LAND ROVER GVIF PAS (VIDEO Interface)

MODEL	GVIF-PAS-141203
DATE	2015.06.30

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Main Spec.

1. Input Spec. (MULTI VIDEO INTERFACE)
   - 2 x A/V Input (External video source).
   - 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
   - 1 x CVBS(FRONT CAMERA) Input. (Front camera source)
   - 1 x Analog RGB Input (Navigation System output)
   - 1 x GVIF Input. (Car Command System)

2. Output Spec.
   - 2 x CVBS Output (Video out for Installing Headrest Monitor)
   - 1 x Audio L/R Output.
   - 1 x GVIF Output (LCD Operation)

3. Power Spec.
   - Input Power : 8VDC ~ 24VDC
   - Consumption Power : 12Watt, Max

4. Switch Input mode
   - Possible to select CAR model while switching mode by DIP S/W
   - By button on the Commander in the car via CAN

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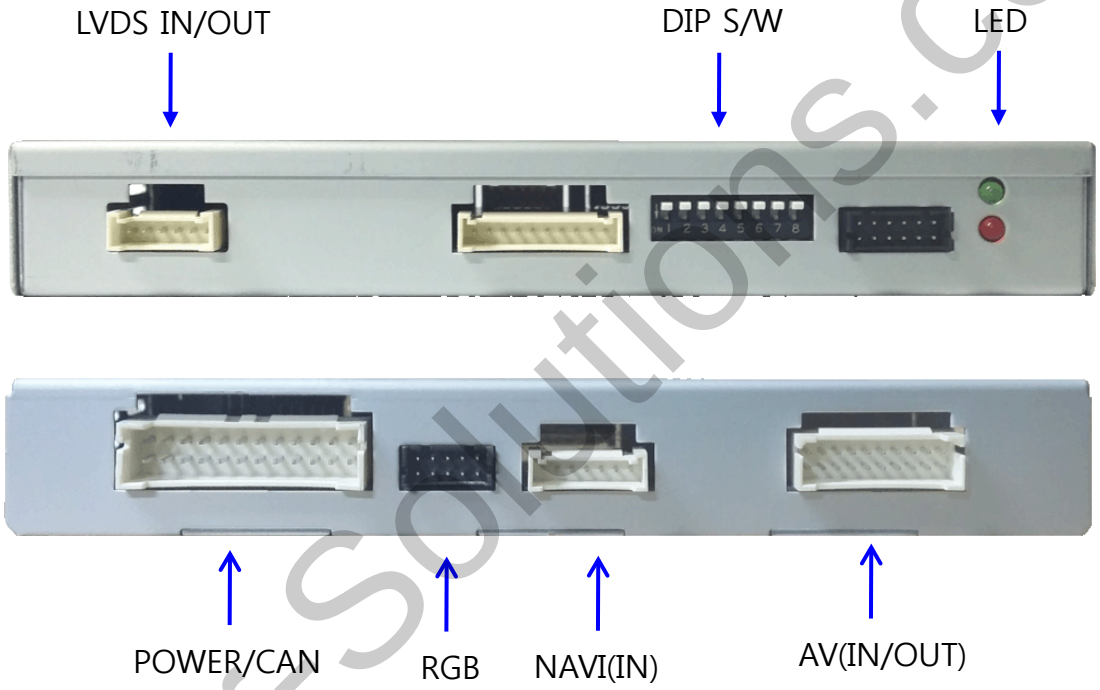
External Appearance



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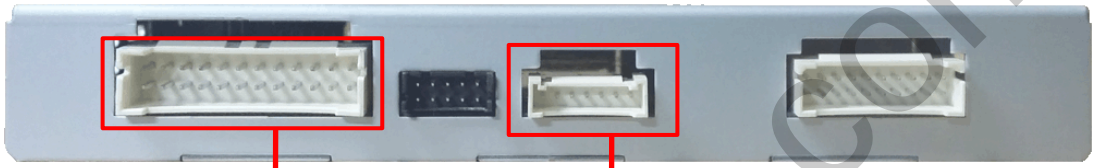
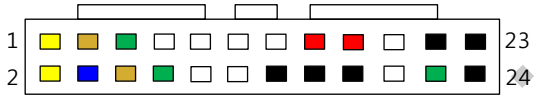
Connector Pin Assignment

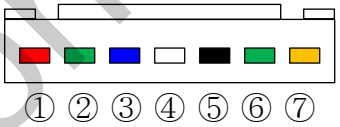


*POWER Connect



1. Battery (Yellow)
2. Battery (Yellow)
3. REAR-DET (Brown)
4. FRONT-DET (Blue)
5. CAN-L (Green)
6. CAN-H (Orange)
7. NC
8. SI-OUT (Green)
9. NC
10. SI-IN (White)
11. NC
12. NC
13. NC
14. GND (Black)
15. REAR-VCC (RED)
16. GND (Black)
17. FRONT-VCC (RED)
18. GND (Black)
19. TX
20. RX
21. GND
22. MODE (Green)
23. GND (Black)
24. GND (Black)

*NAVI Connect



① R DATA (Red)
② G DATA (Green)
③ B DATA (Blue)
④ SYNC (White)
⑤ GND (Black)
⑥ DMB IR (Green)
⑦ DVD IR (Orange)

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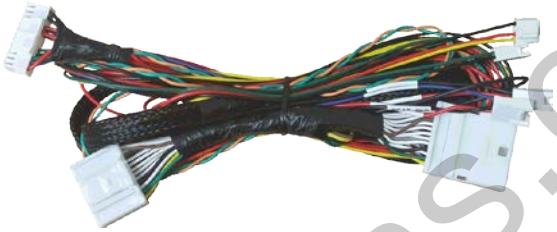
Product Composition

Interface 1 EA



Power Cable 1 EA

GVIF IN/OUT Cable 1 EA

RGB Navi Cable 1 EA

A/V Cable 1 EA

Mode S/W 1 EA

OSD Board 1 EA

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DIP S/W Setting

*** ON : DOWN , OFF : UP**

PIN	FUNCTION	DIP S/W Selection
1	NAVI	ON : Not Used OFF : Used
2	DVB-T(AV1)	ON : Not Used OFF : Used
3	DVD(AV2)	ON : Not Used OFF : Used
4	N.C	
5	CAR Type	right refer to picture
6		
7	N.C	
8	CAR Type	right refer to picture

*** DIP S/W Example**

LANDROVER

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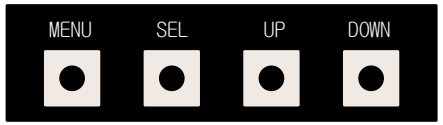
OSD(On Screen Display) Control

OSD Control Board



MENU	Push -> OSD menu On/Off
SEL	Item Selection, Value Selection
UP	Item up Increase selected value
DOWN	Item down Decrease selected value

Mode State

First Menu Second Menu Third Menu

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OSD(On Screen Display) Control

First Menu	Second Menu	Third Menu	Action
Config	NAVI-RGB	GI4000	Selection Korea 480*234
		GI8000	Selection Korea 800*480
		GI80003G	Selection Korea 800*480
		PANASONIC	Selection Taiwan 480*234
		PT-GPS800A	Selection China 480*234
		KD900(WVGA)	Selection China 800*480
		KD900(WQVGA)	Selection China 480*234
		PURENAV18	Selection Taiwan 480*234
		SINGAPURA	Selection Singapore 480*234
	NAVI-AV		
	DVD	ELT-980XU Slim	Selection Europe
		LCKT	Selection China
		SANYO	Selection China
		NECBOX DVA-3206	Selection China
		AMPIRE DVX-101	Selection Singapore
		Pioneer	Selection Japan
	DVB-T(DMB)	ELT-DVBT20	Selection Europe
		NET-770	Selection Korea
		MediaLife	Selection Korea
		Panasonic	Selection Japan
		Pioneer	Selection Japan
		GEX-DTV	Selection Japan
		Portugal	Selection Europe
		DVB-T20010HD	Selection Europe
		DVBT55-HD	Selection Europe
		CMMB-ZW	Selection China
	Reset	Excute	Config Menu all Reset

ELT-980XU SLIM LCKT SANYO NECVOX AMPIRE DVX101 PIONEER

ELT-DVBT20 Pioneer Portugal GEX-DTV

DVB-T2010HD DVBT55HD CMMB-ZW

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OSD(On Screen Display) Control

First Menu	Second Menu	Third Menu	Action
Option	RearCam-Type	OEM	Original Camera
		ExtDevice	Use aftermarket Rear camera
	RearCam-Power	ON	Rear camera get +12V consistently
		AUTO	Rear camera get +12V when reverse gear on
		OFF	Shut out the power supply.
	FrontCam-Type	OEM	Original Camera
		ExtDevice	Use aftermarket Front camera
	FrontCam-Power	ON	Front camera get +12V consistently
		AUTO	Front camera get +12V when reverse gear on
		OFF	Shut out the power supply.
	RearCam-RcvOpt	ON	Show Frontcam 25sec after rear mode.
		OFF	Default
	Reset	Excute	Option Menu all Reset

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OSD(On Screen Display) Control

NAVI-RGB menu

First Menu	Second Menu	Third Menu	Action
Image	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	Color-RED		Adjust the value of RED
	Color-GREEN		Adjust the value of GREEN
	Color-BLUE		Adjust the value of BLUE
	Reset	Excute	Option Menu all Reset

DVD,DVB-T(DMB),NAVI-AV,REAR,FRONT menu

First Menu	Second Menu	Third Menu	Action
Image	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	Saturation		Adjust the value of Saturation
	Hue		Adjust the value of Hue
	Sharpness		Adjust the value of Sharpness
	Reset	Excute	Option Menu all Reset

<< Brightness >>

<< Contrast >>

<< Saturation >>

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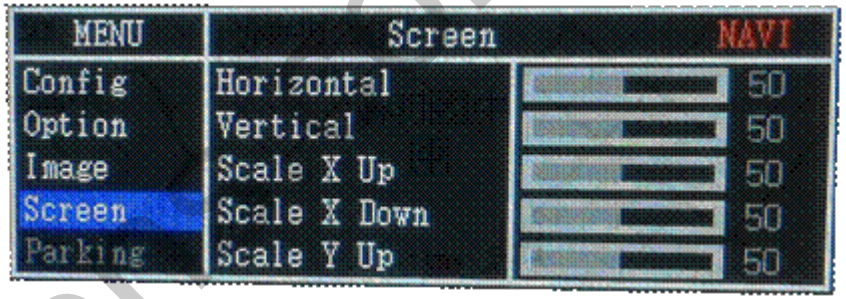
OSD(On Screen Display) Control

OSD Setting- Screen Mode

- Horizontal
- Vertical
- Scaler X Up
- Scaler X Down
- Scaler Y Up
- Scaler Y Down



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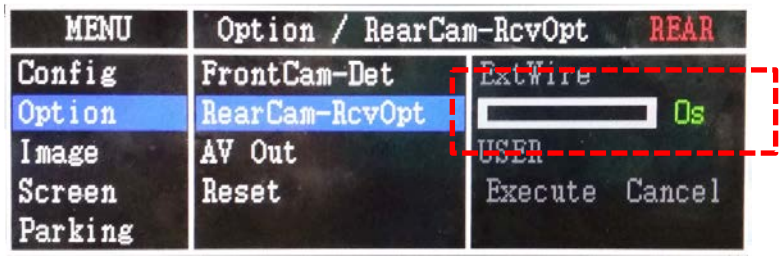
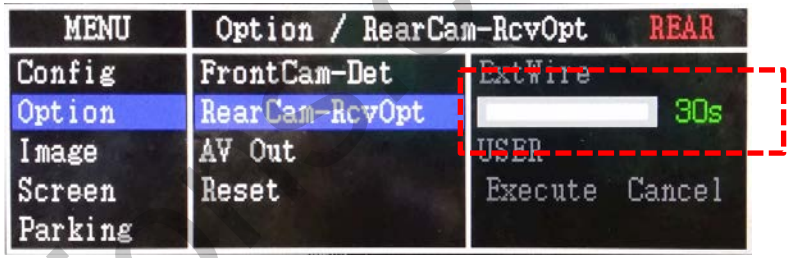
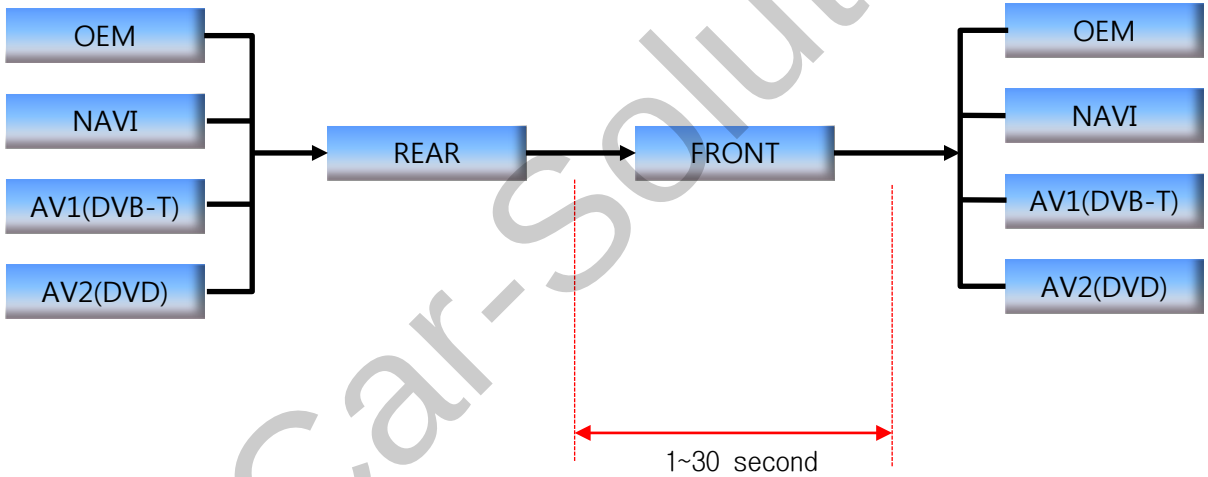
OSD(On Screen Display) Control

OSD Setting - Front Camera Auto Mode







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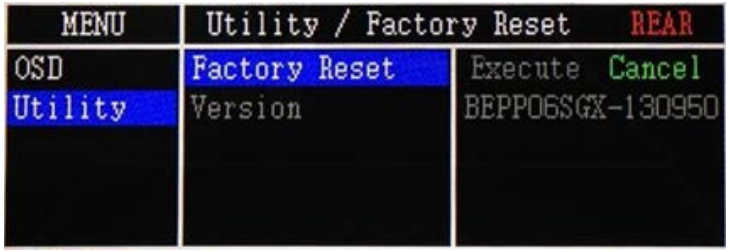
OSD(On Screen Display) Control

OSD Setting - Utility Mode



- Factory Reset : Execute - Reset All (Setting Default)
- Version : FW Version
  Finish update FW, check the FW version

Last Source : BEPP06SGX-130950

- Software Version
- Software Month
- Software Year
- Special Version
- National : CN=CHINA, KR=KOREA, JP=JAPAN, US=United States
- Hardware Version
- PIP model : PP=PIP, LV=LVDS
- Motor model : BM=BMW, BE=BENZ, MA=MASERATI, LX:LEXUS

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Q & A

1. If Interface has a problem, Please check LED.

- ACC on (12v), If Interface does not have a problem; GREEN LED is blinking every 1 sec..
- RED LED is turn on (not blinking), Interface has a problem.
- RED LED is turn off every 1 sec, there is no input.
- RED LED and GREEN LED both are not turn on, check the CAN or ACC connection.

2. Q : LCD screen black
   A : LVDS Cable problem or, connection problem.

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