

# *Q-Roi Mercedes Benz*

## *Instruction Manual*

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# Index

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1. General spec
2. System Diagram
3. Components
4. Setting up Dip S/W
5. Setting up FACTORY MENU
6. Cautions before Installation
7. Installation Diagram
8. Pin Specification of Connector
9. Installation
10. Quality Warranty

# Warning / Precautions!

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**Warning**

- Do not modify, dismantle or unintended operation this system outside Q-roi After Sales. Damage occurred by unintended operation may cause Q-roi After Sales service void.



**Warning**

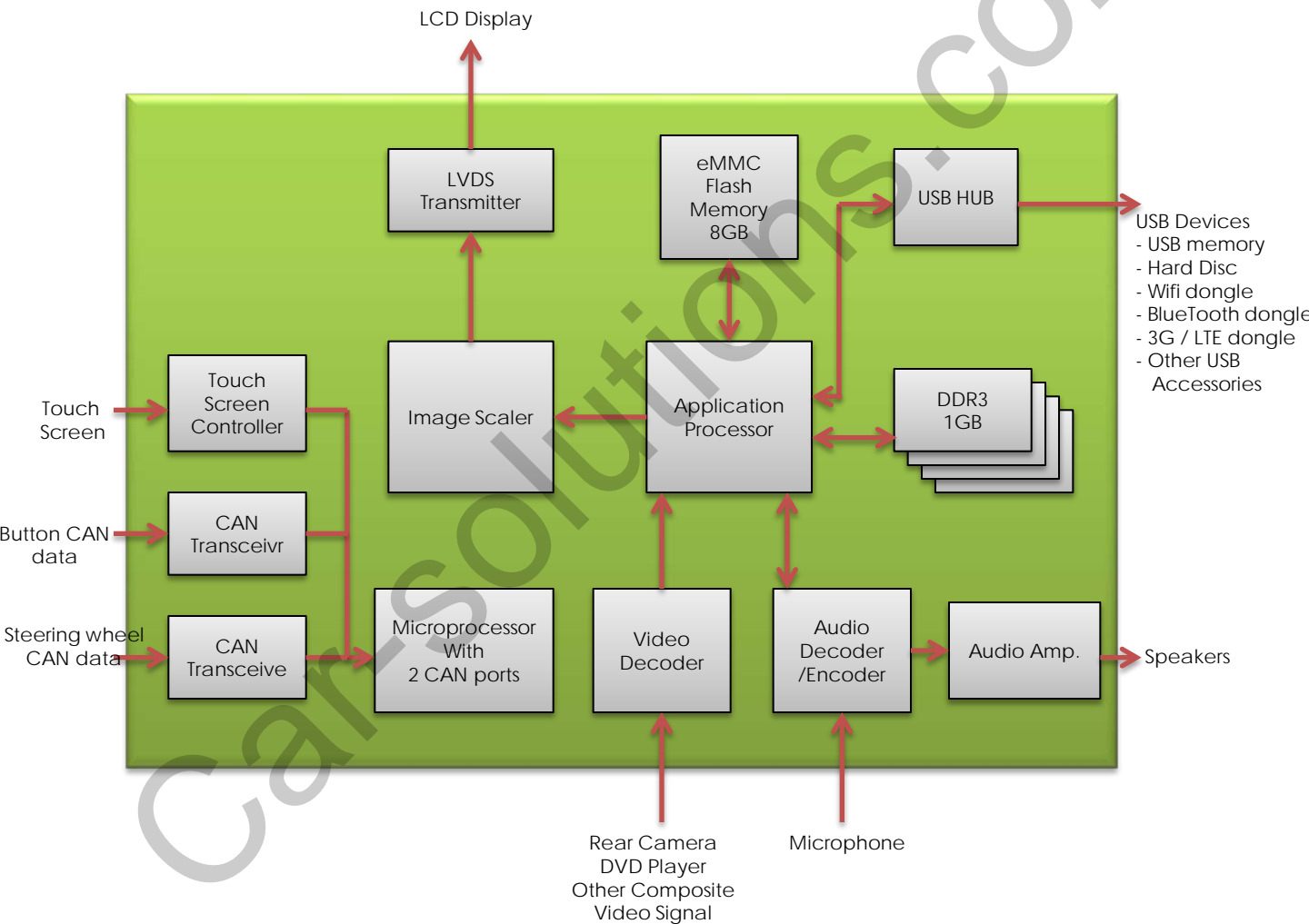
- Always wear seatbelt. When the vehicle is suddenly stop can cause injury.
- Remove dust, oil, and waste on the display.
- Incidental damages (including, without limitation, consequential damages due to the use of this unit and the dead loss of business profit, changes, loss of memory contents, etc) will not be taken responsibility.
- Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.
- The engine is off while the system operates for long time, battery may be discharged.
- This product is not a substitute for your personal judgment. Any route suggested by this navigation system may never supersede any local traffic regulation. Do not follow route suggestions if the navigation system instructs you to perform an unsafe or illegal maneuver.

# 1. General Spec

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OS	Android 4.2.2 (Jelly Bean)
CPU	Telechips TCC8930 (1GHz Cortex A9 DualCore)
Display	OEM LCD
Internal Memory	DDR3 1GB RAM + 8GB eMMC
External Memory	SDHC Slot Support (up to 64GB)
Function	A/V Input x 3, Rear Cam Input x 1, CAN(Controller Area Network) x 2, Mic x 1, External Speaker x 1 (mono), External Audio Out x 1(Car Aux),
Output	LVDS ( thru Video Interface), RGB (thru Sub-Board)
Touch Type	Resistive Touch
GPS	SiRF
Resolution	800*480 or 1024*480
USB	USB 2.0 x 5 (USB x 4, OTG USB x 1)
Input Voltage	12V
Temperature	operating 0 C to 60 C
	Storage -20 C to 60 C
Languages	multi-languages

# 2. System Diagram



# 3. Components



3G dongle \* 1ea (Option)  
(ETCETC0116)



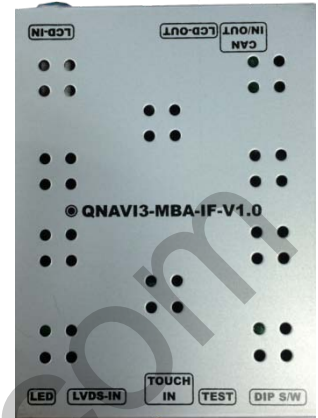
WIFI dongle \* 1ea (Option)  
(ETCETC0110)



LCD cable \* 1ea  
(HLCDCA0007)



LVDS cable \* 1ea  
(HALVDS0024)



Sub-board \* 1ea  
(QCPASS0289)



TOUCH cable \* 1ea  
(HTOUCH0007)



Power cable 16P \* 1ea  
(HPOWER0041)



GPS Antenna \* 1ea  
(GPSANT0006)



Multi cable \* 1ea  
(HARETC0068)



AV/BT Cable \* 1ea  
(HAVCAB0016)



USB cable \* 2ea  
(HARETC0027)



MODE switch cable \* 1ea  
(HARETC0001)



Speaker \* 1ea  
(SPEAKE0001)



Microphone cable \* 1ea  
(MICPHO0001)



REAR CAMERA cable \* 1ea  
(HARETC0002)

## 4. Setting up Dip Switch(Main board)

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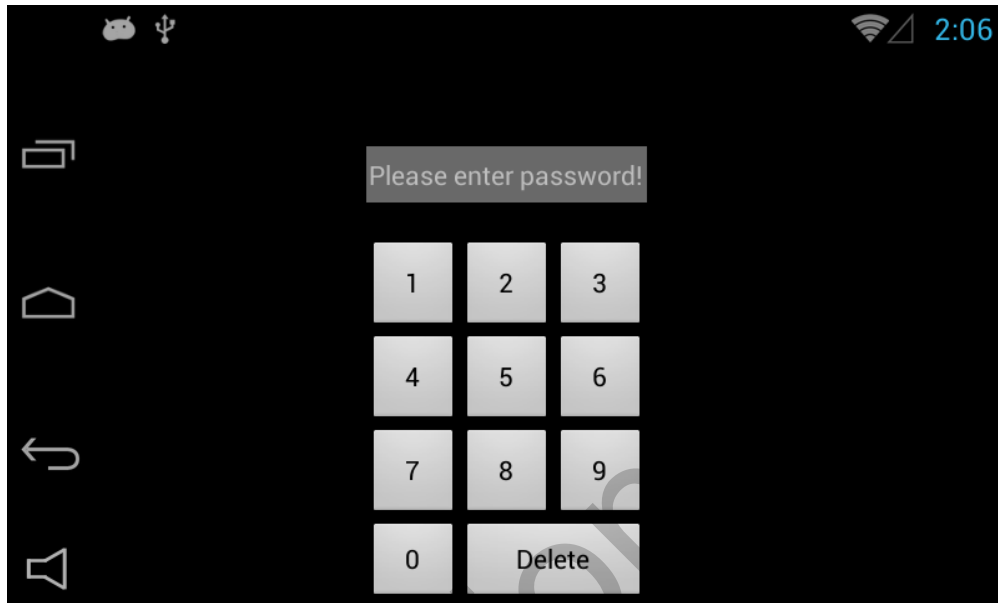


: C Class(W204) 2012~  
Low Resolution Monitor(5.8inch)

※ Please make sure to disconnect the power cable of the interface and reconnect the power cable again to apply the dip switch setting whenever changing DIP switch. Otherwise, DIP switch setting will not be applied.

# 5. Setting Factory Menu

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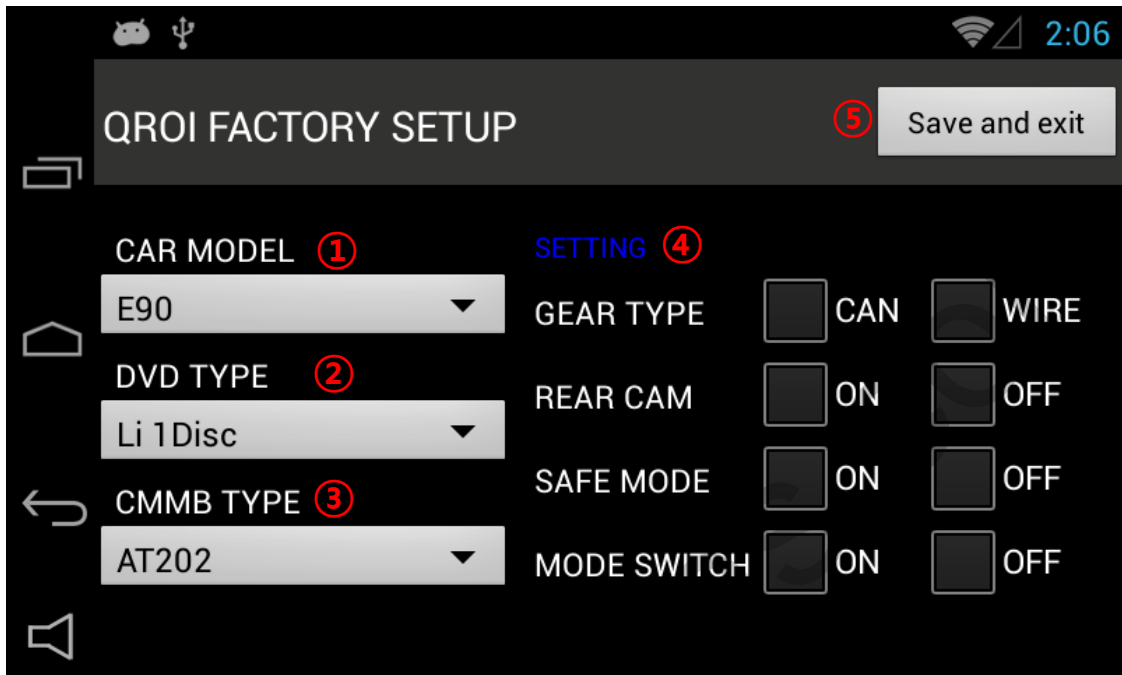
※ APPS→FACTORY SETTING

① Put Password and change program upgrade and set-up of external device. (Only Installers are authorized)

※ Please contact the manufacturer to get Password.



# 5. Setting up Factory Menu



① CAR MODEL : No use

② DVD TYPE : Only for DVD connected to A/V

(Connect IR-AV1 to DVD to use DVD as touch Screen)

③ CMMB SELECT : Select DTV model ( Only Chinese)

④ SETTING

- GEAR CHECK TYPE : Detecting rear camera via either CAN or Rear Lamp.

- REAR CAM : Put "On" – External rear camera

Put "Off " – OEM Camera

- SAFE MODE : Either Enable or Unable to watch Video while driving

- MODE SWITCH : **NO use**

⑤ SAVE & EXIT : Save and Reboot

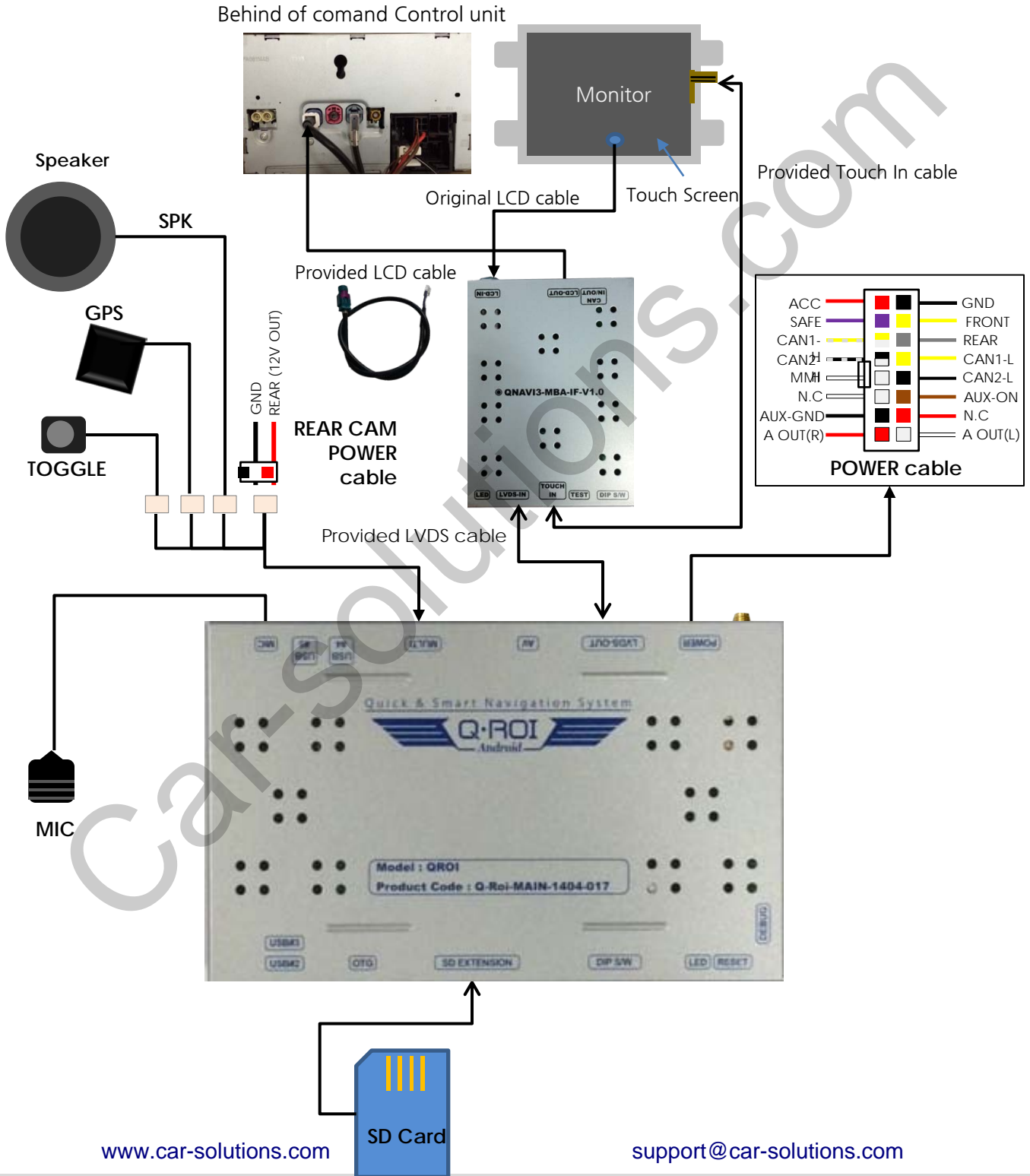
# 6. Cautions before Installation

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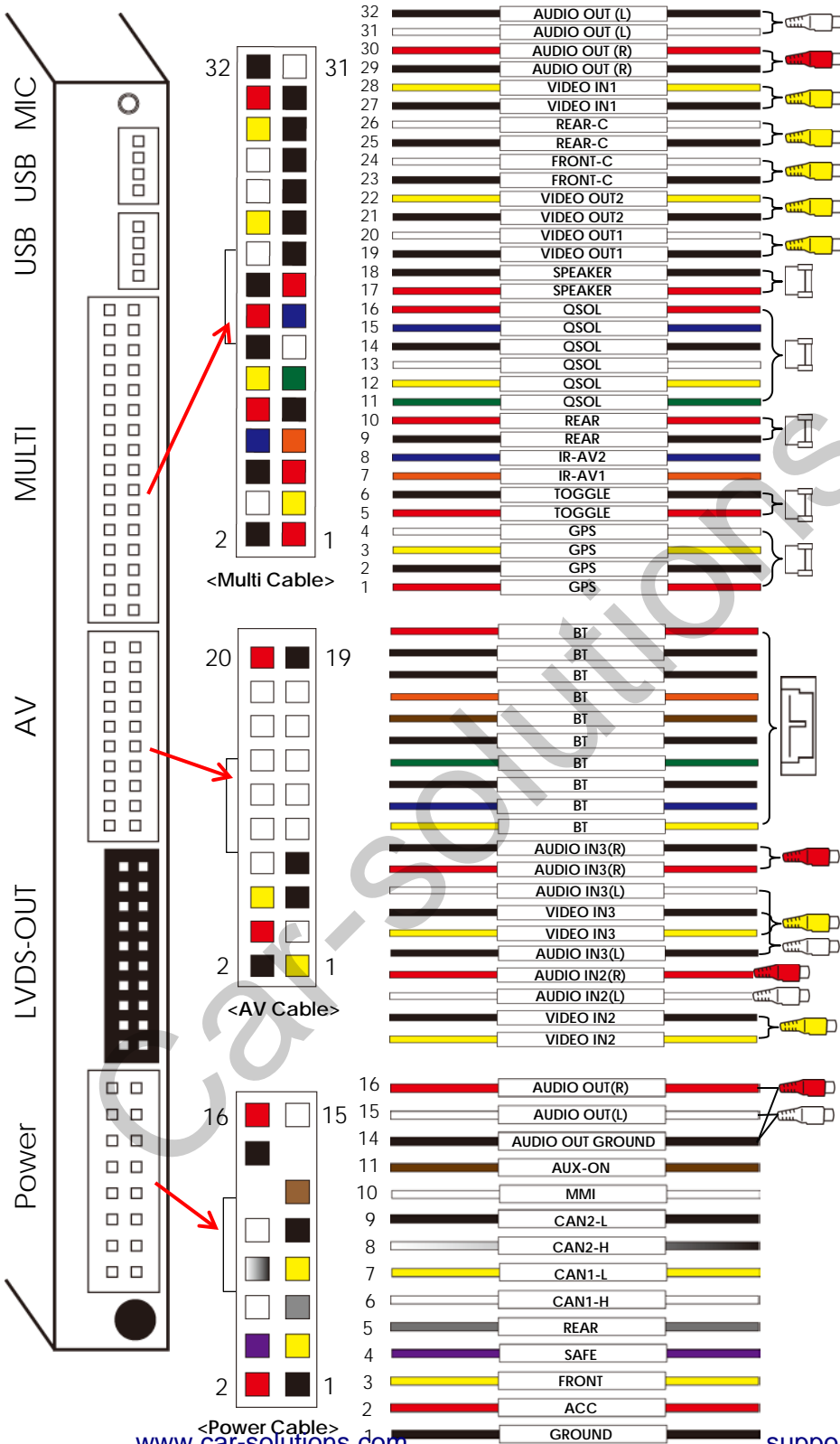
- Ignition key should be taken off before starting installation, interface power connection must be the last step in installation.
- Power cable should be separated when connecting interface.
- Should be no any electronic devices or magnetic pole around installation place.
- All steps of installation should be done by well-trained specialist.
- Dismantling without manufacturer's permission can not be guaranteed, (No permission to break attached label on the board.)
- Kindly check all parts are in the box, when receiving the product, if anything missing, inform to the supplier or manufacturer.
- Install GPS away from electromagnetic devices such as black boxes, Hi-Pass and etc.
- Advisable to Install GPS at the edge of dash board or a front window or a rear window.
- Install GPS antenna mounted on window or roof facing to Sky .
- According to our sales policy, any problems caused by user's mistake, careless can not be guaranteed.

# 7. Installation Diagram

- ※ Pull out the original LCD cable from comand control unit and connect it to LCD-IN of IF.
- Connect a provided LCD cable to the port of comand control unit where the original LCD cable was pulled out.



# 8. Pin Specification of Connector



AUDIO OUT(L)	AUDIO L Input
AUDIO OUT(R)	AUDIO R Inut
VIDEO IN1	VIDEO Input1
REAR-C	Connect Rear Camera VIDEO
FRONT-C	Not available
VIDEO OUT2	VIDEO Output2
VIDEO OUT1	VIDEO Output1
SPEAKER	Connect with Speaker
OSOL	Not available
REAR	Connect Rear Camera
IR-AV2	Connect external device IR Cable
IR-AV1	Connect external device IR Cable
TOGGLE	Connect QDIS Button Cable (For switching mode)
GPS	Connect GPS Cable

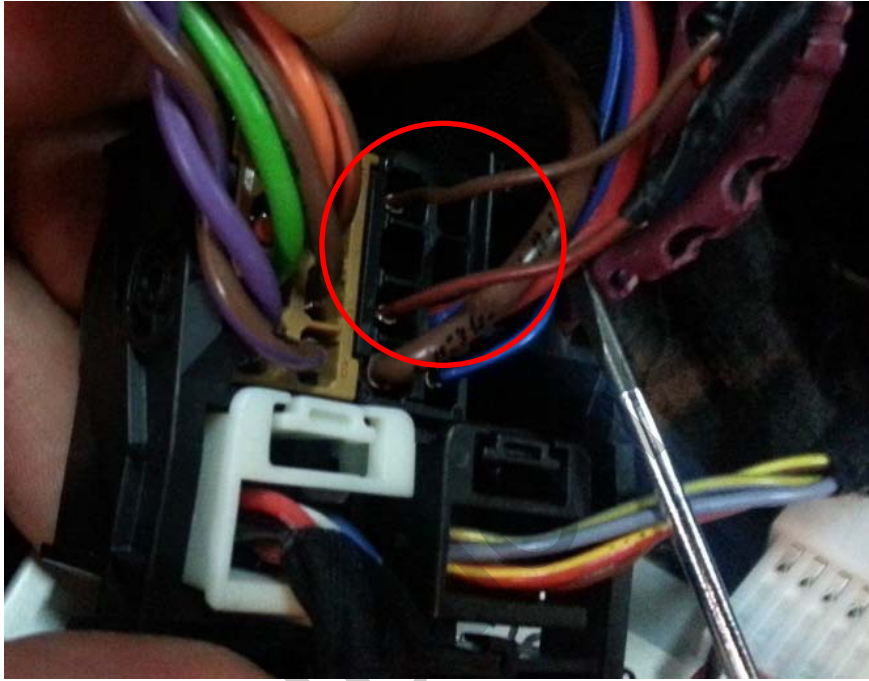
BT	Not available
AUDIO IN3(R)	AUDIO R Input3
AUDIO IN3(L)	AUDIO L Input3
VIDEO IN3	VIDEO Input3
AUDIO IN2(R)	AUDIO R Input2
AUDIO IN2(L)	AUDIO L Input2
VIDEO IN2	VIDEO Input2

AUDIO OUT(R)	AUDIO R Output
AUDIO OUT(L)	AUDIO L Output
AUDIO OUT GROUND	AUDIO Output GROUND
AUX-ON	Not available
MMI	Not available
CAN2-L	Connect with Car CAN2-Low
CAN2-H	Connect with CAN2-High
CAN1-L	Connect with Car CAN1-Low
CAN1-H	Connect with CAN1-High
REAR	Connect with Car Lame cable
SAFE	Not available
FRONT	Not available
ACC	Connect Car ACC
GROUND	Connect Car GROUND

# 9. Installation

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## 9.1 Connection of CAN Wire



- \* Connect CAN1-H(Yellow + White) of Provided Power cable to CAN-High(Brown + Red) of Car.
- \* Connect CAN1-L(Yellow) of Provided Power cable to CAN-Low(Brown) of Car
- ※ You will be able to find the bunch of cable behind Comand control unit

# 10. Quality Warranty

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This product has been tested and have passed under our strict quality control. If the failure occurred due to the carelessness of workmanship within one year after the purchase, we are responsible to repair free of charge.

Please bring this warranty to dealer whom you purchased this product from at the repair time. Should this warranty not presented, repair charged will be on customer. Please keep this warranty card.

Warranty			
Product name	QROI		
Warranty period	1 year	Purchase date (yy/mm/dd)	
Customer	Address		
	TEL		
	Name		
Dealer	Address		
	Name		