

# GLK High Definition replacing monitor Installation Manual

Ver1208

FOSP provides a 7-inch High definition panel, which is compatible with the current Mercedes W204 5-inch panel in GLK, but offers very high resolution and anti-glare touch screen. It is an ideal solution for adding navigation function to the W204. After replacing the monitor, the navigation, DVD video and reverse camera video can be displayed.

Features:

- Very simple to install: It is not necessary to open the CD or Monitor, the original 2 plugs can be pulled out and insert onto the new monitor, which can be exactly fit into the GLK car, it is not necessary to cut any wire, this makes the installation very simple and fast.
- Original Radio, CD, Bluetooth and other information are kept and displayed on the new monitor with exactly the same style.
- This 7-inch digital panel offer navigation, DVD video and reverse camera video display.
- The user can use the original Comand knob to control Navi, DVD, also the navigation can be controlled by touch.

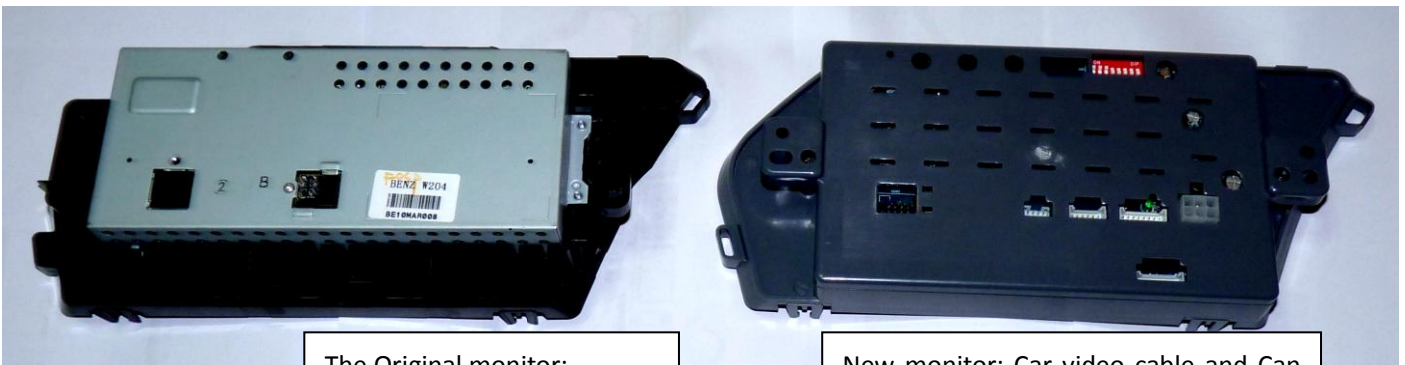
This HD monitor can show following videos:



Car video[Radio] displayed

inserted navigation displayed.

DVD, reverse camera displayed



The Original monitor:  
Only Car video cable and CAN cable connected.

New monitor: Car video cable and Can bus cable, also it has navigation, DVD, reverse camera connector.



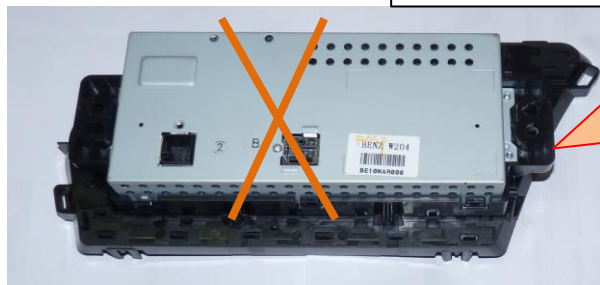
Both monitors has the same outline, same installation hooks, which makes the new one can exactly fit into the car.

## 1. Installation procedure:

Remove the Aircon's outlet, then the trim around monitor can be pulled out, which gives space to take out the above monitor.



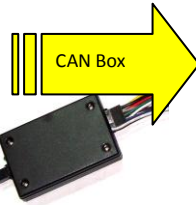
Remove the 2 screws and take out the LCD screen part.



The original monitor can be put aside, the new monitor will fit into the frame, the 2 original cables should be inserted back inside. [Do not cut any wire]



The CAN/Power cable should be inserted onto the Can box's input wire plug.



RGB HD navi

DVD

Cam.

The new monitor connectors:  
CAN box power in,  
HD RGB Navi in,  
AV/Cam in,  
4P Navi touch panel out,  
Car Video in.

The monitor trim can be put back onto the new monitor, then the whole installation is done.

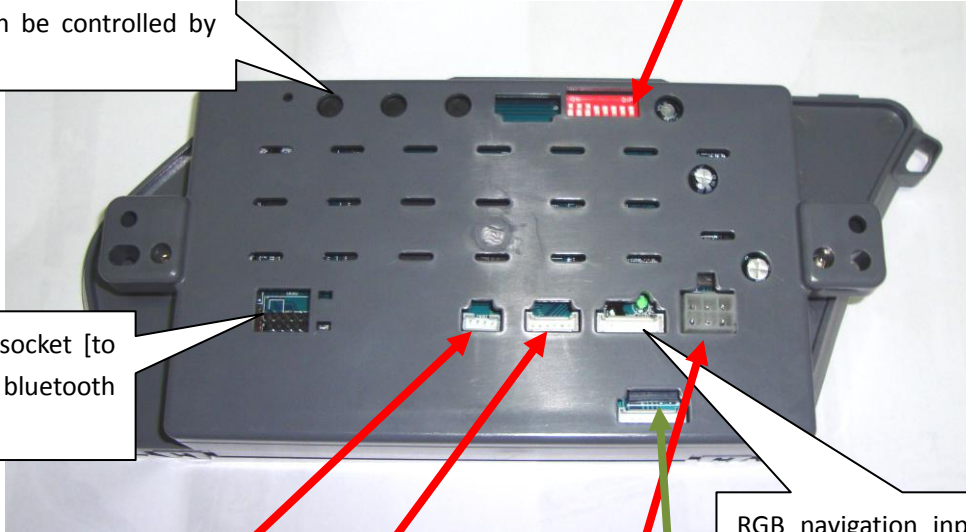


## 2. Connectors

DIP	=ON	=OFF
1	RGB enabled	RGB disabled.
2,	AV1 DVD enabled	AV1 disabled
3	AV2 enabled	AV2disabled
4	HD RGB monitor	NTSC RGB monitor
5, 6, 7, 8	No function	

3 keys are: menu, +, -, they can be used to change the display Brightness/Contrast/ect. set the DVD/TV type which can be controlled by car Comand.

Dip settings:

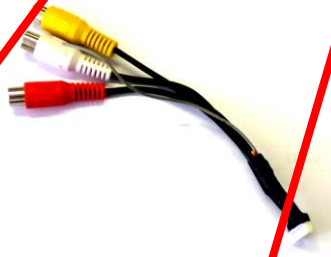


Car video plug's mating socket [to display Radio , CD , bluetooth images] .

RGB navigation input: 8P signals are: R, G, B, Sync, GND, IR. [last 2P are not used.]

4P touch panel connector for extra navigation device.

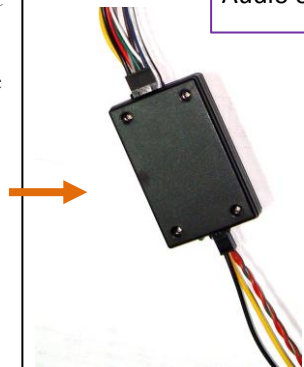
AV input socket:  
 Yellow: DVD[AV1] input  
 RED: AV2 input  
 White: reverse camera video  
 Gray wire: IR output for DVD/TV based on CAN bus decoding.



Audio Selection:  
 From below to top:  
 AV2-in,  
 AV1-in  
 Audio output

**6Psignal for CAN bus input:**

- [The installer mostly only needs to plug the CAN box' s input plug, it is not necessary to know the details inside. Just for reference].
- When reverse camera is installed, the lamp signal should be wired to the Green wire.
  - ◆ YELLOW: 12V battery power
  - ◆ RED=ACC: when screen is On this wire goes to 12V.
  - ◆ BLACK: Ground for chassis.
  - ◆ GREEN: reverse wire[=12V].
  - ◆ white: switch signal when =12V.[max 25V]
  - ◆ GRAY: specific control signal from the CAN box.

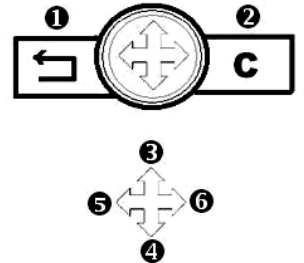


### 3. Operations:



Navigation, DVD, TV or other extra devices can all be controlled by W204 Comand knob.

- Push backward for 1 second or more, the inputs are switched:  
Car video→Navi→DVD→...→Car video。
- Press Return key 1, always go back to car video.
- When in Navi, DVD, TV, the user pushes the knob, the DVD/TV icons pop up and command is executed when user presses C.



### 4. Parameters

No.	name	parameter
1	Resolution/Size	6-inch 800X480 digital display.
2	Navi RGB input	NTSC resolution: 400X240, or 480X240.234 lines are also Ok. HD RGB resolution: 800X480[also 640X480 VGA computer] These 2 resolution are done by DIP4.
3	Av1,Av2, cam video amplitude	0.7Vpp with 75 ohm impedance
4	Av1,Av2, cam standard	NTSC/PAL/SECAM automatic switch
1	RGB video amplitude	Video: 0.7Vpp with 75 ohm impedance Sync: 3~5Vpp with 5K ohm impedance Sync should be NTSC composite with negative polarity.
6	Normal work Power consumption	2.4W [0.2A @12V]
7	Standby current	< 5mA
8	Standby start	10 seconds after the users switch off the CD unit.
9	Reverse trigger threshold	>5V trigger
10	Work temperature	-40 ~ +85C

Note: this GLK monitor is only suitable for GLK cars, while FOSP provides another monitor for W204 c-series cars.

