

Instruction Manual

Audi 3G PAS C2 for Audi



GU ELECTRONIC

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Specification

1. Main spec.

1-1 Input Spec. (MULTI VIDEO INTERFACE)

- 1 x Analog RGB Input (Navigation System output)
- 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
- 1 x CVBS(FRONT CAMERA) Input. (Front camera source)
- 1 x LVDS Input. (Car command system)

1-2 Output Spec.

- 1 x LCD Output (LCD Operation)

1-3 Power Spec.

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

1-4 Switch Input mode

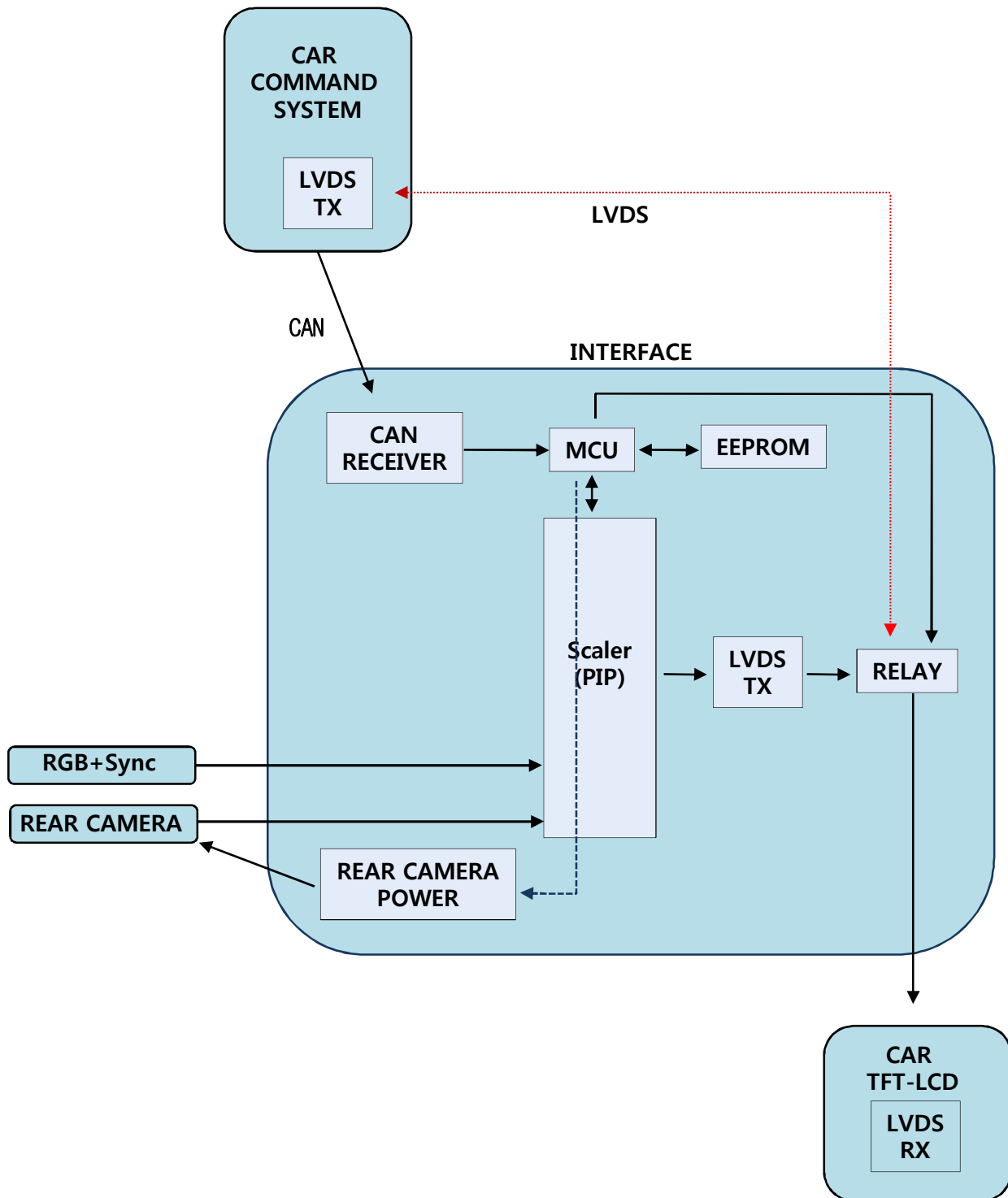
- Possible to switch input mode through original button

2. Features

- Display dynamic PAS(Parking assistance system) with OPS(PDC)

Specification

3. Diagram



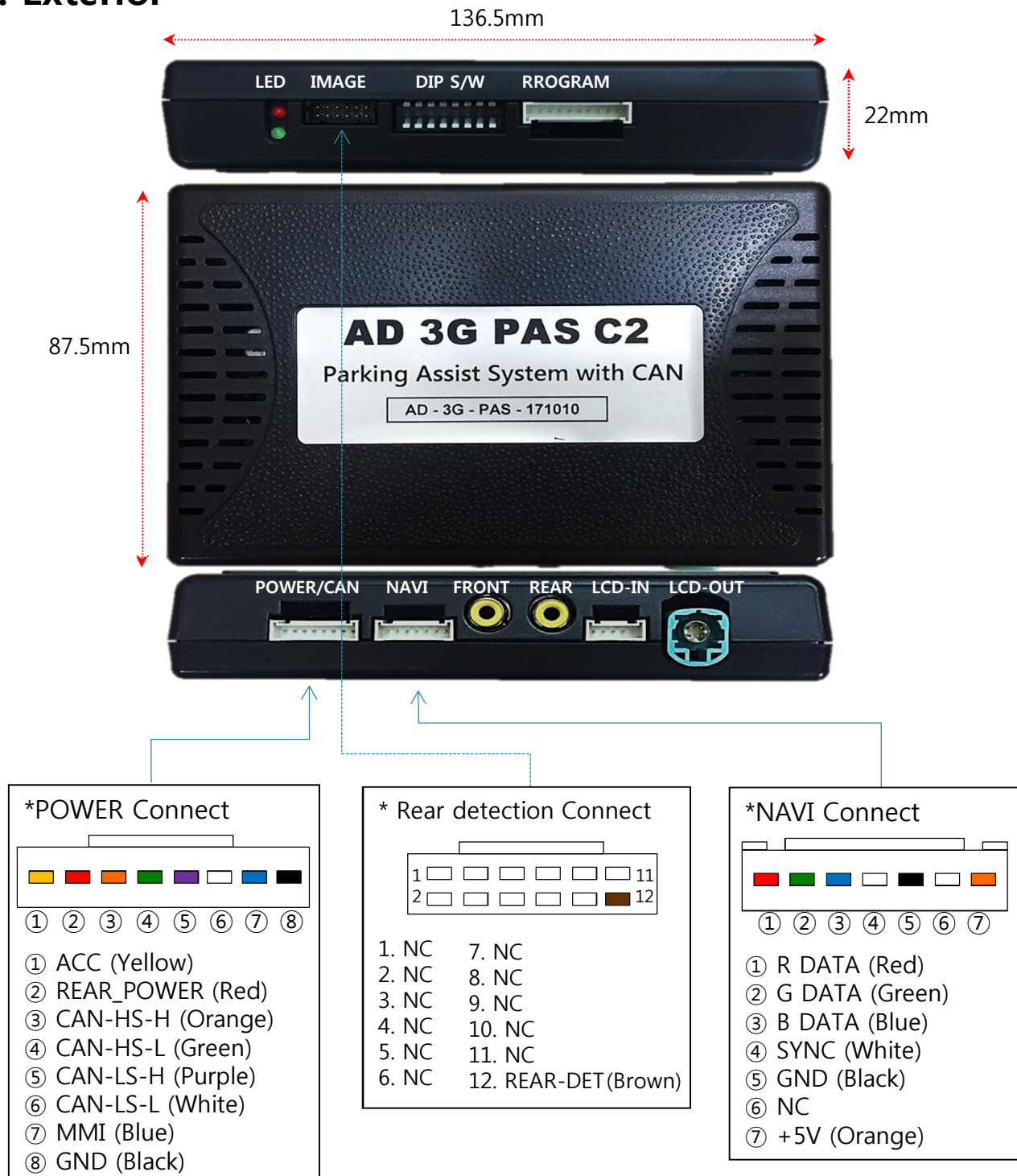
Specification

4. Components



Specification

5. Exterior



Settings

1. Dip Switch

* ON : DOWN , OFF : UP

NO.	Function	Selection
1	NAVI (MHL)	ON : Skipping NAVI (MHL) OFF : Display
2	Recorder(Written as Black box in OSD menu))	ON : Skipping Recorder OFF : Display
3	MMI	ON : Old MMI OFF : New MMI
4	Car model	ON : A1 6.5"LOW, A4 7-1" LOW, A4 7-2" LOW, A4 7-3" LOW, Q3 6.5" LOW, Q3 7" LOW, Q5 6.5" HIGH, Q5 7" LOW
5		ON : A1 6.5" LOW, A6 6.5" HIGH , Q3 6.5" LOW, Q5 6.5" HIGH
6		ON : A4 7-2" LOW, A8 8" HIGH, Q5 6.5" HIGH
7		ON : A4 7-3" LOW, A6 6.5" HIGH, A6 8" HIGH, A8 8" HIGH, Q7 7" HIGH
8		ON : Q3 6.5" LOW, Q3 7" LOW, Q3 7" HIGH, Q5 6.5" HIGH, Q5 7" LOW, Q7 7" HIGH

* Example



A1 6.5" LOW



A1 7" HIGH



A4 7-1" LOW



A4 7-2" LOW



A4 7-3" LOW



A6 6.5" HIGH



A6 8" HIGH



A8 8" HIGH



Q3 6.5" LOW



Q3 7" LOW



Q3 7" HIGH



Q5 6.5" LOW



Q5 7" LOW



Q7 6.5" LOW



Q7 7" HIGH

Settings

2. Original button - Switching mode

[AUDI A6 / A1-7.0"]



MMI



MMI



MMI



Steering wheel



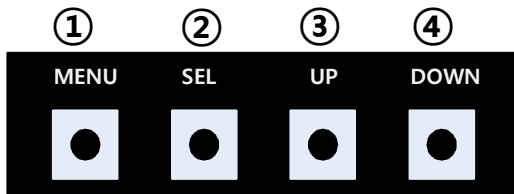
→ Press long : switching mode
Press Short : switching to OEM directly

※ ①,②,③ It is necessary to connect MMI wire / ④ CAN wire to use the original button

※ ①,② MMI DIP Switch setting  / ③ MMI DIP Switch setting 

Settings

3. OSD Key board



- ① MENU : Activating OSD Menu
- ② SEL : Selection
- ③ Up : Moving upward / increasing value
- ④ Down : Moving downward / decreasing value

4. OSD Menu

※Press "MENU" button on Key board

MENU	Config		NAVI
Config	NAVI-RGB	GI5000_WVGA	
Option	BlackBox	Default	
Image	Reset	Execute	Cancel
Screen			
Parking			

Config - NAVI-RGB(MHL) : Setup for the type of RGB(MHL)

Config - BlackBox: Setup for the type of Black Box

Reset : Reset all value

Settings

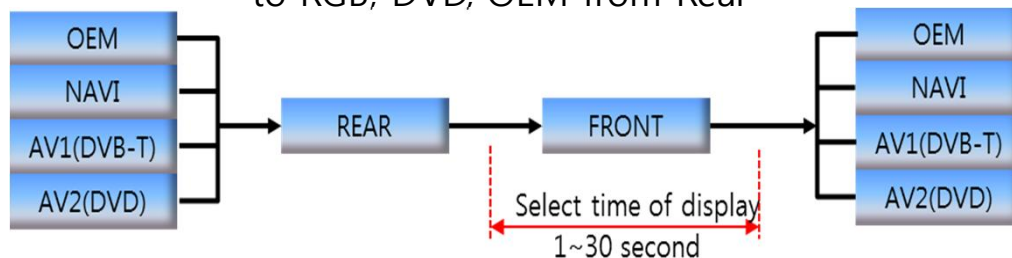
4. OSD Menu

※Press "MENU" button on Key board

MENU	Option	NAVI
Config	Rear Cam - Type	ExtDevice
Option	Rear Cam - Power	Auto
Image	Rear Cam - Det	CAN
Screen	Rear Cam - RcvOpt	0s
Parking	Handle Wheel Btn	Off

Option

- RearCam-Type : Setup for rear camera
ExtDevice - External rear camera
OEM - Original camera
- RearCam-Power : Setup for Rear VCC wire in power cable
ON - +12V out always (current consumption : 200mA)
AUTO - +12V out in rear mode only (200mA)
OFF - Power OFF
- RearCam-Det : Setup for Rear detection
CAN - By CAN
Extwire - by rear cam detect 12V wire
- RearCam-RcvOpt : Selecting time of displaying Front camera before switching to RGB, DVD, OEM from Rear



- Handle Wheel Btn : Setting for Steering wheel button (switching mode)

Settings

4. OSD Menu

※Press "MENU" button on Key board

- NAVI(RGB) Image / Screen

MENU	IMAGE	NAVI
Config	Brightness	50
Option	Contrast	50
Image	Color- RED	50
Screen	Color- GREEN	50
Parking	Color- BLUE	25

MENU	Screen	NAVI
Config	Horizontal	50
Option	Vertical	50
Image	Scale X Up	50
Screen	Scale X Down	50
Parking	Scale X Up	50

- DVD, DVBT, NAVI-AV, REAR, FRONT Image

MENU	IMAGE	Rear
Config	Brightness	50
Option	Contrast	50
Image	Saturation	50
Screen	Hue	50
Parking	Sharpness	25

Settings

4. OSD Menu - Parking mode

※Press "MENU" button on Key board

-PDC display ON/OFF

MENU	Parking Rear	
Config	OPS Display	On
Option	Line Display	On
Image	Warning Lang	English
Screen	Horizontal	50
Parking	Vertical	50

Selecting a use of OPS(PDC) picture
(OSD Menu – Parking – OPS Display –
ON or OFF)

-Parking guide line ON/OFF

MENU	Parking Rear	
Config	OPS Display	On
Option	Line Display	On
Image	Warning Lang	English
Screen	Horizontal	50
Parking	Vertical	50

Selecting a use of packing guide line
(OSD Menu – Parking – Line display –
ON or OFF)

-Warning Language for rear screen

MENU	Parking Rear	
Config	OPS Display	On
Option	Line Display	On
Image	Warning Lang	English
Screen	Horizontal	50
Parking	Vertical	50

Selecting a type of language
(OSD Menu – Parking – Warning lang)

Check entire surroundings!
请注意车辆周围环境!
차량 주변을 전부 확인
請注意車輛周圍環境!
Следите за всем окружением автомобиля!
周辺の安全を確認

Settings

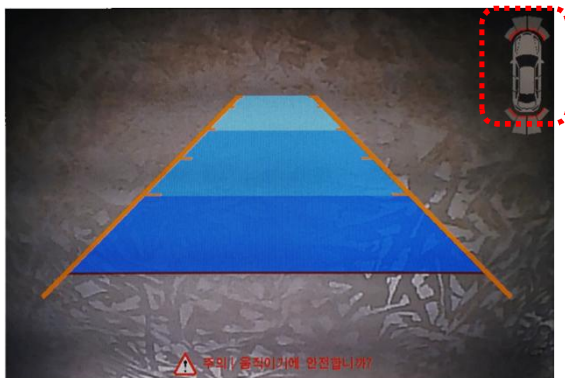
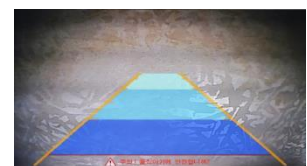
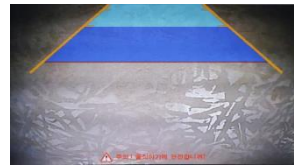
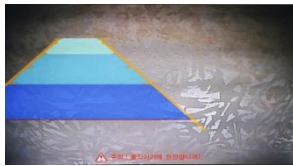
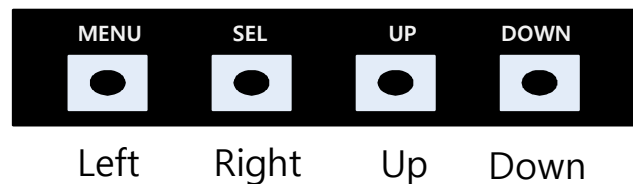
4. OSD Menu - Parking mode

※Press "MENU" button on Key board

-Adjusting the position of guide line

MENU	Parking		Rear
Config	OPS Display	On	
Option	Line Display	On	
Image	Warning Lang	English	
Screen	Horizontal	50	
Parking	Vertical	50	

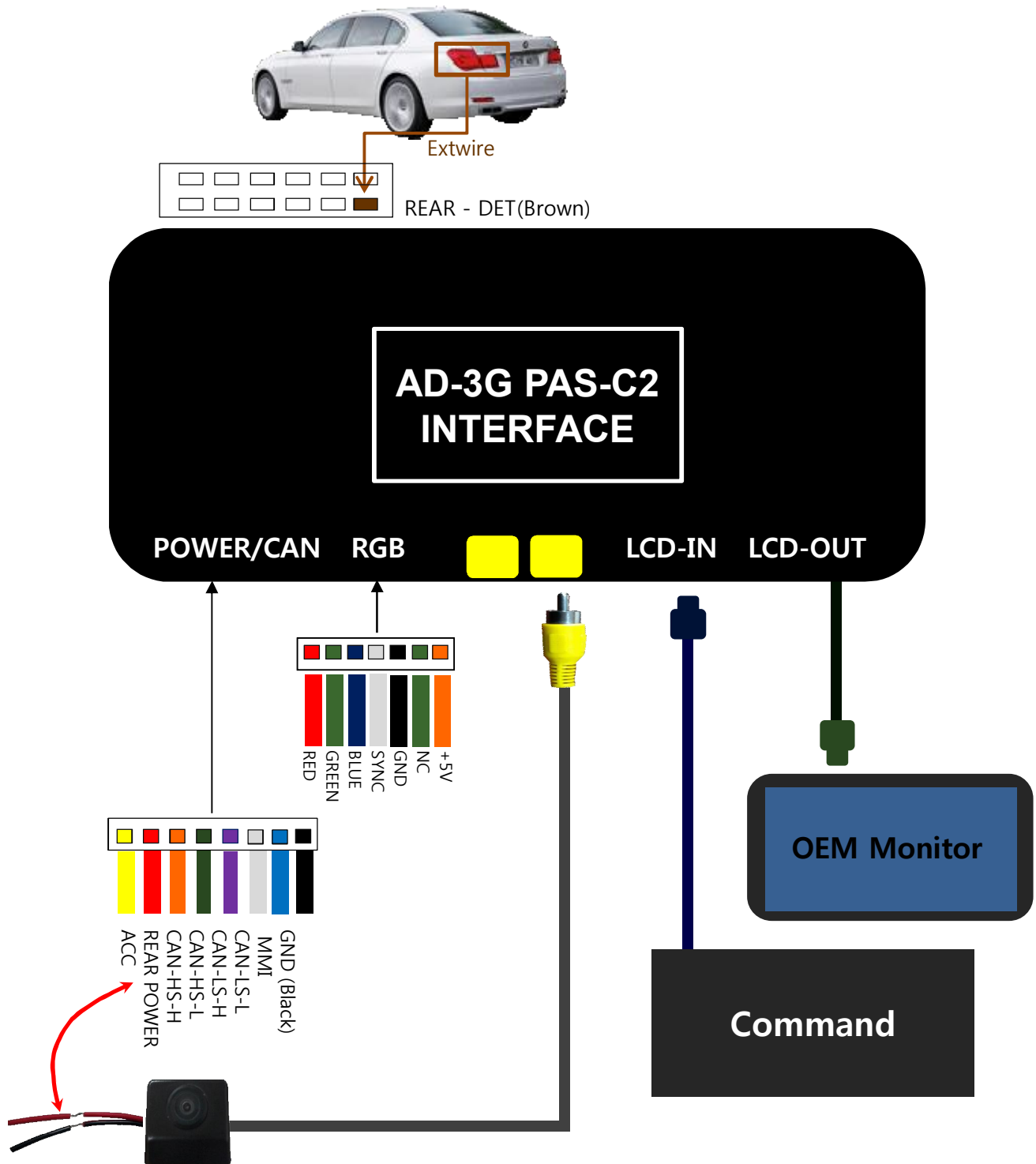
Possible to adjust the position of guide line by Keypad in Horizontal / Vertical menu
 ※ After pressing the "Horizontal" / "Vertical" in OSD menu
 The OSD screen automatically disappears.
 In this state, Please adjust the position by Keypad



The OPS(PDC) will disappear in a car without sensor (P.12)

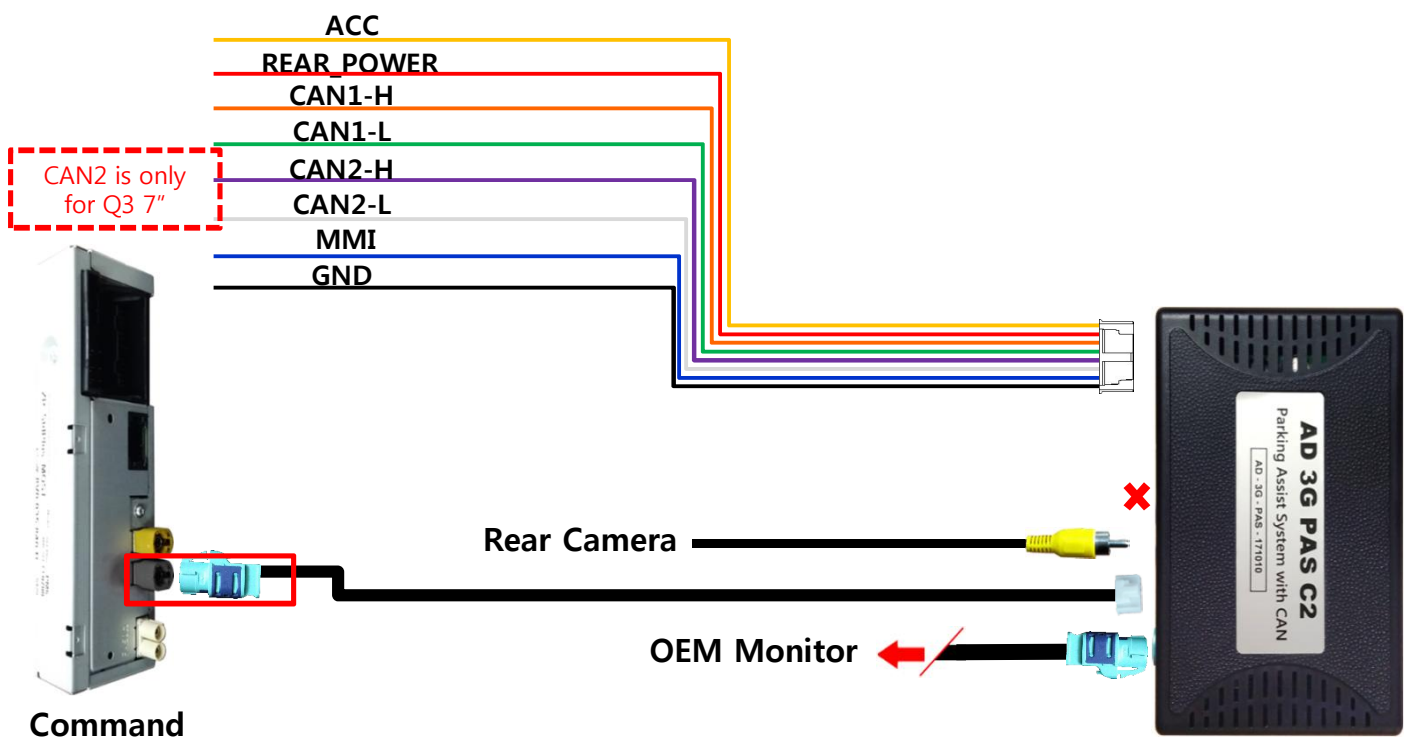
Installation

1. Installation Diagram



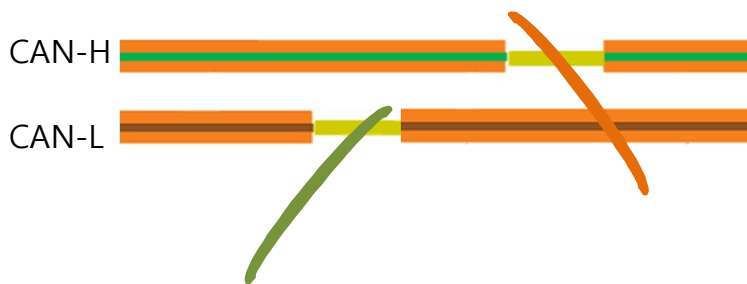
Installation

2. LVDS Connection



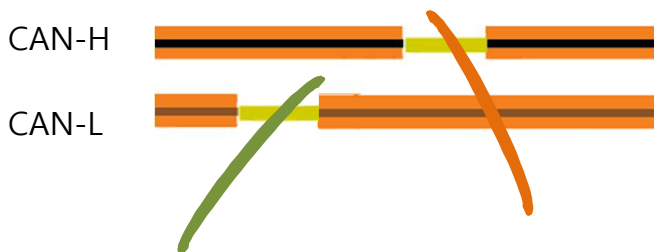
Installation

3. CAN installation (CAN-1)



AUDI A1 6.5 (LOW)

CAN-H(Orange/Green) → PIN No.3 in the provided power cable (CAN H(Orange))
CAN-L(Orange/Brown) → PIN No.4 in the provided power cable (CAN L(Green))



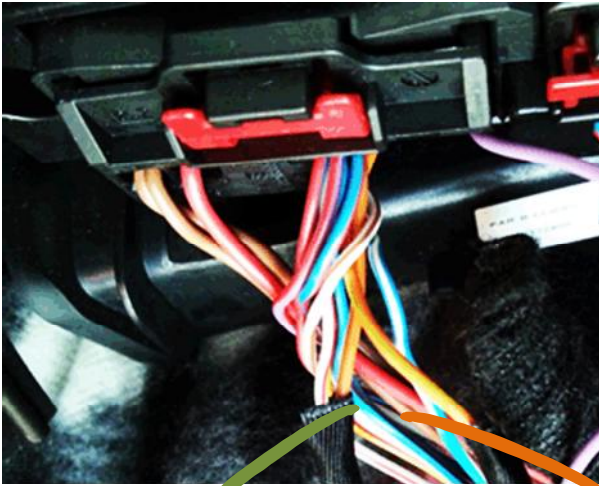
AUDI A1 7 (HIGH)

CAN-H(Orange/Black) → PIN No.3 in the provided power cable (CAN H(Orange))
CAN-L(Orange/Brown) → PIN No.4 in the provided power cable (CAN L(Green))

Installation

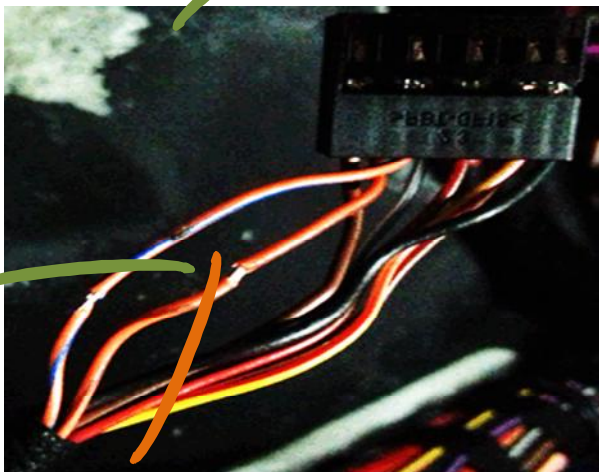
3. CAN installation (CAN-1)

※ Find the same cable as picture below behind the AC equipment of car.



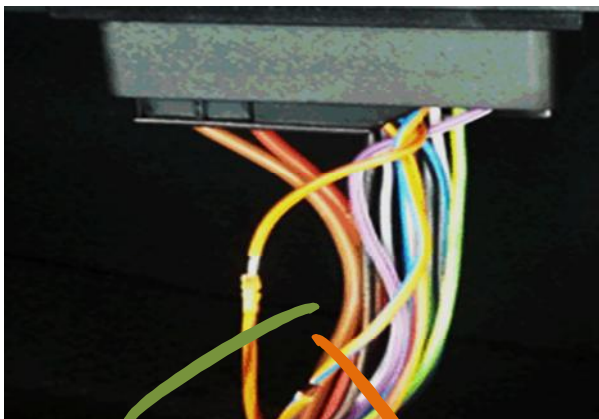
AUDI A4 / Q5 (LOW)

- ➔ #4 pin : CAN-H(Orange/Green) → PIN No.3 in the provided power cable (CAN H(Orange))
#5 pin : CAN-L(Orange/Brown) → PIN No.4 in the provided power cable (CAN L(Green))



AUDI Q3 (HIGH)

- ➔ #6 pin : CAN-H(Orange/Black) → PIN No.3 in the provided power cable (CAN H(Orange))
#15pin : CAN-L(Orange/Brown) → PIN No.4 in the provided power cable (CAN L(Green))



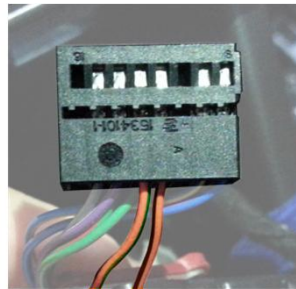
AUDI A6/A7 (HIGH)

- ➔ #4 pin : CAN-H(Orange/Blue) → PIN No.3 in the provided power cable (CAN H(Orange))
#5 pin : CAN-L(Orange/Brown) → PIN No.4 in the provided power cable (CAN L(Green))

Installation

4. CAN installation (CAN-1& CAN-2)

※ CAN2 is only available for Q3 7"



CAN1-H
CAN1-L

AUDI A3 (LOW)



CAN-H(Orange/Green) → PIN No.3 in the provided power cable (CAN H(Orange))
CAN-L(Orange/Brown) → PIN No.4 in the provided power cable (CAN L(Green))



AUDI Q3 (HIGH)

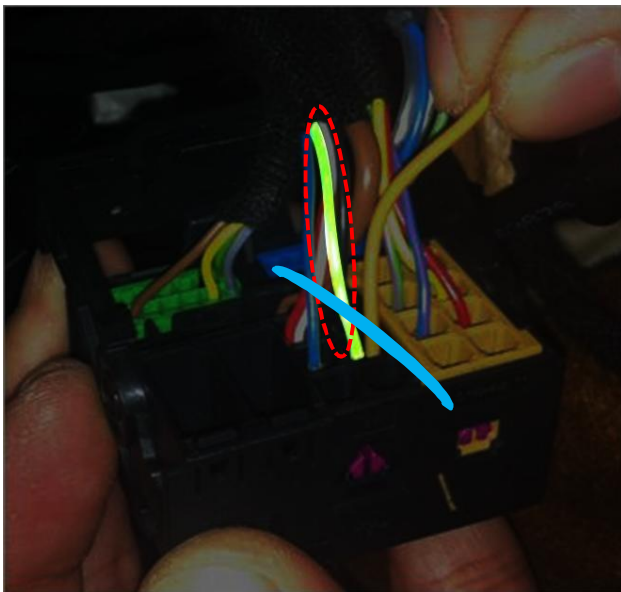


CAN-H(Orange/Black) → PIN No.3 in the provided power cable (CAN H(Orange))
CAN-L(Orange/Brown) → PIN No.4 in the provided power cable (CAN L(Green))

Installation

5. MMI installation

※ The color of the cable will be different according to a car. Please check the position of the cable as below.



AUDI A3/A6 MMI



OEM MMI Line→

Provided power cable 7 pin MMI (Blue)
PIN No.7 in the provided power cable
(MMI(Blue))

Caution

1. FAQ

- Not possible to switch mode
 - Check connection of OSD Key pad wire
 - Check CAN connection
- Display wrong size of picture
 - Check Dip s/w setting
- Display black screen in OEM mode
 - Check connection of LVDS/LCD cable
- Not possible to switch to rear screen
 - Check the packing setting
(OSD Menu – option – RearCam-Det)

2. Caution

- The device must not be installed in where it interferes driving (close to brake pedal, steering wheel, airbag etc.)
- LVDS cable must be connected correctly according to the manual
- Insulate the end of wire by using electrical tape
- The installation should be done by expert
- GU electronic does not take any responsibility for any problem caused by wrong installation



GU Electronic

For your better driving