

# User manual

## Q-ROI3 RGB

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Car-Solutions.com

# Warning / Precautions!

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**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. Feature

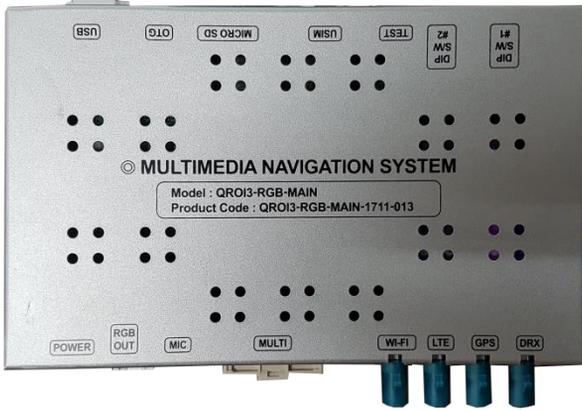
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- Android 6.0.1 (Marshmallow)
- Powerful CPU (1.1GHz Cortex A7 Quad-Core CPU )
- Able to install and update various application via Android Play-Store
- Provides High quality video display (800 x 480, RGB or CVBS))
- Multiple ways to store data and communication ports  
(Dual USB, 1\*Micro SD slot)

## 2. Specification

INDEX	CONTENS
OS	Android 6.0.1 (Marshmallow)
CPU	MSM8909 (Qualcomm Cortex-A7 Quad 1.1GHz)
Memory	1GByte DDR3
Internal Storage	8GByte eMMC
Display	Analog RGB + Composite HYSync
Resolution	800 x 480 (WVGA)
SD CARD	Single microSD slot
GNSS	GPS/GLONASS/BeiDou FAKRA Connector (with GPS Antenna, 5m)
USB	Dual USB(A) Host (with Dual USB Host Cable)
LTE/3G Network	Frequency Bands FDD LTE: B1/B3/B5/B7/B8/B20 TDD LTE: B38/B40/B41 WCDMA: B1/B5/B8 GSM: 850/900/1800/1900Mhz FAKRA Connector (with Dipole Antenna)
USIM	Single USIM slot
WLAN Bluetooth	2.4G/5.8G, 802.11b/g/n BT2.1+EDR/3.0/4.1LE FAKRA Connector (with Dipole Antenna)
Touch	C-Touch, R-Touch, UART-Touch (within Multi cable)
Video Input	none
Map voice exclusive Speaker	Φ 57 mm 4Ω /2 W Speaker (within Multi cable)
Audio Output	Stereo AUX (within Multi cable: dual RCA) Bluetooth(Source)
Language	Worldwide language (Support Google android's world language) Virtual Keyboard: English
Power	DC +12V/2A
Operating Temperature	-10°C ~ +70°C
Storage Temperature	-20°C ~ +80°C
Dimension	150mm(W) x 100mm(H) x 25mm(D)

# 3. Components



Mainboard \* 1ea



POWER \* 1ea  
(HPOWER0137)



MULTI \* 1ea  
(HAERTC0208)



GPS \* 1ea  
(HAGPS0003)



Dipole extension  
cable\* 2ea  
(HAGPS0006)



USB extension  
cable \* 1ea  
(HARETC0111)



RGB \* 1ea  
(HRGBCA0025)



MIC \* 1ea  
(MICPHOC0002)



Dipole Antenna \* 2ea  
(ETCETC0332)



SPKEAR \* 1ea  
(SPEAKER007)



BUTTON \* 1ea  
(HARETC0001)



Resistive touch \* 1ea  
(HTOUCH0022)



Capacitive Touch \* 1ea  
(HTOUCH0036)



C-Touch Board \* 1ea  
(QCPASS0821)

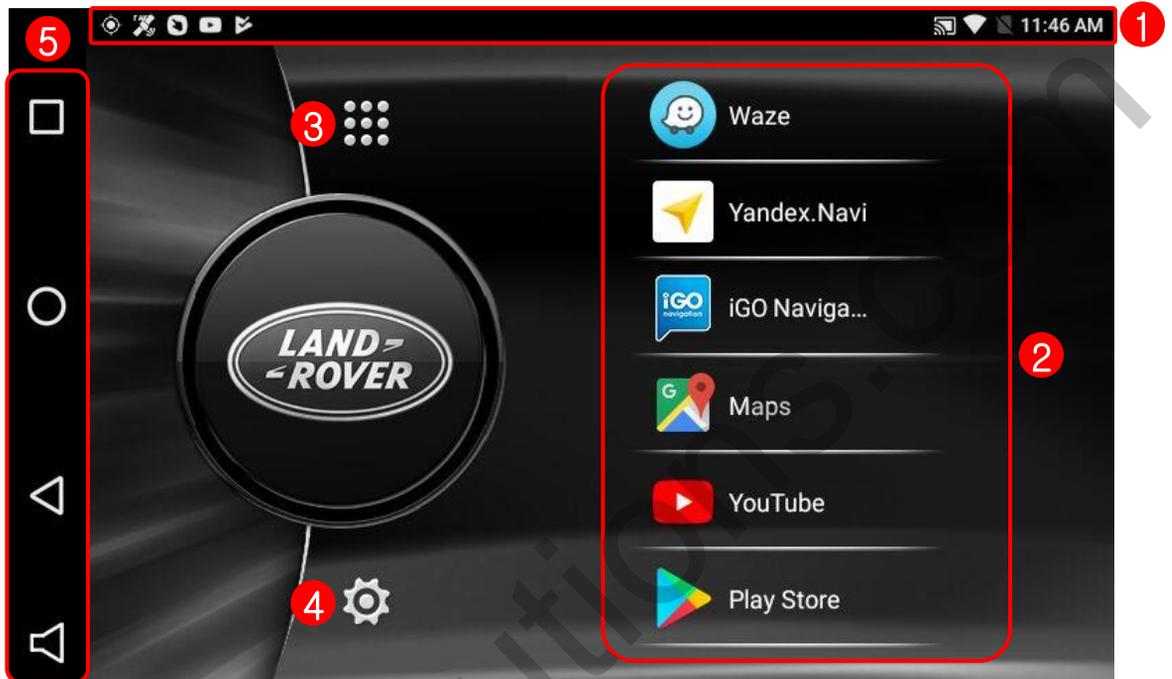


C-Touch extension  
board\* 1ea

# 4. How to use

## 4.1 Home page

※ Once Q-ROI is turned on, the mainpage is displayed as below



### ① Status bar

Drag down the status bar to view the information in details

### ② Main icon

Q-ROI provides six shortcut icons on the home page  
Able to run application once the shortcut icon is selected

### ③ Apps

Display the list of Android application

### ④ Settings

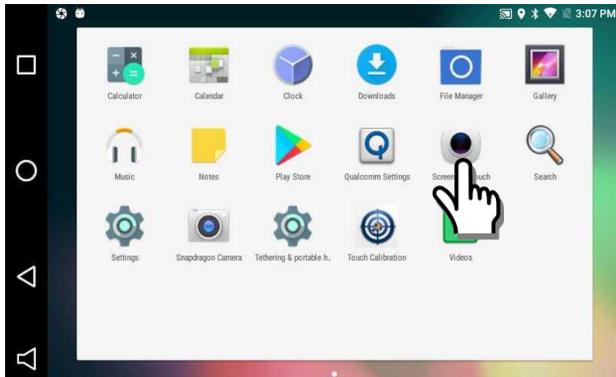
Change the settings of Q-ROI

### ⑤ Navigation Bar

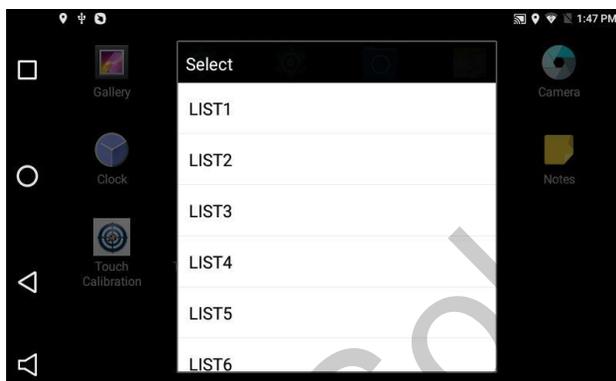
-  : Run and delete the application from the recent apps list
-  : (while running apps) go back to home page  
(Long press) play Google Now
-  : Go back to the previous page
-  : Turn on/off or Volume up/down Q-ROI sound

# 4. How to use

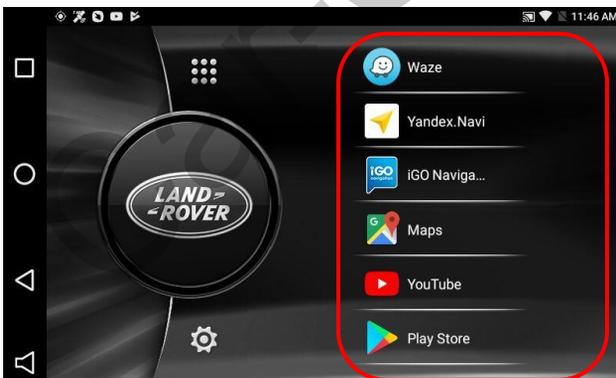
## 4.2 Change shortcut icons



1. Click the application for long time to move the application to the home page



2. Select the position between List1 and List 6



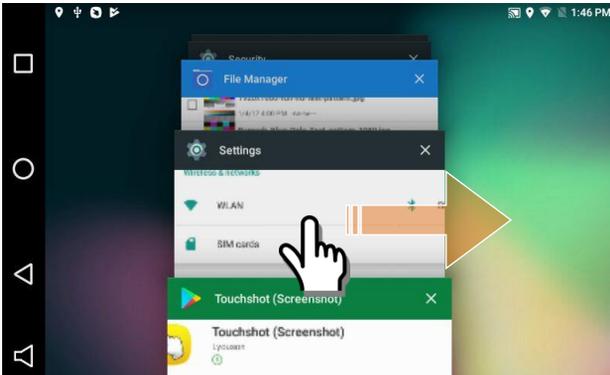
3. Shortcut icons will be changed as shown on the left

# 4. How to use

## 4.3 Sidebar

※ Sidebar helps to use QROI in a easier way.

1.  (Multi key): Find, open and close recent apps



- Once the button is pressed, the recent apps will be displayed as shown on the left

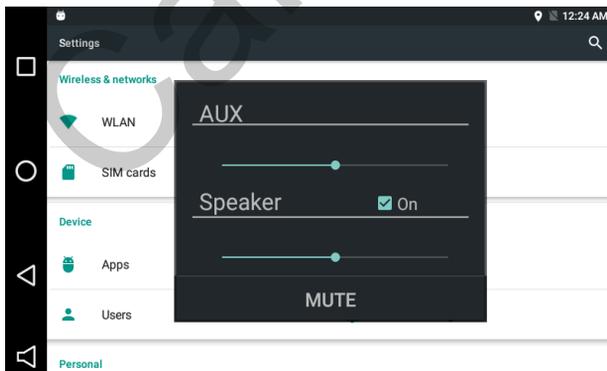
- Replay the application when the application is clicked

- Remove the application on the recent apps by dragging left or right

2.  (Home key): (While running application) Go back to Home page  
(Long press) play Google Now

3.  (back button): move to the previous page

4.  : Turn on/off or Volume up/down Q-ROI sound



- click the button to open the new window as shown on the left

- AUX : Volume up/down Aux sound when the sound is connected to Car aux

- Speaker : Volume up/down the sound from the supplied speaker. In case of "Off", the supplied speaker will not have sound and only car aux will work

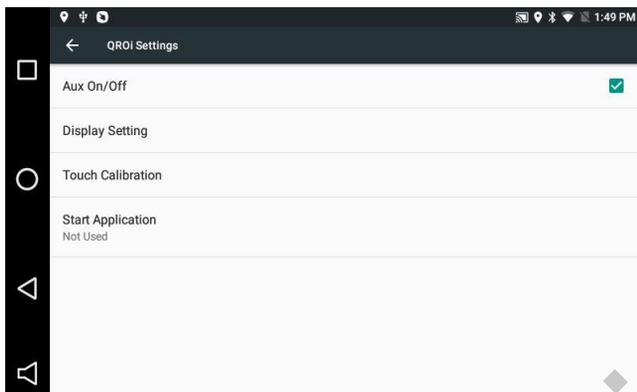
- MUTE : mute on/off

# 5. Settings

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## 5.1 QROI SETTINGS

 settings ► QROI Settings



- AUX On/OFF
- Display Setting
- Touch Calibration
- Start Application

# 5. Settings

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## 5.2 Touch Calibration



setting ▶ QROi Settings ▶ Touch Calibration

OR

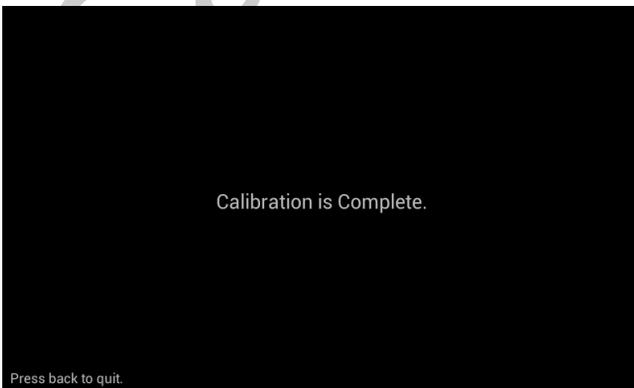
press the mode button for 5seconds.



•Touch Calibration.



•Press each target position by a finger.



•Completed.

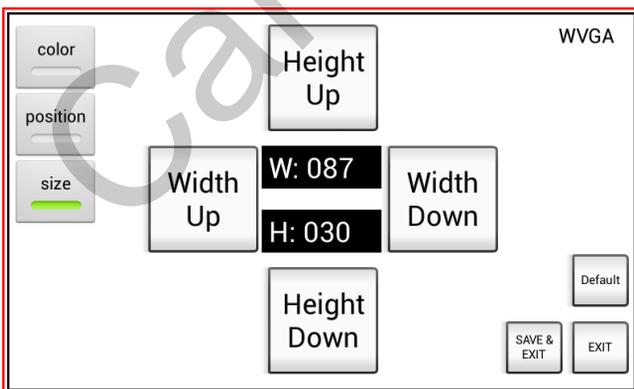
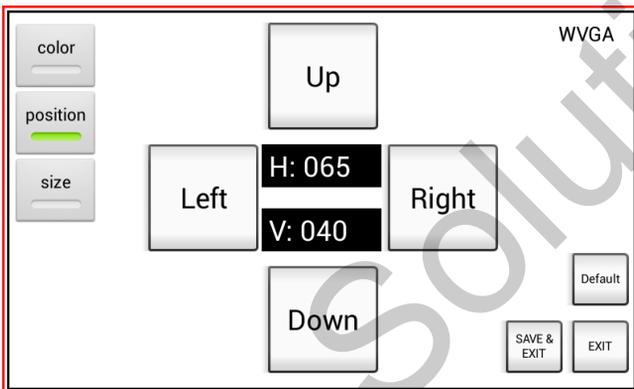
# 5. Settings

## 5.3 Display setting

⚙️ setting ▶ Q-ROi Settings ▶ Display setting



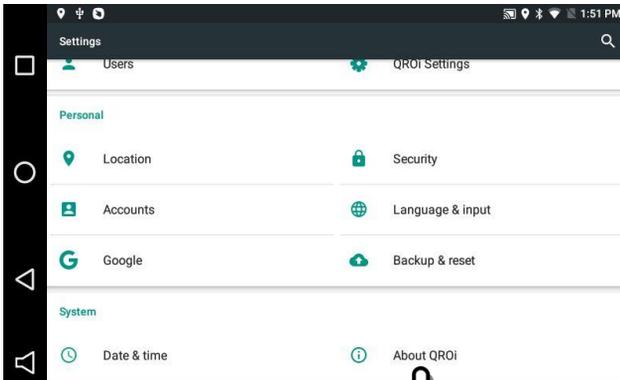
👉 Please make sure to click save and exit after selecting color, position or size.



# 5. Settings

## 5.4 System update

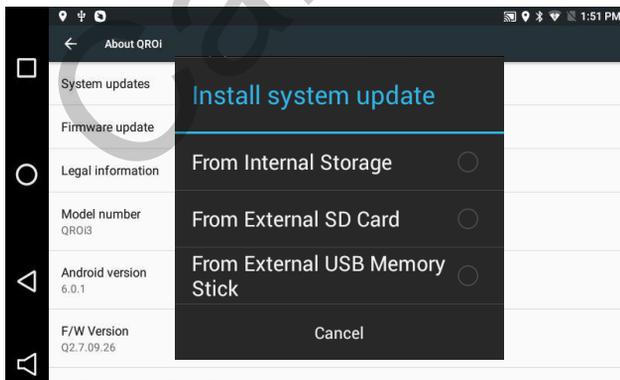
Settings ► About QROi



•Click About QROi



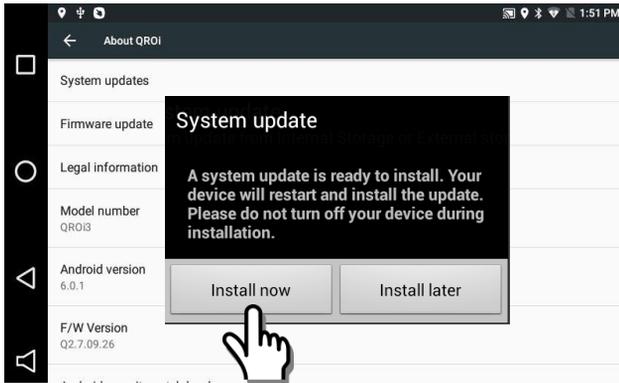
•Choose System update  
(use update.zip)  
•Press Firmware update  
(use fw.qvl)



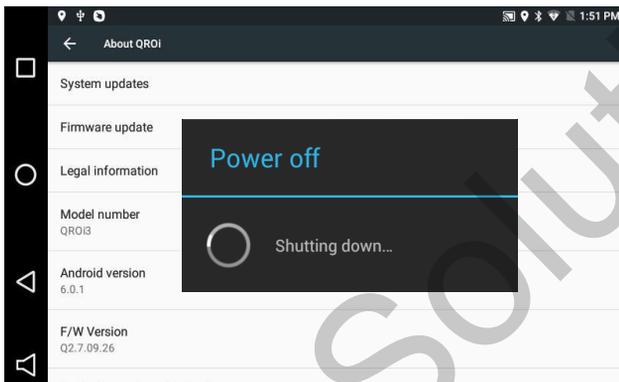
•choose the device where the update file is saved

# 5. Settings

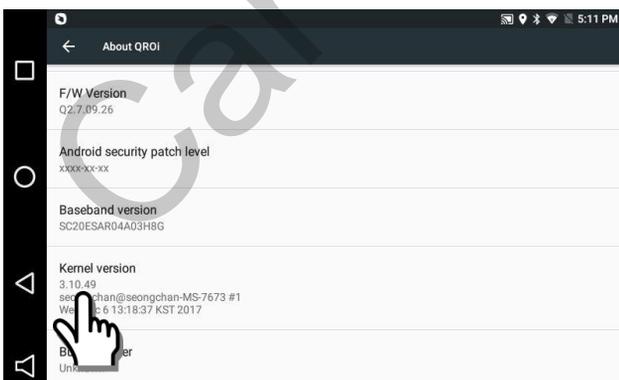
## 5.4 System update



•Press Install now to start the update



•Once power is turned off, the update begins



•Able to check the latest version from Kernel version

# 8. Quality Warranty

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This product has been tested under the strict quality control and it passed the test. If the product fails to work within one year because of manufacturer's fault, the repair service will be provided for free. In this case, please bring this note to the place where you purchased for the repair service

If this warranty is not presented, the cost of repair will be charge to customers. Please keep this warranty note.

Warranty			
Product name	Q-ROI3 RGB		
Warranty period	1 year	Purchase date (yy/mm/dd)	
Customer	Address		
	TEL		
Dealer	Name		
	Address		
	Name		