

SUNE10 PRO (4+64G) Android System Installation Guide



Features

- Install and update various application via Android Play-Store
- 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 Internet & Data using Wi-Fi and 4G Data with dongle (Dongle Option)
- Program & firmware update by USB Thumb memory stick



Product Dimensions





Specifications

OS Version			Android 10.0
CPU			ARM Cortex-A72 + Cortex-A53@2.0GHz (HEXA CORE) ARM Mali-T860 (QUAD CORE)
	Memory	RAM	4GB LPDDR3
		Internal Storage	64GB eMMC
		External Storage	microSD slot (max 128GB)
	Network	Wi-Fi	802.11 a/b/g/n/ac (2.4GHz / 5GHz)
		Bluetooth	4.0
		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 + Capasitive + UART
Power			DC 9 V - 18 V

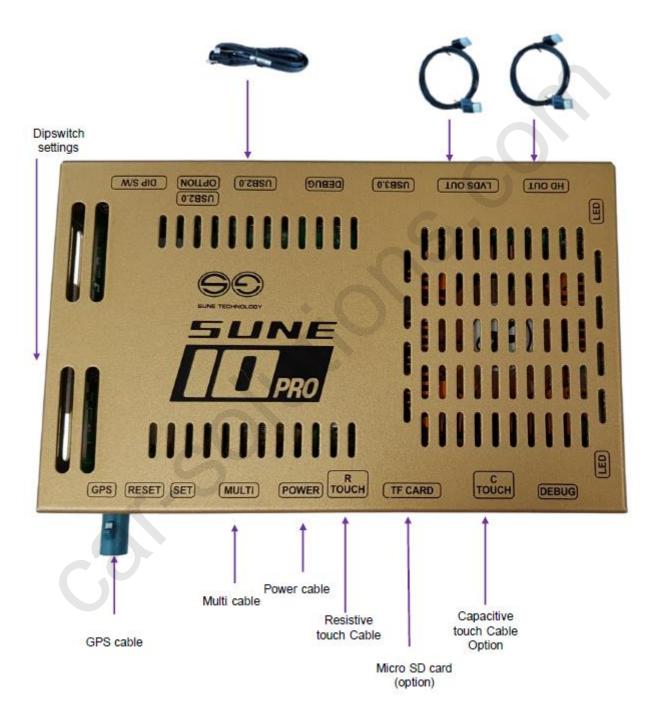


Package Content





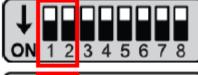
Connection





Dip Switch

*Resolution type selection



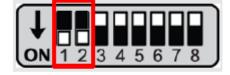
1280 x 720 Resolution / OUTPUT 800 x 480 (Ratio 16:9)



1600 x 600 Resolution (For Wide monitor) OUTPUT 800 x 480 (Ratio 8:3)



OUTPUT1280 x 720 Resolution (Ratio 16:9)



OUTPUT1920 x 720 Resolution (Ratio 16:9)



DIP 5 OFF USE EXTRA GPS ANTENNA DIP 5 ON USE OEM/FACTORY GPS ANTENNA

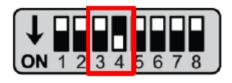
*Touch Type Selection



UART & Cap Touch Use



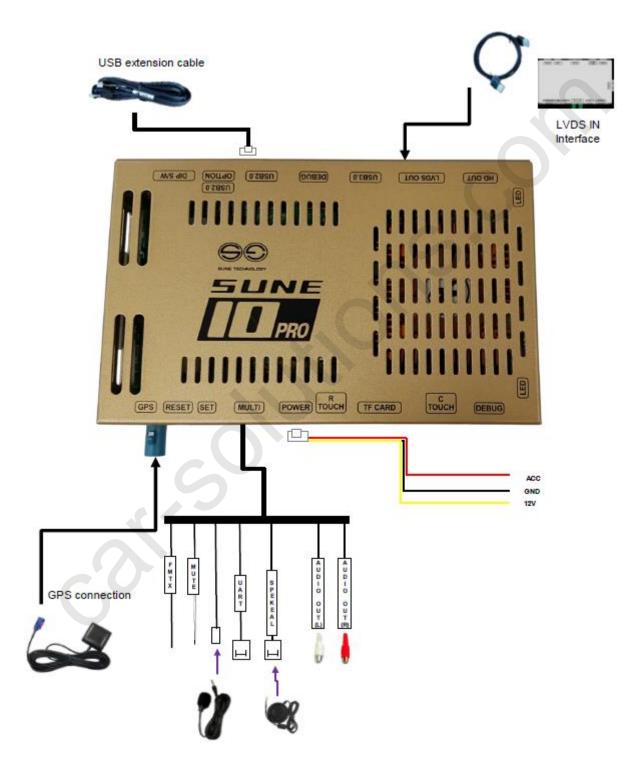
Lexus I drive / Infiniti



Resistive Touch Use

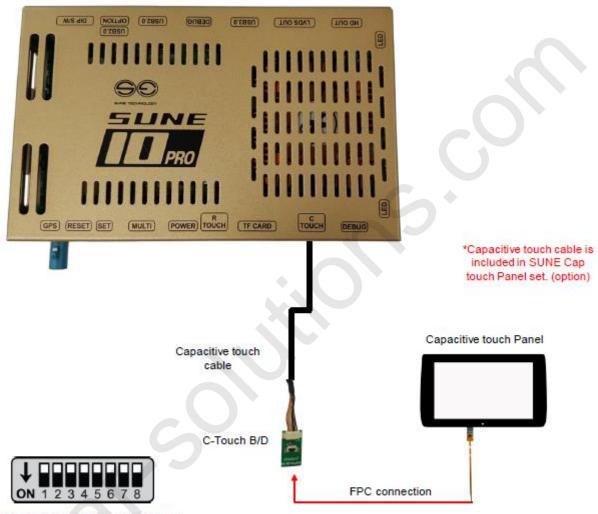


Installation





Capacitive touch installation



Dip Switch No.4 should be Up.

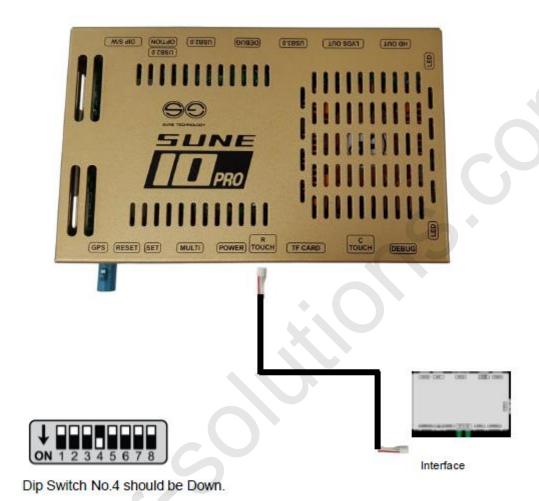


PIN No. 1: VCC3V3_SYS
PIN No. 2: CAP Touch Reset
PIN No. 3: Cap Touch SCL
PIN No. 4: Cap touch IRQ
PIN No. 5: Cap Touch SDA

PIN No. 6: GND PIN No. 7: NC



Resistive touch installation





PIN No. 1:X+

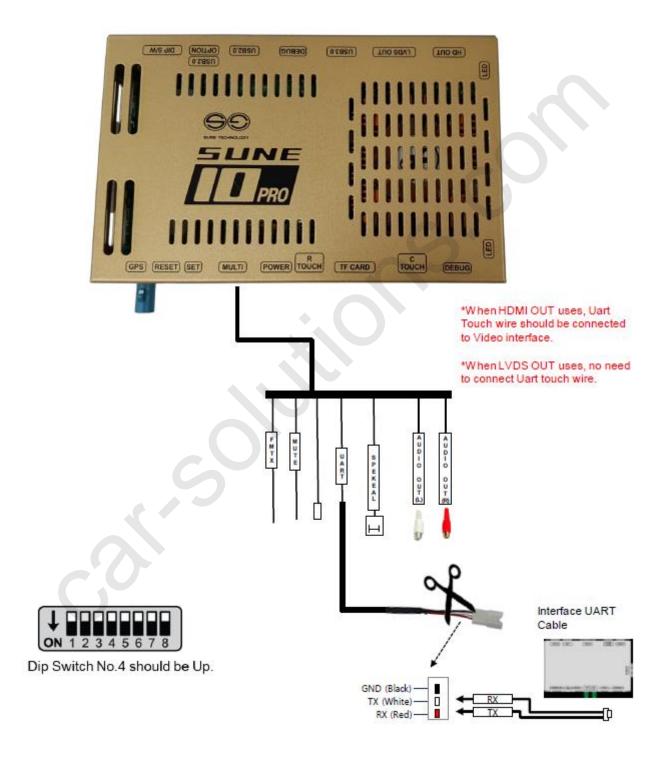
PIN No. 2: Y+ PIN No. 3: X-

PIN No. 4: Y-

PIN MAP

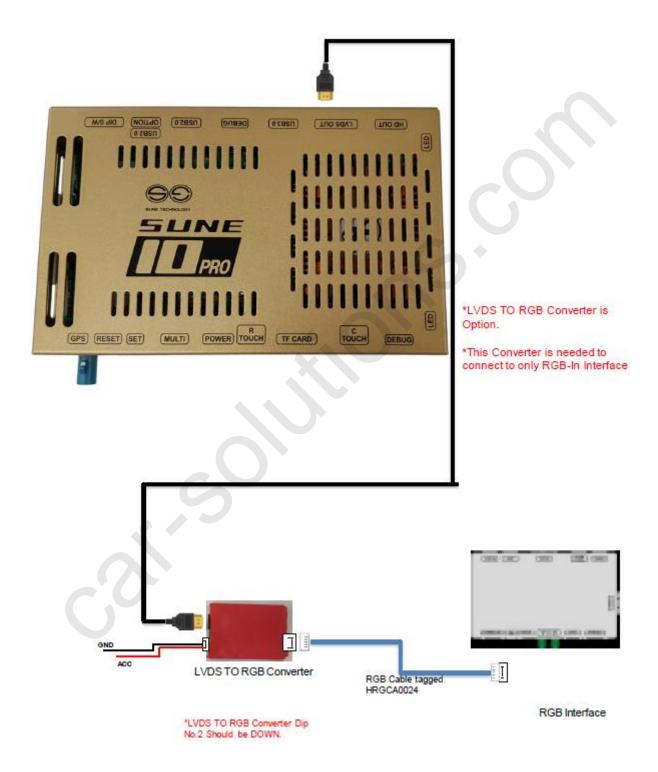


UART touch installation





LVDS to RGB Converter installation





User Guide

Main Page

When SUNE10PRO is turned on, the main page is displayed as below



1 Status bar

Dragging down the status bar to view the information in details

2 Main icons

SUNE10PRO provides four main icons on the first page.

GPS and Multimedia icons operate as shortcuts to run the certain apps. (Users can set up the shortcut apps.)

3 Apps

Display the list of Android application

4 Settings

Change the settings

(5) Menu Bar: When dragging up the bottom, the menu bar comes.

Display and delete the apps from the recent operating apps list

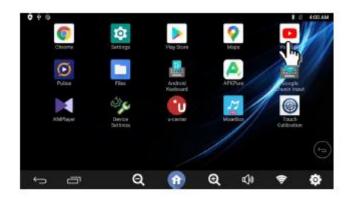
Go back to main page

: Go back to the previous page

Go to WiFi setting



Change Shortcut icons



 Click the app with long press to make the shortcut on the main page.

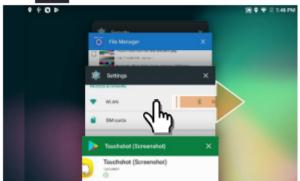


Select the place to put in between GPS and MULTIMEDIA.



Bottom menu bar

- Menu bar helps to use SUNE10PRO 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. (1) : Turn on/off or Volume up/down SUNE10 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



- Menu bar helps to use SUNE10 PRO in a easier way.
- 5. Q (2): On maps, these are the functions for zoom in and zoom out
- 6. Significant Going to WiFi setting directly
- 7. Going to Android setting directly



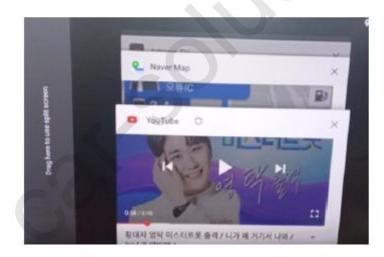


How to use PIP option

- Please tap this multi-key icon
- 2. Please select and hold the app which you want to make PIP.



3. On the left side, the message shows that 'Drag here to use split screen'.





4. Please drag the app to he left side.



5. Then PIP screen will be operated without any problems.





Settings

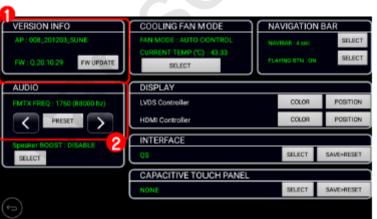




*Please tap Device Setting on App list.



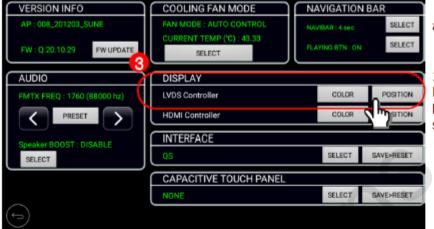
*The Passwords are 0603.



- *Can check AP and FW versions.
- *Can do FW Update with plugging USB memory stick
- *AP Update is automatically activated by plugging USB memory stick.
- *being able to set up FMTX



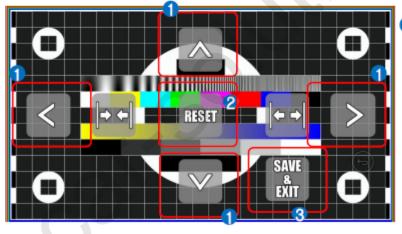




* Video Setting : adjustable LVDS Picture

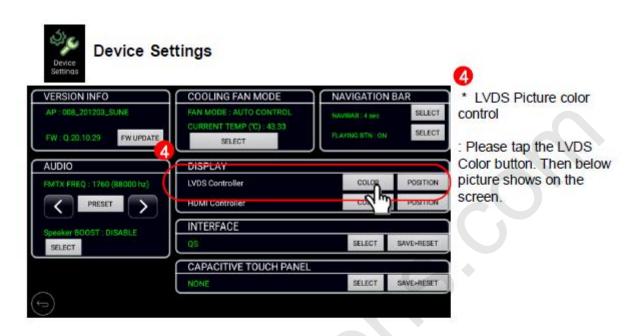
8

: Please tap the LVDS Position button. Then below picture shows on the screen.



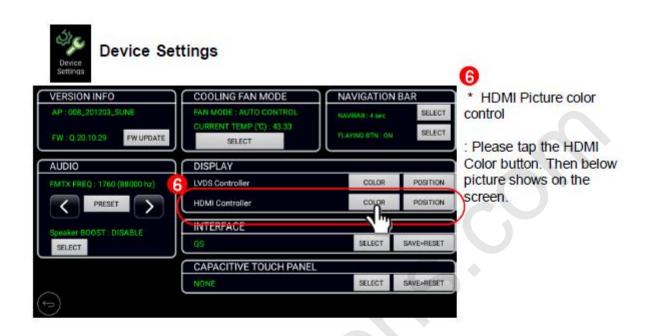
- Move the position along with the arrows.
- Reset
- Save & Exit: Saving the changed setting values and going out of LVDS setting page.





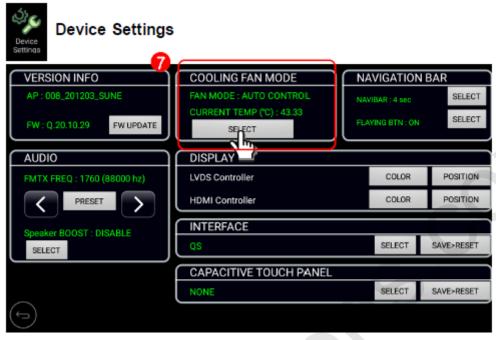












*Cooling Fan Mode

: Please tap Mode select.

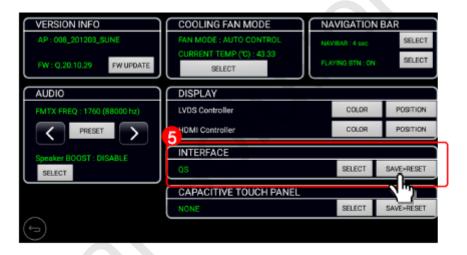




Device Settings



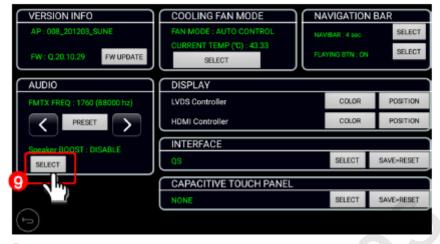
8*Interface Setting: Select Interface Touch Protocol .



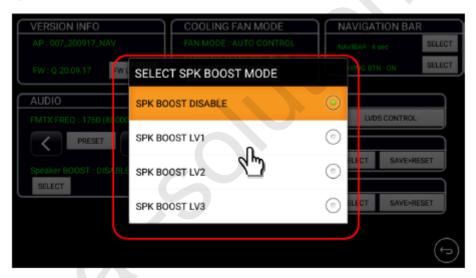
After selection, please tap Save →RESET button, in order to save the chosen Interface protocol.



Device Settings



9*SPK BOOST: When Tap it, there are two options.



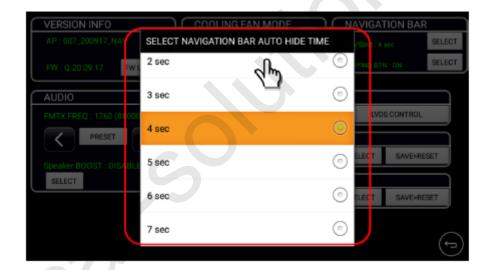
When SPK BOOST Enable is selected, Speaker volume Gain will be increased.







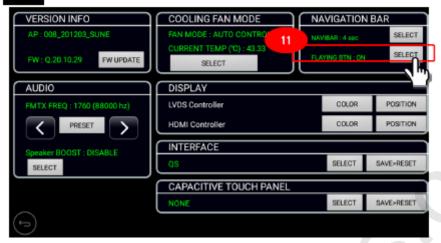
*NAVIGATION BAR: Able to select the time to hide the bottom menu bar





Device Settings

Device Settings



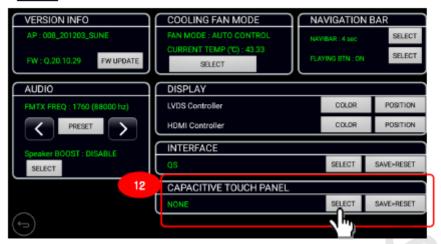
*: Able to select the time to hide Flying Back button



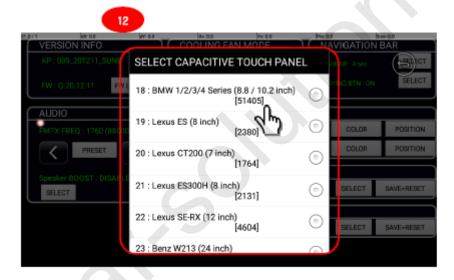


Device Settings

Device Settings



*: To select Cap touch model on the list



After selection, please tap Save →RESET button, in order to save it.

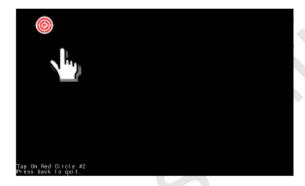


Touch Calibration





Touch Calibration.



•Press each target position by a finger.



Completed.



Change UI







For now 3 model UI, will add more infuture



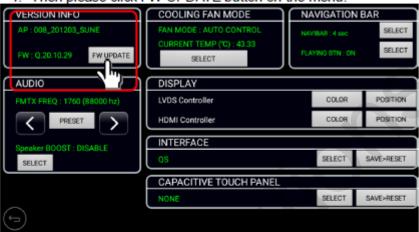




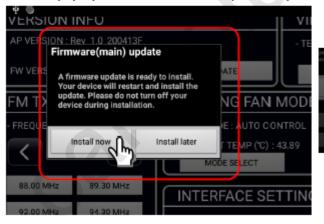
How to upgrade firmware

- 1. Please copy and paste FW.QVL on USB memory stick root.
- Please connect the USB memory stick to SUNE10 PRO USB port. (Please don't connect it to OPTION port.)
- 3. Please go to Device settings.

Then please click FW UPDATE button on the menu.



The pop up screen comes. Then please tap 'install now'.





The progress bar comes. After finishing the upgrade, SUNE10 PRO will be rebooted by itself.