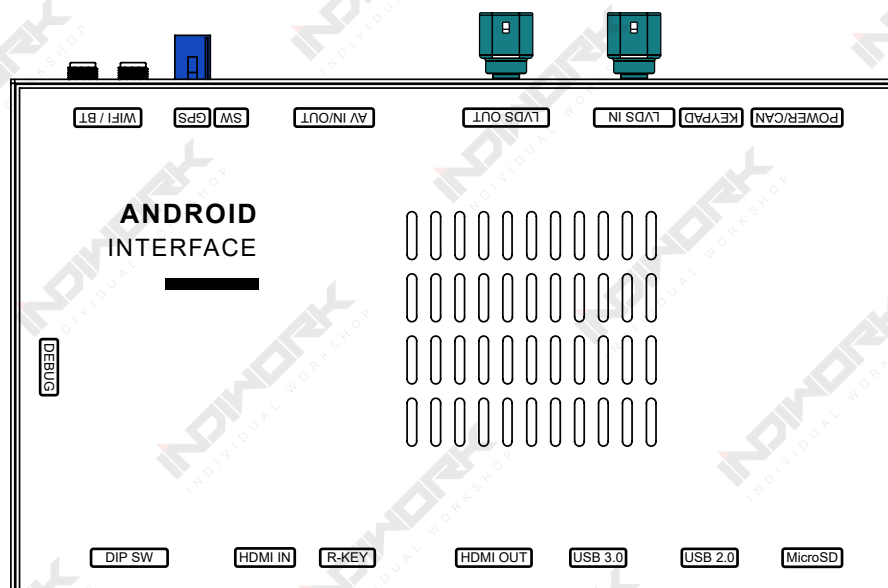


Instruction Manual

All in One Type Android System

A10-Velar



Model Name	A10-Velar
Latest Firmware Date	2019 - 06 - 05
Manual Version	Rev. 1.0
Language	English

Main Specifications

OS	Android 8.1 (Oreo)
CPU	Six-Core 64bit Server Class Cortex-A72 Core @2.0Ghz, Mali-T860 Quad-Core GPU (Total Ten-Core)
VPN	H.264/H.265/VP9 up to 4Kx2K@60fps (4K Video)
Memory	2GB DDR3
USB	USB2.0 High Speed Port
USB 3.0	USB3.0 5.0Gbps Port
Wireless	2.4GHz/5GHz Dual-Band WiFi, Support 802.11a/b/g/n/ac, Bluetooth 4.1
GPS	Ublox8 GPS (GLONASS/BEIDOU/GALILEO/QZSS/SBAS)
HDMI IN	DC 12V ~ 24V
HDMI OUT	HDMI 2.0, Support maximum 4K@60Hz display
Speaker	2W
I / O	Stereo Audio Out, Mic (voice recognition), CVBS Out(On LVDS Out)
Input Power	DC 8V ~ 24V
Temperature	-20°C ~ 80°C
Operationg	-15°C ~ 70°C

Product Warranty

Thank you for purchasing our product.

We offer the warranty for 1 year from the date of purchase.

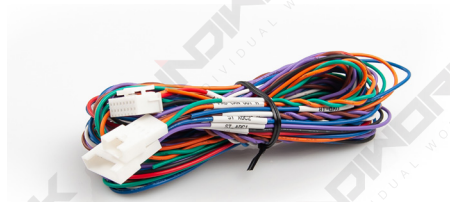
This product has been tested and have passed under our strict and qualified control. If the failure occurred due to the carelessness of workmanship within one year after the purchase, we are responsible to repair free of charge.

• **Free service** : Manufacturing defects, When naturally occurring failures within the warranty period.

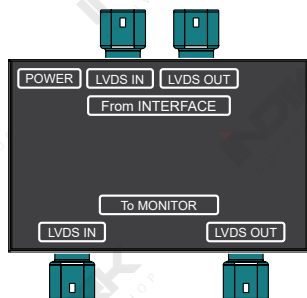
* When the warranty period has elapsed, Failure the caused by customer's mistake, Failure thecaused by natural disasters.

Warranty : One years from the original date of purchase.(12 months)

Components



Interface Power Cable



Interface Power Cable



LVDS Cable X3



AV IN / OUT Cable



External Speaker



KEYPAD



MicroPhone

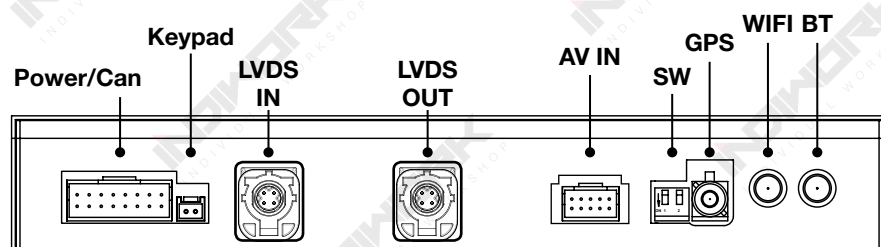


External GPS

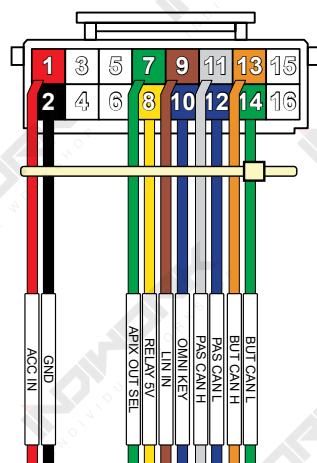


BT / WIFI Antenna

Body Connector specifications

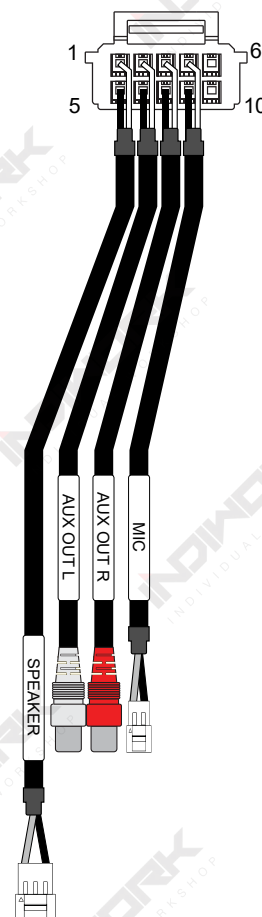


POWER/CAN CABLE



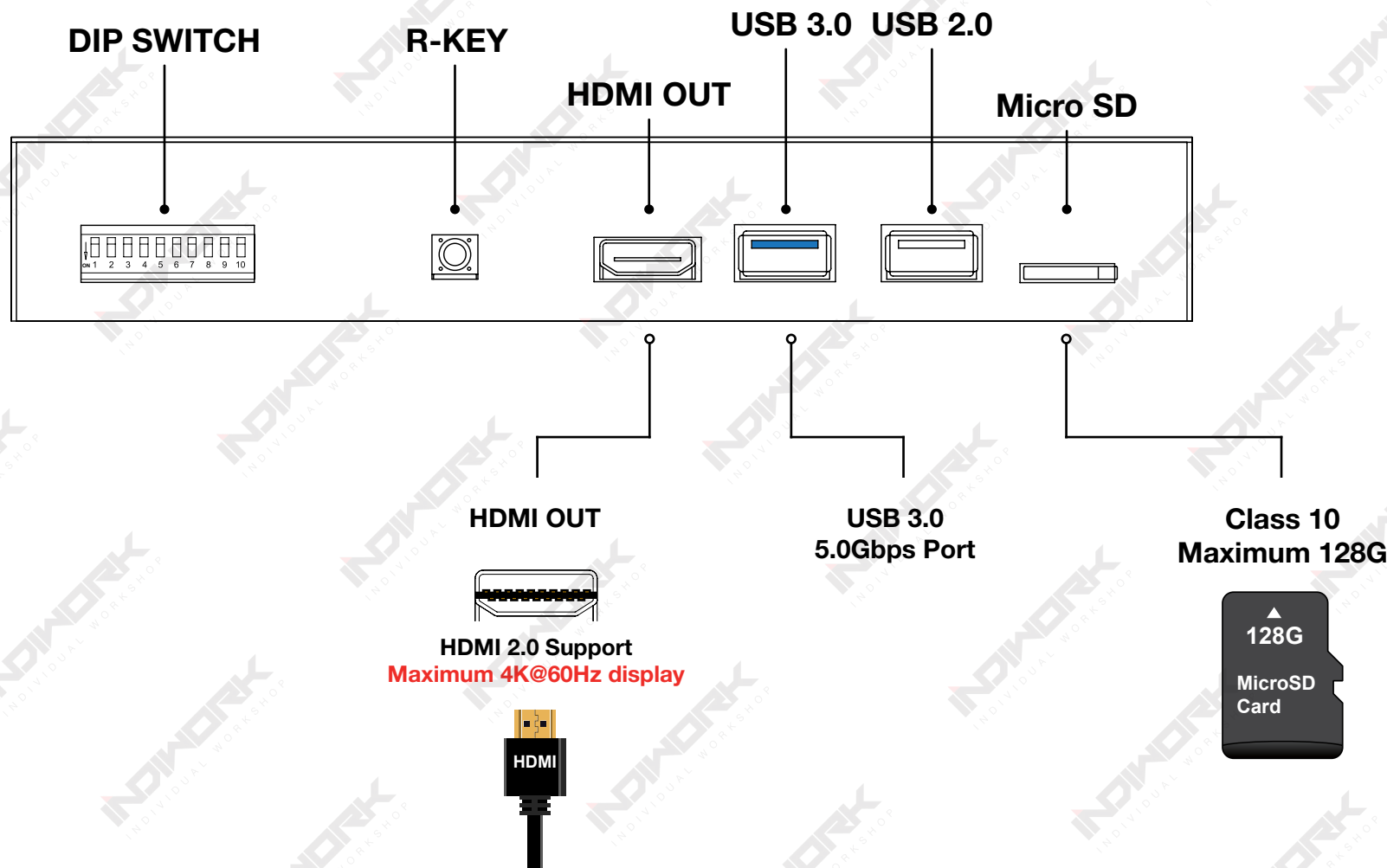
POWER / CAN CABLE			
1	ACC IN	9	LIN IN
2	GROUND	10	OMNI KEY
3		11	PAS CAN H
4		12	PAS CAN L
5		13	BUT CAN H
6		14	BUT CAN L
7	APIX OUT SEL	15	
8	RELAY 5V	16	

AV Cable



AV CABLE			
1	EXTERNAL_SPEAKER +	12	GND (EXTERNAL_SPEAKER)
2	AUX AUDIO L	13	GND (AUX AUDIO L)
3	AUX AUDIO R	14	GND (AUX AUDIO R)
4	MIC +	15	GND (MIC)
5		16	

Body Connector specifications

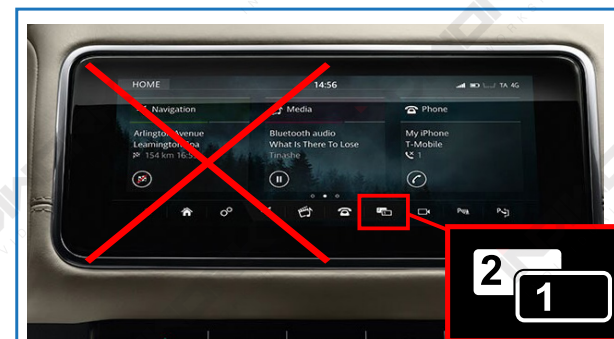


Car Compatibility Chart

Car Models	Production Year	Specific Models
Range Rover Velar	2019~	Duo Touch Pro



Duo Touch Pro



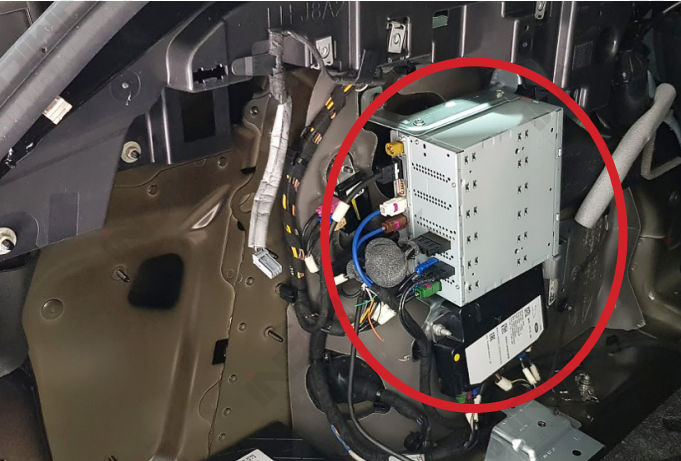
Not Support
Duo Touch Pro Split view

Full Installation Diagram

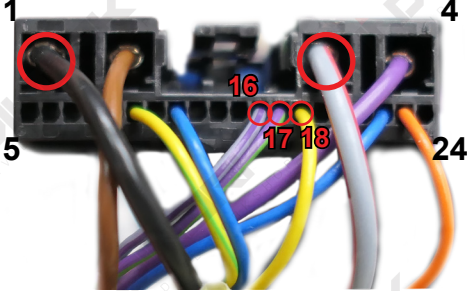
Reset Switch


Operation	Operation
Press Shot time 1 seconds	Start the Touch Calibration
Press Long time 5 seconds	Restart the Device

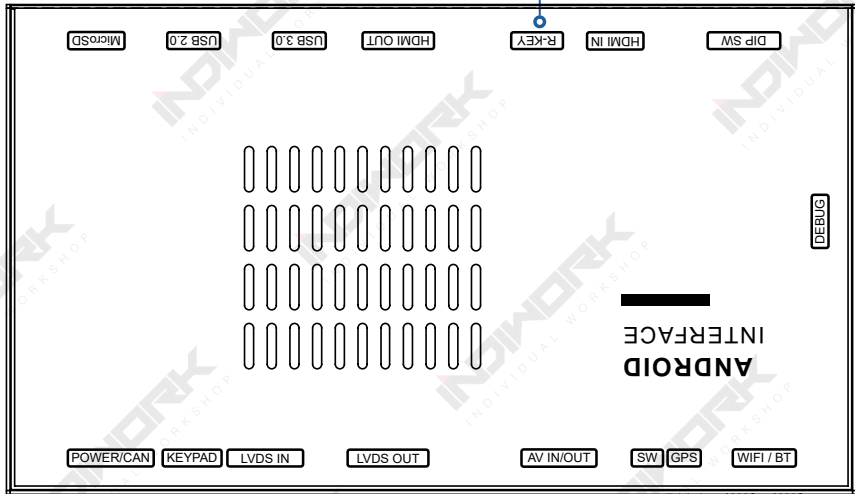
Head Unit (Velar)



Head Unit Main Connector



- (Yellow) LIN IN Pin # 18 =  
 - PAS Can High Pin # 17 =  
 - PAS Can Low Pin # 16 =  
 - (Gray,Red) B+ Pin # 3 =  
 - (Black) Ground Pin # 1 =  
-  Not Used

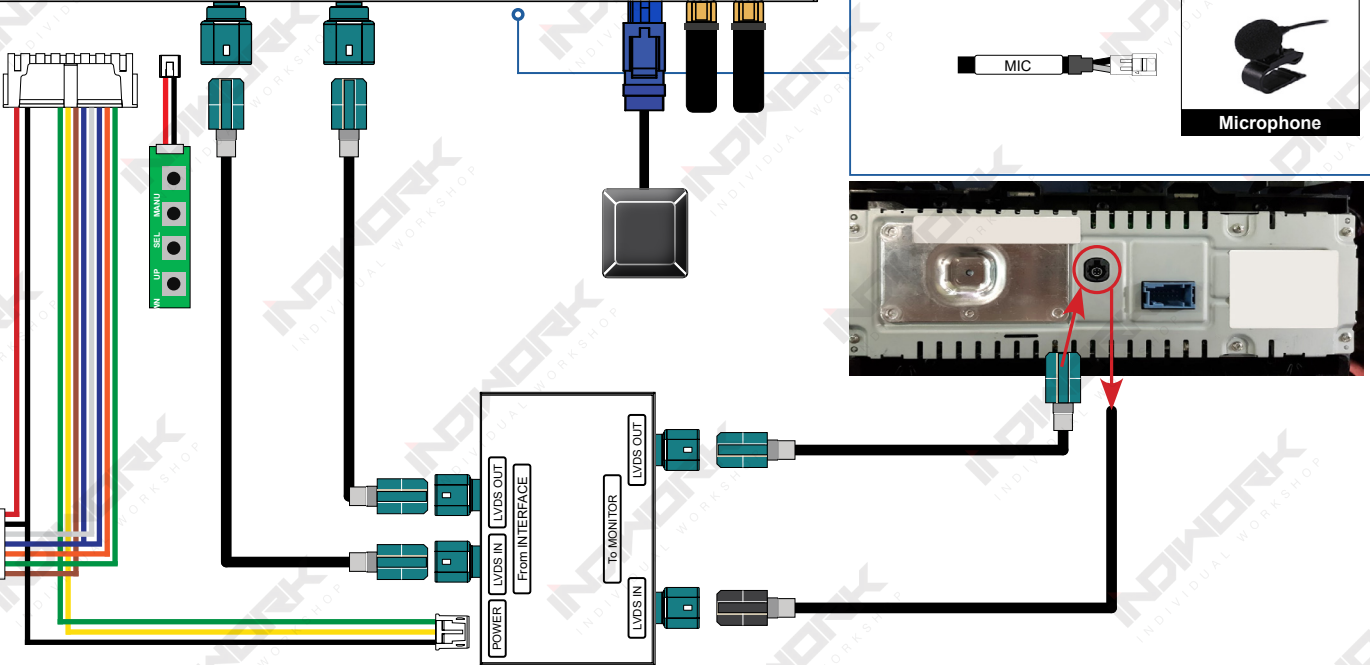
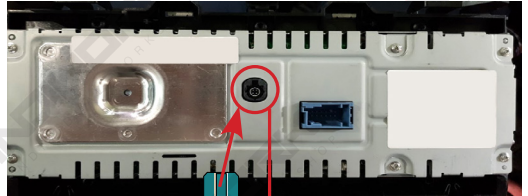


AV IN/OUT Port









DIP Switch Settings



PIN	ON (▼)	OFF(▲)
1	Not Used Default (OFF)	
2	Not Used Default (OFF)	
3	Not Used Default (OFF)	
4	Not Used Default (OFF)	
5	Not Used Default (OFF)	
6	Not Used Default (OFF)	
7	Not Used Default (OFF)	
8		
9		
10		

No.7	No.8	No.9	No.10	Car Model
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	2019~ Rang Rover Velar

DIP Switch Settings



PIN	ON (▼)	OFF(▲)
1	Not Used Default (OFF)	
2	External GPS Antenna	GPS FAKRA

Activation by original buttons



Range Rover Velar Steering Wheel

Button	Function	Operation	Remarks
1 Map Manu	Changing Modes	Press the button 2 seconds	Order : OEM → Android
		Press the button short time	Return to the OEM mode in any modes.

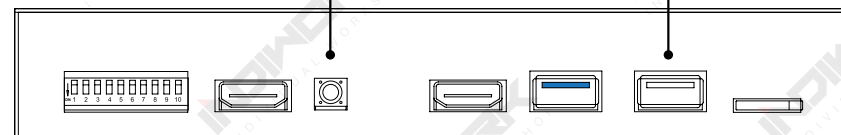
Android Firmware



Only USB2.0 port supports for Android Firmware

Recovery Key

USB 2.0

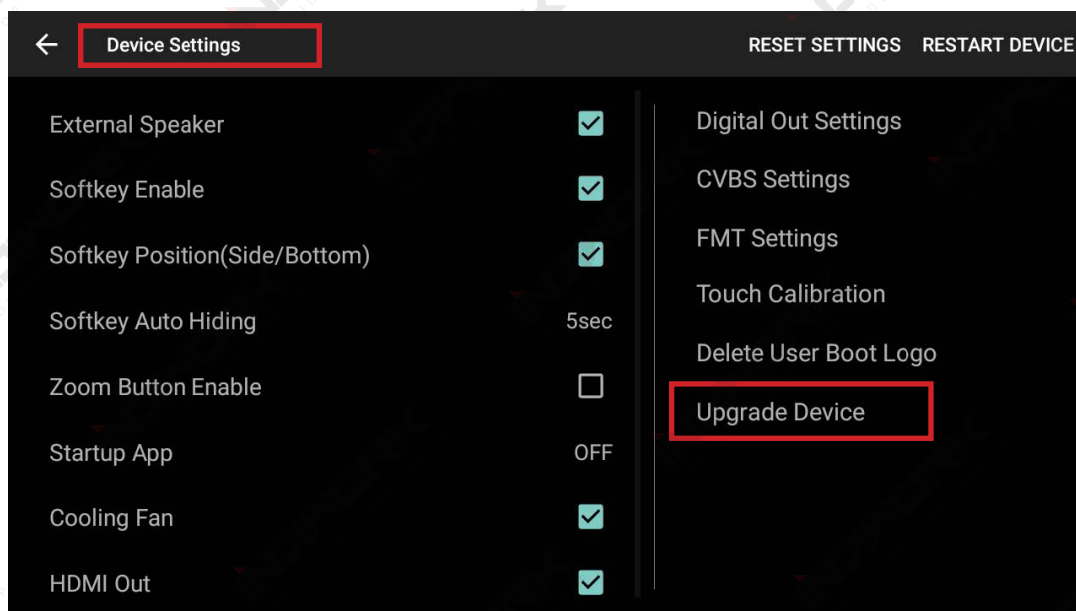
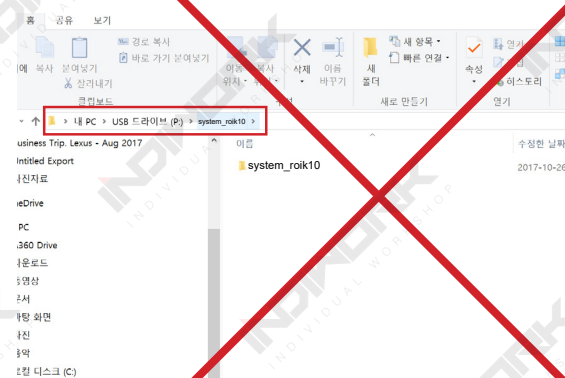
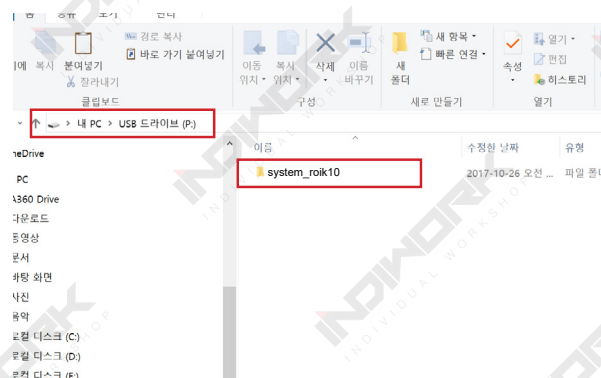


1. Download firmware in "indiwork" website

<http://indiwork.co.kr/a-link-firmware-update-international/>

2. Copy the "system_roik10" folder to the sd card root directory

*** USB format type = FAT32**



A-LINK DEVICE SETTING

- Copy the 'system_roik10' folder to the root of the SD card.

THERE ARE TWO WAYS FOR START THE FIRMWARE.

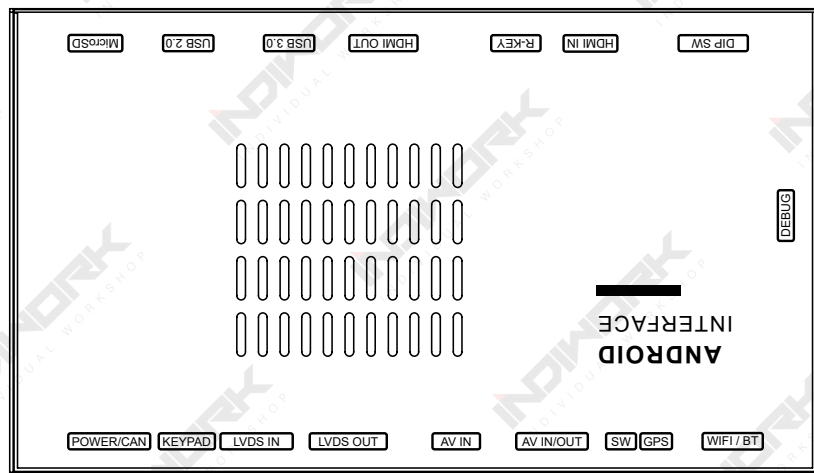
- Select the 'setting > system update', and press the OK button.
It will start upgrade

- Push hold "Recovery Key" and turn on (re-connect power cable),
It will start upgrade

*** Update Time will 4~5 min, and first booting time will be 4~5 min.**

*** Should be factory reset. when it done firmware**

Settings (How To Use KEYPAD)

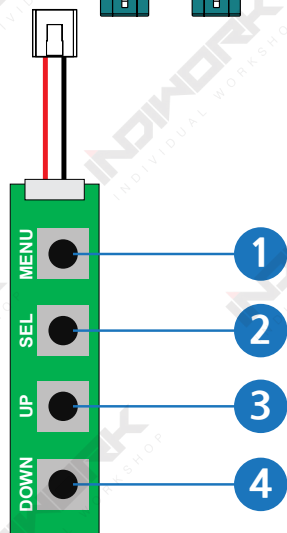


KEYPAD - Function #1

Button	Function	Operation	Remarks
1 MENU	Changing Modes	Press the button short time	Order : Android → HDMI → DVB-T → OEM
2 SEL	Setting Menu ※ Only in a Android, HDMI,DVB-T,DVD screen	Press the button short time	

KEYPAD - Function #2

Button	Function	Operation
1 MENU	Back to previous menu When press the button short.	Press the button short time
2 SEL	Select the setting menu and setting values.	Press the button short time
3 UP 4 DOWN	Move the menu-pointer and adjust the setting values	Press the button short time
4 DOWN	Quick information Check the Firmware date	Press the button 3Sec Long time



Settings

A10-Velar		
HDMI 1	BRIGHT	128
HDMI 2	CONTRAST RED	128
HDMI 3	CONTRAST GREEN	128
NAVIGATION	CONTRAST BLUE	128
REAR VIEW	GPS BOX MODEL	DEFAULT
AV1 (FRONT VIEW)		
AV2 (DTV)		
NONE		
CUSTOM		
EXIT		
DIP SWITCH INFO :		FIRMWARE DATE :
		MAIN : 2018-03-02
		SUB : 2018-03-02
		TW23 : 2018-03-02

NAVIGATION

- BRIGHT and CONTRAST

Adjust the values of brightness and contrast

- GPS BOX MODEL

< Using for UART in HDMI Navigation model must be setting >

- A-LINK , M2C-100 IW
- NV17
- NV100

www.**INDIWORK**.co.kr

Copyright © indiwork. All Rights Reserved.