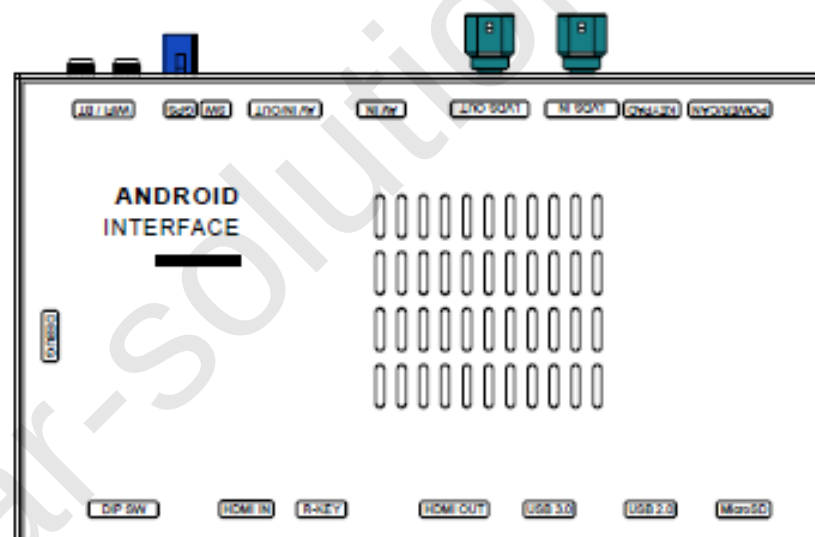


Instruction Manual

All in One Type Android System

A-LINK2-MIB2



Model Name	A-LINK2-MIB2
Latest Firmware Date	2019 - 07 - 12
Manual Version	Rev. 1.0
Language	English

Main Specifications

OS	Android 7.1.2(Nougat)
CPU	Six-Core 64bit Server Class Cortex-A72 Core @2.0Ghz, Mali-T880 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



Quadlock Harness



AV IN / OUT Cable



LVDS Cable



AV Cable



Capacitive Touch Cable



External GPS



KEYPAD



MicroPhone



IR Sensor



BT / WIFI Antenna

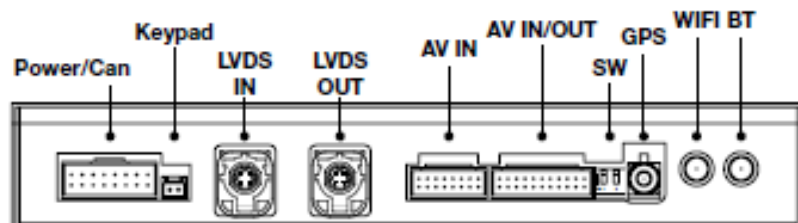


External Speaker

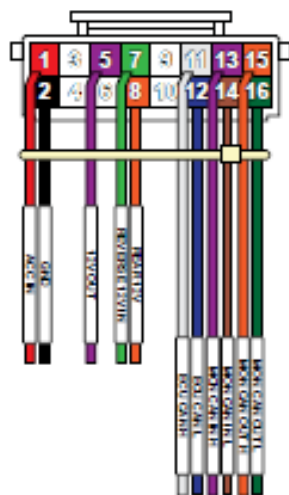
Optional Parts (sold separately at the indiwork)



Quadlock Harness



POWER/CAN CABLE



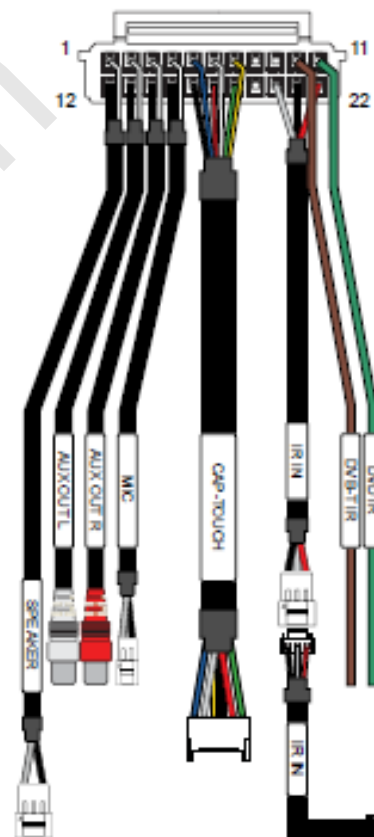
POWER / CAN CABLE			
1	BATTERY POWER INPUT	9	
2	GROUND	10	
3		11	ECU CAN H
4		12	ECU CAN L
5	12V(ACC) OUT	13	MON CAN IN H
6		14	MON CAN IN L
7	REVERSE 12V IN	15	MON CAN OUT H
8	REAR 12V POWER OUT	16	MON CAN OUT L

Capacitive Touch CABLE

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

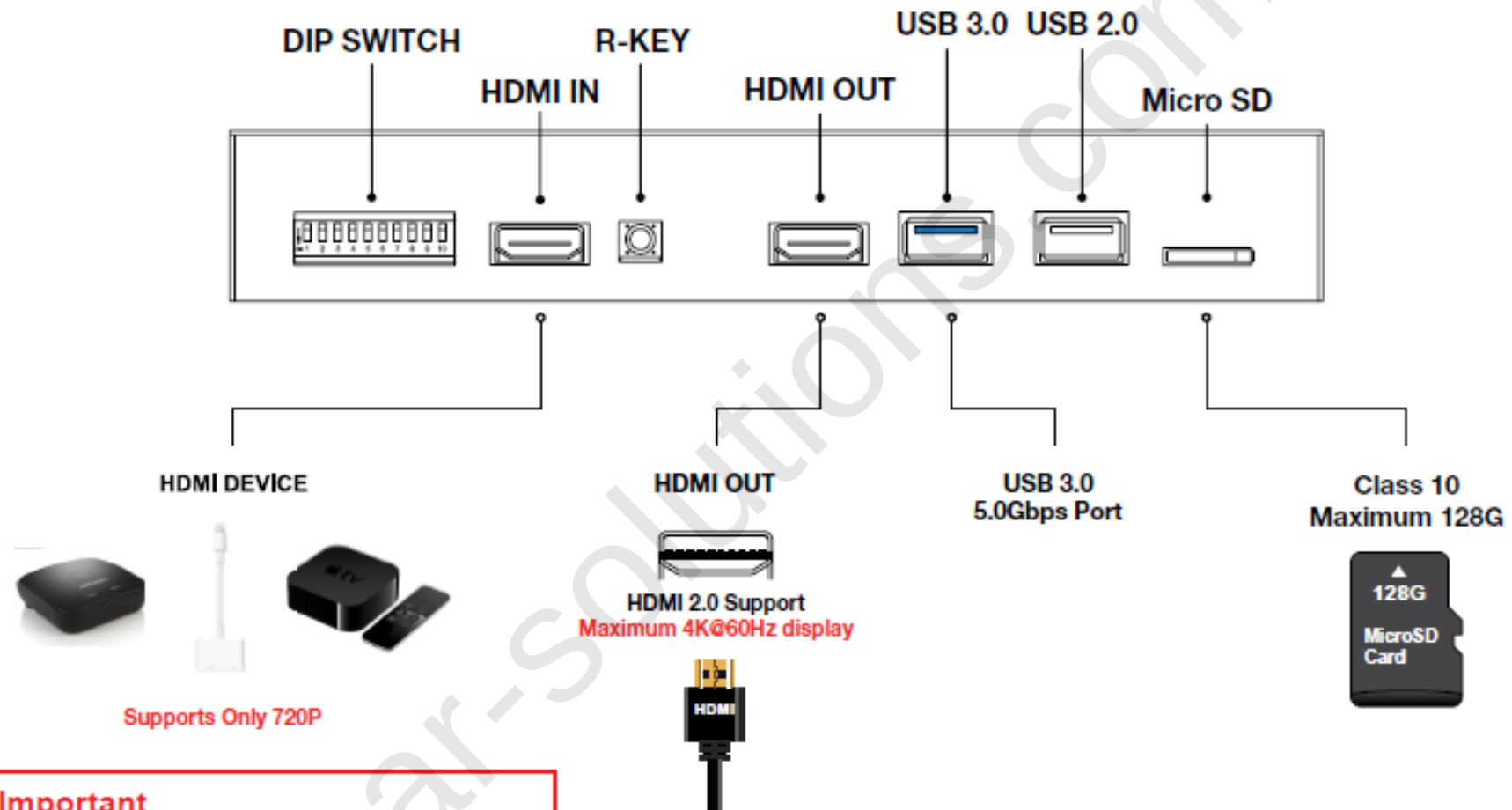


AV CABLE			
1	DVB-T VIDEO INPUT	9	GND_DVB-T VIDEO
2	DVB-T AUDIO R	10	GND_DVB-T AUDIO R
3	DVB-T AUDIO L	11	GND_DVB-T AUDIO L
4	DVD VIDEO INPUT	12	GND_DVD VIDEO
5	DVD AUDIO R	13	GND_DVD AUDIO R
6	DVD AUDIO L	14	GND_DVD AUDIO L
7	FRONT-CAM VIDEO INPUT	15	GND_FRONT-CAM VIDEO
8	RV-CAM VIDEO INPUT	16	GND_RV-CAM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



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		19	
9		20	IR_SIGNAL
10	DVB-T_IR	21	IR_GND
11	DVD_IR	22	IR_POWER

Body Connector specifications



Car Compatibility Chart



Car Models	Production Year	Specific Models
A3	2013 - 2016	- Audi A3 MMI Radio - Audi A3 MMI Navigation Plus
A4	2016 -	- MIB2 STD, MIB2 Main-Unit
A6	2016 -	- MIB2 STD, MIB2 Main-Unit
A7	2016 -	- MIB2 STD, MIB2 Main-Unit
Q5	2016 -	- MIB2 STD, MIB2 Main-Unit
Q7	2016 -	- MIB2 STD, MIB2 Main-Unit



AUDI A3(7inch)



AUDI A3 (5.8inch)



AUDI A4,Q5



AUDI Q7



AUDI A6,A7 4G MMI

Car Compatibility Chart



Volkswagen

Car Models	Production Year	Specific Models
POLO	2016 -	- VW Composition Media (6.5inch, 8-inch) - VW Discover Media Pro (6.5inch, 8-inch) - 2017 Discover Media, Pro(8inch, 9.2-inch)
GOLF	2016 -	- VW Composition Media (6.5inch, 8-inch) - VW Discover Media Pro (6.5inch, 8-inch) - 2017 Discover Media, Pro(8inch, 9.2-inch)
TIGUAN	2016 -	- 2017 Discover Media, Pro(8inch, 9.2-inch)
PASSAT	2016 -	- 2017 Discover Media, Pro(8inch, 9.2-inch)



Composition Media
(5.8inch,6.5inch,8inch)



Discover Pro (8inch)
Discover Media (6.5inch, 8inch)



2017 Discover Media (8inch)



2017 Discover Pro (9.2inch)



SKODA

Car Models	Production Year	Specific Models
Octavia	2016 -	- 2017 Discover Media, Pro(8inch, 9.2-inch)

Car Compatibility Chart



PORSCHE

Car Models	Production Year	Specific Models
Panamera	2017 -	- PCM 4.1
911 Carrera (991)	2017 -	- PCM 4.0
Macan	2017 -	- PCM 4.0



PANAMERA PCM 4.1



MACAN PCM 4.0



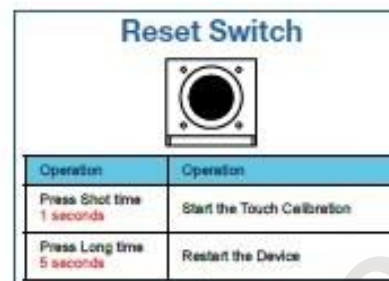
BENTLEY

Car Models	Production Year	Specific Models
BENTAYGA	2016 -	- Bentley Infotainment



Bentley Infotainment

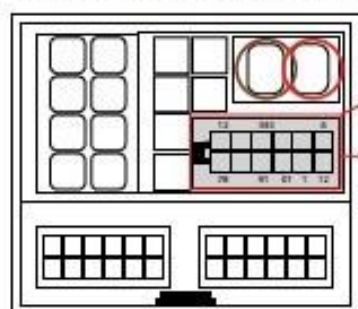
Full Installation Diagram



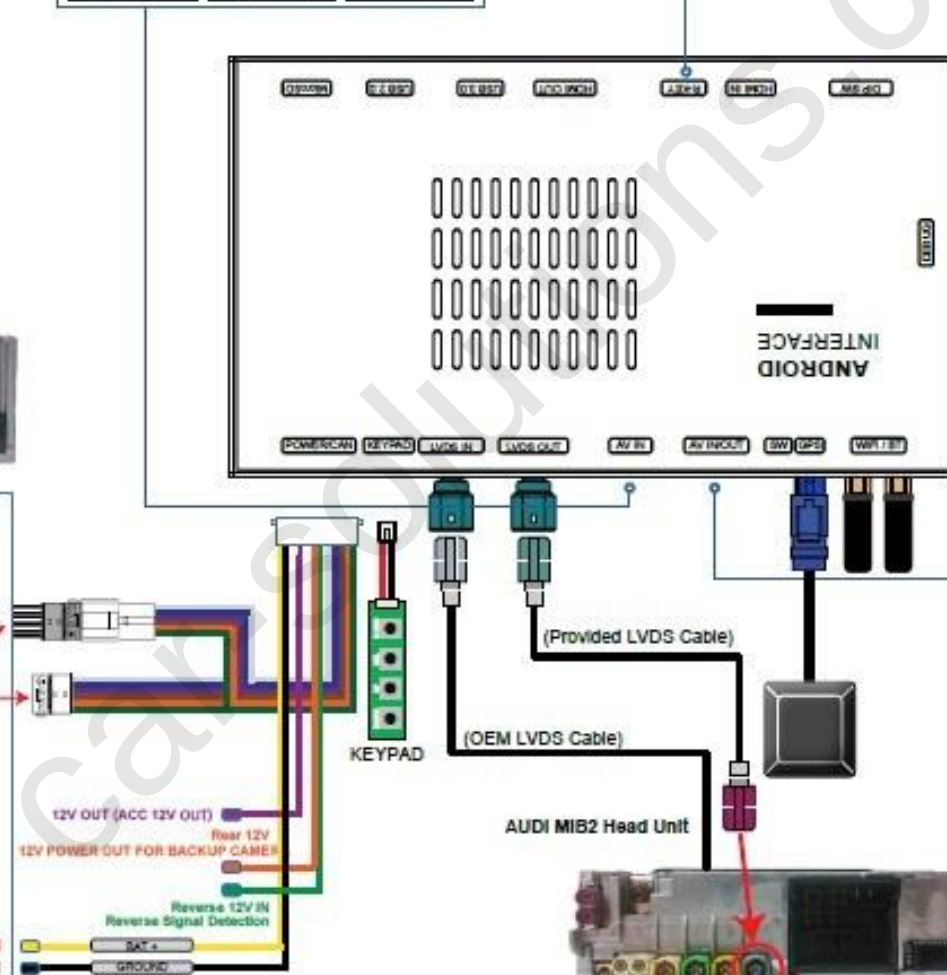
MIB2 Head Unit



MIB2 Head Unit Main Harness



(RED) B+ POWER - # PIN
(Brown) GROUND - # PIN



VW MIB2 Head Unit
SKODA MIB2 Head Unit
(OEM LVDS)



Porsche Head Unit
(OEM LVDS)



Bentley Head Unit
(OEM LVDS)



DIP Switch Settings



PIN	ON (▼)	OFF (▲)	No.7	No.8	No.9	No.10	Car Model	Remarks
1	HDMI Mode	Skip HDMI Mode	OFF (▲)	OFF (▲)	OFF (▲)	OFF (▲)	VW / GOLF,PASSAT,TIGUAN SKODA / Octavia	2017 Discover Media / 8-inch Discover Media, Pro / 6.5, 8-inch Composition Media / 6.5, 8-inch
2	External Rear View Camera	Original Rear View Mode (OEM CAMERA)	OFF (▲)	ON (▼)	OFF (▲)	OFF (▲)	VW / GOLF,PASSAT,TIGUAN SKODA / Octavia	2017 Discover Pro / 9.2-inch
3	External Front View Camera(AV1 Mode)	Skip External Front View Camera(AV1 Mode)	OFF (▲)	ON (▼)	ON (▼)	OFF (▲)	VW / GOLF,PASSAT,TIGUAN SKODA / Octavia	Composition Media / 5.8 inch Composition Colour / 5.8 inch
4	AV2(DVBT) Mode	Skip AV2(DVBT) Mode	ON (▼)	OFF (▲)	OFF (▲)	OFF (▲)	VW / GOLF,PASSAT,TIGUAN SKODA / Octavia	2017 Discover Media / 8-inch Discover Media, Pro / 6.5, 8-inch Composition Media / 6.5, 8-inch
5	AV3(DVD) Mode	Skip AV3(DVD) Mode	ON (▼)	ON (▼)	ON (▼)	OFF (▲)	VW / GOLF,PASSAT,TIGUAN SKODA / Octavia	Composition Media / 5.8 inch Composition Colour / 5.8 inch
6	Not Used Default (OFF)							
7	Selection of car model		OFF (▲)	OFF (▲)	ON (▼)	OFF (▲)	2017~ Audi Q7 2017~ Audi Q5 2017~ Audi A4	MIB2 / 8.3 inch
8			ON (▼)	ON (▼)	OFF (▲)	OFF (▲)	2017~ Audi Q7	MIB2 / 7 inch
9			OFF (▲)	ON (▼)	ON (▼)	ON (▼)	2017~ Audi A4 2017~ Audi Q5	MIB2 / 7 inch
10			ON (▼)	OFF (▲)	OFF (▲)	ON (▼)	2013~2016 Audi A3	Audi A3 MMI Radio / 7 inch
			ON (▼)	OFF (▲)	ON (▼)	OFF (▲)	2013~2016 Audi A3	Audi A3 MMI Radio / 5.8 inch (Low Resolution)
			ON (▼)	OFF (▲)	ON (▼)	ON (▼)	2016~ Audi A6(C7), A7(4G8)	MIB2 / 8 inch
			OFF (▲)	OFF (▲)	ON (▼)	ON (▼)	Porsche Panamera	PCM4.1 / 12.3 inch
			OFF (▲)	ON (▼)	OFF (▲)	ON (▼)	Porsche Macan	PCM4.0 / 8 inch
			OFF (▲)	OFF (▲)	OFF (▲)	ON (▼)	Bentley BENTAYGA	MIB2 / 8 inch

DIP Switch Settings



PIN	ON (▼)	OFF (▲)
1	"LVDS OUT" Resolution (1200 x 720), (800 x 480)	"LVDS OUT" Resolution 1280 x 720
2	External GPS Antenna	GPS FAKRA



Activation by original buttons



Button	Function	Operation	Remarks
1 MENU	Changing Modes	Press the button 2 seconds	Order : HDMI → NAVI → DVB-T → DVD → OEM
		Press the button short time	Return to the OEM mode in any modes.
2	Changing Modes	Press the button short time	Order : HDMI ↔ NAVI ↔ DVB-T ↔ DVD
3 DIAL	DVB-T, DVD Menu Control	Press the button, Turn the dial	You can control DVB-T and DVD after connection and setting
4 BACK	Changing Modes (Front Cam)	Press the button 2 seconds	Order : AV1 (Front View Camera)
		Press the button short time	Order : AV1 → Previous screen
5 NAV	Changing Modes	Press the button 2 seconds	Order : HDMI → NAVI → DVB-T → DVD → OEM
		Press the button short time	Order : → OEM
1 MENU	Reset	Press the button 10 seconds	You can use this function when you get in trouble



Click
Push Touch Pad



Scroll
Slide two fingers up or down the touch pad to scroll



Drag
Push Touch Pad and Sliding

Activation by original buttons



Volkswagen



SKODA



Volkswagen Discover Pro(8-inch)



2017 Discover Pro(9.2-inch)



Steering Wheel Buttons



PDC Button

Button	Function	Operation	Remarks
1 MENU	Changing Modes	Press the button 2 seconds	Order : HDMI → NAVI → DVB-T → DVD → OEM
		Press the button short time	Return to the OEM mode in any modes.
2 ▽	Changing Modes (Front Cam)	Press the button 2 seconds	Order : AV1 (Front View Camera)
		Press the button short time	Order : AV1 → Previous screen
3 PDC BUTTON	Changing Modes	Press the button short time	Order : → OEM
1 MENU	Reset	Press the button 10 seconds	You can use this function when you get in trouble

Activation by original buttons



PORSCHE



Porsche PCM 4.1

Button	Function	Operation	Remarks
1 NAV	Changing Modes	Press the button 2 seconds	Order : HDMI → NAVI → DVB-T → DVD → OEM
		Press the button short time	Return to the OEM mode in any modes.
2 DIAL	DVB-T, DVD Menu Control	Press the button, Turn the dial	You can control DVB-T and DVD after connection and setting
1 NAV	Reset	Press the button 10 seconds	You can use this function when you get in trouble



Porsche PCM 4.0

Activation by original buttons

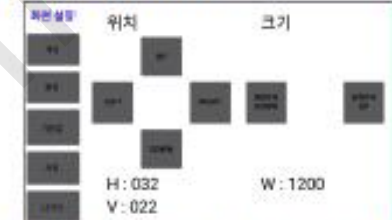


Button	Function	Operation	Remarks
1 HOME	Changing Modes	Press the button 2 seconds	Order : HDMI → NAVI → DVB-T → DVD → OEM
		Press the button short time	Return to the OEM mode in any modes.
1 HOME	Reset	Press the button 10 seconds	You can use this function when you get in trouble

Android User Interface (Main Page)



Digital Out Settings



Adjust the screen size and position and color

FM-TX

You can hear the sound with car stereo system via FM-TX

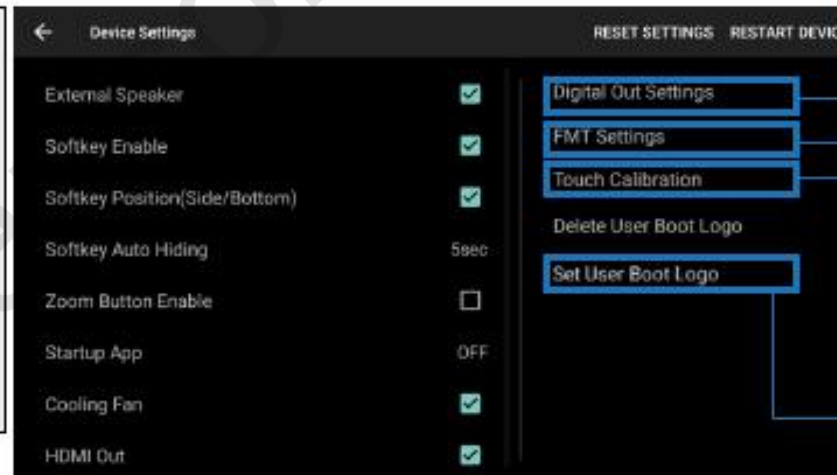


"PIP" Function



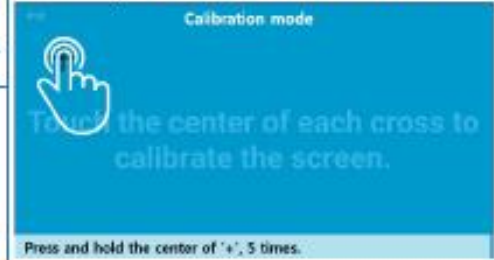
Press the Button 2sec

※ 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

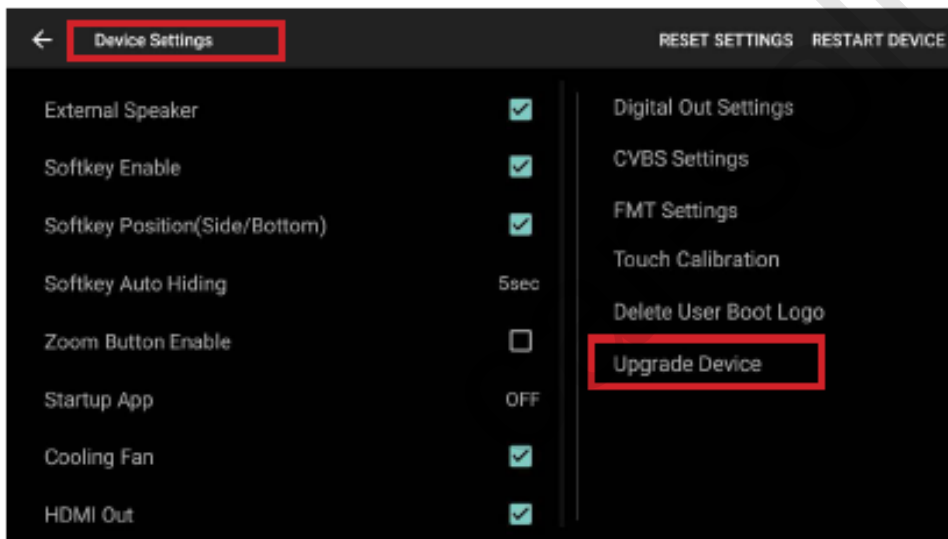
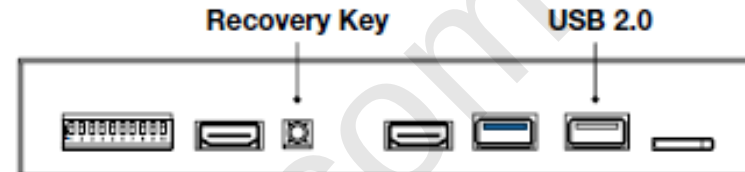
1. Download firmware in "indiwork" website
<http://indiwork.co.kr/a-link-firmware-update-international/>

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

* USB format type = FAT32



Only USB2.0 port supports for Android Firmware



A-LINK DEVICE SETTING

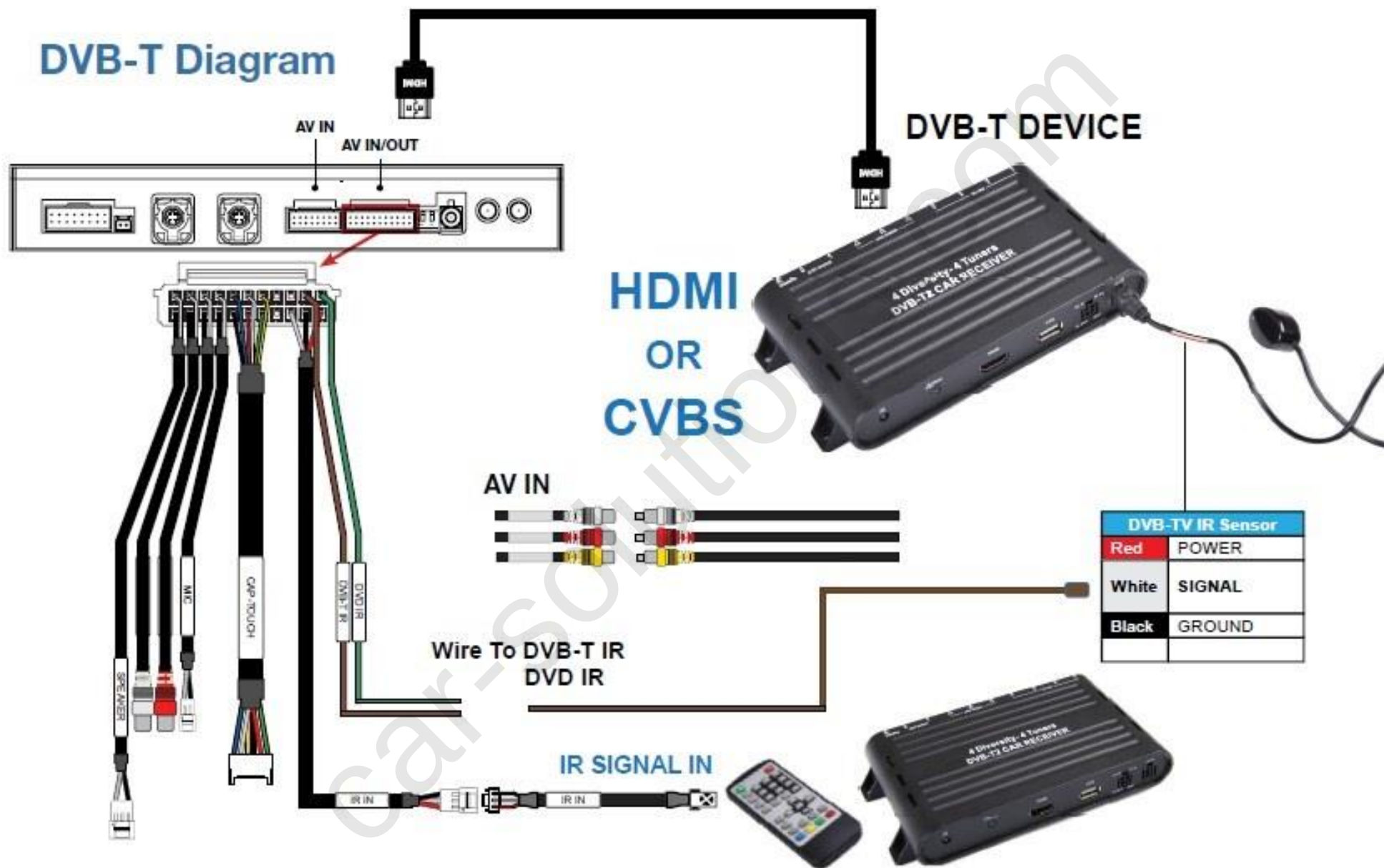
- Copy the 'system_roik10' folder to the root of the SD card.

THERE ARE TWO WAYS FOR START THE FIRMWARE.

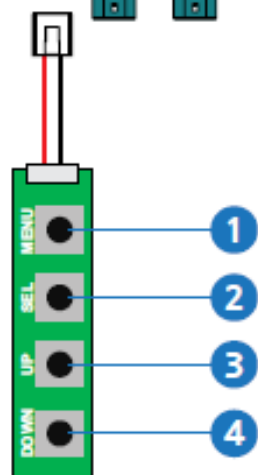
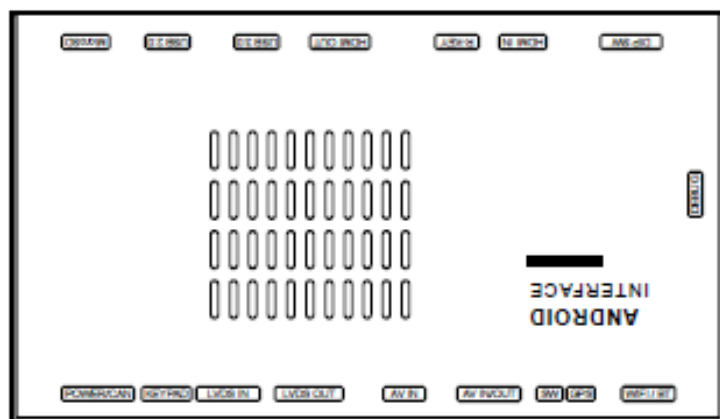
- Select the 'setting > system update', and press the OK button. It will start upgrade
- Push hold "Recovery Key" and turn on (re-connect power cable), It will start upgrade

- * 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



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 → DVD → 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

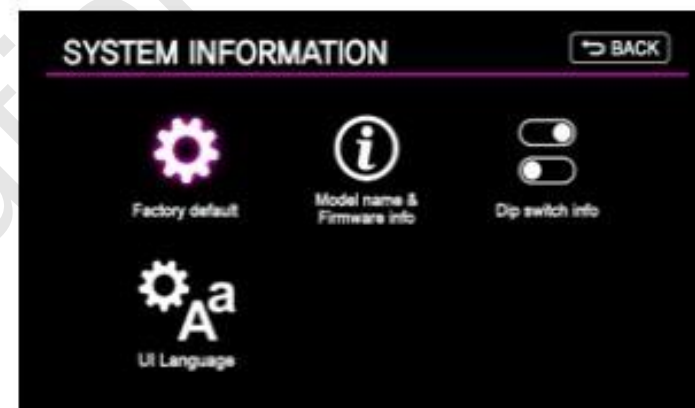


Android HDMI

- 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

Settings



Remote Controller Model Select



DVB-T Model Select



Remote IR Memory (User setting)