

# BMW VIDEO INTERFACE

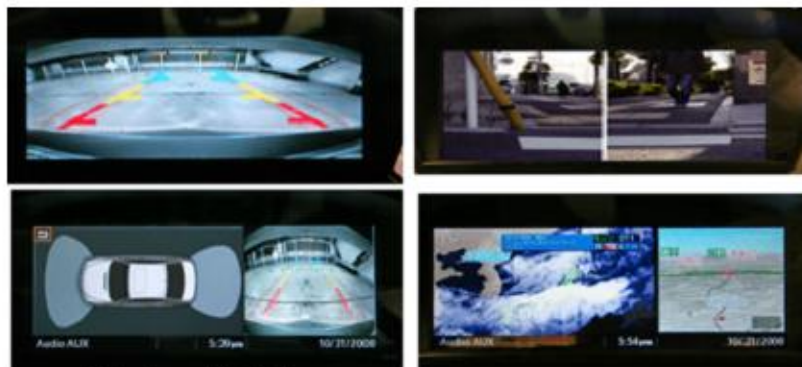
## INSTALL GUIDE

3 Series (E90/E91) 2005~2008

5, 6 Series (E60/E63) 2004 ~

New X5(E70) 2007~

- ▶ **More convenience to install with Plug & Play  
; LVDS TYPE**
- ▶ **Clear screen even set up the RGB type of Navigation**
- ▶ **Change source with using CAN Controller.  
(Star Button on the handle)**



## BMW Interface Part List



**Video Interface: 1EA**

**Power Cable: 1EA**

**IR Cable: 1EA**

**CAN Cable: 1EA**

**RGB Cable: 1EA**

**A/V Cable: 1EA**

**Remote: 1EA**

**LVDS Cable: 1SET (IN/OUT)**

### **\*Caring for installation of BMW**

The cause of broken LCD screen

1. When the LCD in/out connection or separation during the power supply
2. Connection with LVDS OUT CABLE to the wrong side
3. Connection between LVDS IN and OUT in the reverse
4. When the position of power is in shortage (Don't connect with LVDS cables)
5. Inadequate connection with GND
6. Inadequate connection with connector

We figure out "LCD OUT" when they are in above 6 different cases.

### **\*Caution**

Please do not make a scratch on the monitor acrylic and wood

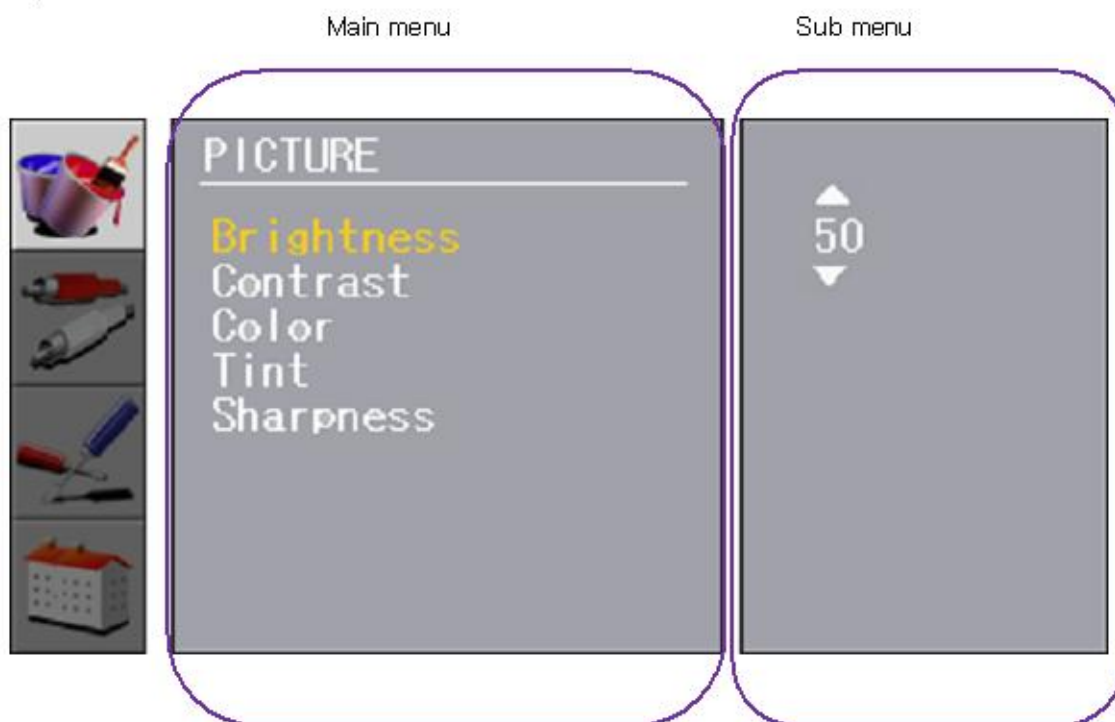
Please do not make bolt get in the vehicle

Please do not make shaking when the interface set up

## 1. Constitution of Menu (OSD)

This unit is fairly convenient to control all functions using up, down and right, left button on the remote control.

### 1) Menu



Use MENU button to turn on the menu.







Use the key(▶) or (◀) for move from main menu to the sub menu.

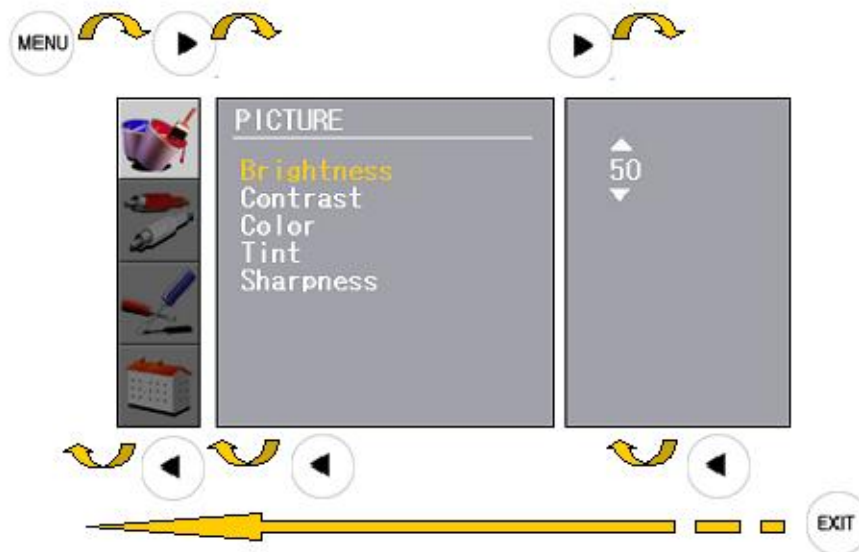
Use MENU or (◀)to move from sub to the main menu.

Use the (▼/▲)button to change data of the top and bottom direction.

Use "EXIT" button to get out of the menu

## 2) Use a menu by Remote Control

-  ① Come out the main menu with pressing menu button
-  ① Move from main to the sub menu screen with pressing (▶)button
-  ① Move from sub to the main menu screen with pressing (◀)button
-  ① Get out of the main menu with pressing "EXIT"
-  ① Press (▲/▼) to move each menu items
-  ② Change the database with pressing (▲/▼)



## 2. PICTURE

Use control condition of the screen using Brightness, Contrast, Color, Tint, and Sharpness.

Move to the picture menu using (▲/▼/◀/▶) on the remote control.

Brightness	Control the screen getting darker or brighter
Contrast	Control the difference between brightness and darkness for the object
Color	Control the depth of the color
Tint	The depth of red and green color becoming higher when it closes to 50.
Sharpness	Control outline of the object clearly or unclearly when it close to 100 Becoming clear when it close to 100

## 3. SETUP

Divide the screen and setting up

Move to the set up menu using menu, (▲/▼/◀/▶) button on the remote control

AV2 Enable	Set up existence and nonexistence of AV 2
AV3 Enable	Set up existence and nonexistence of AV 3
NAVI Enable	Set up existence and nonexistence Navigation
REAR Enable	Set up existence and nonexistence REAR Camera for an input device
Layout	Set up installment mode of the screen

## 4. INSTALL

Control condition of the screen on the mode.

Can control the screen condition for brightness and color on the full mode.

Move to the install menu with pressing menu and (▲/▼/◀/▶) button.

2nd Brightness	Control the brightness on the left.
2nd Contrast	Control the difference between brightness and darkness for the object.
2nd Color	Control the depth of the color on the left screen
2nd Tint	The depth of red and green color becoming higher when it closes to 50.
NAVI Brightness	Control the brightness on the right.
NAVI Contrast	Control the difference between brightness and darkness on the right screen

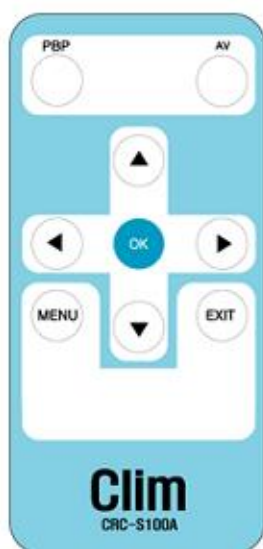
## 5. FACTORY

Initializing of the database or register remote control button

Move to the factory menu using (▲/▼/◀/▶) MENU button on the remote control

AV R/C Assign	Register a specified AV key with a button on the other brand remote control
PBP R/C Assign	Register a specified PBP with other brand button on the remote control
Factory Reset	Initializing of the database as when in the factory
Version	Mark the S/W Version

## 6. Remote Control



The features of remote control

Button	Function
PBP	Select the partition (FULL <-> PBP)
AV	Select to the input signal (ORIGINAL→AV1→AV2→AV3→NAVIGATION)
MENU	Move to the back stage on the ON/OFF screen form the MENU
OK	Movement /settlement of MENU
EXIT	END of the MENU

## 7. CAN Control (AV Change)



Press the "↓ (Down) button ; Volume Control" logo on the handle. The works as a remote control's AV.

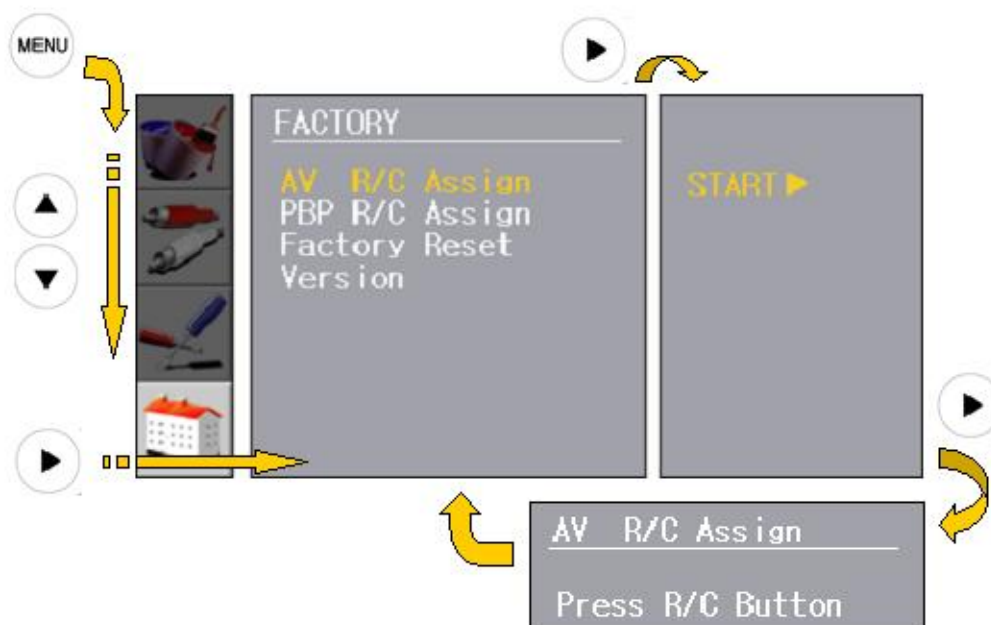
When you press that longer source will be changed (Original-> AV1->AV2->AV3-> Navigation-> Original) But, if you press "↓" within a short time the function will be back to the normal as original.



## 8. Register the other brand remote control

### Register AV button

- 1) Move to the AV R/C Assign from the factory menu by using MENU or ▲/▼
- 2) Move to START▶ with pressing (▶)
- 3) Come out AV R/C Assign screen after disappear menu with pressing ▶
- 4) Disappear AV R/C Assign by pressing other brand remote control  
Caution- We only support remote control of NEC Format
- 5) When menu comes out which means the resignation of menu is "completion"



### The registration of PBP button

- 1) Move to the AV R/C Assign from the factory menu by using MENU or ▲/▼
- 2) Move to START▶ with pressing (▶)
- 3) Come out AV R/C Assign screen after disappear menu with pressing ▶
- 4) Disappear AV R/C Assign by pressing other brand remote control  
Caution- We only support remote control of NEC Format
- 5) When menu comes out which means the resignation of menu is "completion"



Full Dashboard View of Vehicle



Close up of in-dash monitor.



**STEP 1:** Protect dashboard first by laying tape on dashboard trim.



**STEP 2:** Using a small screwdriver unscrew 2 small screws holding upper trim panel.



**STEP 3:** Pull down and away from dash.



**STEP 4:** Pulling downwards and slightly angling the unit will allow the unit room to come out of dash.





**STEP 5:** Disconnect both cables behind  
The display unit



**STEP 6:** Connect LVDS Cable to  
LCD IN side of the INTERFACE.



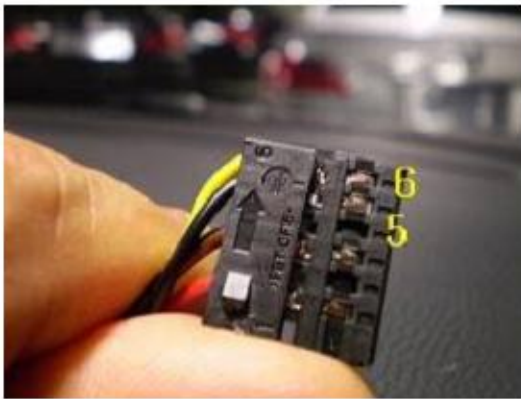
**STEP 7:** Connect supplied LVDS Cable  
To LCD OUT side of the INTERFACE



**STEP 8:** Make sure to see if these  
Connections are secure.



**STEP 9:** Connect LVDS Cable to display  
Part of the in-dash unit.  
Make sure that this connection  
is secure.



**STEP 10:** You can find it out which is  
12pin Connector behind of Monitor.  
Among 12 Wire the 5 wire is Can High  
the 6 wire is Can Low.  
Do not cut the Can High & Low wire;  
You must be joining those wires.



**STEP 11:** Run the wire for the remote eye so that the eye can line up with the remote signal.



**STEP 12:** Secure the remote eye in a location that it will receive the Remote signal



**STEP 13:** Test unit to see if factory display Shows on the screen.



**STEP 16:** Select between the different sources to see, if unit shows different inputs.  
Before you completely re-install the unit into the dash, it is a good time to adjust the menu display settings.

## \* After connections are made.

- First, test unit to see if factory display shows on the screen.  
Then select between the different sources to see, if unit shows different inputs. Before you completely re-install the unit into the dash, it is a good time to adjust the menu display settings.
- The rearview camera will display automatically when shifting into reverse.  
Main Screen will be shown automatically if no rearview camera is present.

## \*\* Warnings

- We are not responsible for any damages due to misuse if the Interface.  
Be very careful to avoid any possible damage to the car.  
Read the installation guide before you start the installation.
- Turn off all the power supplies while connection the Video Connector.  
It can damage the monitor and unit if you try to install the interface while the KEY is in the ON position.
- If its installer's fault then a return -fare would be paid on your side  
And we do not have responsibility for exchange.