

Installation manual

QROI X Android System

Warning / Precautions!



Warning

- Installation must be done at designated QROI A/S center. Do not dismantle, modify and install the product in the unauthorized places. In case of product failure while installing the product in the unauthorized places warranty will be void



Warning

- Always wear a seatbelt. In case of a sudden stop, it may cause a passenger harm
- Remove dust, oil, and waste on the display.
- Manufacturer does not take a responsibility of Incidental damages that occurs whether or not passengers use its product.
- Drivers must not use/control the product while driving. Park the car in a safe place in the first place before using it.
- Do not use the product for a long time while engine is turned off. The car battery might go flat.
- A map guided on the screen might not be in concordance with the actual road condition. In a such condition, follow the actual traffic situation.

1. Features

- Android 8.1 (OREO)
- Powerful RAM and Internal Storage spec ([RAM 4GB LPDDR3 & 32GB eMMC](#))
- Powerful CPU (ARM Cortex-A72 + Cortex-A53@2.0GHz ([HEXA CORE](#))
ARM Mali-T860 ([QUAD CORE](#)))
- Allows installing and updating various application via Android Play Store
- Provides High quality video display (720P, simultaneous Video Output of LVDS and HDMI)
- Multiple ways to store data and communication ports (3 * USB, 1*Micro SD slot)
- Supports AUX OUT by Bluetooth and FMTX
- Access to the Internet & Data with using WiFi and 4G Data by Dongle
(Dongle Option)
- Program & FW update by USB Thumb memory stick

2. Product Dimensions



3. Specification

CATEGORY		SPECIFICATION
OS Version		8.1 (OREO)
CPU		ARM Cortex-A72 + Cortex-A53@2.0GHz (HEXA CORE) ARM Mali-T860 (QUAD CORE) - for GPU
Memory	RAM	4GB LPDDR3
	INTERNAL STORAGE	32 GB eMMC
	EXTERNAL STORAGE	microSD slot (MAX 128GB)
Network	WI-FI	802.11 a/b/g/n/ac (2.4 GHz / 5 GHz) Internally on board with Antenn a
	BLUETOOTH	4.0 (Internally on board with Antenna)
	MODEM	LTE + UMTS + GSM (CONNECT TYPE : External USB Dongle type): Option
	GPS	GPS + GLONASS
Video	OUT	LVDS 5CH x 1 / HDMI x 1
	IN	None
Audio	OUT	AUX + SPK + BT AUX + FM TX
	IN	MIC
USB PORT		HOST x 3 (Internal 2.0 Port x 1 + 3.0 Port x 1 / Extension Cable Port x 1) OTG x 1
TOUCH INPUT		Resistive + Capacitive + UART
Language		Mult-Language
Power		DC 9V ~ 18V
Operating Temperature		-10°C ~ 70°C
Storage Temperature		-20°C ~ 80°C

4. Components



Mainboard * 1ea



POWER * 1ea
(HPOWER0245)



MULTI * 1ea
(HAERTC0321)



GPS * 1ea
(HAGPS0013)



HDMI Cable * 1ea
(HARETC0067)



USB extension
cable * 1ea
(HARETC0078)



MIC * 1ea
(MICPHOC0003)



SPKEAR * 1ea
(SPEAKER007)



Resistive touch * 1ea
(HTOUCH0022)



Capacitive Touch * 1ea
(HTOUCH0036)
Option



Touch Board * 1ea
(QCPASS0821)
Option

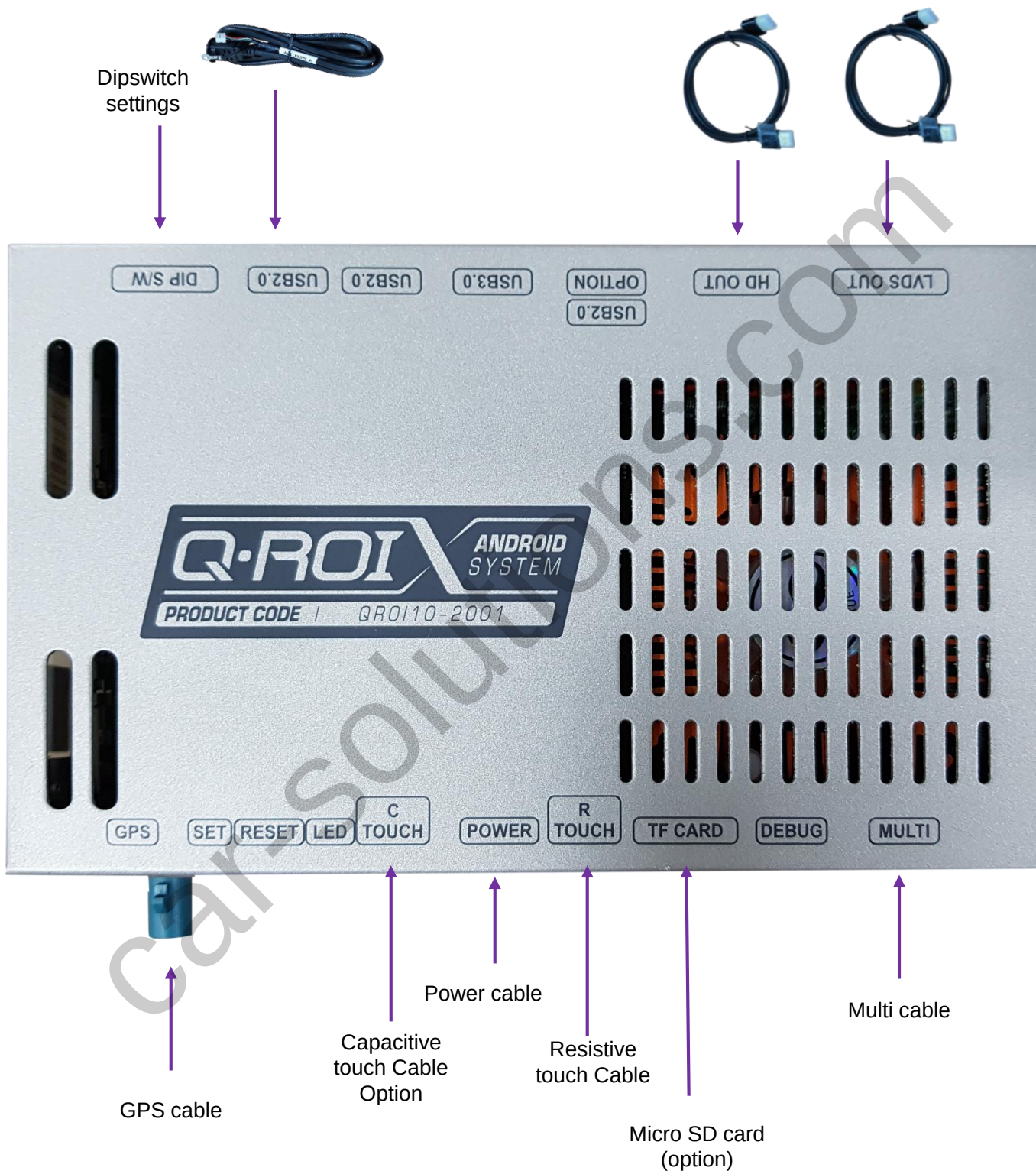


4G Dongle * 1ea
Option



4G Dongle cable * 1ea
Option

5. Product Exterior



6. Dip switch

*Resolution type selection



1280 x 720 Resolution



1600 x 600 Resolution (For Wide monitor)

*Touch Type Selection



UART & Cap Touch Use



Resistive Touch Use

*Cap Touch Selection



Benz 8inch and 8.4inch Cap touch panel (XWC2800)



Benz 12.1inch Cap touch panel



Universal 7inch Cap touch panel (XWC2821)



Audi A3, Q2 7inch Cap touch panel (XWC2410)

6. Dip switch

*Cap Touch Selection



Universal 6.5inch Cap Touch panel
(XWC1873)



Lexus NX 7inch Cap touch panel
(XWC3941)



Audi A4, A5, Q7 8inch Cap touch
panel
(XWC3536)



Audi A4, A5, Q7, Q2, A3 7inch Cap
touch panel
(XWC3534- Q2 & A3, XWC3535)

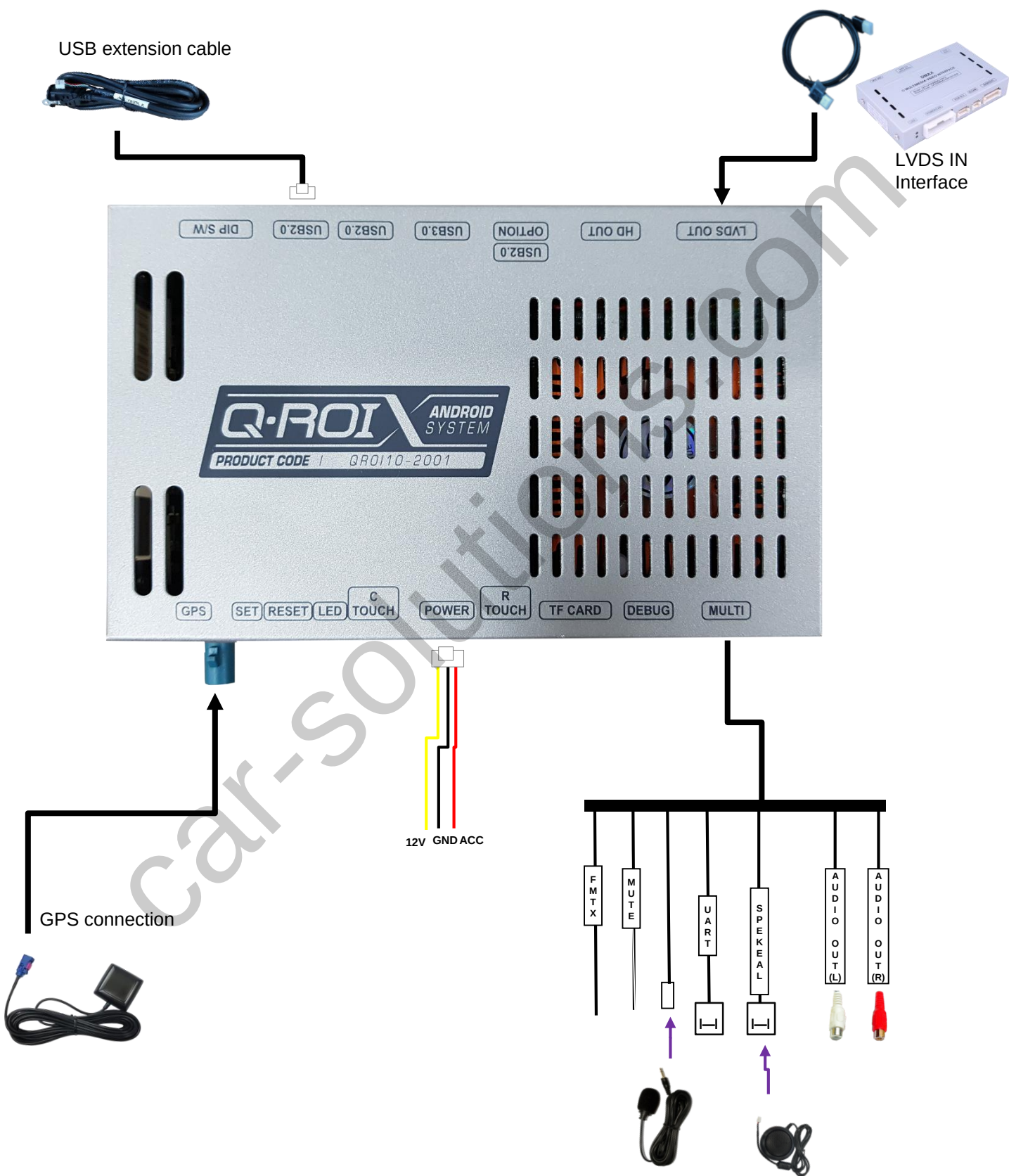


Benz 7inch Cap Touch Panel
(XWC2433)



Benz A, B Class 7inch Cap Touch Panel
(XWC1822)

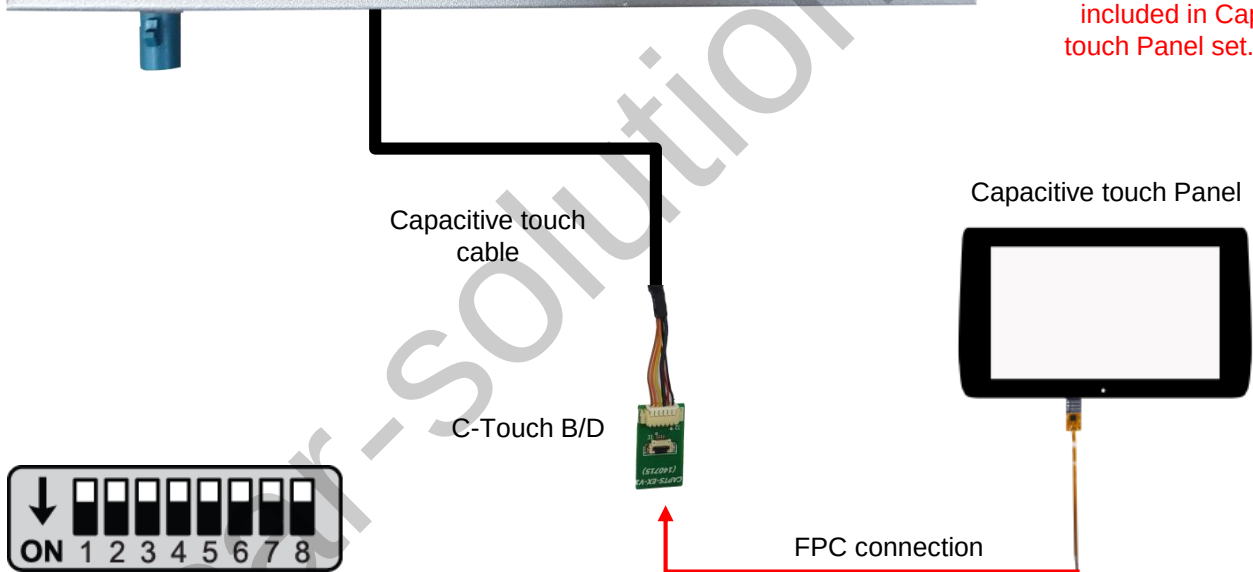
7. Installation diagram



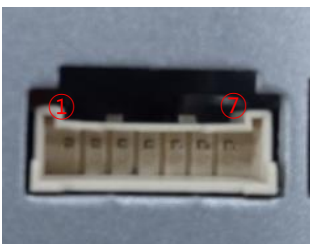
8.1 Capacitive touch installation



*Capacitive touch cable is included in Cap touch Panel set. (option)



Dip Switch No.4 should be Up.



PIN No. 1 : VCC3V3_SYS
PIN No. 2: CAP Touch Reset
PIN No. 3: Cap Touch SCL
PIN No. 4: Cap touch IRQ
PIN No. 5: Cap Touch SDA
PIN No. 6: GND
PIN No. 7: NC

PIN MAP

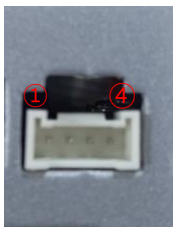
8.2 Resistive touch installation



Dip Switch No.4 should be Down.



Interface



PIN MAP

PIN No. 1 :X+
PIN No. 2: Y+
PIN No. 3: X-
PIN No. 4: Y-

8.3 Uart touch installation

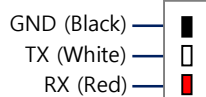
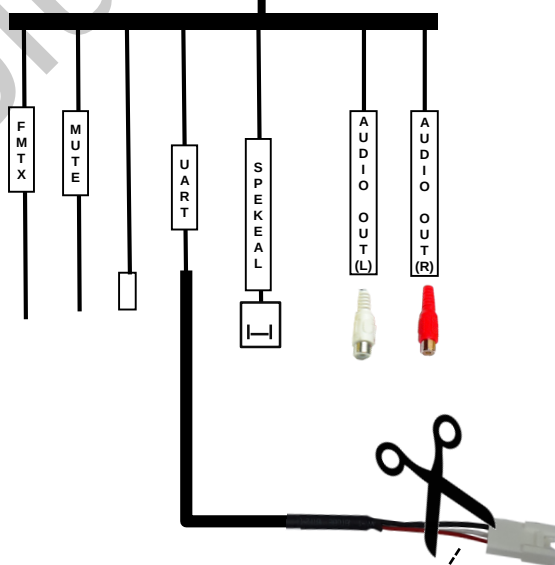


*When HDMI OUT uses, Uart Touch wire should be connected to Video interface.

*When LVDS OUT uses, no need to connect Uart touch wire.



Dip Switch No.4 should be Up.



Interface UART Cable

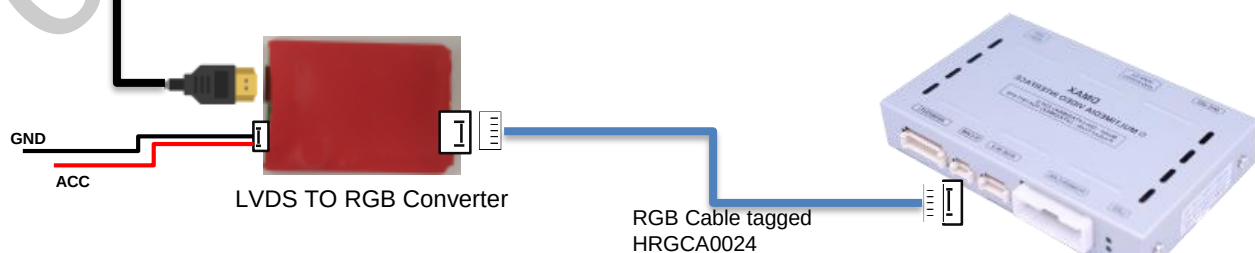


9. LVDS to RGB Converter installation



*LVDS TO RGB Converter is Option.

*This Converter is needed to connect to only RGB-In Interface



*LVDS TO RGB Converter Dip No.2 Should be DOWN.