



ROIK-LX

- MODEL : ROIK-LX

- DATE : 2017.11.06

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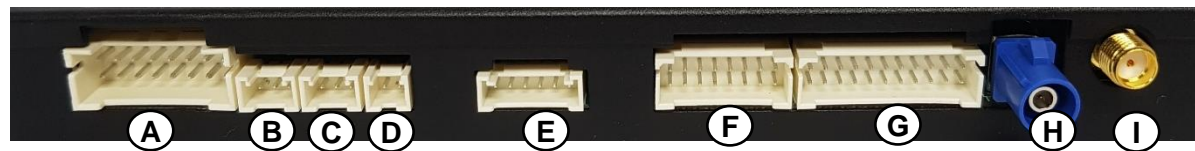
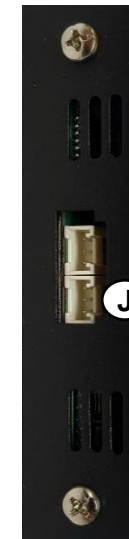
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Specification

- Android
 1. OS : Android 5.1.1(Lollipop)
 2. CPU : NXP5430Q - Cortex-A53 Octa Core @1.6Ghz Mali-400 MP4 GPU
 3. Memory : 2GB DDR3 @800Mhz
 4. SD Card : 16GB (SDHC Class10, Max 32GB support, FAT32)
 5. USB : USB2.0 High Speed Port x 2
 6. Telecommunication : 802.11 b/g/n Wi-Fi, Bluetooth 4.0
 7. GPS : Ublox7
 8. Speaker : 2W
 9. Temperature : Storage -20 C ~ +80 C/ Operating -15 C ~ +70 C
- Interface
 1. Input Spec.
 - 1 x A/V Input (external video source)
 - 1 x HDMI Input (up to 720P)
 2. Output Spec.
 - 1 x Audio L/R Output
 - 1 x LVDS Output (LCD Operation)
 3. Power Spec.
 - Input Power : 12V DC ~ 24V DC
 - Consumption Power : 12 Watt Max
 4. I/O
 - Output :
 1. 12V Output (3A Max)
 2. DVB-T IR (Remote Control)
 - Input :
 1. OMNI Key (Reserved.)

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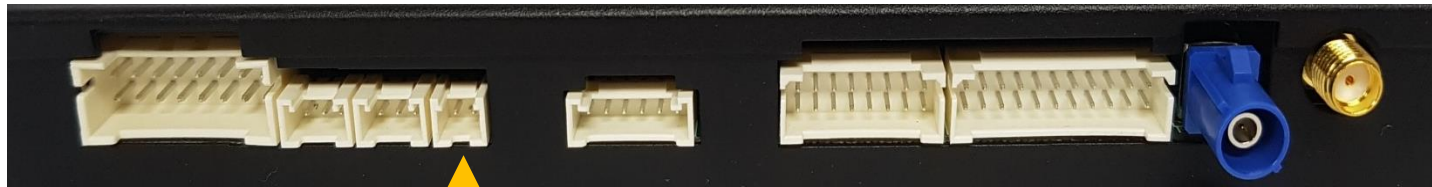
External Appearance



A	Power/Can Calbe	I	Wifi / BT Antenna
B	DEBUG - main	J	DEBUG - tw88
C	DEBUG - sub	K	SD Card Slot
D	K-PAD	L	HDMI Input
E	GVIF In/Out	M	5V Power
F	AV IN (AV Cable)	N	Dip Switch
G	AV IN/OUT (Universal Cable)	O	USB 2.0 x 2
H	GPS Antenna		

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Connector Pin Assignment



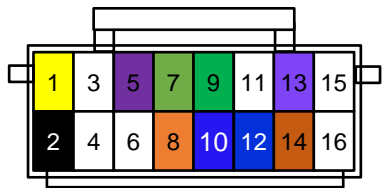
※ POWER CABLE

※ AV CABLE

※ UNIVERSAL CABLE

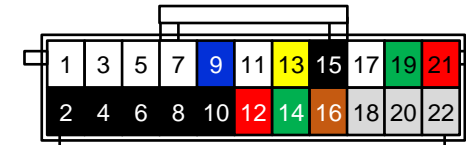


※ POWER CABLE

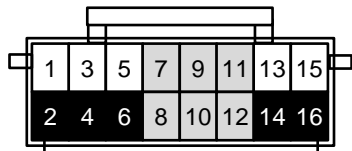


1	BATTERY	2	GND
3	N.C.	4	N.C.
5	12V_OUT	6	N.C.
7	N.C.	8	REAR_12V
9	BUTTON_KEY	10	OMNI_KEY
11	ECU_CAN_H	12	ECU_CAN_L
13	TOYOTA_BUS_L	14	TOYOTA_BUS_H
15	MON_CAN_L	16	MON_CAN_H

※ UNIVERSAL CABLE



※ AV CABLE

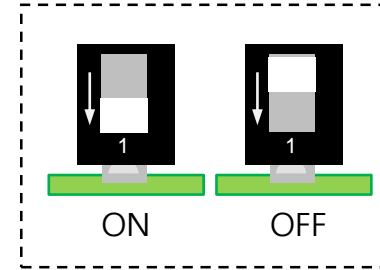


1	DVBT_IN_V	2	GND
3	DVBT_IN_R	4	GND
5	DVBT_IN_L	6	GND
7	N.C.	8	N.C.
9	N.C.	10	N.C.
11	N.C.	12	N.C.
13	FRONT_IN	14	GND
15	REAR_IN	16	GND

1	SPK_P	2	SPK_N
3	AUX_OUT_R	4	AUX_GND
5	AUX_OUT_L	6	AUX_GND
7	MIC_P	8	MIC_N
9	I2C_CAP_SCL	10	CAP_GND
11	I2C_CAP_SDA	12	CAP3.3V
13	CAP_TU_INT	14	CAP_TU_RST
15	TOUCH_X-	16	DVB_T_IR
17	TOUCH_Y-	18	N.C.
19	TOUCH_X+	20	N.C.
21	TOUCH_Y+	22	N.C.

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DIP S/W Information



No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	Car Model
OFF	OFF	OFF	OFF	OFF	OFF	Lexus RX
OFF	OFF	OFF	OFF	OFF	ON	Lexus LX
OFF	OFF	OFF	OFF	ON	OFF	Lexus RX200T
OFF	OFF	OFF	OFF	ON	ON	TOYOTA LC200

* RX200T = RX model small monitor

* LC200 = TOYOTA LAND CRUISER 200

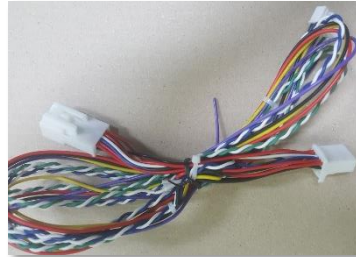
* **LC200 TOUCH IN/OUT BOARD IS OPTIONAL PART (Ask to your supplier)**

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Components



ROIK-LX BOARD



Power/ CAN Cable



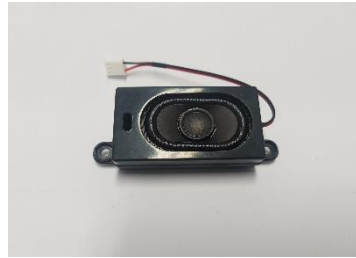
Universal Cable



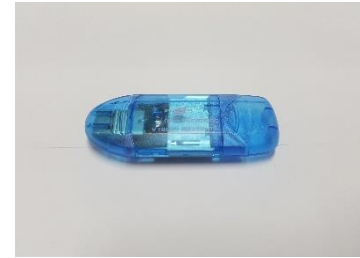
AV Cable



GVIF In/Out Cable



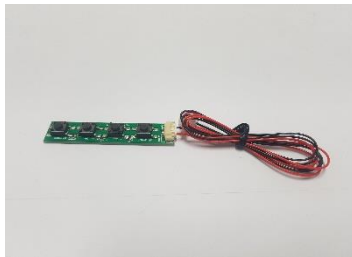
Speaker



SD Card reader



**GPS Antenna
(5M)**



Key Pad



Wifi/BT Antenna



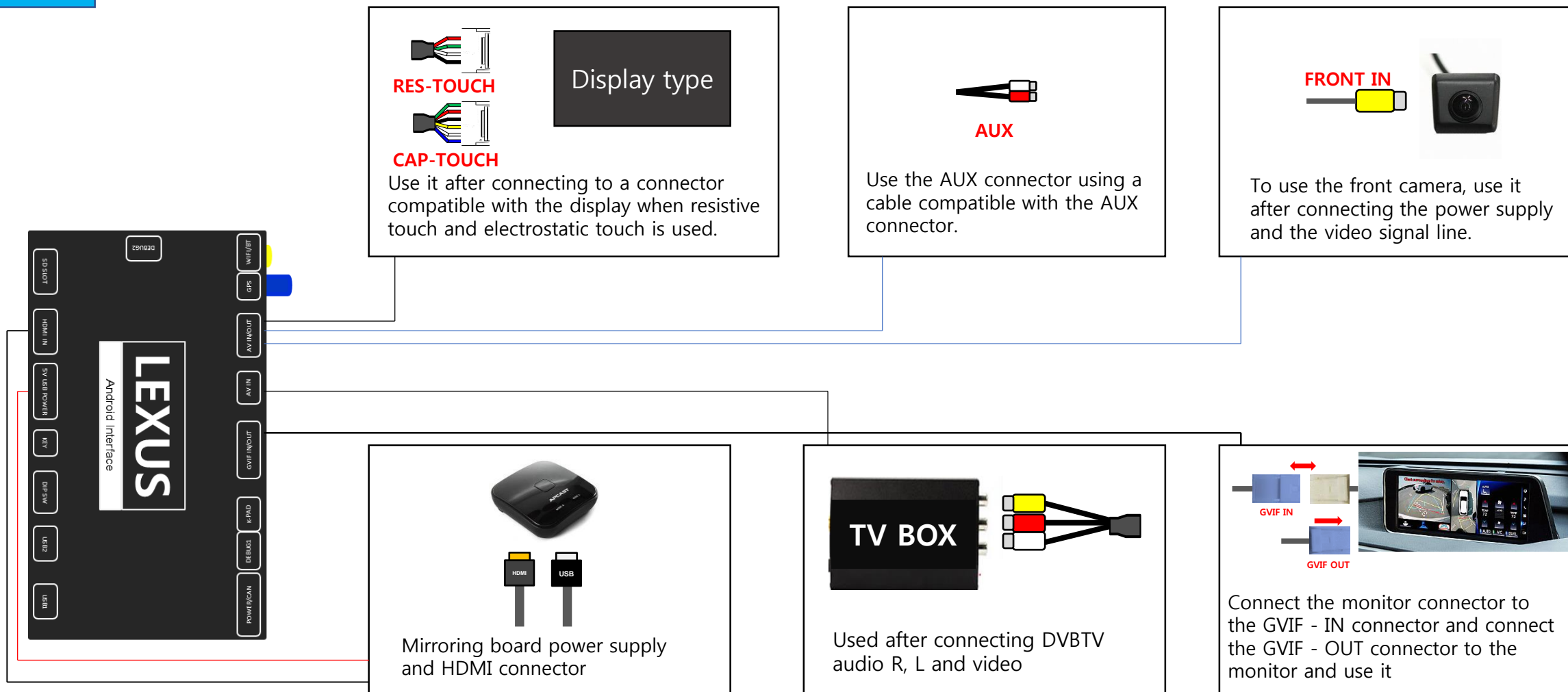
SD Card



MIC

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Cable Diagram

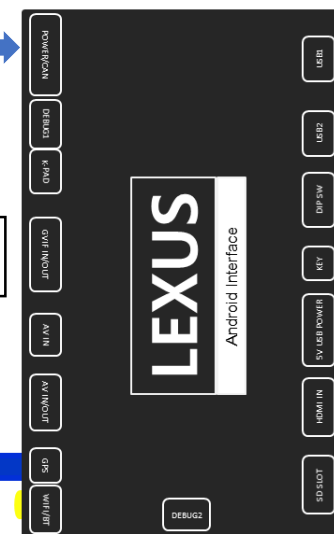
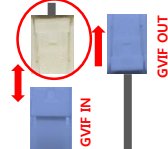
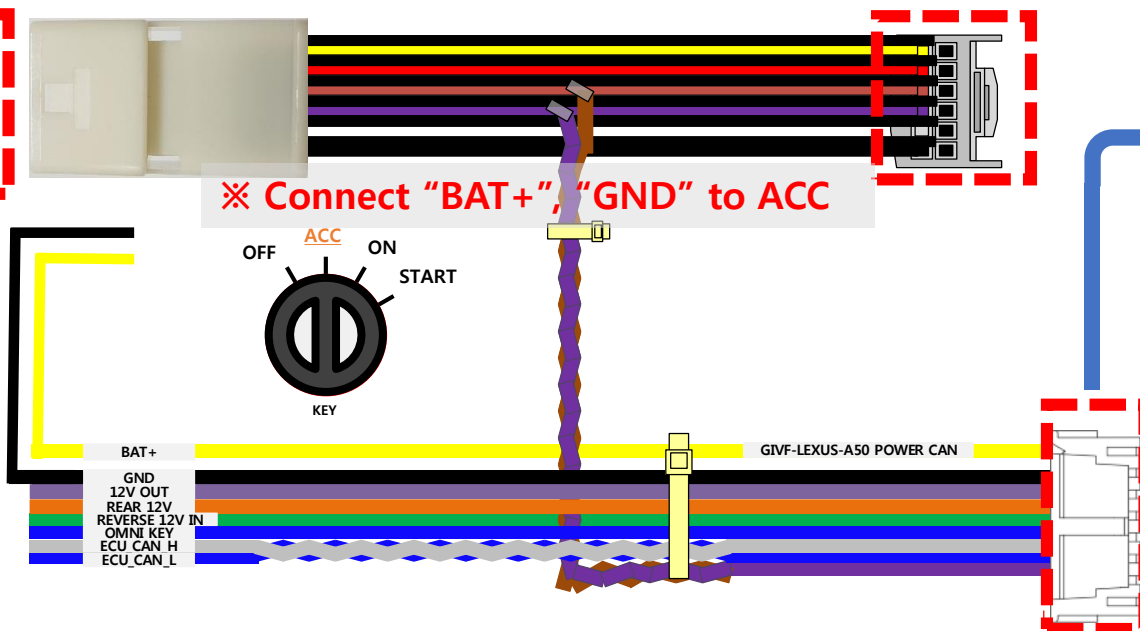
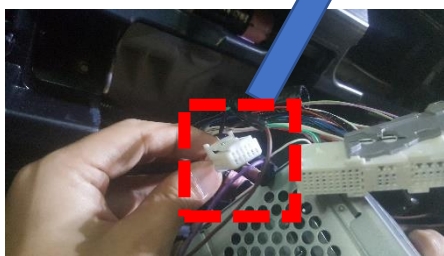


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Connect CAN/Power Diagram

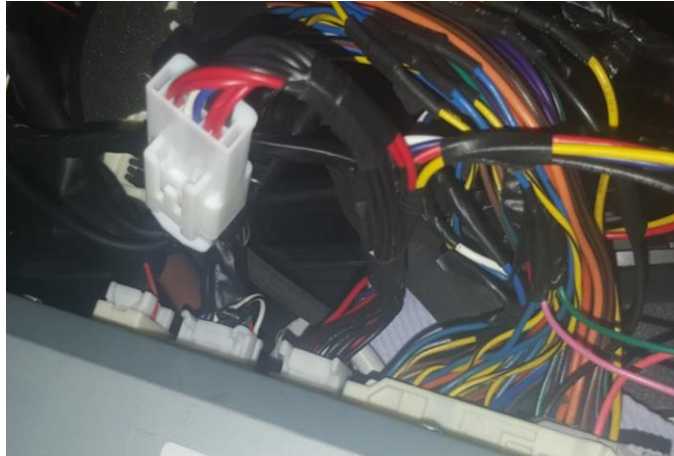


Original cable

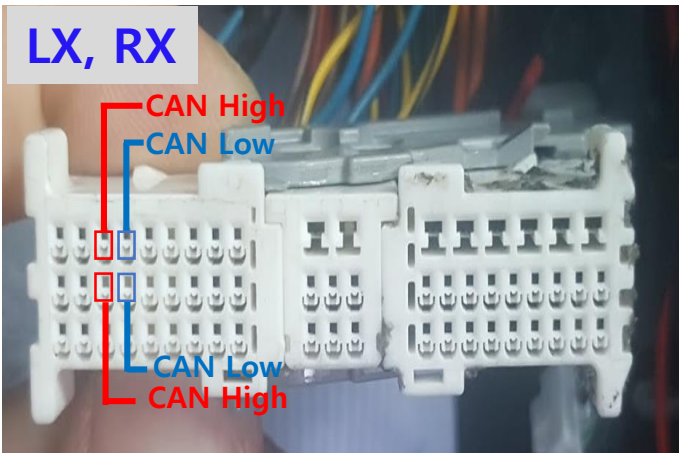


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Connect CAN/Power connector



- Remove original connector.
- Connect supplied connector to audio and original connector.

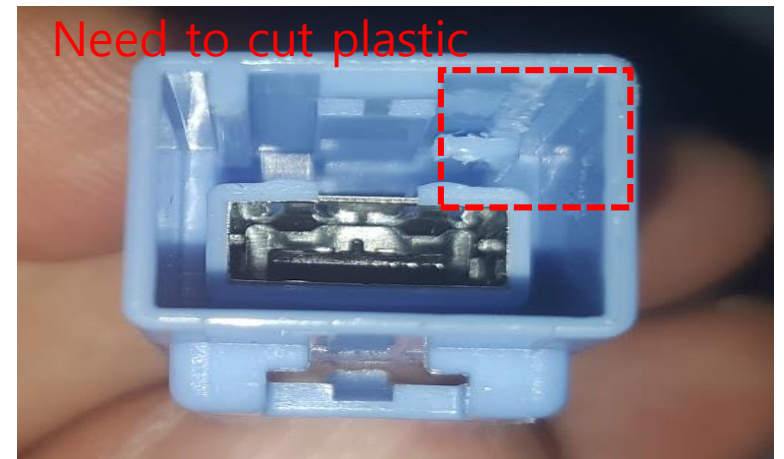


- Connect 'CAN High/Low" to the original connector from supplied connector

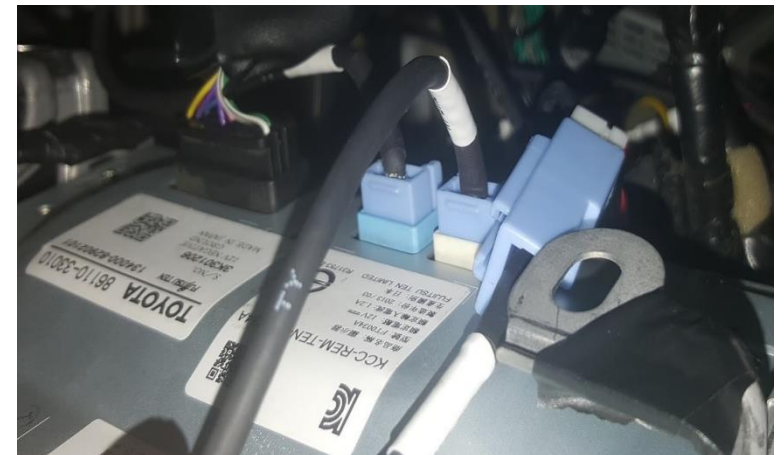
Depending on the type of vehicle, the position of "can" may be different.

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Connect LVDS In/Out

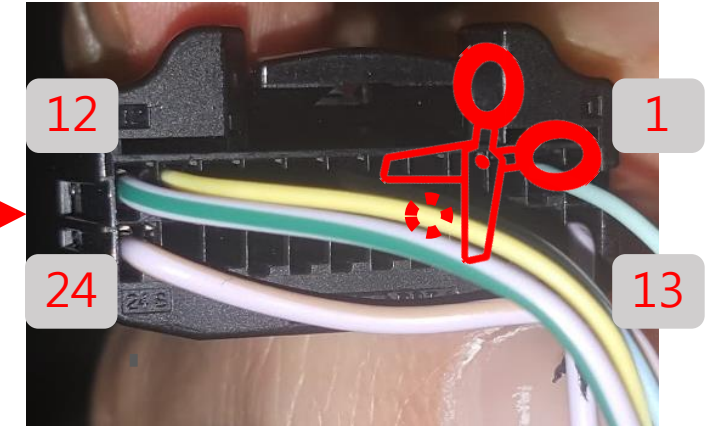
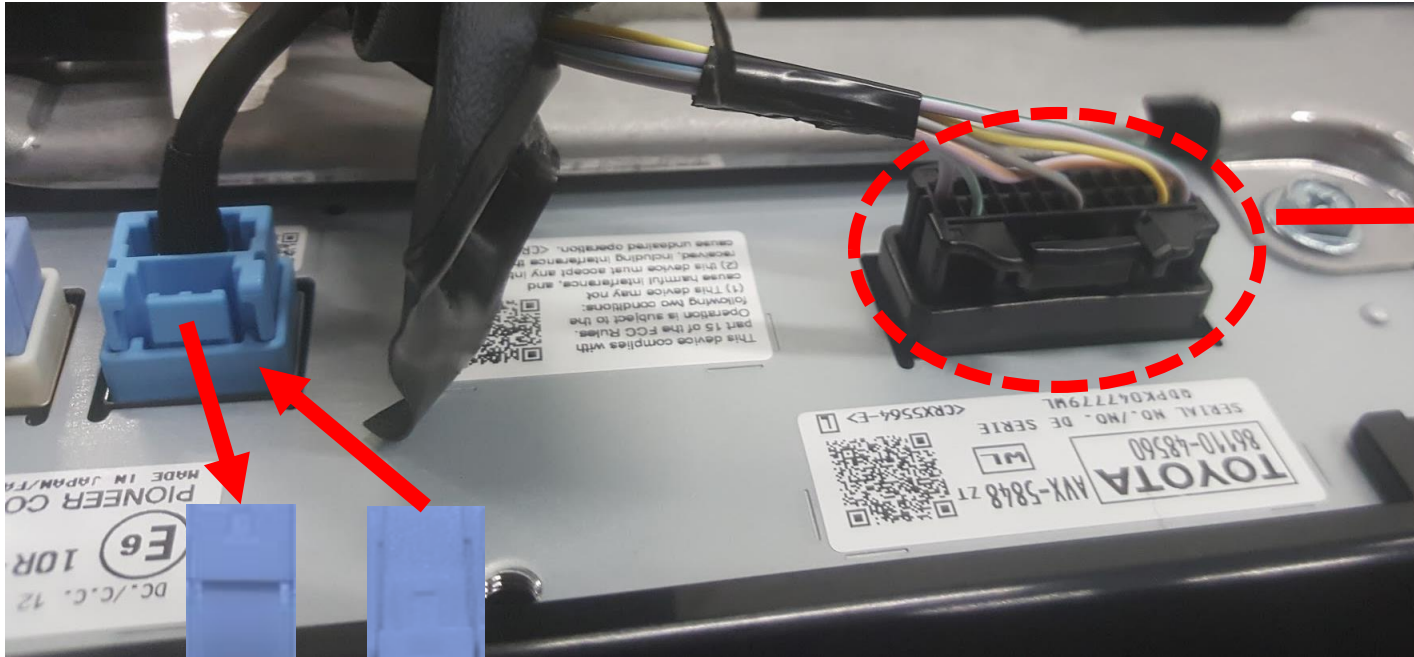


- Remove white connector on behind of monitor.
- Cut plastic of white connector and supplied connector
- Connect white connector to supplied connector and supplied connector to behind of monitor.

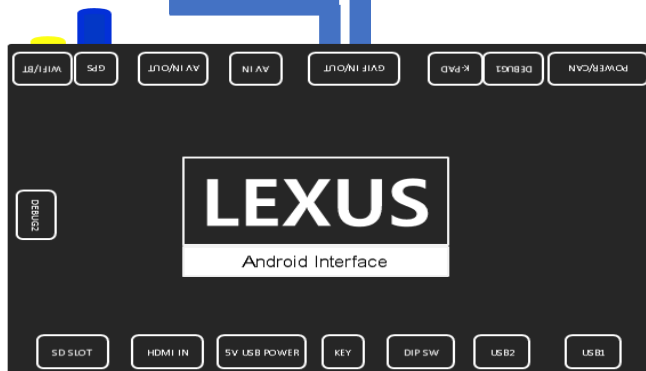


Car Model	Gvif In/Out connector Color behind Monitor
Lexus RX	White
Lexus LX	White
Lexus RX200T	Blue
Lexus LC200	White

※ Different In/Out GVIF according to Car Model



Cut wiring number 11.



※ RX200T

- Remove blue connector on behind of monitor.
- Cut plastic of blue connector and supplied connector
- Connect blue connector to supplied connector and supplied connector to behind of monitor.

OEM Buttons usage

LX, RX



no	Button	Press	Mode	Function
1	MENU	Short Press	Roik	To Oem Screen
2	MAP	Short Press	Roik	To Oem Screen
		Long Press (2sec)	Oem	To Roik Screen
3	BACK	Short Press	Roik	Back key for Android
4	UP	Short Press	Roik	Seek up down
5	DOWN	Short Press		
6	JOG	Short Press	Roik	Mouse

LC200



no	Button	Press	Mode	Function
1	HOME	Short Press	Roik	To Oem Screen
2	NAV	Short Press	Roik	To Oem Screen
		Long Press (2sec)	Oem	To Roik Screen
3	INFO	Short Press	Roik	To Oem Screen
4	AUDIO	Short Press	Roik	
5	PHONE	Short Press	Roik	
6	SETUP	Short Press	Roik	

RX200T



no	Button	Press	Mode	Function
1	AUDIO	Short Press	Roik	To Oem Screen
2	MENU	Short Press	Roik	To Oem Screen
3	BACK	Long Press (2sec)	Oem	To Roik Screen
4	DIAL	Short Press	Roik	Mouse

RX200T :

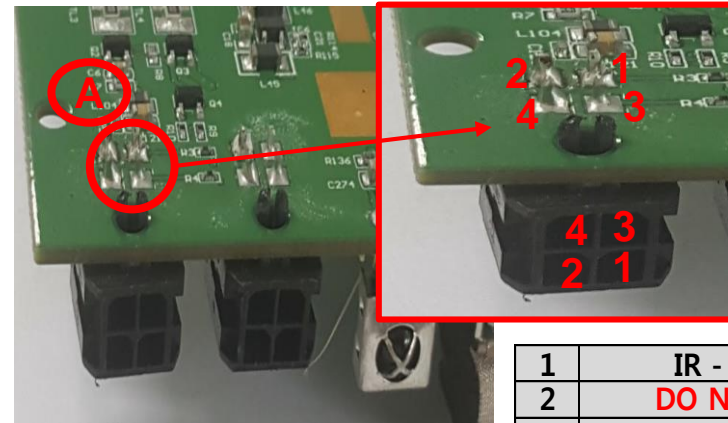
Turn the wheel to the right quickly and the buzzer sounds.
 Activate drag function, press again to cancel

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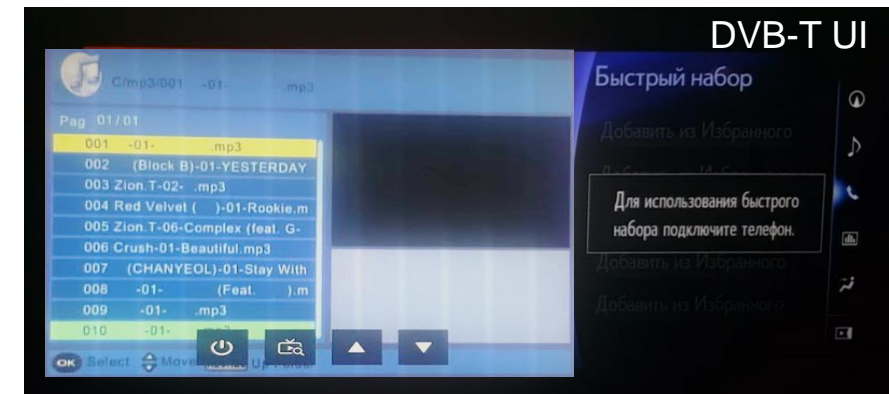
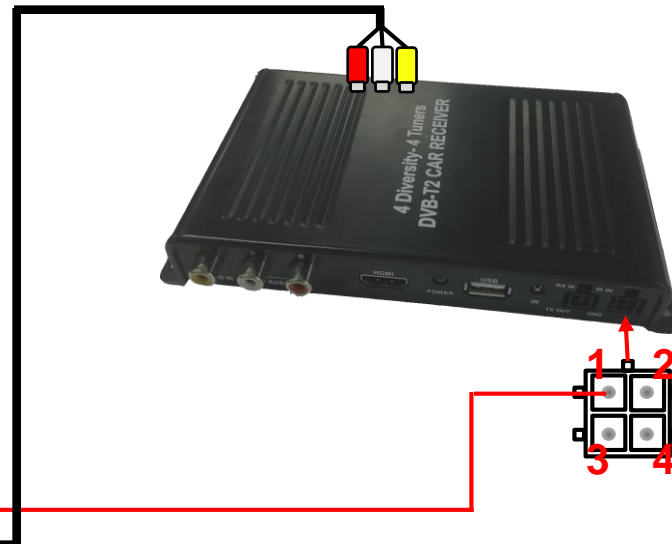
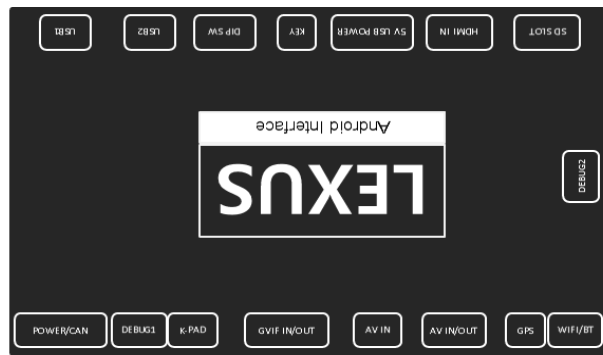
DVB-T Connection Diagram for AV Input



Open the cover of DVB-T.
Connect 'DVBT-IR' provided to 'A' on picture

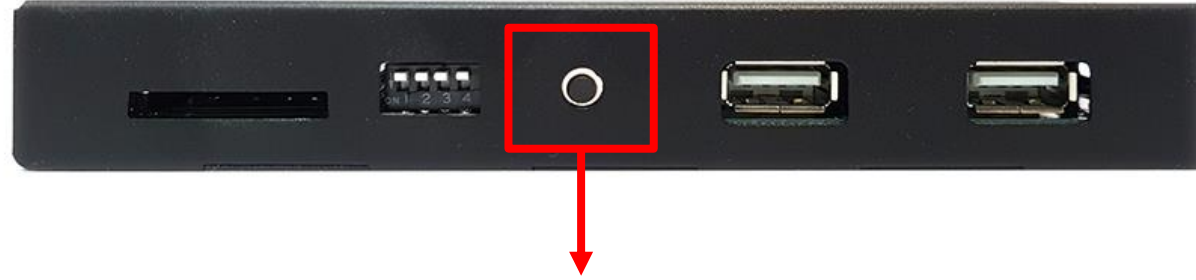


1	IR - DVB-T
2	DO NOT USE.
3	DO NOT USE.
4	DO NOT USE.

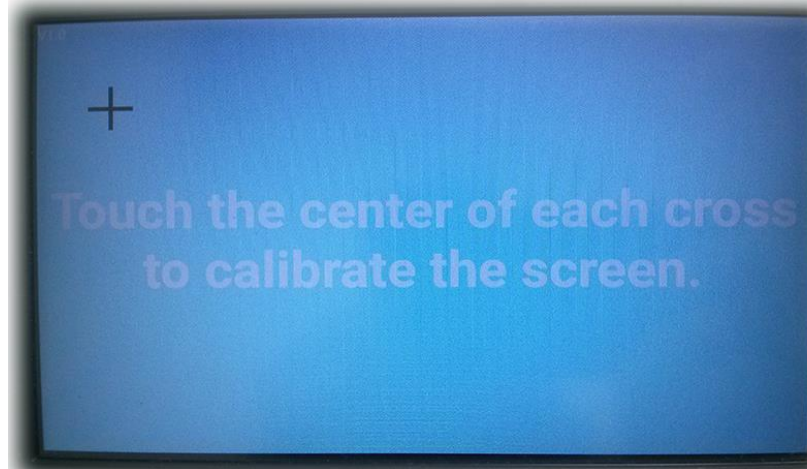




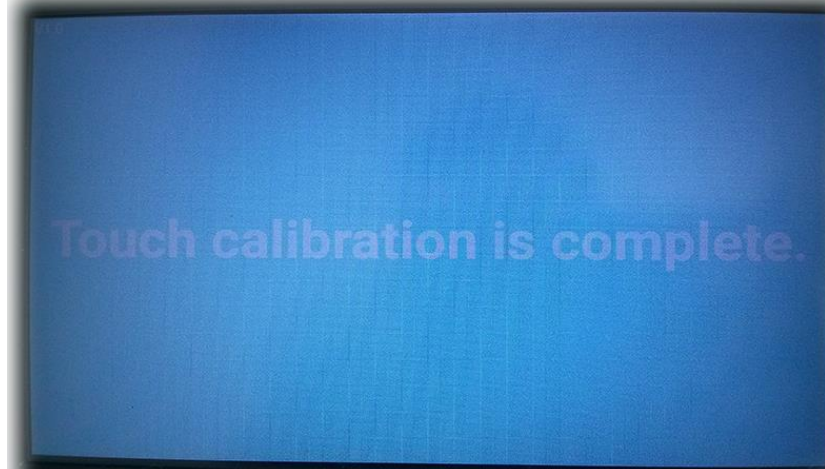
①	Navigation	⑥	File Manager
②	YouTube	⑦	HDMI Screen (for Interface)
③	Player	⑧	Setting
④	Online TV	⑨	Wifi setting
⑤	Internet	⑩	Apps list



Push button 2~3 sec after booting



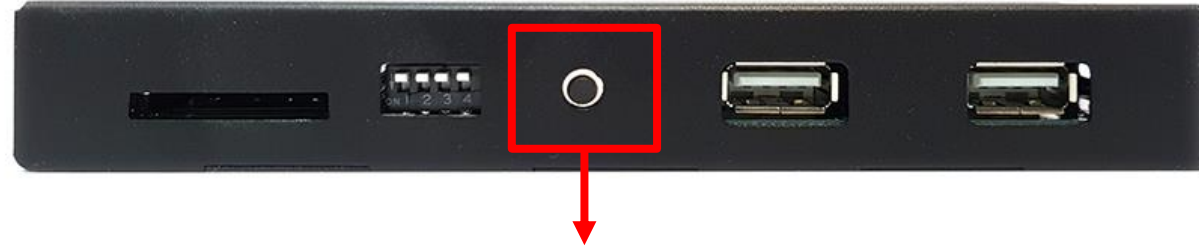
Calibration mode



After calibration, push screen few second

* Capacitive touch panel no need set calibration

Firmware Upgrade



Copy 'system_roik_lexus' folder to SD Card root and insert to GPS.

Push hold this button and turn on (re-connect power cable), it will start upgrade

*'/sdcard/system_roik_lexus' Folder have 'partmap.txt / boot.img / root.img' files

