

LVDS to RGB Signal Converter for QVI Installation Guide

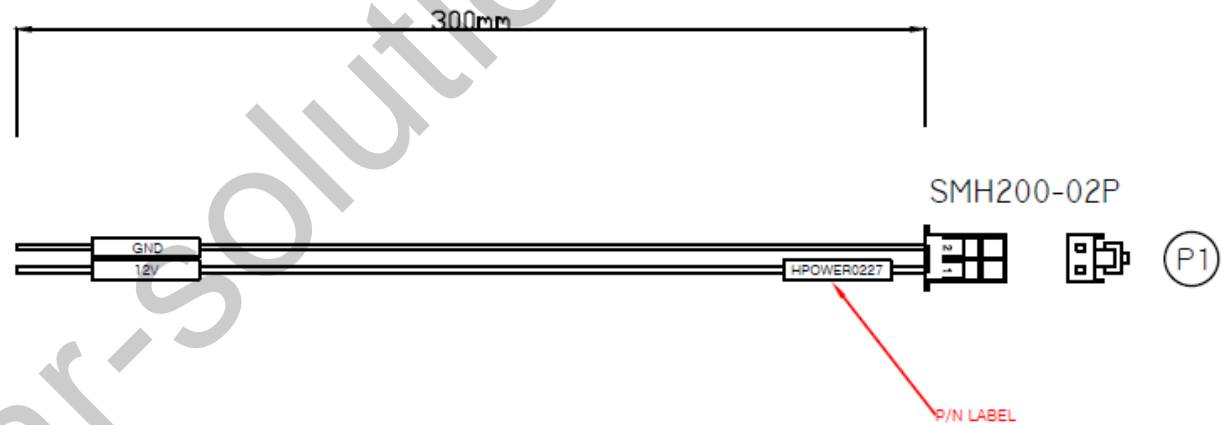
car-solutions.com

•NAVI5CH-TO RGB Product Components

<i>NAVI5CH-TORGB-V2.0SET</i>	
<i>COMPONENTS</i>	<i>EA</i>
<i>QCPASS1351 : TEST : NAVI5CH-TORGB-V2.0</i>	<i>1</i>
<i>HPOWER0227 : NAVI5CH TO RGB POWER CABLE</i>	<i>1</i>
<i>HRGBCA0024 : RGB UART CABLE</i>	<i>1</i>
<i>TOTAL</i>	<i>3</i>

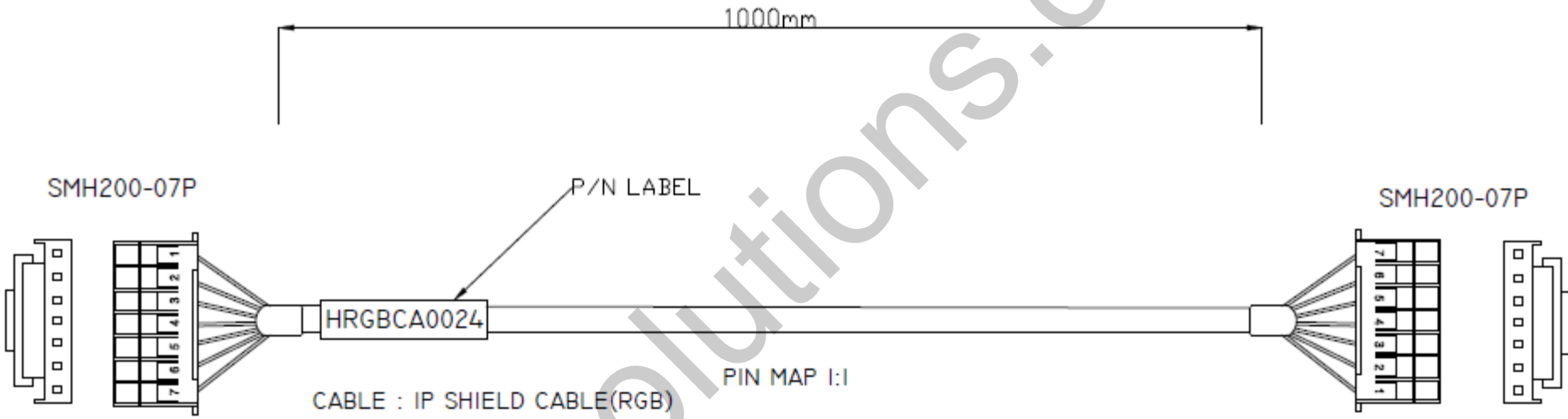
•NAVI5CH-TO RGB power cable pin map

NAVI5CH TO RGB POWER CABLE (P/N:HPOWER0227)



•NAVI5CH-TO RGB RGB UART cable pin map

RGB UART CABLE(P/N:HRGBCA0024)



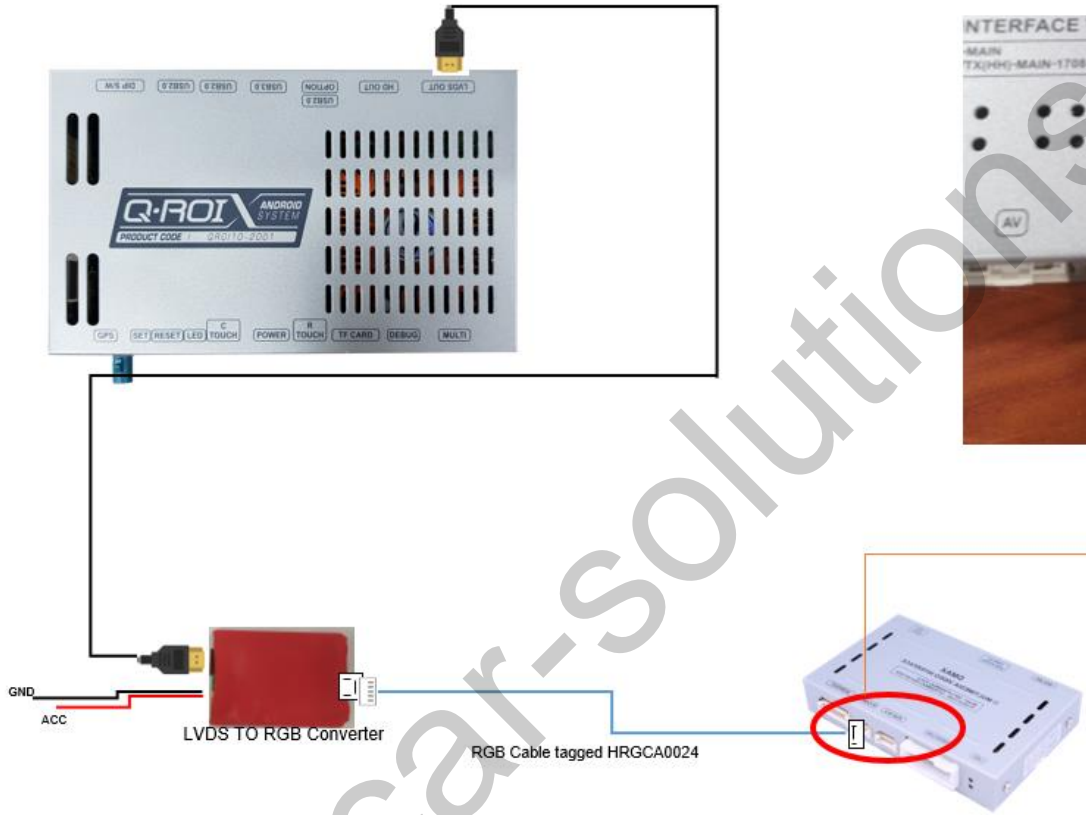
PIN MAP I:I

NO	DESCRIPTION	NO	DESCRIPTION
1	R	6	INTF-TX
2	G	7	INTF-RX
3	B	8	
4	SYNC	9	
5	GND	10	

• Installation Diagram with QROIX

*How to connect LVDS To RGB Converter

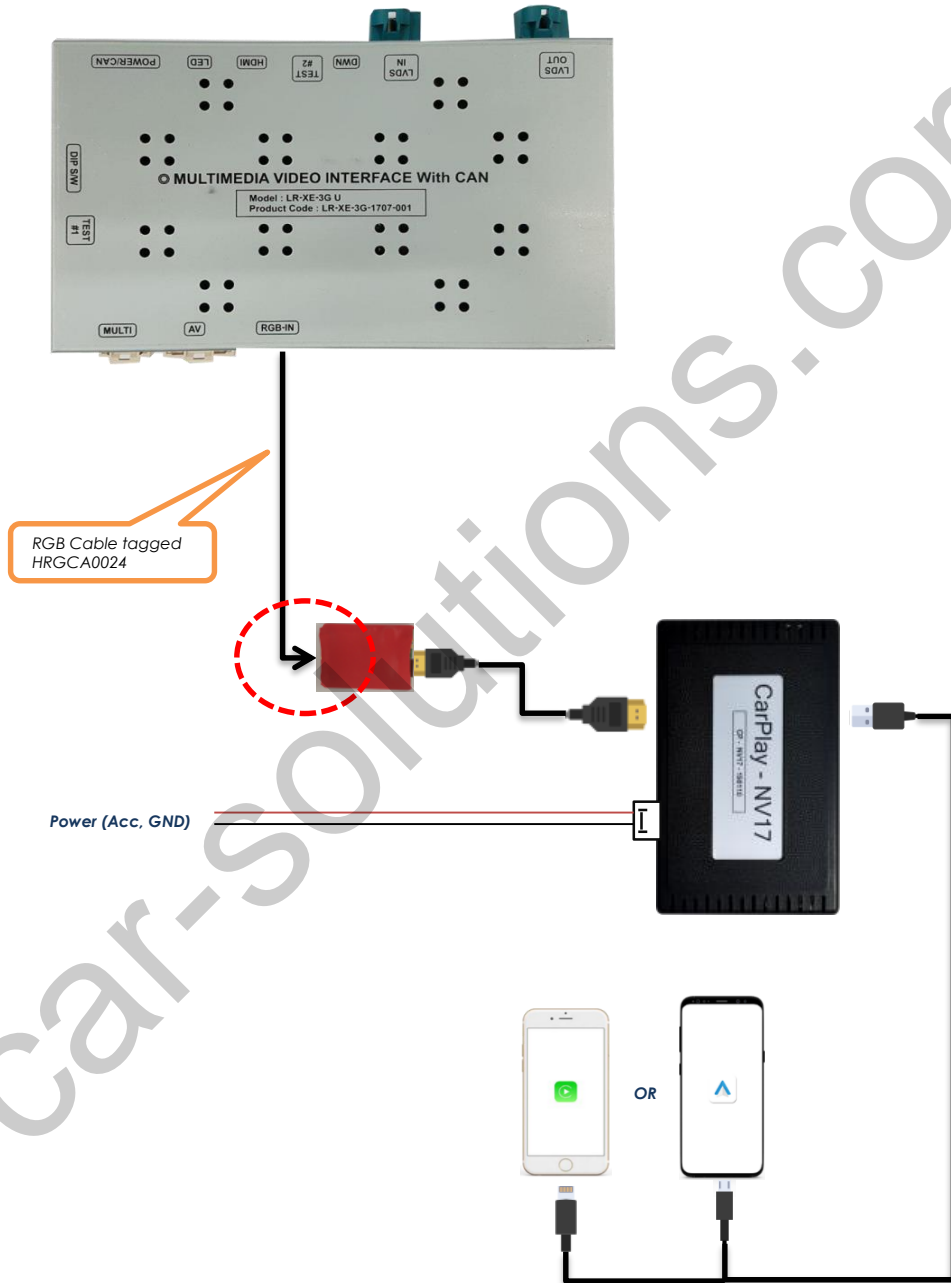
LVDS to RGB dip switch setting:
 1,2 OFF = NV_CP
 1, ON , 2 OFF or 1,2 ON = JY , M2C
 1 OFF, 2 ON = QROIX



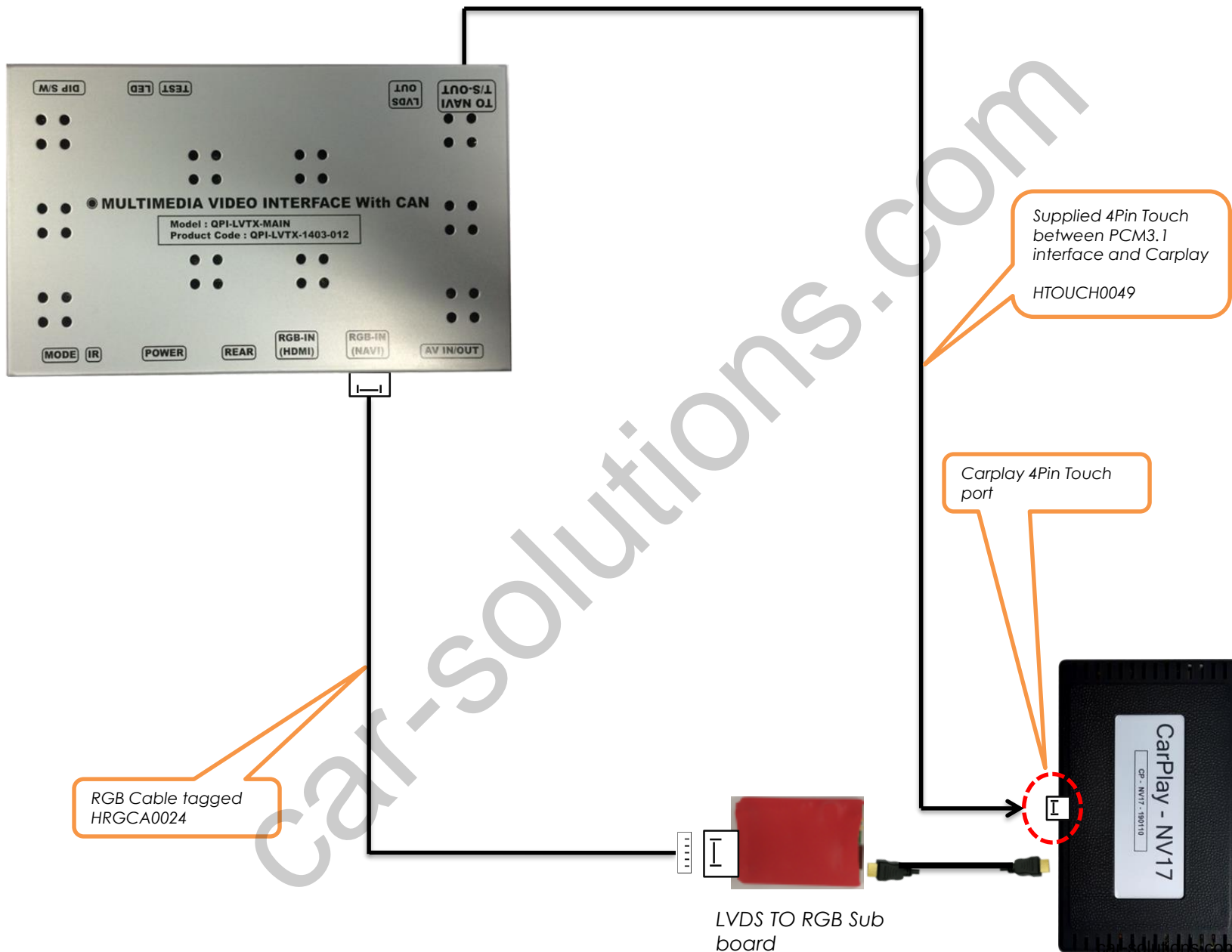
If the Touch generated by Uart, please make sure that the yellow pin of No.7 should be placed to the last on RGB cable. (This wire is for Uart touch. If it is wrongly placed, touch will not work.)



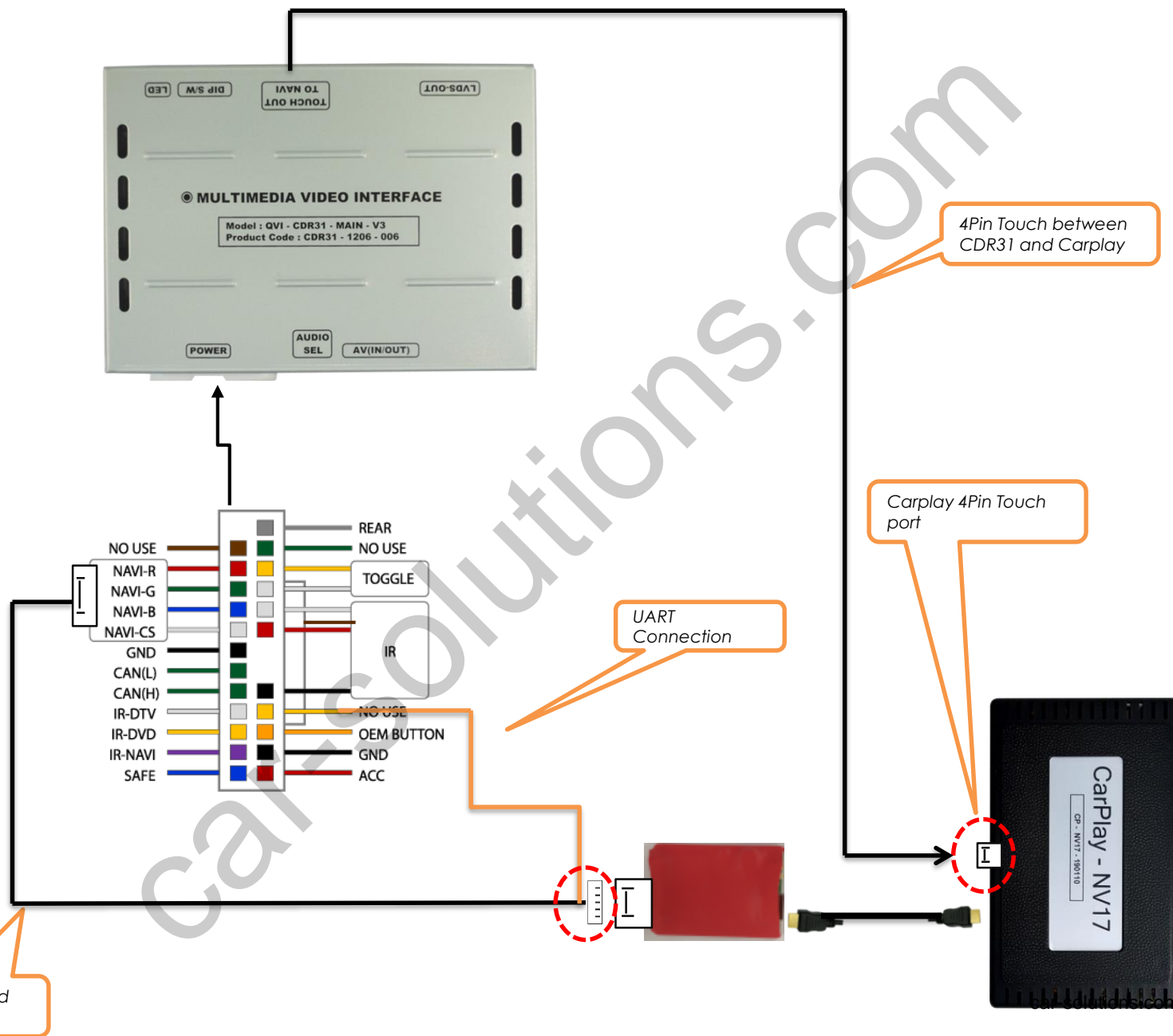
• Installation Diagram with Carplay box



• Installation Diagram with Carplay box



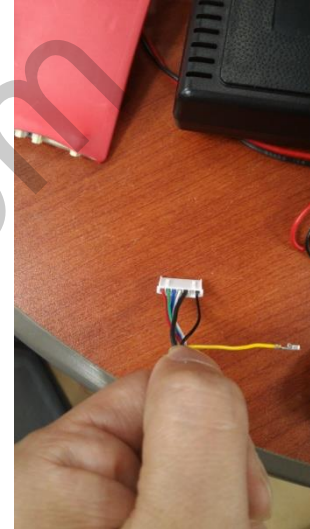
• Installation Diagram with Carplay box



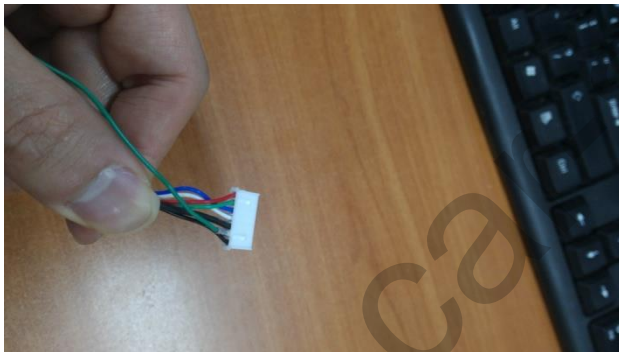
• In case uart_tx wire in interface power connector



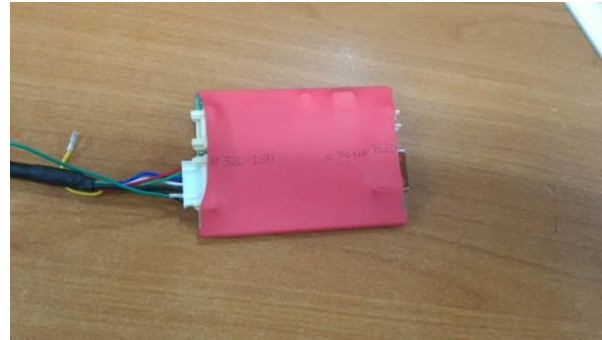
① Please find the Pin No.4 tagged PB12 of Power cable on the interface.



③ Please remove the yellow pin from RGB cable tagged HRGCA0024

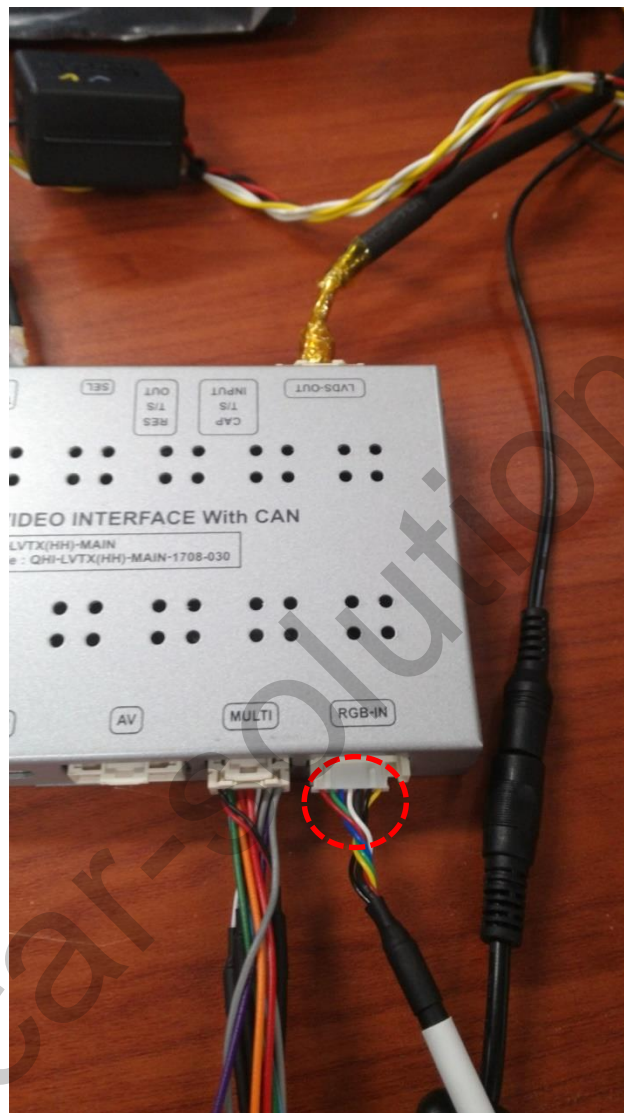


④ Please insert the wire to the empty pin of the RGB cable which yellow pin is removed.



⑤ Please connect the RGB cable to the Converter.

- In case `uart_tx` wire in interface `rgb-in` connector



Please make sure that the yellow pin of No.7 should be placed to the last on RGB cable.
(This wire is for Uart touch. If it is wrongly placed, touch will not work.)

• In case uart_tx wire in interface ts_out connector



① Please find Uart wire on the board above. And pin map is as below.
① RX ② TX ③ No use
Please use TX wire for use of touch.



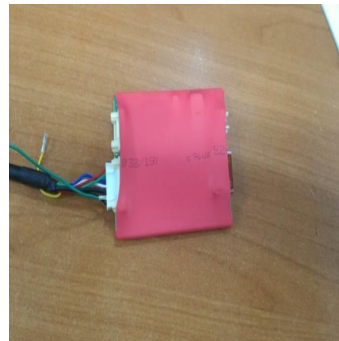
② Please wire it with another one. *Please make sure that the opposite side of the wire has the terminal to plug to the connector of RGB Cable.



③ Please remove the yellow pin from RGB cable tagged HRGCA0024

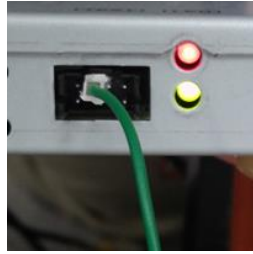


④ Please insert the wire to the empty pin of the RGB cable which yellow pin is removed.

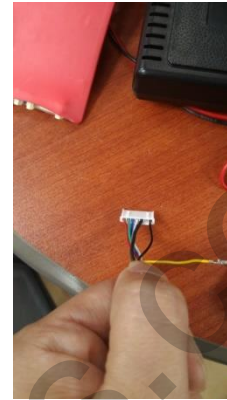


⑤ Please connect the RGB cable to the Converter.

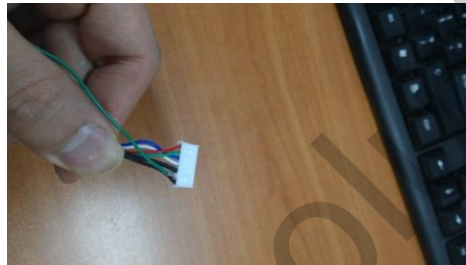
• In case `uart_tx` wire in interface `debug_test` connector



① Please find the Pin No.2 on the rest port and please connect one wire as same as above picture.



② Please remove the yellow pin No.6 from RGB cable tagged HRGCA0024



③ Please insert the wire from test port to the empty pin of the RGB cable which yellow pin is removed.



④ Please connect the RGB cable to the Converter.

***In case of using OEM MMI I Drive, Uart wire should be connected.**