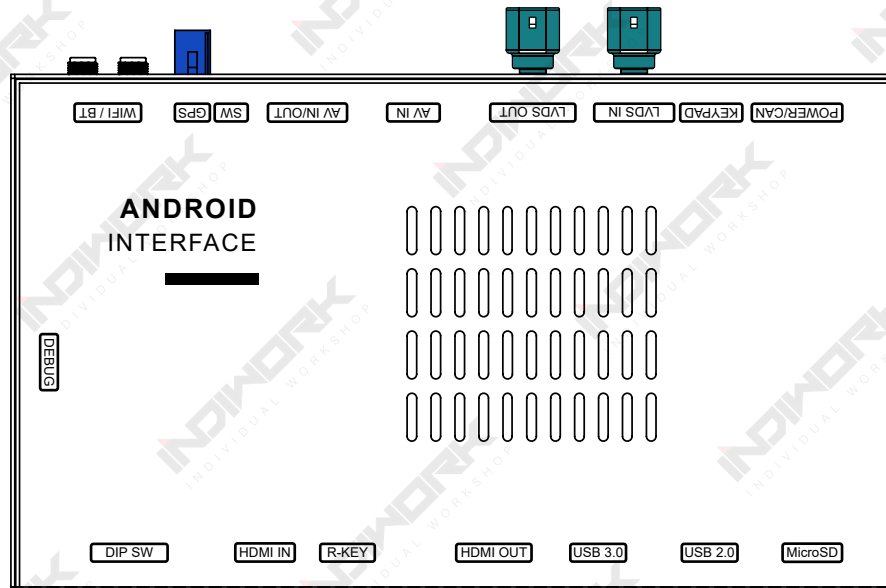


Instruction Manual

All in One Type Android System

A10-LX(LC200)



Model Name	A-LINK2-LX(LC200)
Latest Firmware Date	2018 - 11 - 28
Manual Version	Rev. 1.1
Language	English

Main Specifications

OS	Android 7.1.2(Nougat)
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.

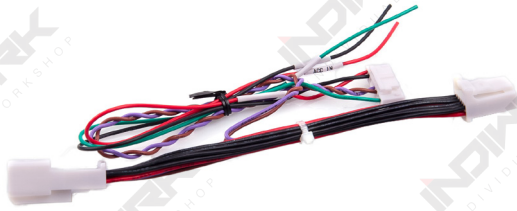
• **Free service** : Manufacturing defects, When naturally occurring failures within the warranty period.

* 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

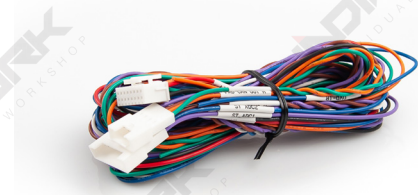
**Package
MAIN Harness
Land Cruiser**



OEM Radio Unit Harness #1



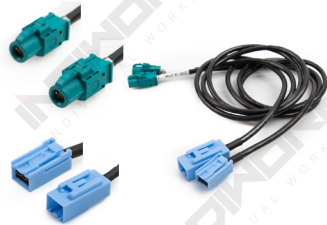
ECU Can Cable



Interface Power Cable



AV IN / OUT Cable



OLD Type GVIF



AV Cable



Resistive Touch Cable



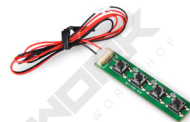
IR Sensor



Capacitive Touch Cable



External GPS



KEYPAD



MicroPhone



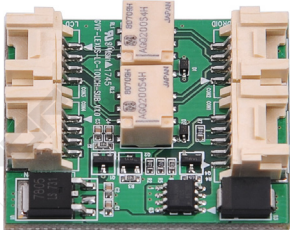
BT / WIFI Antenna



External Speaker

Important !! Touch IN / OUT Main Package

Land Curiser200 Touch IN / OUT Package



Main Board



Main Cable



4 PIN
Resistive Touch Cable



Touch - OUT (4PIN)

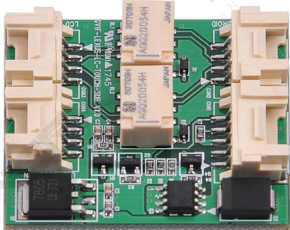


Touch - IN (4PIN)



FPC Cable (4PIN)

LX570 Touch IN / OUT Package



Main Board



Main Cable



4 PIN
Resistive Touch Cable



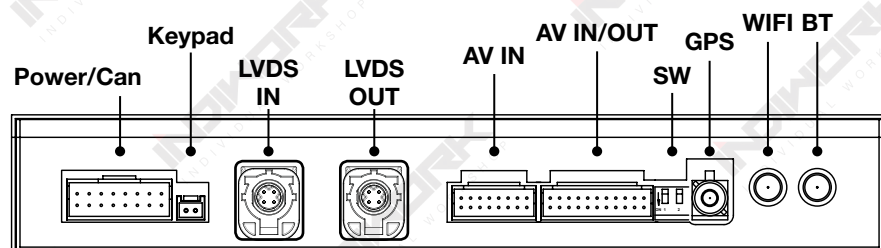
Touch - OUT (8PIN)



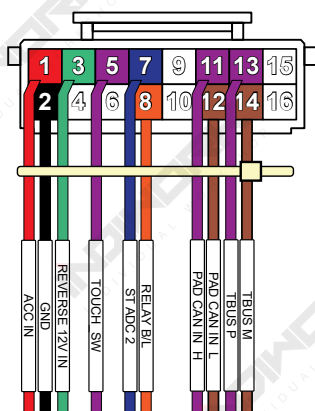
Touch - IN (8PIN)



FPC Cable (8PIN)



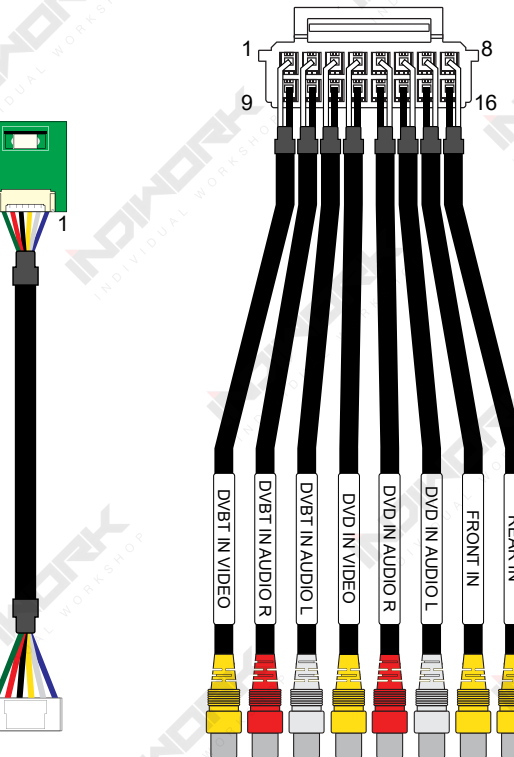
POWER/CAN CABLE (Lend Cruiser)



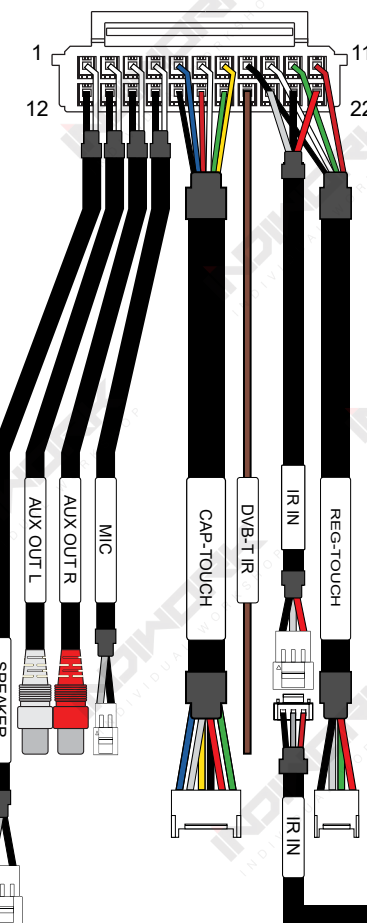
POWER / CAN CABLE <Lexus>		
1	ACC IN	9
2	GROUND	10
3	REVERSE 12V IN	11
4		12
5	TOUCH_SW	13
6		14
7	ST_ADC_2	15
8	RELAY B/L	16

Capacitive Touch CABLE

Capacitive Touch Cable		
1	Blue	SCL
2	White	SDA
3	Yellow	INT
4	Black	GND
5	Red	VDD
6	Green	RST

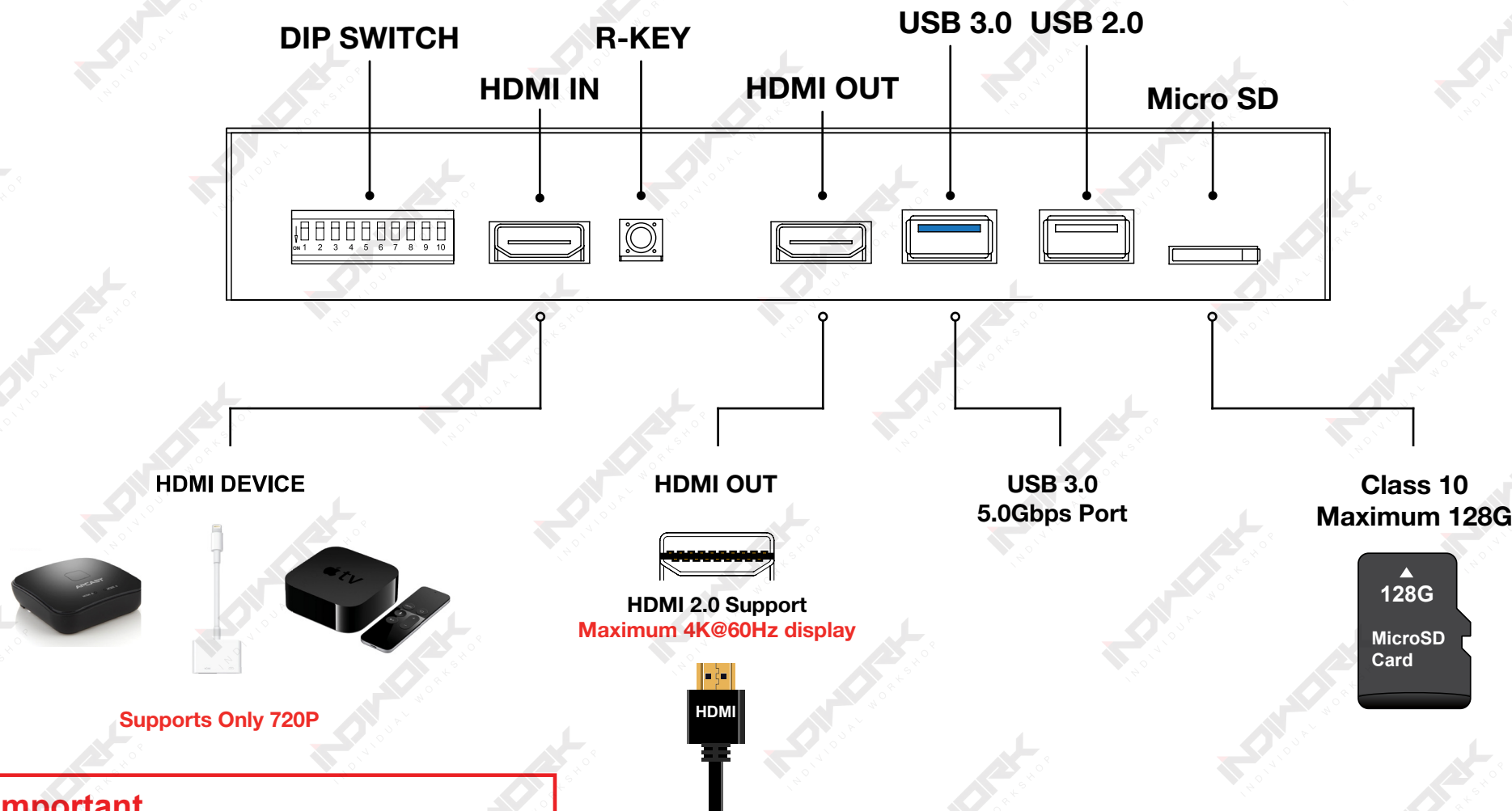


AV CABLE		
1	DVBT VIDEO INPUT	9
2	DVBT AUDIO R	10
3	DVBT AUDIO L	11
4	DVD VIDEO INPUT	12
5	DVD AUDIO R	13
6	DVD AUDIO L	14
7	FRONT-CAM VIDEO INPUT	15
8	RV-CAM VIDEO INPUT	16



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	CAPACITIVE_SCL	16	CAPACITIVE_GND
6	CAPACITIVE_SDA	17	CAPACITIVE_VDD
7	CAPACITIVE_INT	18	CAPACITIVE_RST
8	RESISTIVE TOUCH_X-	19	DVBT_IR
9	RESISTIVE TOUCH_Y-	20	IR_SIGNAL
10	RESISTIVE TOUCH_X+	21	IR_GND
11	RESISTIVE TOUCH_Y+	22	IR_POWER

Body Connector specifications



Important

Using for "HDMI" port should be select
"Input Device Model" in setting menu

If it does not selected input device model
The screen might be able to white, black screen(not vworking)

Car Compatibility Chart

Car Models	Production Year	Specific Models
RX (AL20)	2017 ~	8inch, 12 inch
Land Cruiser (J200)	2008	12 inch
LX570 (J200)	2016 ~	12 inch



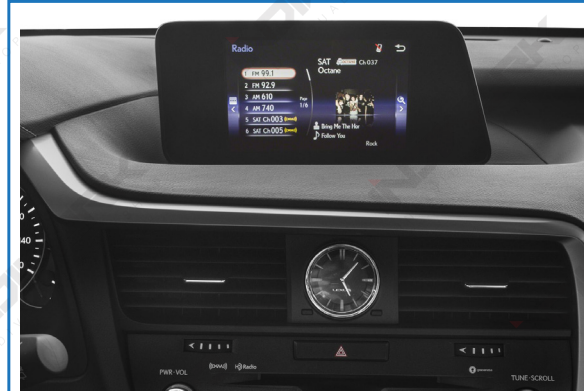
Land Curiser(J200)



Lexus LX570(J200)



Lexus RX(AL20) *12inch



Lexus RX(AL20) *8inch

Full Installation Diagram

AV IN Port

DTV and DVD Front Camera Rear Camera

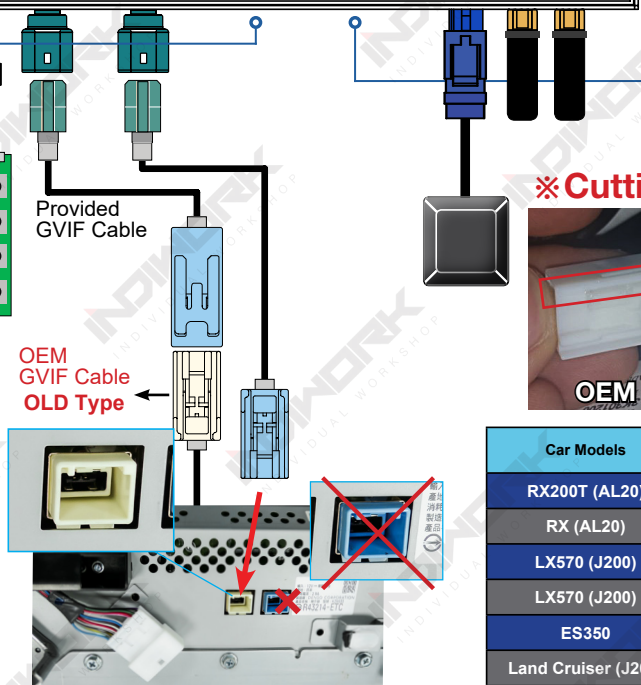
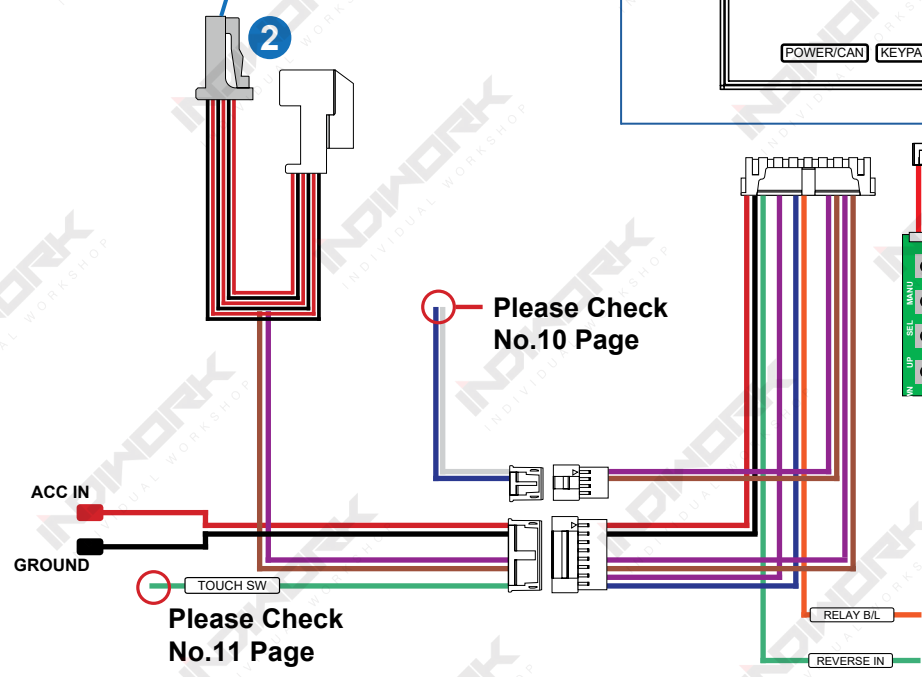
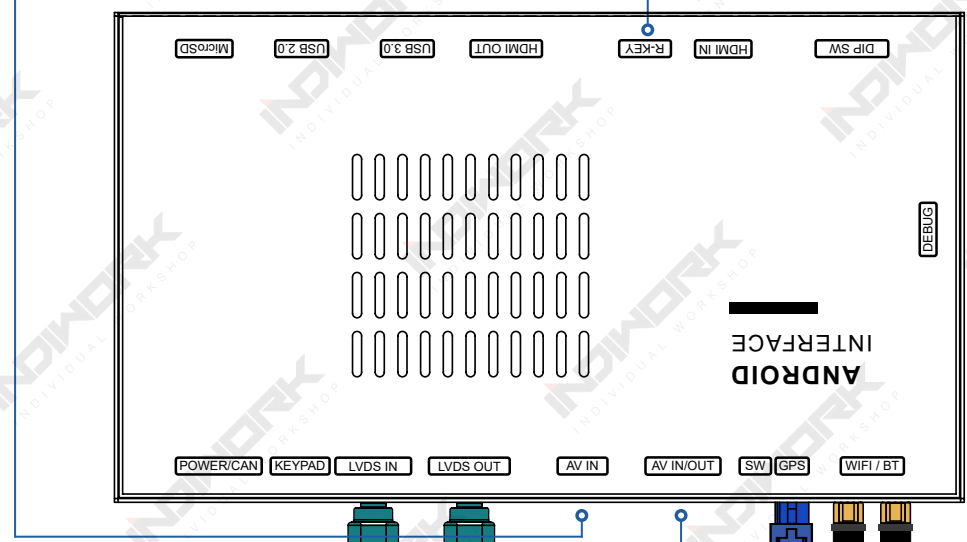
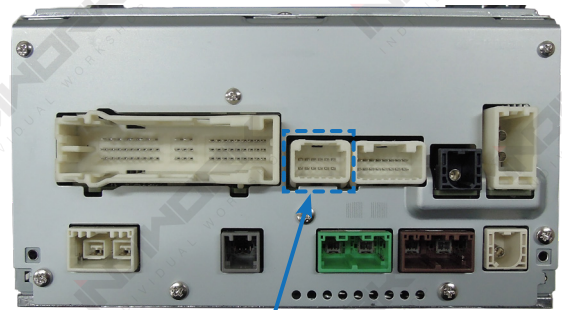
Reset Switch

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

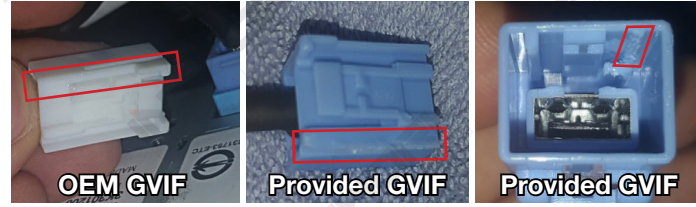
AV IN/OUT Port

AUX OUT R
AUX OUT L
SPEAKER
MIC
CAP-TOUCH

AUX
External Speake
Microphone
Capacitive Touch



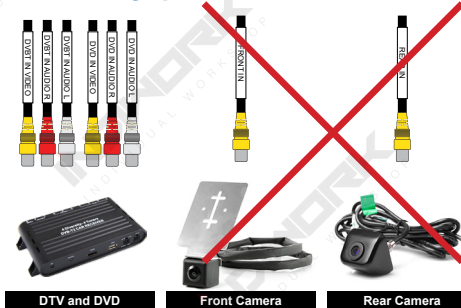
※Cutting Plastic GVIF Connector



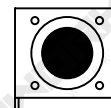
Car Models	Production Year	Specific Models	GVIF Color
RX200T (AL20)	2017 ~	8 inch	Blue
RX (AL20)	2017 ~	12 inch	White
LX570 (J200)	2013 ~ 2015	8 inch	Blue
LX570 (J200)	2016 ~2018	12 inch	White
ES350			Blue
Land Cruiser (J200)	2008	8 inch	White

Full Installation Diagram <RX200T (AL20) 8 inch>

AV IN Port

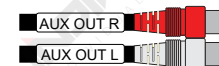


Reset Switch



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

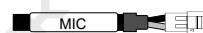
AV IN/OUT Port



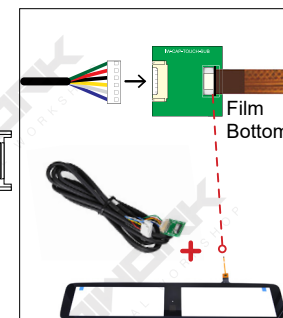
AUX



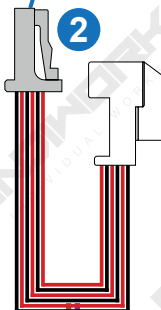
External Speake



Microphone



Capacitive Touch

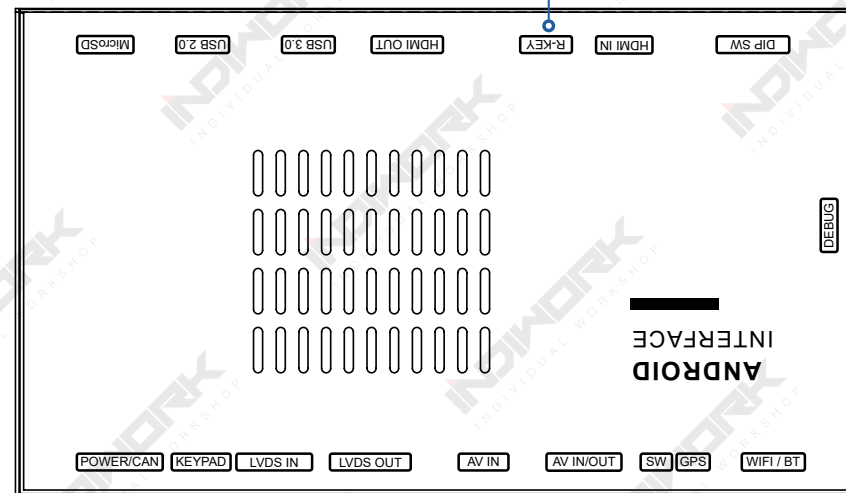


Please Check
No.10 Page

ACC IN
GROUND

TOUCH SW

RELAY B/L
REVERSE IN



Provided GVIF Cable

Provided GVIF Cable

OEM GVIF Cable
OLD Type

※Cutting Plastic GVIF Connector

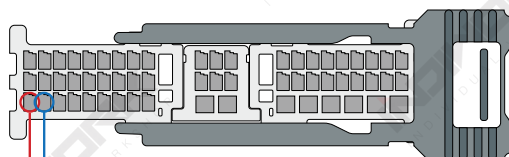
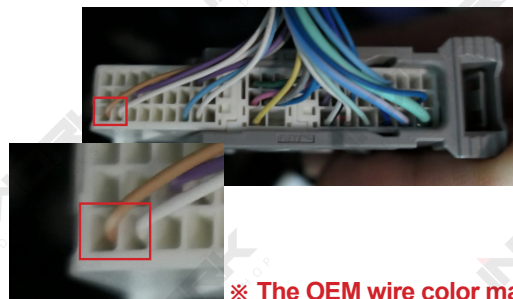
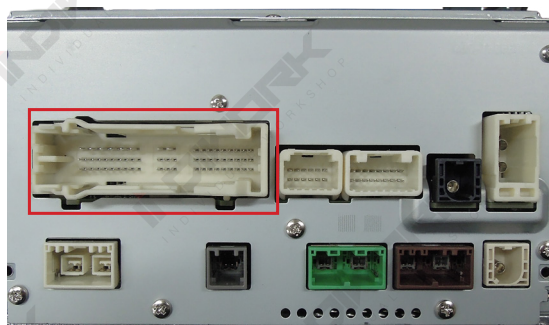


Car Models	Production Year	Specific Models	GVIF Color
RX200T (AL20)	2017 ~	8 inch	Blue
RX (AL20)	2017 ~	12 inch	White
LX570 (J200)	2013 ~ 2015	8 inch	Blue
LX570 (J200)	2016 ~ 2018	12 inch	White
ES350			Blue
Land Cruiser (J200)	2008	8 inch	White

RX200T (AL20) 8 inch

※ Depending on the type of vehicle,

The “CAN Signal”
position may different.



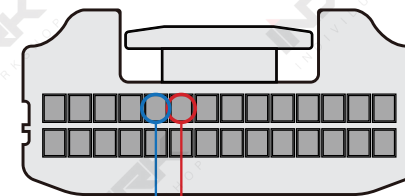
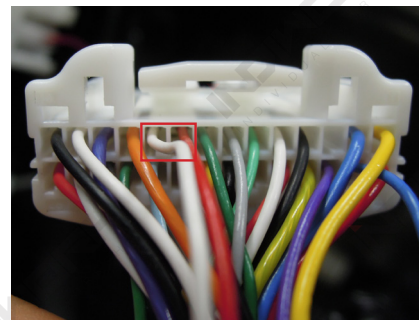
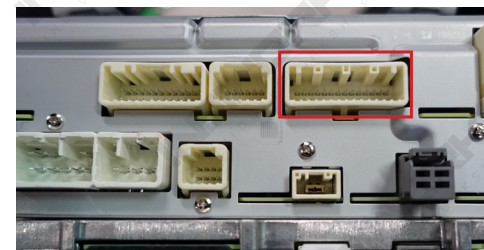
Can Low ■
Can High ■

※ The OEM wire color may different. Please. checking with PIN number

RX200T (AL20) 8 inch

※ Depending on the type of vehicle,

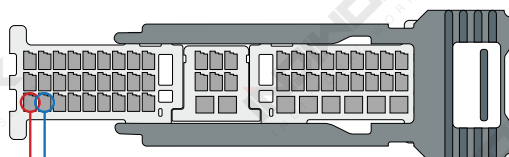
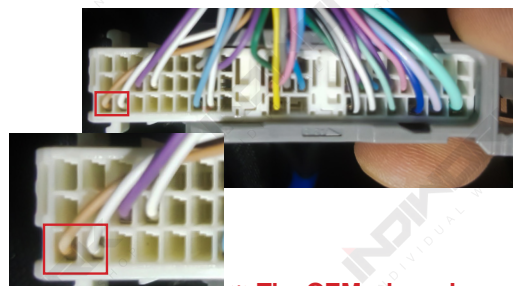
The “CAN Signal”
position may different.



Can High ■
Can Low ■

※ The OEM wire color may different. Please. checking with PIN number

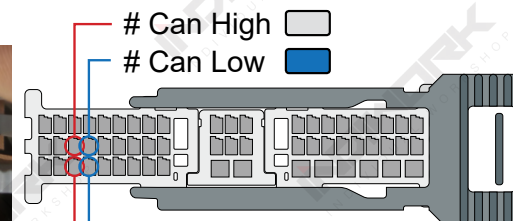
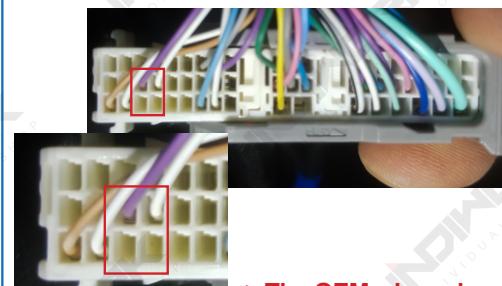
LX570 (2013 - 2015)



Can Low ■
Can High ■

※ The OEM wire color may different. Please. checking with PIN number

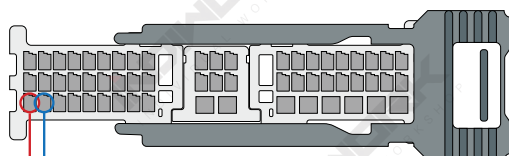
LX570 (2016 - 2018) , RX450h 12inch



Can Low ■
Can High ■

※ The OEM wire color may different. Please. checking with PIN number

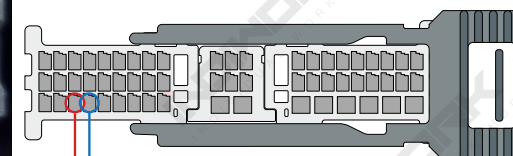
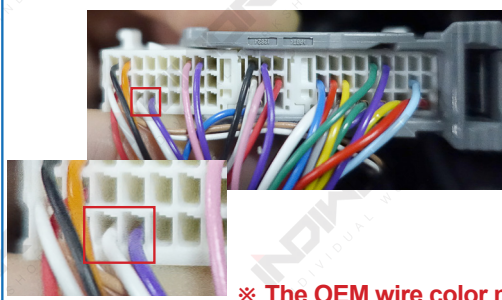
Land Cruiser 200



Can Low ■
Can High ■

※ The OEM wire color may different. Please. checking with PIN number

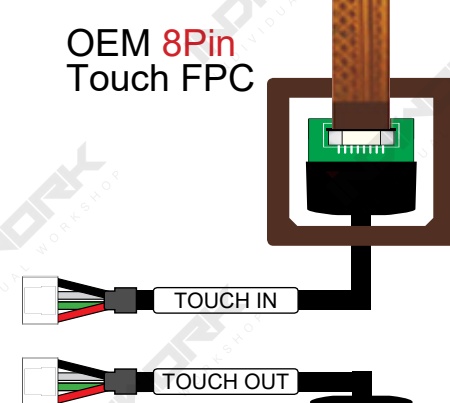
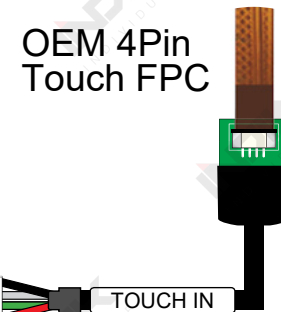
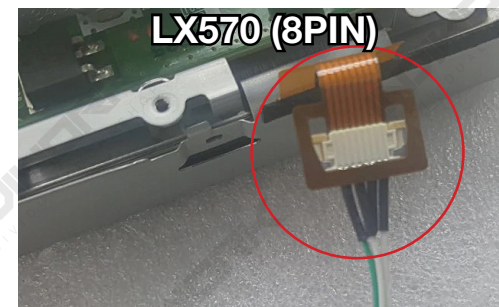
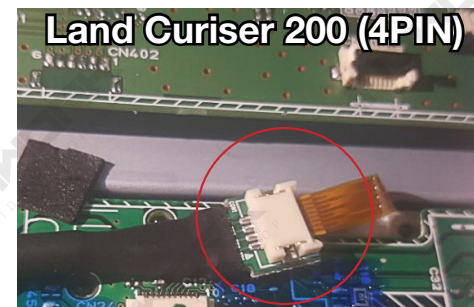
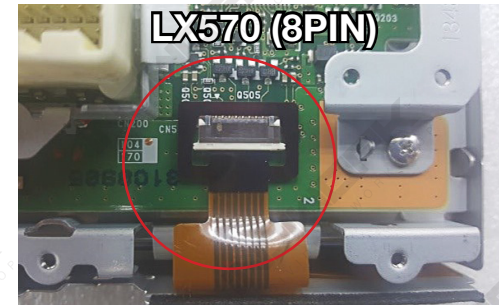
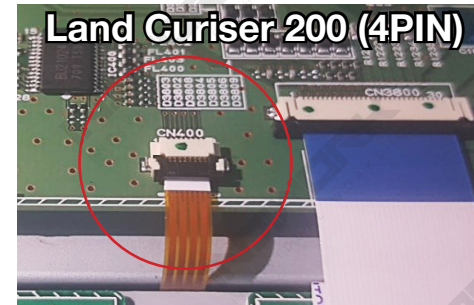
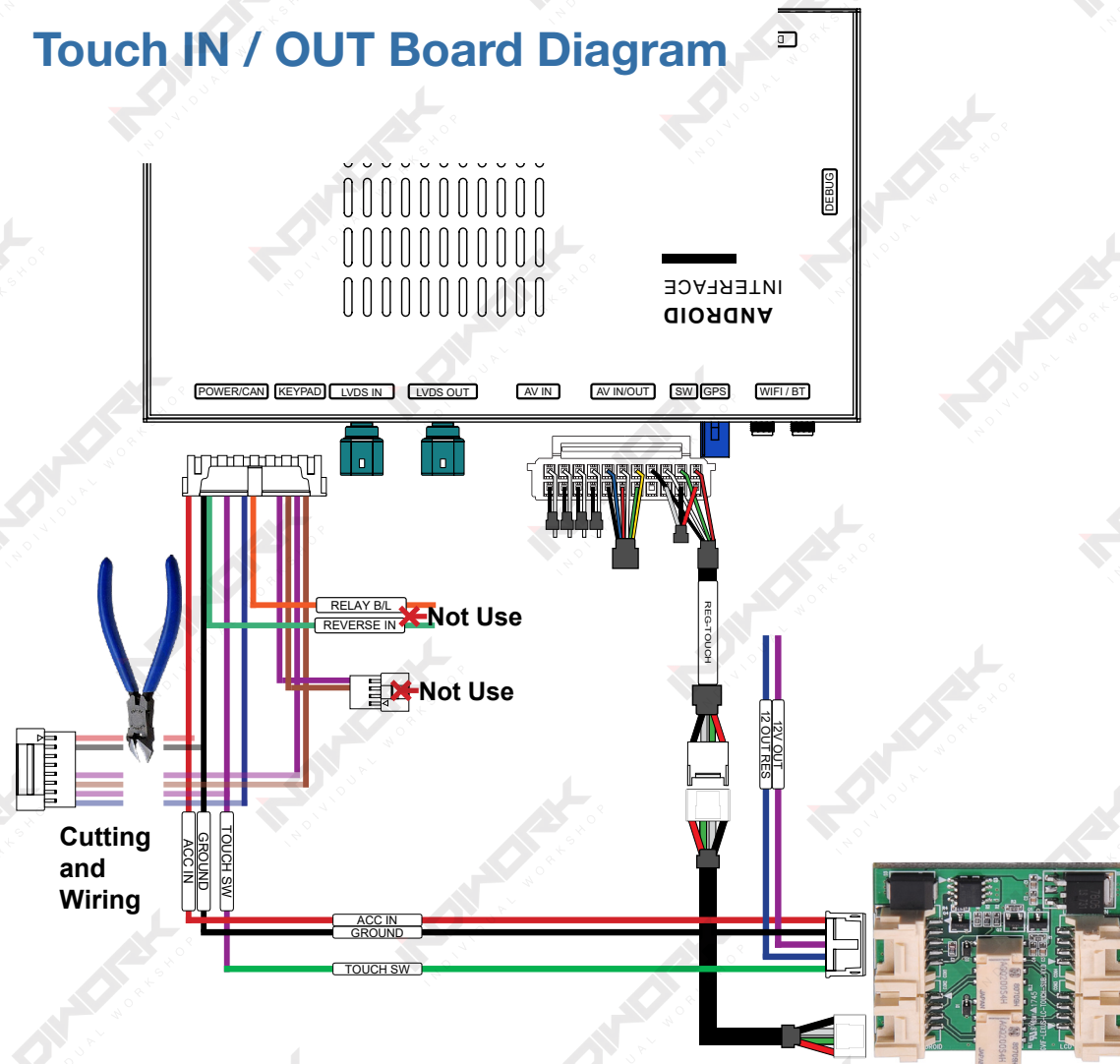
ES350



Can Low ■
Can High ■

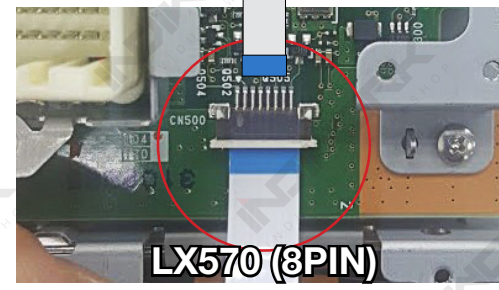
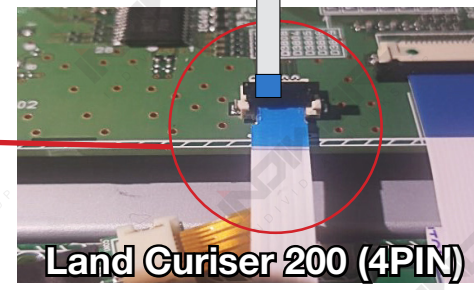
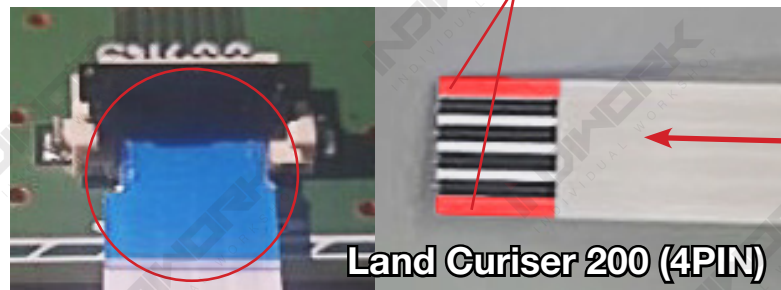
※ The OEM wire color may different. Please. checking with PIN number

Touch IN / OUT Board Diagram



Provided 4Pin Touch FPC

Provided 8Pin Touch FPC



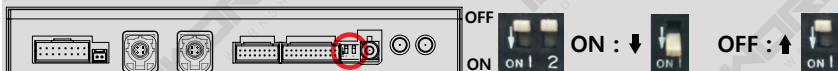
DIP Switch Settings



PIN	ON (▼)	OFF(▲)
1	Capacitive Touch	Resistive Touch, UART Touch
2	GOODIX Capacitive Touch (INDIWORK Products)	ILITEK Capacitive Touch
3	Selection of car mode	
4		
5		
6		
7		
8		
9		
10		

No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Car Model
ON (▼)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	RX *12 inch
ON (▼)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ON (▼)	OFF(▲)	OFF(▲)	RX200T *8 inch
ON (▼)	OFF(▲)	OFF(▲)	OFF(▲)	ON (▼)	OFF(▲)	OFF(▲)	OFF(▲)	LX570 (2013 - 2015)
ON (▼)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ON (▼)	OFF(▲)	LX570 (2016 - 2018)
ON (▼)	OFF(▲)	OFF(▲)	OFF(▲)	ON (▼)	OFF(▲)	ON (▼)	OFF(▲)	ES350
ON (▼)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ON (▼)	ON (▼)	OFF(▲)	Toyota Land Cruiser200

DIP Switch Settings



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

Activation by original buttons



Lexus LX570 (2016-2018)

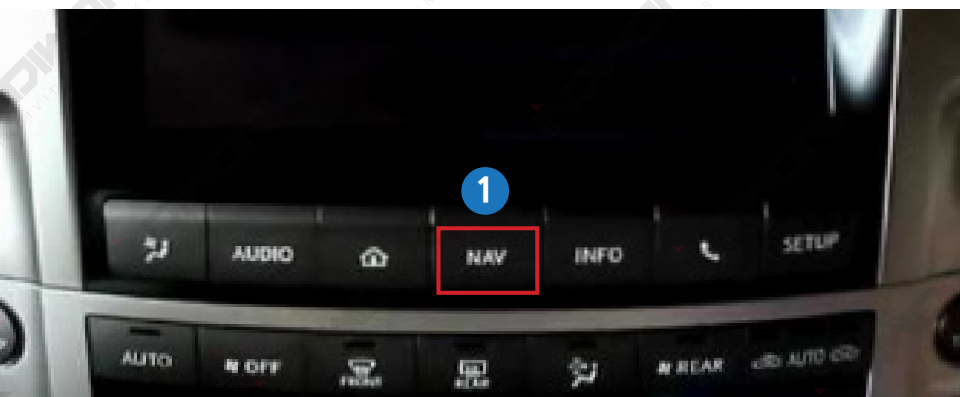


RX200T

Button	Function	Operation	Remarks
1 Map Manu	Changing Modes	Press the button 2 seconds	Order : OEM → Android → DVB-T
		Press the button short time	Return to the OEM mode in any modes.
5 Mouse Touch pad	Android Control	Controlled with Mouse module and Touch pad	You can control Android
6 Mouse Touch pad	Android Control	Controlled with Mouse module and Touch pad	You can control Android If turn the wheel button right quickly and the buzzer sounds. Activate drag function, press again to cancel
4 Back	Changing Modes (Front Cam)	Press the button short time	Order : "Android Back Button"
3 UP, Down	Seek	Press the button short time	Next track and Previous track

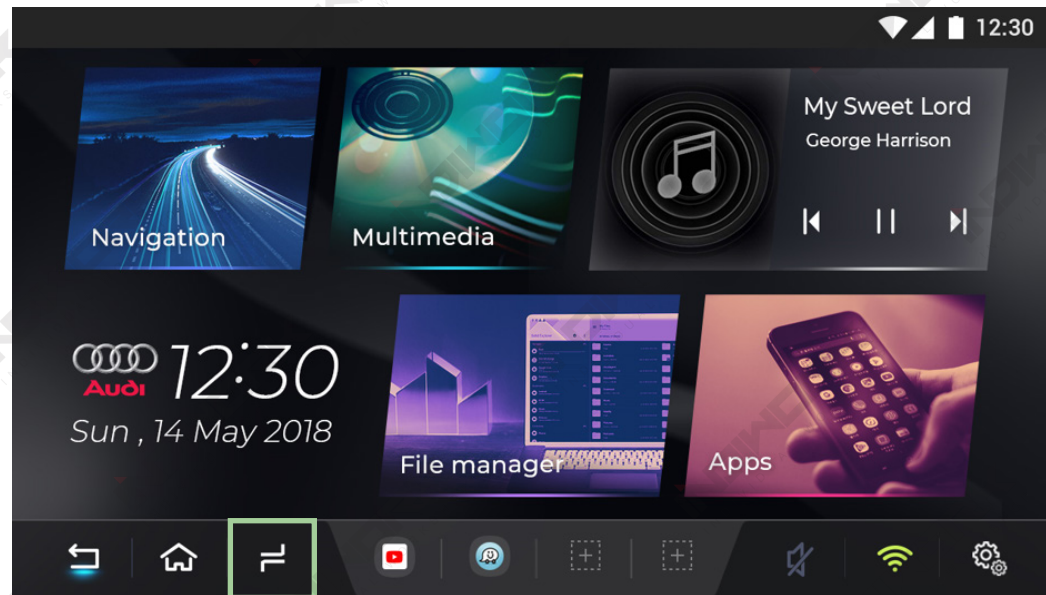


Lexus Land Cruiser 200



Lexus LX570 (2013 ~ 2015)

Android User Interface (Main Page)

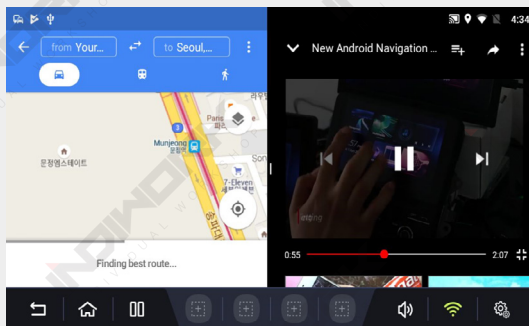


Digital Out Settings



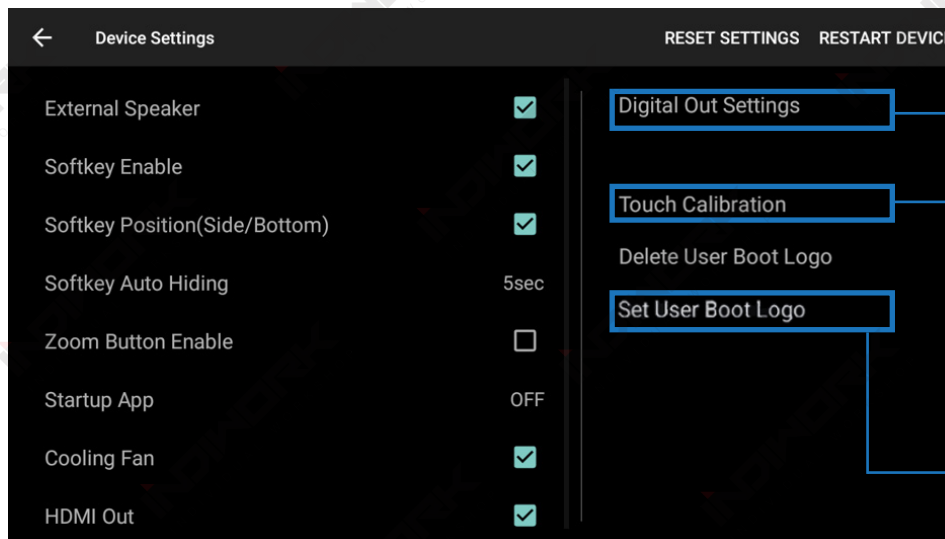
Adjust the screen size and position and color

"PIP" Function



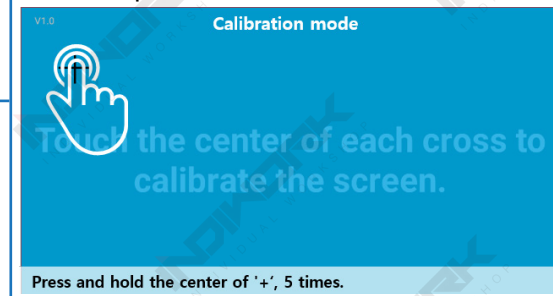
Press the Button 2sec

※ Some applications may not supports PIP function.



Calibration

Capacitive and Resistive Touch



Set User Boot Logo

- File Format : PNG, JPG, BMP
- Image Size : 1280px X 720px

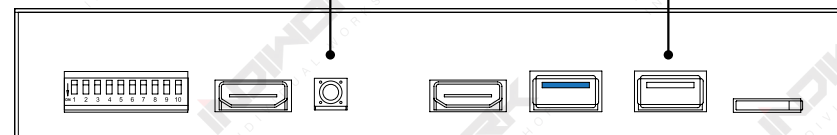
Android Firmware



Only USB2.0 port supports for Android Firmware

Recovery Key

USB 2.0

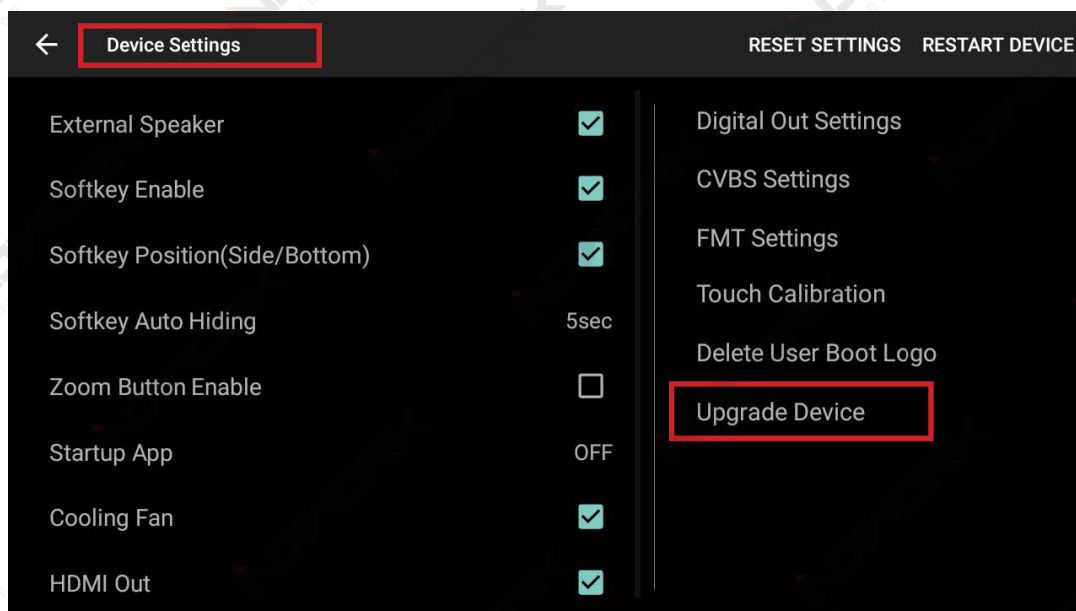
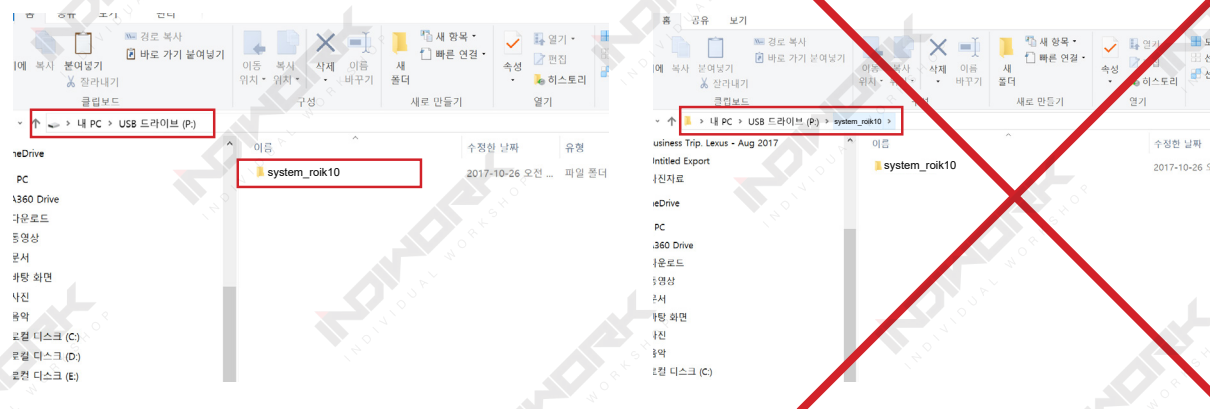


1. Download firmware in "indiwork" website

<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.

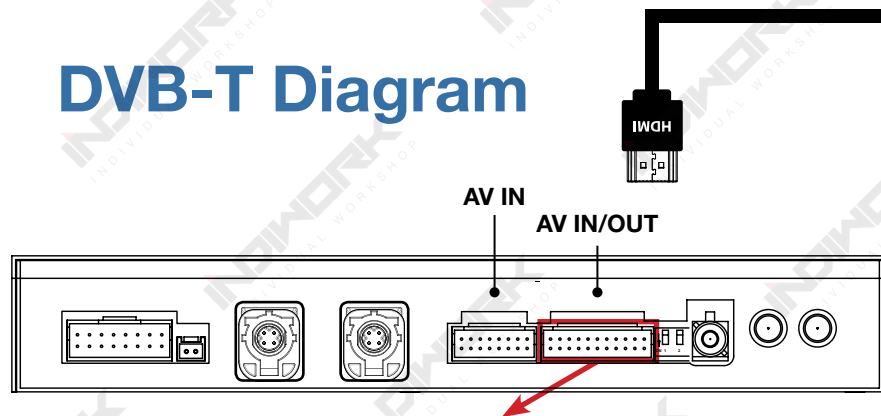
- Select the 'setting > system update', and press the OK button.
It will start upgrade

- 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**

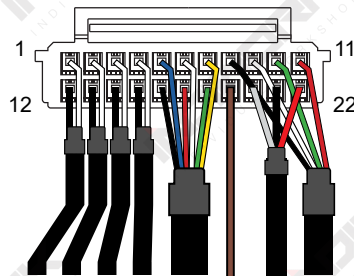
DVB-T Diagram



DVB-T DEVICE



**HDMI
OR
CVBS**



AV IN



**Wire To DVB-T IR
DVD IR**

DVB-TV IR Sensor	
Red	POWER
White	SIGNAL
Black	GROUND

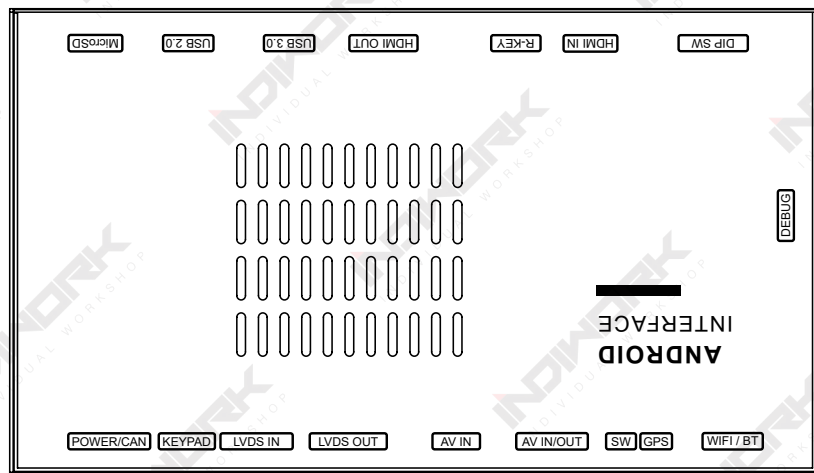


DVB-T-IR

IR SIGNAL IN



Settings (How To Use KEYPAD)

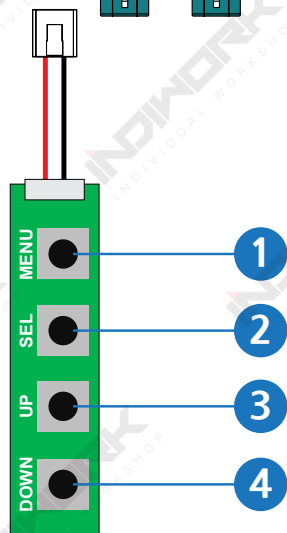


KEYPAD - Function #1

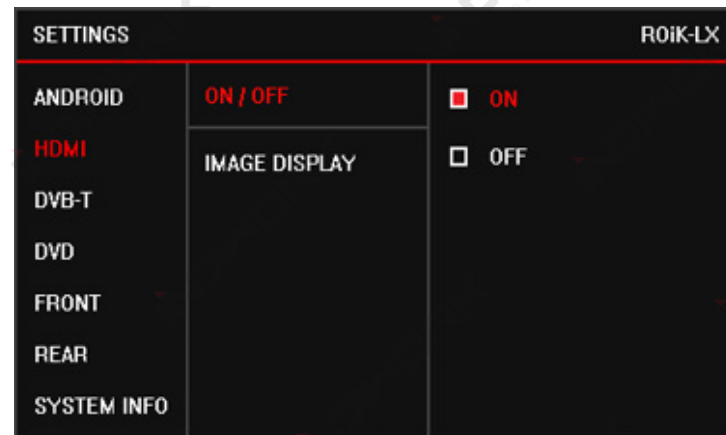
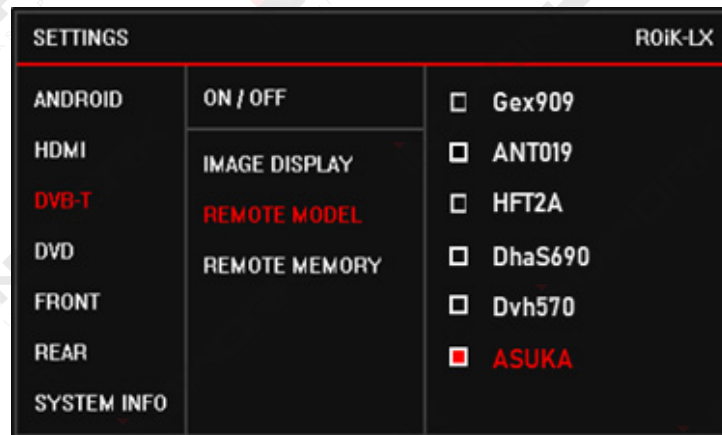
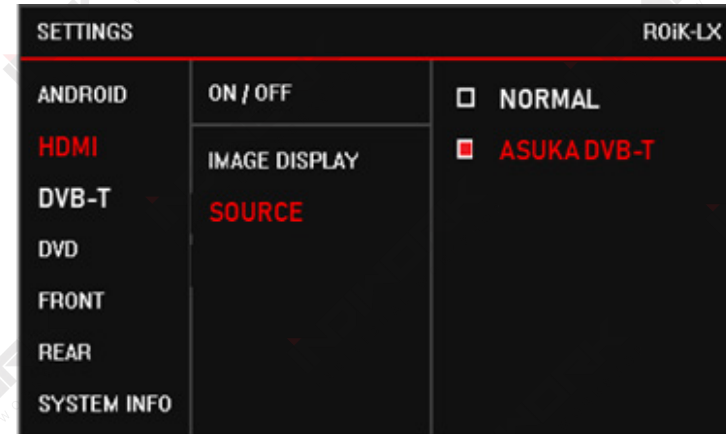
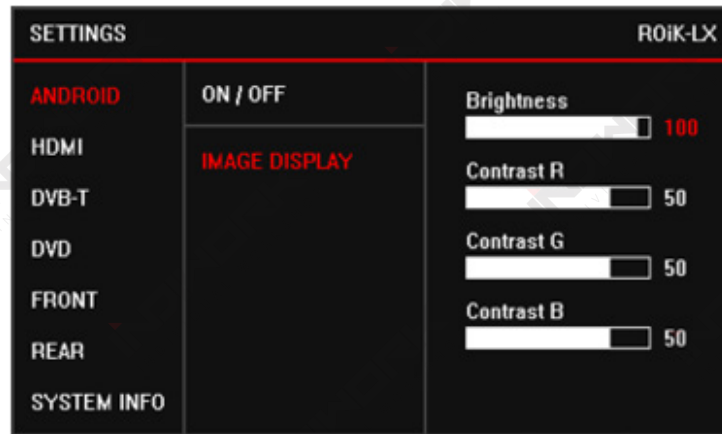
Button	Function	Operation	Remarks
1 MENU	Changing Modes	Press the button short time	Order : Android → HDMI → DVB-T → OEM
2 SEL	Setting Menu ※ Only in a Android, HDMI,DVB-T,DVD screen	Press the button short time	

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



Android HDMI

- Adjust BRIGHT and CONTRAST Settings
- Model Select

DVB-T DVD

- Adjust BRIGHT and CONTRAST Settings
- Remote Model
- Remote memory

Front Camera Rear Camera

- Adjust BRIGHT and CONTRAST Settings
- Parking Guide Line On,OFF
- Parking distance control
- Camera Keeping Time
- Warning Message

System information

- Factory default
- Model name & Firmware info
- Dip switch info
- UI Language

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