



BMW interface installation manual—v7.4

This interface is suitable for BMW 5series(523, 530 etc), 3series, New X5, X6, with DIP switch settings, this interface support all BMW 8.8, 6.5 LVDS screens. This interface also support BMW-09 version screen, which has 4 times resolution than previous screens.

With the iDRV CAN bus to IR signal converter inside, the interface can also control DVD/DVBT operations based on the iDrv knob operation.

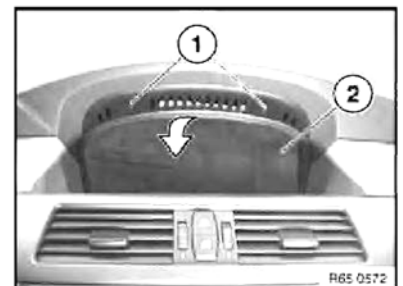
The operation difference between 09-BMW cars and previous cars:

09 BMW car	CARs before 09 version
 <p>NAV key: to switch inputs</p> <p>CD/RADIO: to go back to car video of CD or radio.</p> <p>Option: show 24:9 or 16:9 picture when on 8.8 inch screen.</p>	 <p>MENU key: Press 1 second for RGB/AV switch; Press 3 seconds for 16: 9 and 24: 9 switch (only when 8.8).</p>
The arrow keys on the knob can perform DVD changer or Tuner operations. this function is enabled by set DIP6=Low	The arrow action and rotation action of the know can perform DVD or tuner operations, this function is enabled by set DIP6=Low

(1) Interface installation location



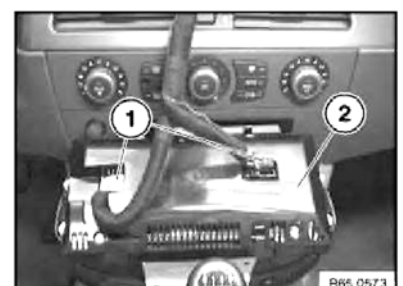
The red arrow shows the location of 2 Pcs of T8 screws which is holding the monitor, remove them first. Then the monitor can be taken out← :



Then the video cable and power cable can be seen:

The video cable should be inserted into the interface first, then the interface's output will be inserted back into the monitor.

The Control cable provides CAN signal and power to the CAN box of this interface.



The interface can be installed behind the monitor, the Can box can also provide **BATT**, **ACC**, **GND** for other devices.

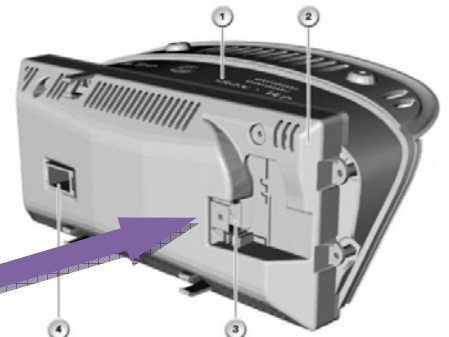
[Attention: the DVD changer can not take power from the can box since the Fuse is only 2A]

(2) Connection

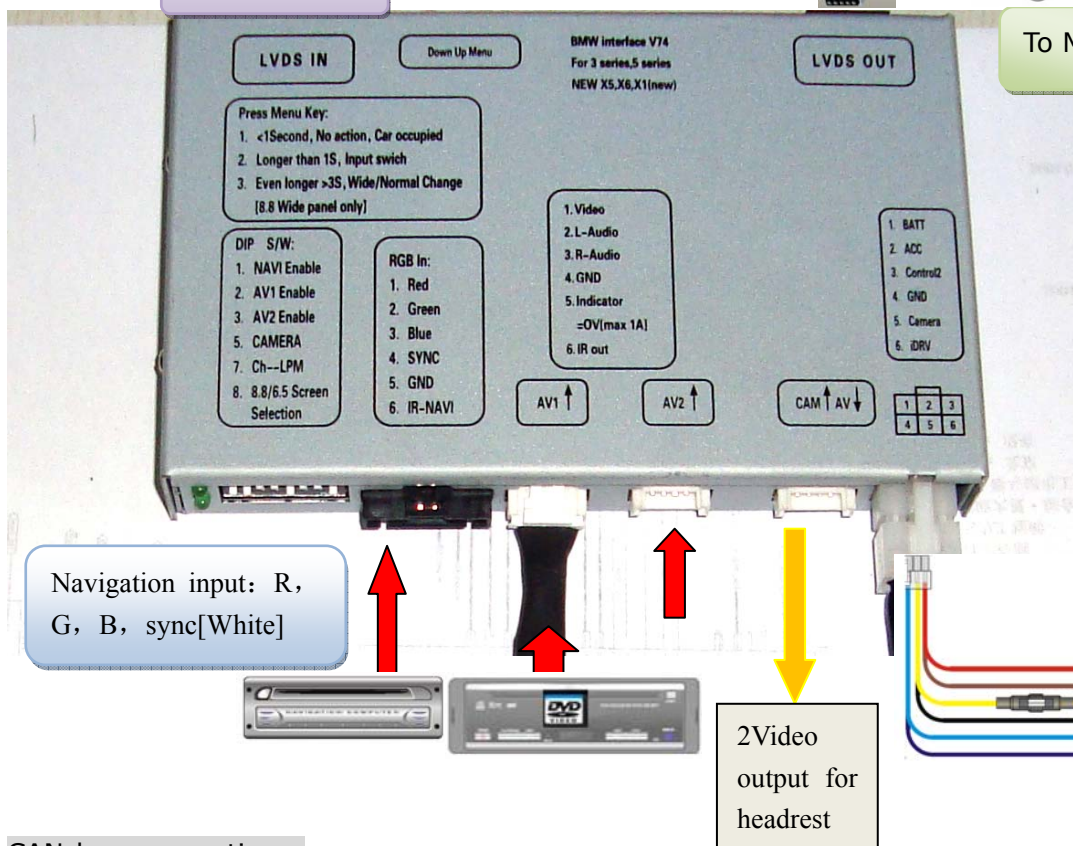
3Keys:

The 3keys are Menu/+-, used for these selections:
Brightness/Contrast/Color/Navit type/DVD type/TV type.
OSD on screen will be shown to show the selection.

Computer in



To Monitor connector



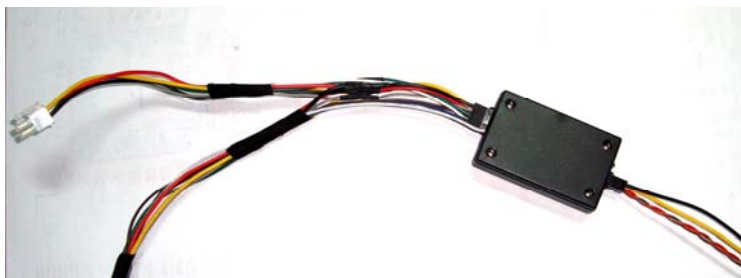
Navigation input: R, G, B, sync[White]

2Video output for headrest

Power input, connected to CAN box's 6P. when CAN to IR converter is not needed, please cut the grey wire off.

CAN-box connection:

6P to the interface box



CAN INPUT:
To the rear side of the monitor.

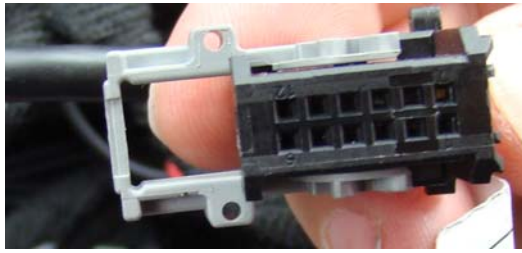
CAN output other wires:

RED wire : ACC output for other device.

GREEN wire : =12V for automatic reverse view

Other wires : No connection.

CAN box input :



CAR -----to-----		-----CANbox-----
Pin5=CAN+ High	Black wire	CAN+ High---Orange/Blue
Pin6=CAN- Low	Yellow wire	CAN- Low---Orange/Gray
Pin3 GND	Black/Brown	Big Black
Pin2 BATT	RED/Violet	Big Yellow[2A FUSE]

IR output to DVD/DVBT:

With the iDRV CAN bus to IR signal converter inside, the interface can also control DVD/DVBT operations based on the iDrv knob operation.



When the user rotate or move the knob horizontally, this OSD will be shown, the icons can be selected, the knob pressing will run the desired operation on the DVD or TV tuner.

DIP6 set to be LOW can disable this function.



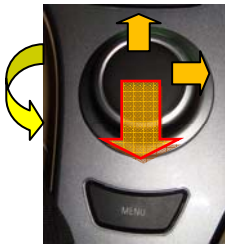
RGB, AV1, AV2 connectors all have a **Grey** wire which carries the IR signal, this signal should be connected to the IR signal line of the IR sensor[usually white]

(3) DIP switch settings

- DIP1: ON=RGB enable.
- DIP 2/3/4: ON=av1/av2/av3 enable;
- DIP5: ON for av4=extra camera; OFF=original camera.[when green wire=12V, then switch to extra camera or original camera]
- DIP6: Idrv control for extra DVD/TV enable.
- **DIP8**: ON=6.5 inch screen, off=8.8inch screen.



(4) Channel switch and iDrv control



To avoid the conflict with Air conditional/Audio
The idrv knob's following functions are valid:

UP, RIGHT, L/R rotate, Press。