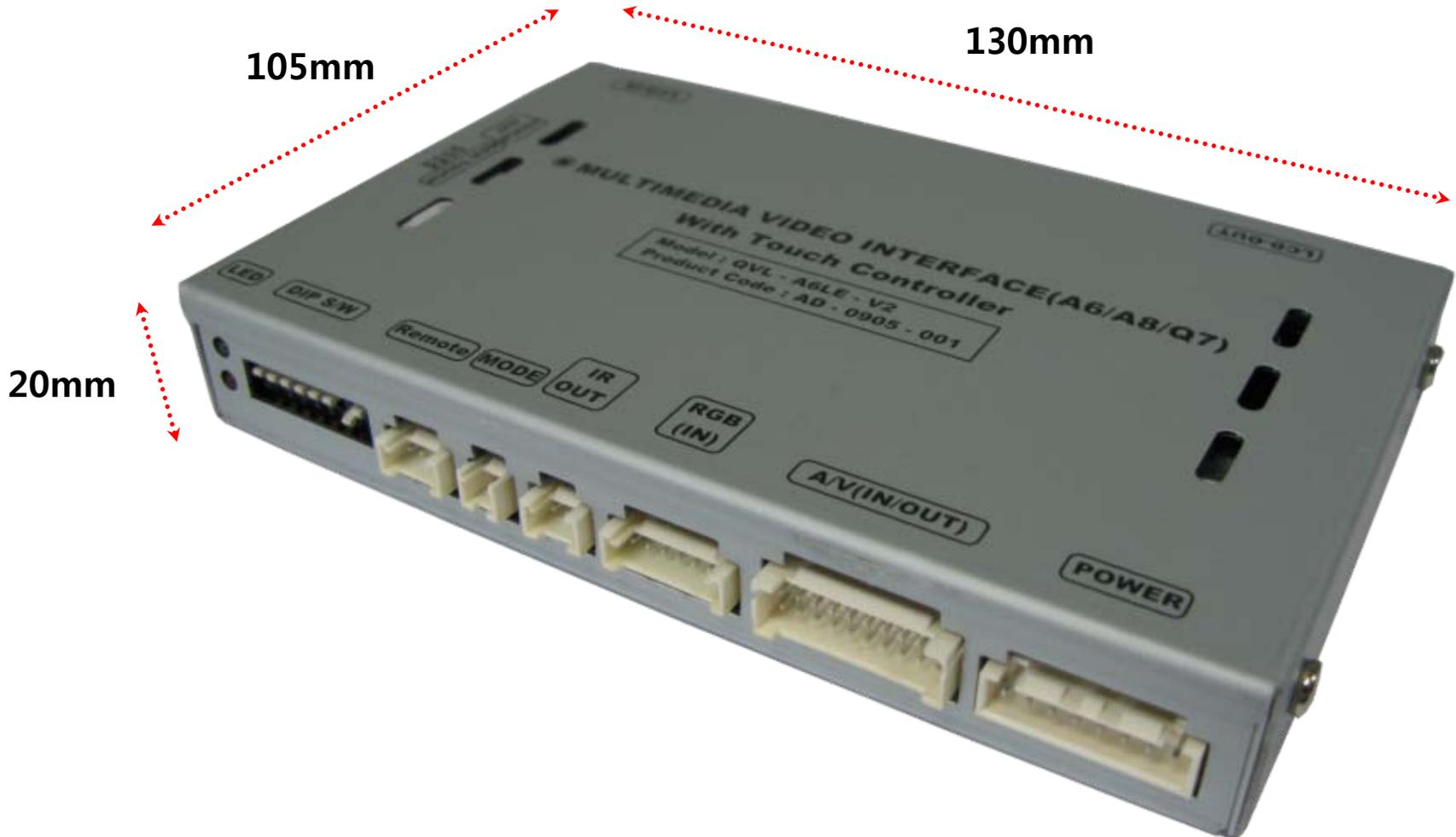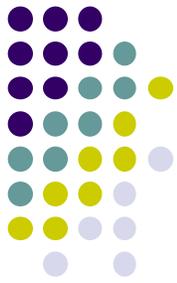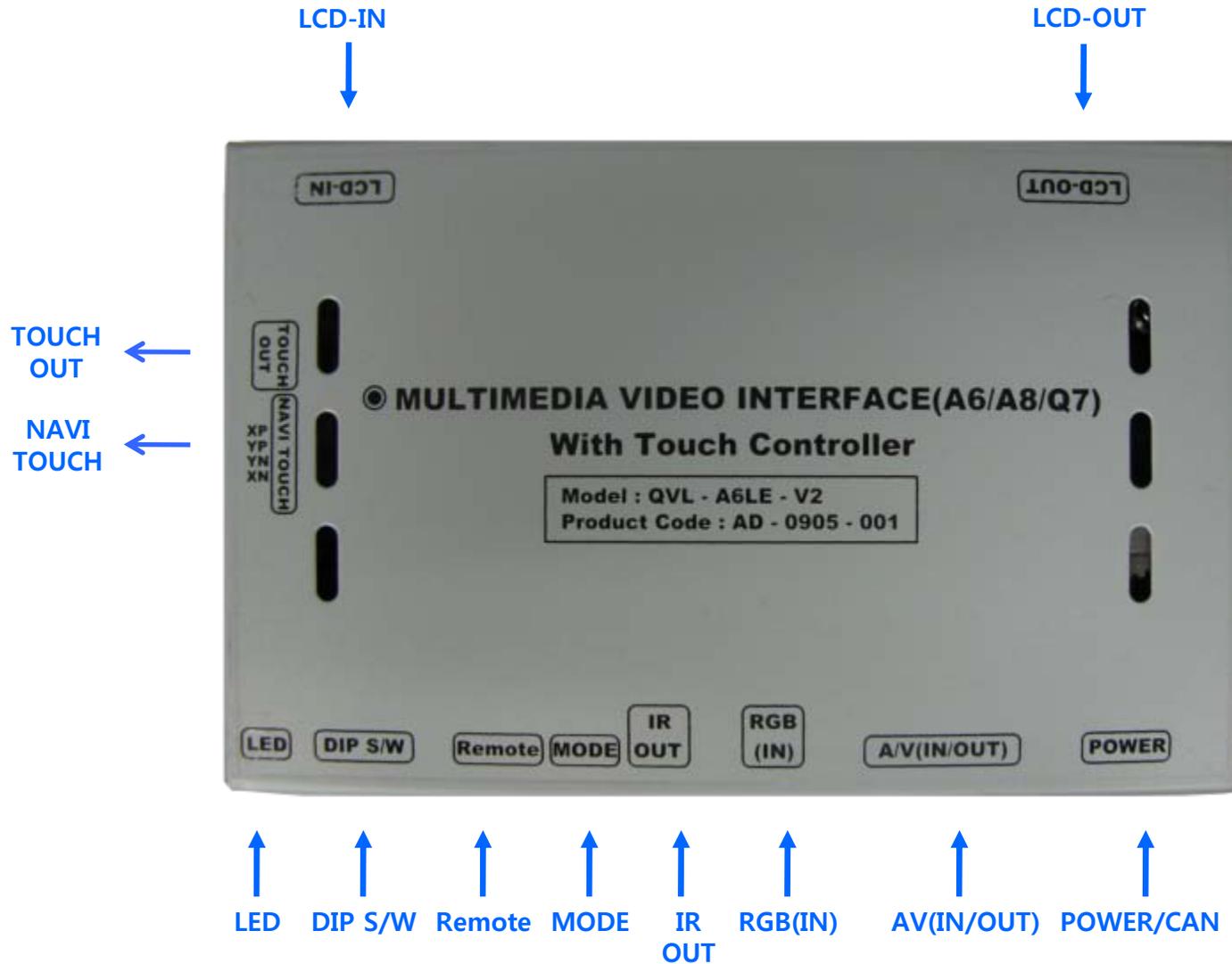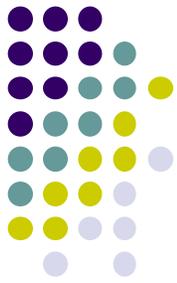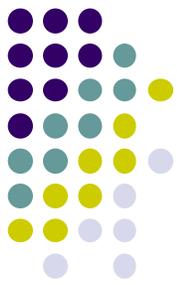
-External Look

LED　　DIP S/W　　Remote　　MODE　　IR OUT　　RGB(IN)　　A/V(IN/OUT)　　POWER

LCD-OUT　　LCD-IN

-External Look
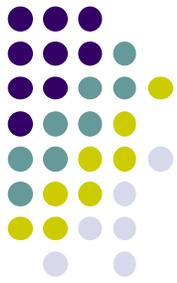
Touch
OUT

NAVI
Touch

Connector Pin Assignment
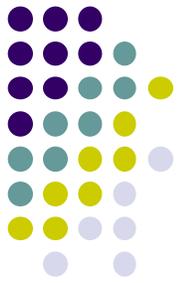
* Power Cable

FILTER & FUSE BOX

ACC : 12v~24V
GND
SAFE
REAR-C
MMI

1m
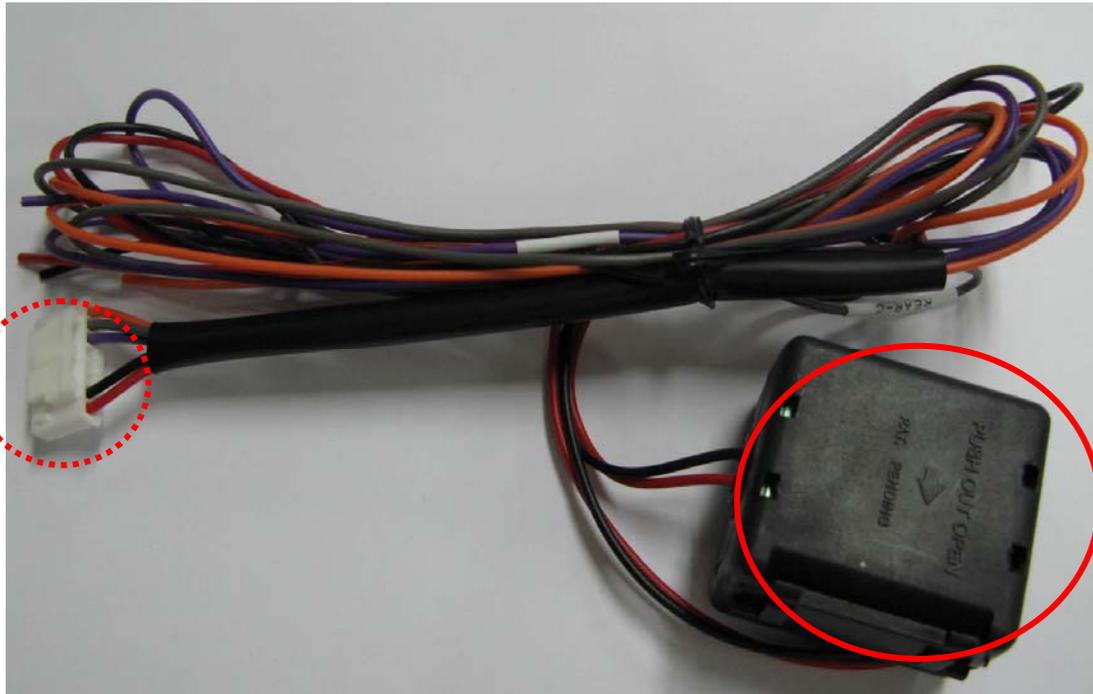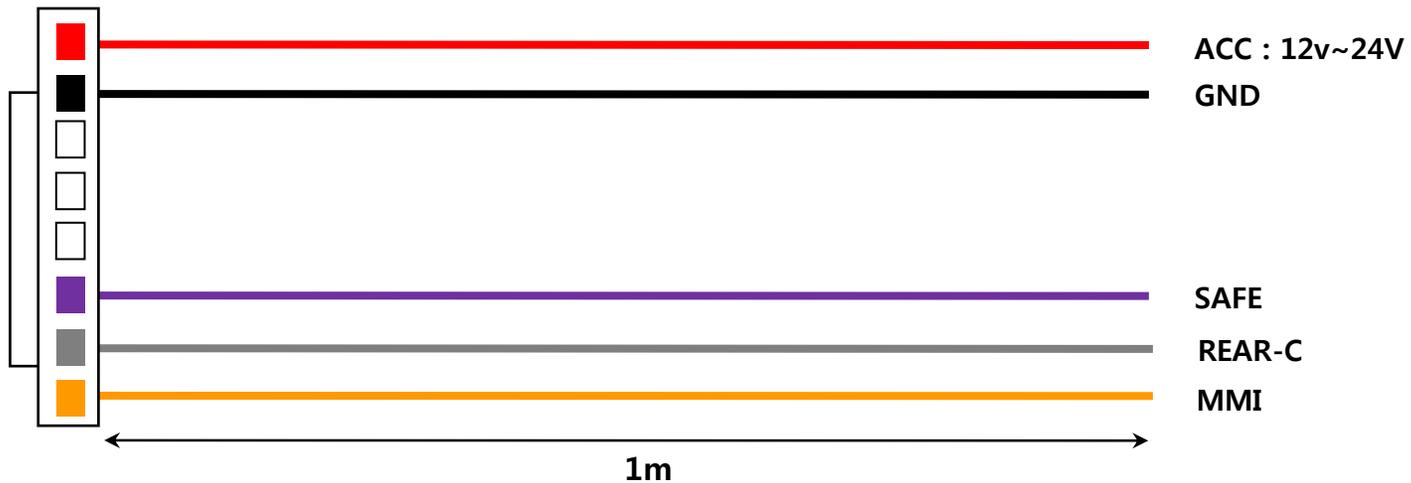
-DIP SW

#PIN	FUNCTION	DIP S/W Selection
1	RGB INPUT MUTE	ON : Skipping RGB Mode OFF : RGB Display
2	A/V 1 MUTE	ON : Skipping A/V 1 OFF : A/V1 Display
3	A/V 2 MUTE	ON : Skipping A/V 2 OFF : A/V2 Display
4	N.C	N.C
5	N.C	
6	N.C	
7	Rear Mode	ON : External Rear Camera OFF : OEM Rear Camera
8	OEM Navi Mute	ON : In case of OEM Navi installed OFF : In case of OEM Navi not installed

※ **ON : DOWN, OFF : UP**

※DIP S/W Use Example

[AUDI A6LE]

-. Use Input Mode : A/V3(DVD),
Navigation (RGB)
-. Rear Camera : When to be installed
on CVBS
-. When original Navi is not installed

▷ DIP S/W : 1 → ON
▷ DIP S/W : 2,3 → ON
(INPUT MODE SKIP)
▷ DIP S/W : 4 → OFF (enable A/V3)
▷ DIP S/W : 5 → OFF (ON)
▷ DIP S/W : 6 → OFF (ON)
▷ DIP S/W : 7 → ON (enable CVBS4)
▷ DIP S/W : 8 → OFF
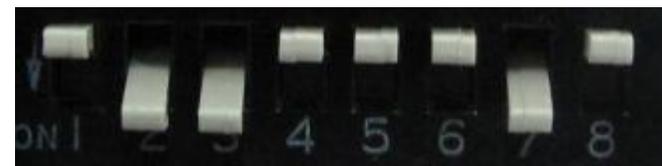
-REMOTE CONTROL
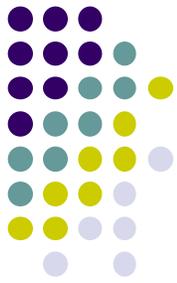
POWER & PIP: N.C

MENU : OSD operation

OK : Select

▲ : Up

▼ : Down

◄ : Left, Long press - Factory Mode operation

► : Right

*FACTORY MODE (Interface setting)

: Operated by long press with ◄ button or
    Pressing UP→DOWN→UP→MENU in order

-MMI BUTTON

\<NAVIGATION\>
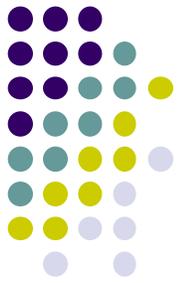
① Up
② Down
③ Zoom In
④ Zoom Out
⑤ Short press : OK
   Long press : Menu window
⑥ Short press : Return
   Long Press : Present Place
⑦ Short Press : Destination
   Long Press : Night mode
⑧ When DIP S/W No. 8 is ON : OEM →
   OEM Navi → RGB (Navi) → AV1 → AV2
⑨ Left
⑩ Right

\<DVD, CMMB\>

⑤ OK

⑨ Move to right

⑩ Move to left

※ Once moves jog-shuttle button, DVD,
   CMMB (DMB) OSD menu appears.

-MMI BUTTON
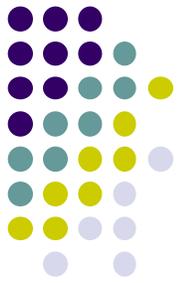
- Whether press ◄ button of remote or press UP→DOWN→UP→MENU in order to get factory menu, and then select "IR MEMORY" in UTIL menu.

- IR MEMORY has DMB, NAVI menu, if choosing NAVI IR, the below image appears.
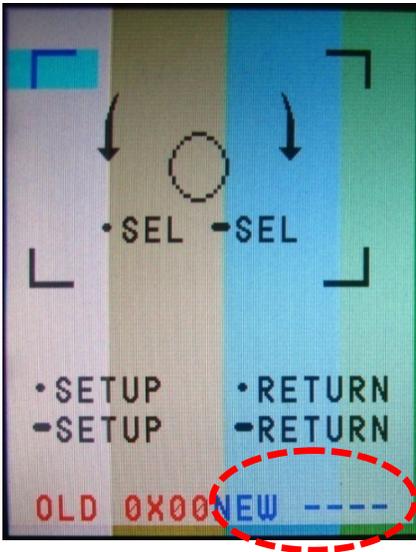
| • Short Press |
| ━ Long Press |

<MMI Button Setting>

- In MMI Button Setting mode as left picture, select one of Menus would like to save.

EX) For "POWER" button

1. Once Select OK button of 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.

-OSD Menu : DVD (Optional)
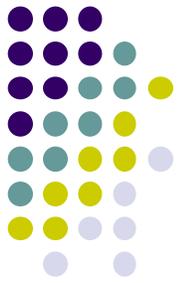
※ **For DVD OSD Menu operated, DVD must be connected with AV1 and DVD IR wire of RGB cable has to be wired with DVD's remote sensor.**

On AV1 mode, once touch the screen, Menu window appears like left picture. If no action for 5 sec or touch any other parts of the screen, this will disappear.

When selecting "INPUT", Menu window for mode switching appears like the below picture.
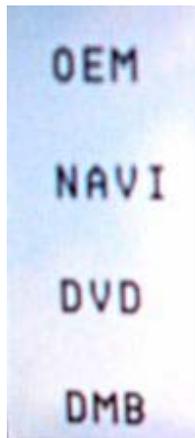
When the Menu appears as left picture, you can switch to as desired by touch.

-OSD Menu : DBM, NAVI
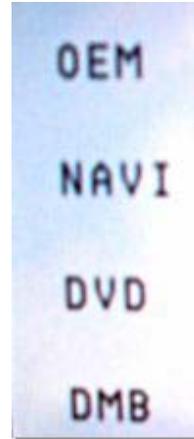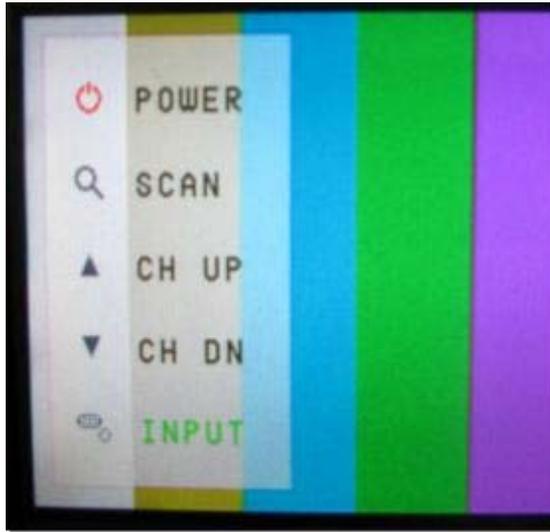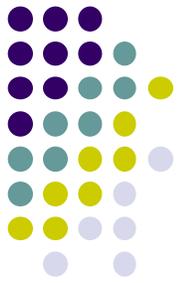
On AV2 mode, once touch the screen, Menu window appears like left picture. If no action for 5 sec or touch any other parts of the screen, this will disappear.

When selecting "INPUT", Menu window for mode switching appears like the below picture.

※ We support 2 languages (English, Chinese), you can select language on OSD Menu

-OSD(On Screen Display)

· Analog RGB Mode


```
NAVI
IMAGE        BRIGHTNESS
COLOR        CONTRAST
OSD          SHARPNESS
UTIL         USER IMAGE
```

· Video Mode
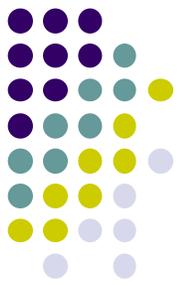

```
AV 1                    NTSC
IMAGE        BRIGHTNESS
OSD          CONTRAST
UTIL         HUE
             SATURATION
             SHARPNESS
             USER IMAGE
```

**IMAGE Menu**

- BRIGHTNESS

- CONTRAST

- SATURATION

- HUE

- SHARPNESS

- USER IMAGE

OSD(On Screen Display)
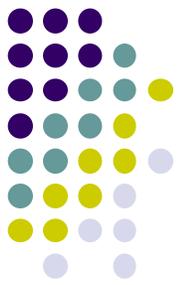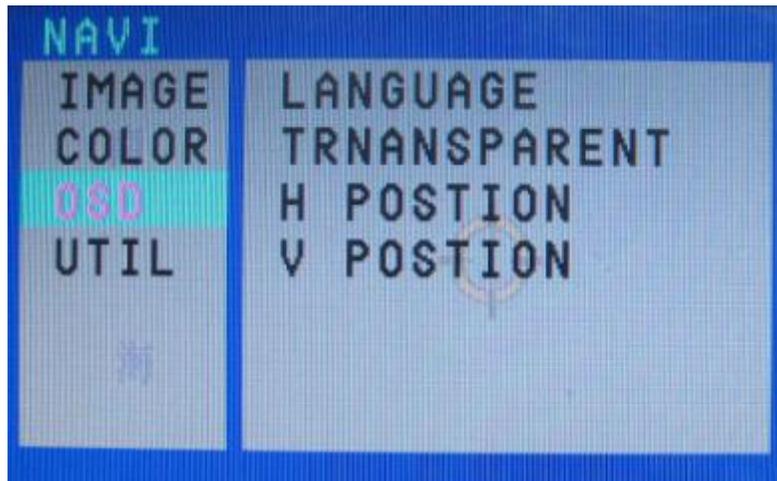
· Analog RGB Mode
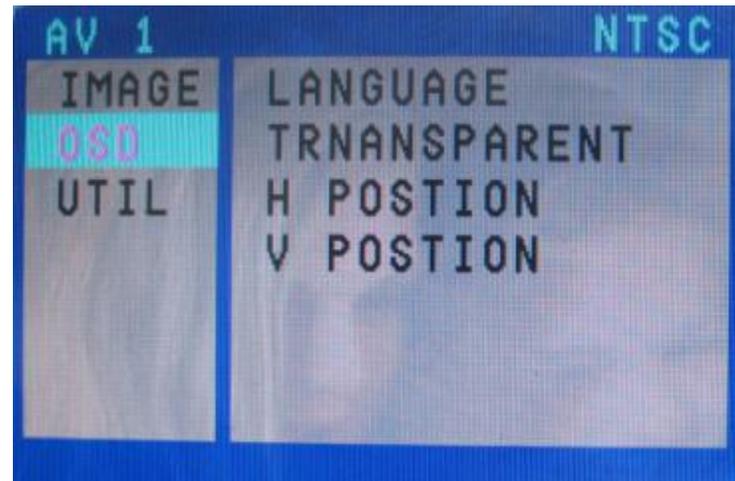
· Video Mode

OSD Menu

- LANGUAGE : Language Select of DVD, DMB OSD (ENGLISH, Chinese)

- TRANSPARENT

- H_POSITION

- V_POSITION

OSD(On Screen Display)
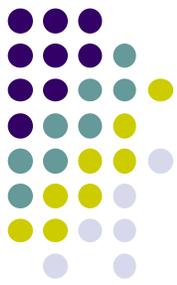
· **Analog RGB Mode**   · **Video Mode**

UTIL Menu :

- USER RESET : Initializing all set values of navi or DVD

# OSD(On Screen Display)
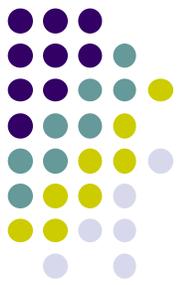
· **Analog RGB Mode**
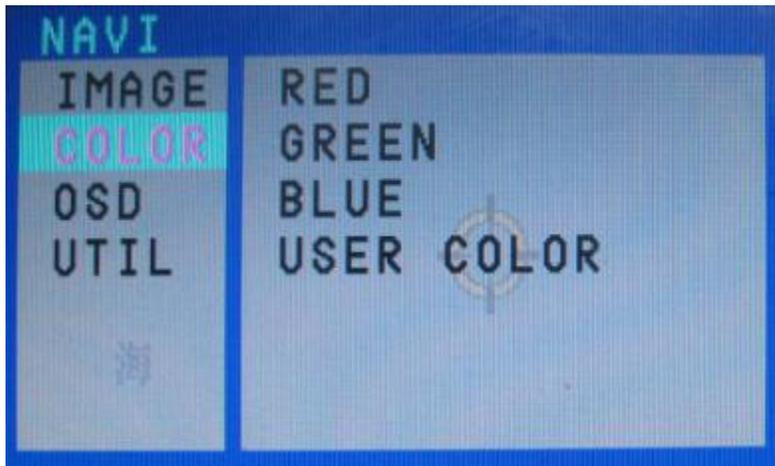
COLOR :

- RED

-GREEN

-BLUE

-USER COLOR

-Factory Mode
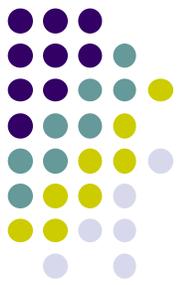
· **Factory Mode-**Operated by long press with ◄ button or
Pressing UP→DOWN→UP→MENU in order
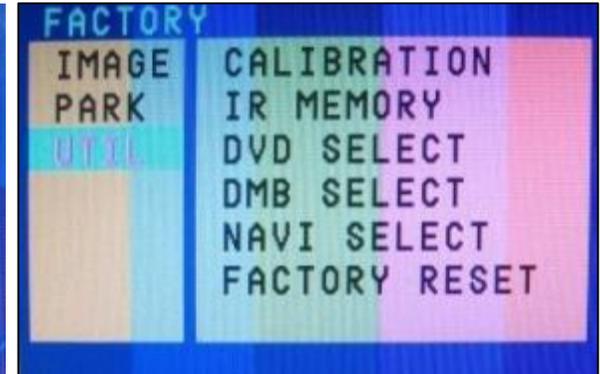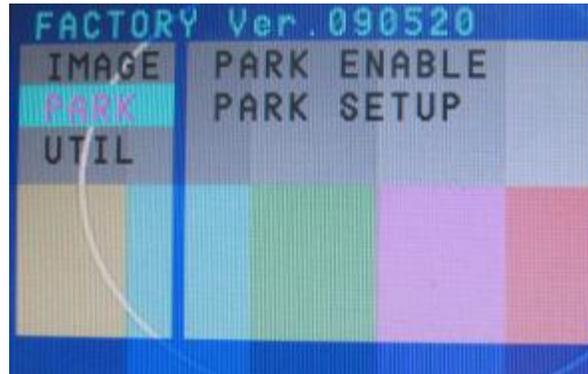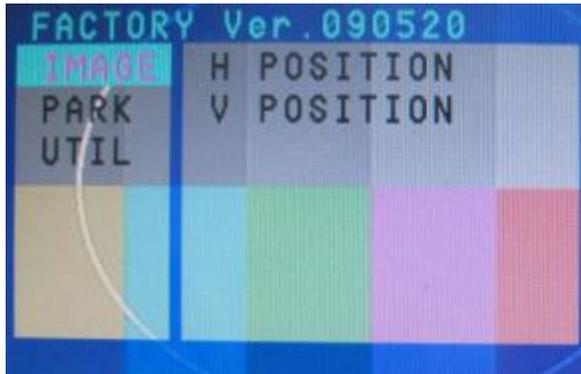
Factory Mode

- **IMAGE** – H-POSITION : Horizontal Image position adjustment

- V-POSITION : Vertical Image position adjustment

- **PARK -** PARK ENABLE : Rear parking Guide line setting

- PARK SETUP : Rear parking guide line position adjustment (Refer to page no. 22)

-**UTIL –** CALIBRATION : Touch Calibration (Refer to page no.23)

- IR MEMORY : Remote button value Memorizing (Refer to page no. 24)

- DVD TYPE : DVD type setting (Refer to page no. 25)

- DMB TYPE : DMB type setting (Refer to page no. 25)

- FACTORY RESET : Initializing

-Factory Mode : Rear parking guide line
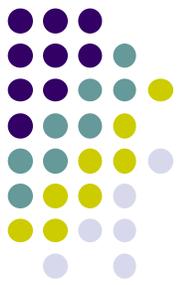
Factory Default : PARK ENABLE – OFF

①

① As left picture, Set "Park Enable" to "ON" in Factory Mode. (Default – OFF)

②

② After the setting done, rear parking guide line will appear in rear gear position. Once press "OK" button, "H_POS" appears at the right and can adjust the line's position.

-Factory Mode : Touch Calibration
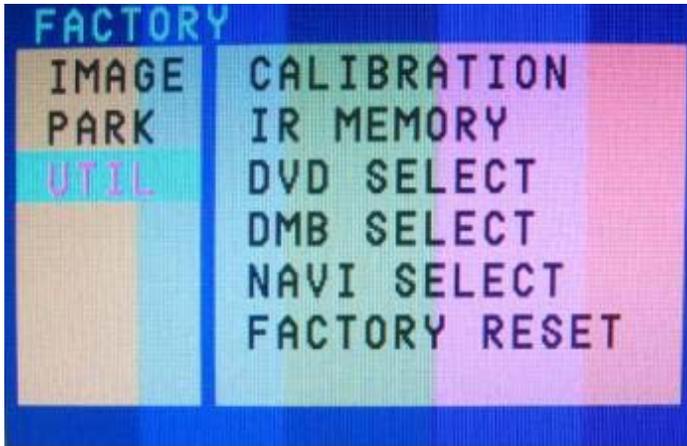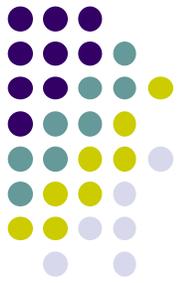
- Set "TOUCH CALIBRATION" to "YES" from "NO" in factory menu
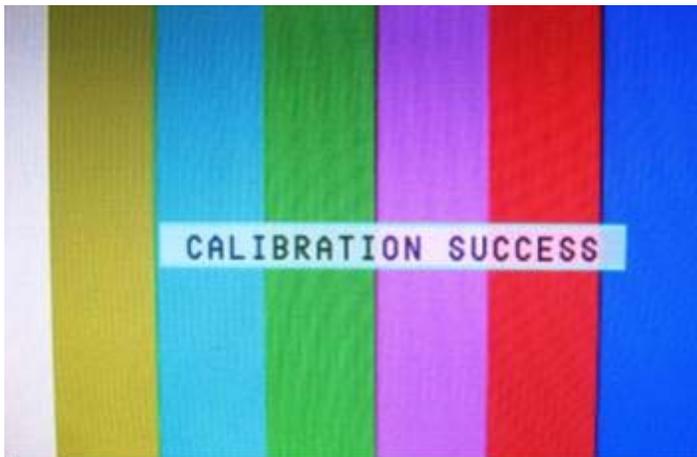
-Factory Mode : IR Memory Function
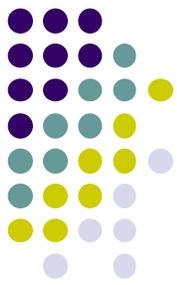
IR Memory Function? If user would like to control DVD or DMB by touch, User can get interface memorize DVD or DMB's remote button value via this function.
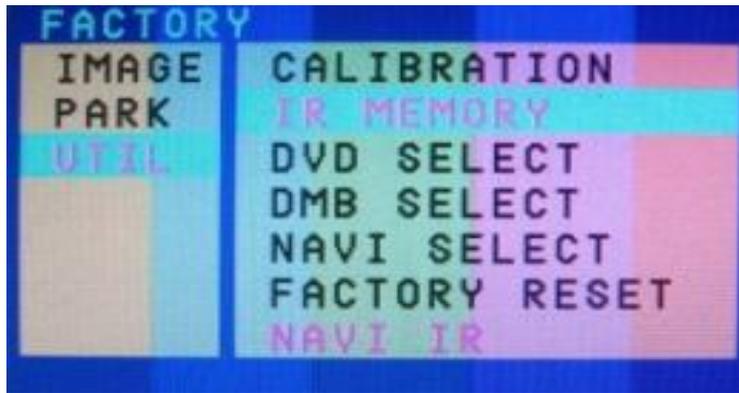
Step 1.) On Factory menu, select "IR MEMORY" and one of DVD, DMB you desire to set.

Step 2.) When the menu as left picture is displayed, choose one of functions displayed.

Step 3.) Confirm with pressing "OK" button of interface remote. Then, as the right part marked in the picture, right part in the window will blink.

Step 4.) Press one button of DVD or DMB remote you like to use for the designated function.

Example) "DVD" IR MEMORY

1. Press "OK" button of interface, after selecting "Power button" like left picture.

2. When the marked part in the picture blinks, press "Power" button of DVD remote you would like to use.

Factory Mode : IR Memory Function
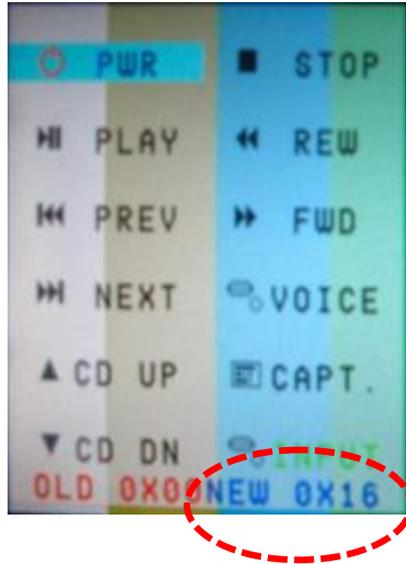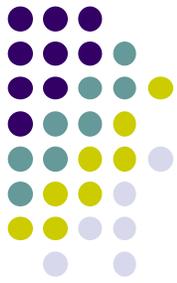
3. As soon as pressing the button, the remote button value displays at the right corner and it is saved automatically.

4. Do other buttons as the same procedure.

Step 5.) After all remote input finished, select "INPUT" on OSD, and press "OK" button of interface remote. Then, as left picture, confirmation window displays and ask confirmation.

-Factory Mode : DVD, DMB Type Selection
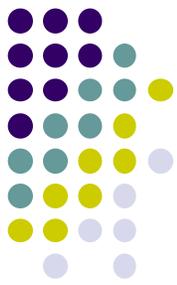
Factory Default : DVD TYPE – NECVOX/SANYO (For Chinese DVD)

FACTORY

IMAGE PARK	CALIBRATION
	IR MEMORY
UTIL	DVD SELECT
	DMB SELECT
	NAVI SELECT
	FACTORY RESET
	NECVOX & SANYO
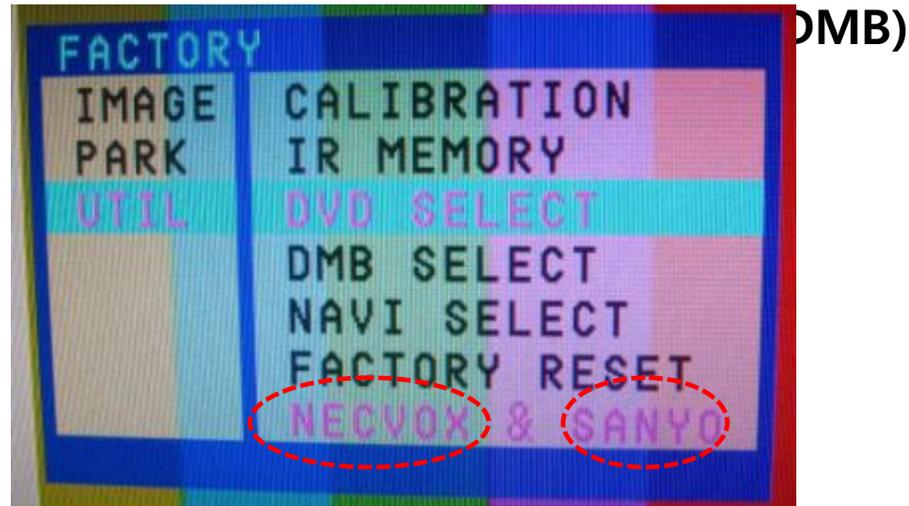
UTIL – DVD TYPE (DMB TYPE)

  : If your desired DVD or DBM is not NECVOX or SANYO, you have to do IR MEMORY and "DVD TYPE" or "DMB TYPE" should be set to "USER"

* If you do not set DVD TYPE, DMB TYPE to "USER", you may not be able to control sources by touch.
  But all setting was saved in "IR MENORY" menu, DVD TYPE, DMB TYPE are selected to "USER" automatically.

-Product Composition
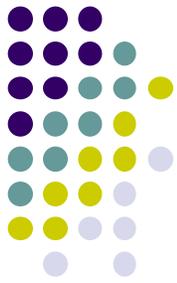
Remote : 1 EA
LCD IN Cable : 1 EA
RGB (Navi) Cable : 1 EA
Toggle Switch : 1 EA
TOUCH Cable(for board) : 1 EA

Power Cable : 1 EA
 A/V Cable : 1 EA
IR Cable : 1 EA
IR OUT Cable: 1 EA
TOUCH Screen Cable : 1 EA

-Installation Structure

제공된 LCD-OUT 케이블

Original LCD Cable

NAVI

터치케이블

XP
YP
YN
XN

LCD-IN

LCD-OUT

TOUCH IN

TOUCH OUT

VIDEO INTERFACE (A6LE)

| LED | DIP S/W | Remote | MODE | IR OUT | RGB (IN) | A/V(IN/OUT) | POWER |

Monitor

Touch Screen

ACC : 12v~24V

GND

SAFE

REAR-C

MMI

MODE

IR OUT

RGB (IN)

A/V(IN/OUT)

IR-DMB
IR-DVD
IR-NAVI

R G B

S Y N C

G N D

REAR C

AV1

AV2

AV/OUT

노랑

노랑

빨강

흰색

VIDEO

AUDIO R

AUDIO L
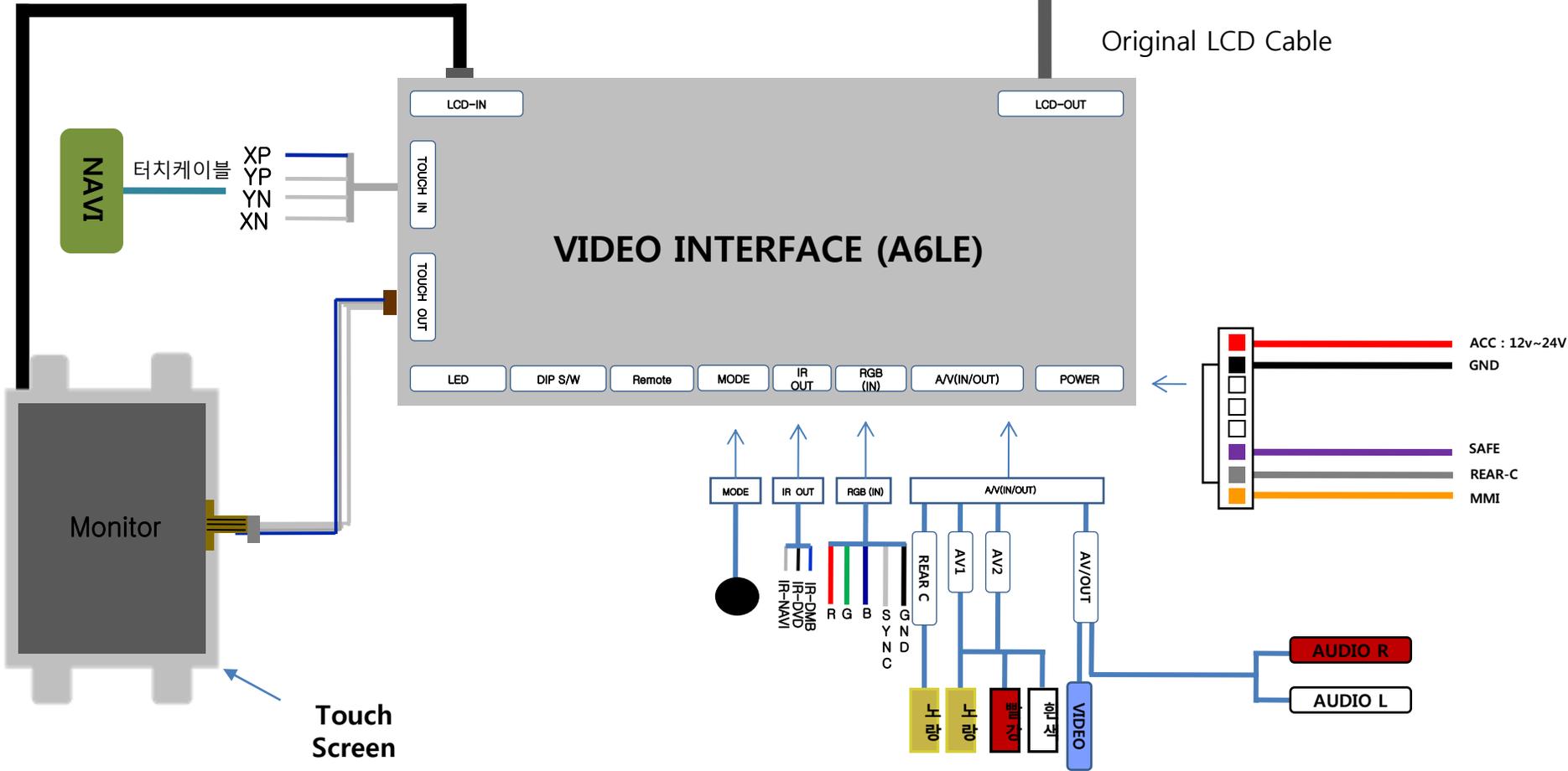
-Installation Guide
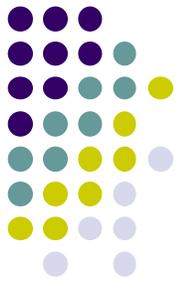
① Remove screws on Glove box.

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

-Installation Guide
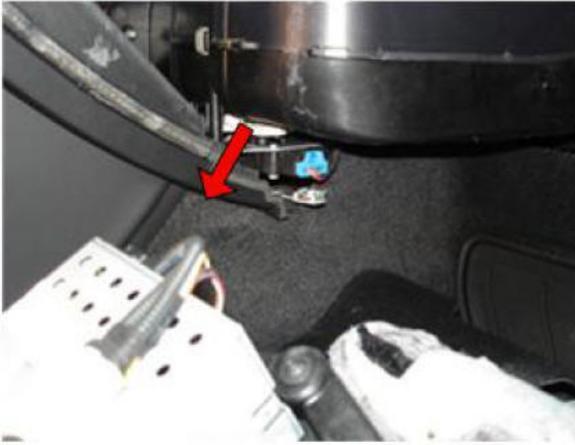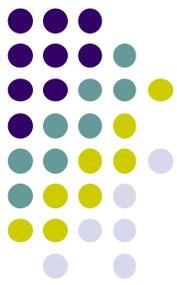
⑤ remove CD Changer

⑥ Before installation, must unplug the red
   original Power plug.

⑦ As the picture, remove the metal sleeve.

⑧ Separate the cable from car.

-Installation Guide
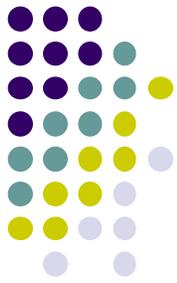
⑨Connect the offered LCD cable to OEM cable from LCD
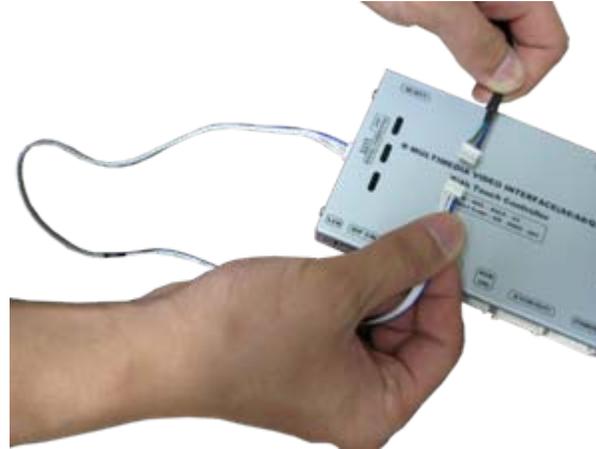

⑩Connect NAVI TOUCH Cable with Navigation.

⑪Connect Touch Out cable to Touch from LCD

⑫ Complete

-NAVI Button
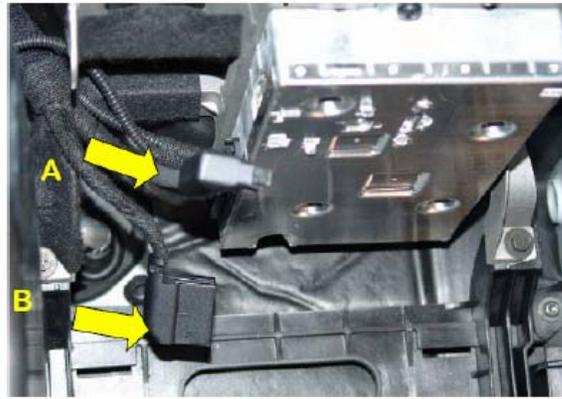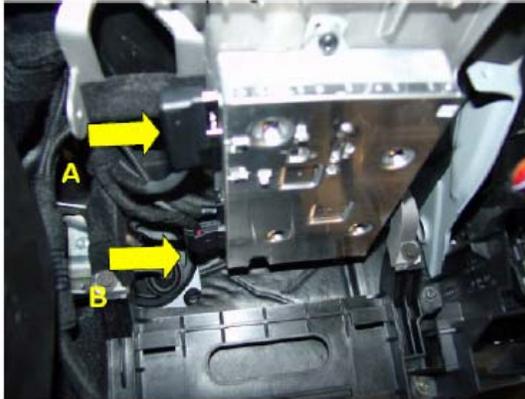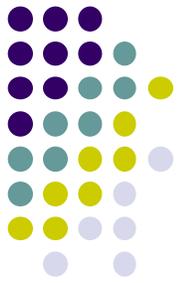
① Attention!! Find A, B Connectors of MMI module.

For safety, unplug MMI Power Cable(B Connector) and then A connector.
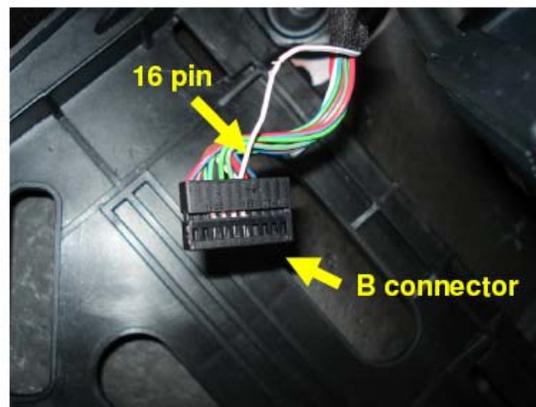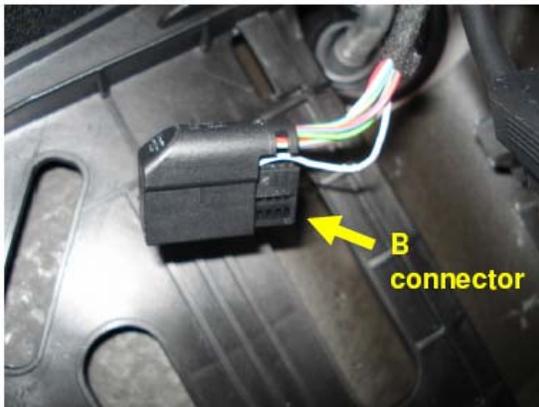
② Find 16th pin after uncovering B connector.

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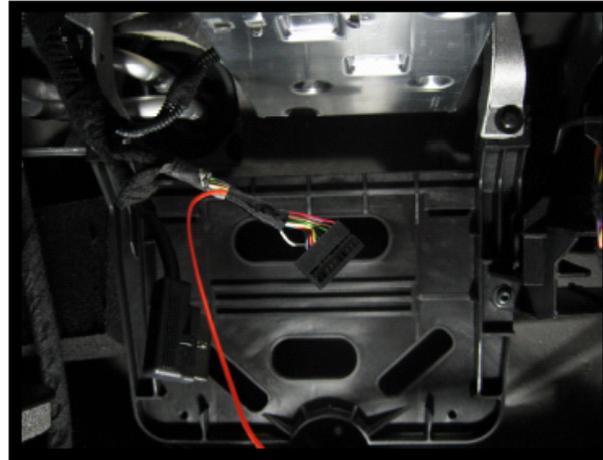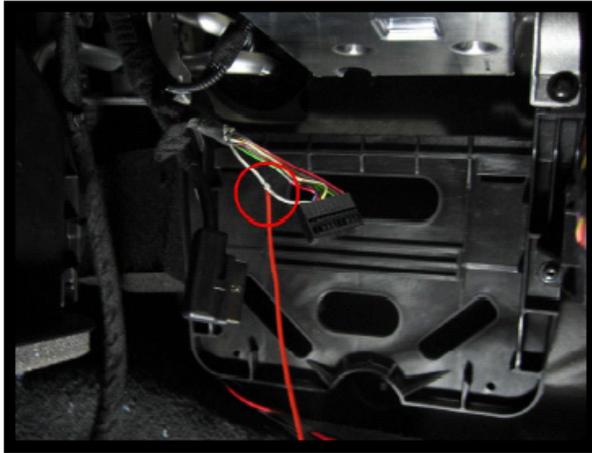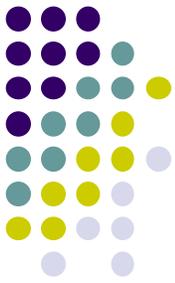
③Connect Navi orange wire from Power cable to the 16th pin of the connector.

-FAQ
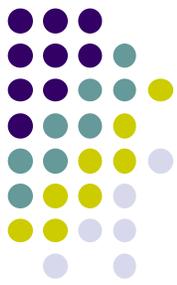
1.   When can not change mode.
     -. Check if the IR Cable (Remote) is connected or not.
     -. Check if LED is turned on or not. If it is not turned on, Check if power cable is connected or not.
     -. Check if CAN is connected well.

2. When the screen is displaying only black color.
     -. Check if 2nd LED is turned on or not. If it is not turned on, please check all video sources that you
        will connect with the interface is operating well or not.
     -. Check if interface is connected well.

3. When displayed color of screen is not proper. (If it's too dark or the color is not proper)
     -. Try to push "Reset button" on the remote control. If the color of screen keeps on displaying wrong
        color, you have to ask manufacturer for the problem.
     -. Try to adjust Color, Contrast, Brightness by the remote.

4. When Back-up camera is not displayed on the screen.
     -. Turn Dip S/W no.7 on.

5. When the mode you set is not skip.
     -. Check if Dip S/W is set in proper way.

6. When Main screen on the car is not displayed.
     -. Check if In/Out cables are connected well. If it keeps showing the same problem, you have to ask
        manufacturer for the problem.

7. When the screen is displaying only white color.

     -. Check if out cable is connected well. If it keeps showing the same problem, you have to ask
        manufacturer for the problem.