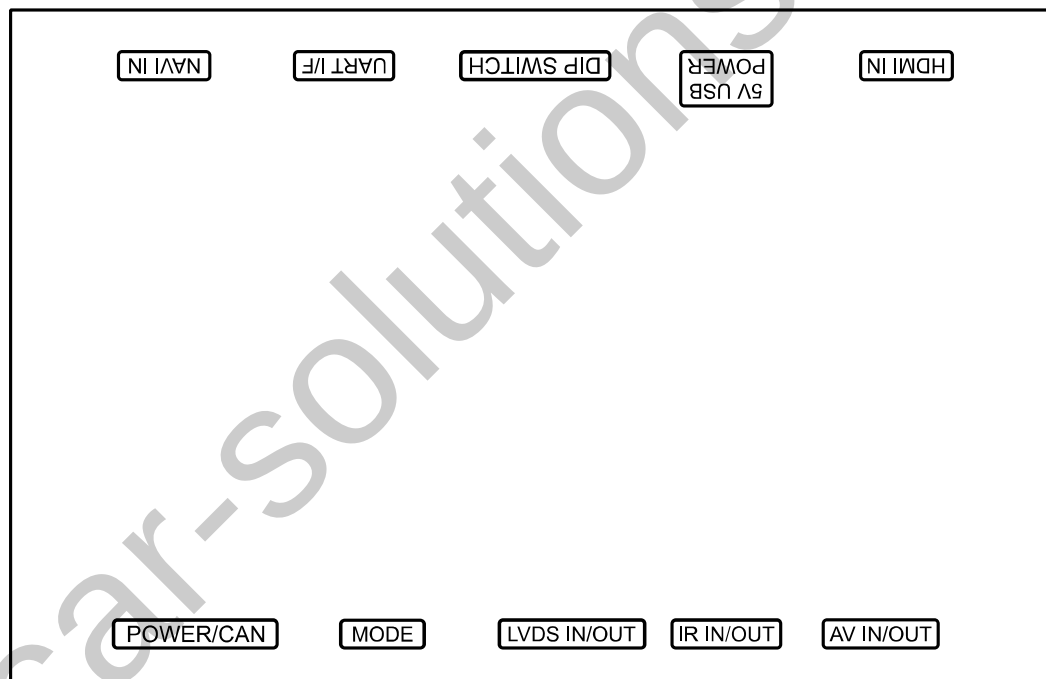


Instruction Manual

High-Definition Link for Lexus



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Cautions

▪ Model-related

- You should check the names and colors of each wires exactly, before you connect the wires.
ex) CAN HIGH: White wires / CAN LOW: Blue wires
- The 'POWER / CAN Cable' should always be connected last and be disconnected first.
- The 'Mode Switch' is an optional part to change modes forcibly without CAN-BUS.
Generally, the CAN-BUS wires are connected for changing modes by original buttons.
- When the reverse gear is not detected by CAN-BUS,
the 'REVERSE 12V IN wire' should be spliced with 12V power of reverse light.

▪ HDMI device-related

- HDMI mode accepts general-screen resolution of HDMI devices.
- Generally, '5V 1A Power output(5V USB POWER)' is a standard voltage for charging smartphone.
If you need higher voltage than 5V, you should add a separate power supply.

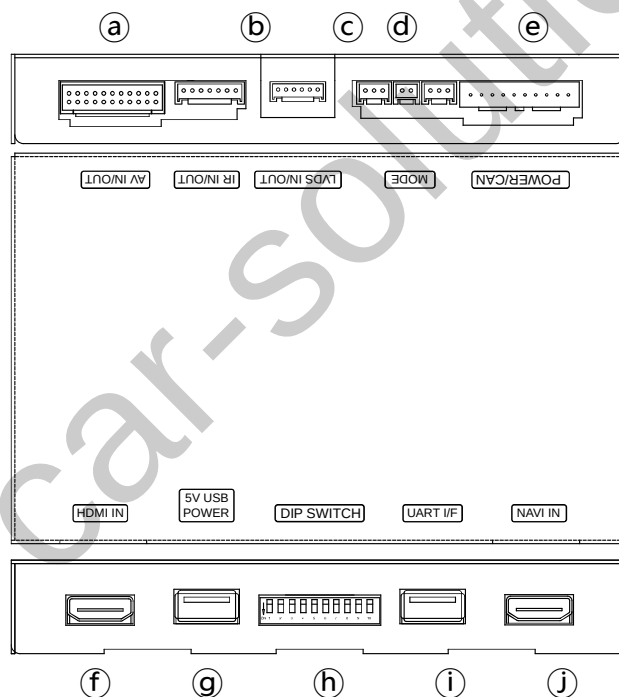
▪ Navigation(GPS) box-related

- When you connect the power wires(B+, ACC) to the navigation(GPS) box,
the 'NAVI (12V) OUT' wire supported by this device should be spliced with an ACC wire of navigation box .

Dimension



Exterior



- ① AV IN / OUT
- ② IR IN / OUT (Not Used)
- ③ LVDS IN / OUT
- ④ MODE
- ⑤ POWER / CAN
- ⑥ HDMI IN
- ⑦ 5V USB POWER
- ⑧ DIP SWITCH
- ⑨ UART I/F
- ⑩ NAVI IN

Components



POWER / CAN Cable



GVIF-IN / OUT Cable



AV IN / OUT Cable



5-Pin Micro USB Cable



Mode Switch

Optional Parts (sold separately)



HDMI Cable
(Male to Male)



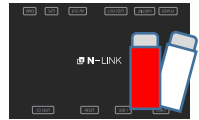
HDMI Extender
(For stick type HDMI device)

Full Installation Diagram

※ Optional External Devices



External Rear View Camera



Audio(AUX) Output of Navigation Box



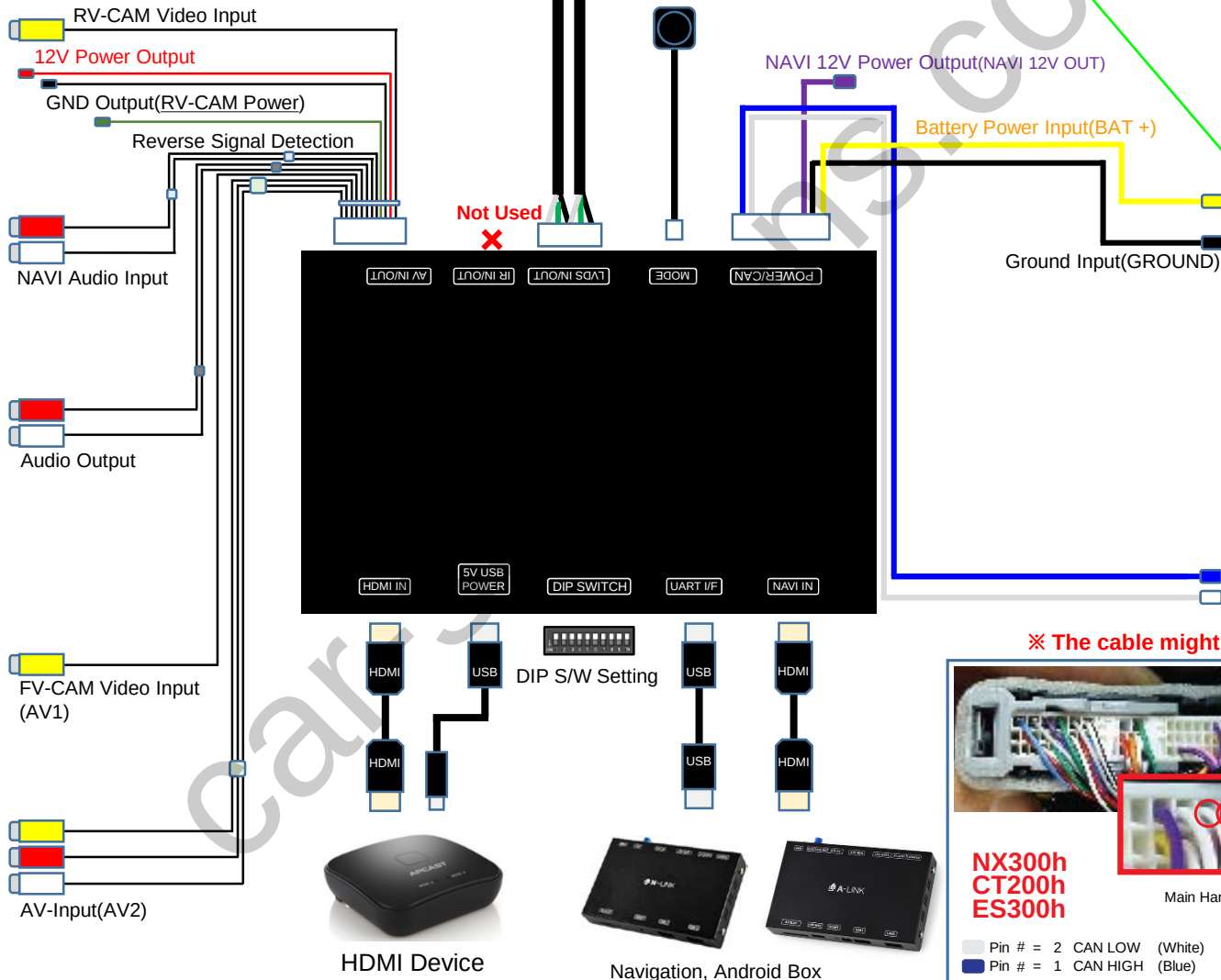
Auxiliary(AUX) Input of the car



External Front View Camera



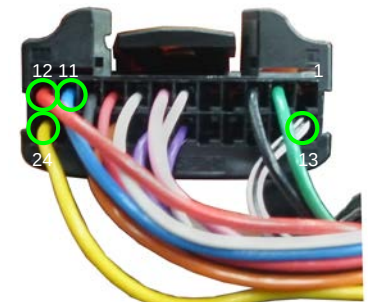
AV device
(ex: DTV Box, Divx)



The cable might be able to different color

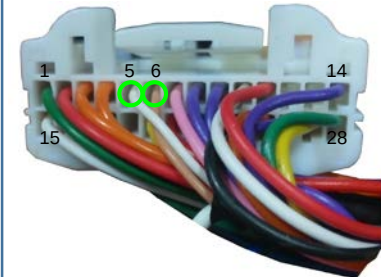
※ Cut the genuine No.11 wire(Blue)!

*24-Pin Connector
Pin # 11 = Blue Wire



*OEM Monitor – 24-Pin Connector

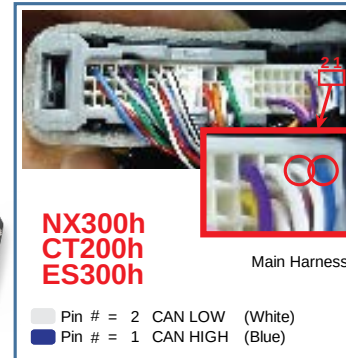
- Pin # 11 = 'Blue' Wire *Cut!!
- Pin # 12 = Battery Power(B+ / Red)
- Pin # 24 = ACC Power(Yellow)
- Pin # 13 = Ground(GND / White/Black)



*Head Unit(OEM) – 24-Pin Connector

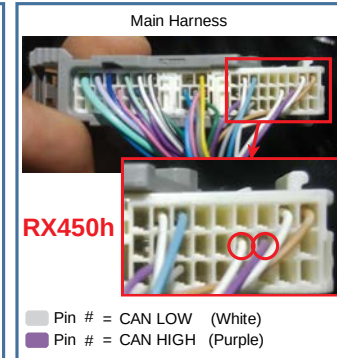
- Pin # 5 = CAN LOW (White)
- Pin # 6 = CAN HIGH (Light Brown)

※ The cable might be able to different color



NX300h
CT200h
ES300h

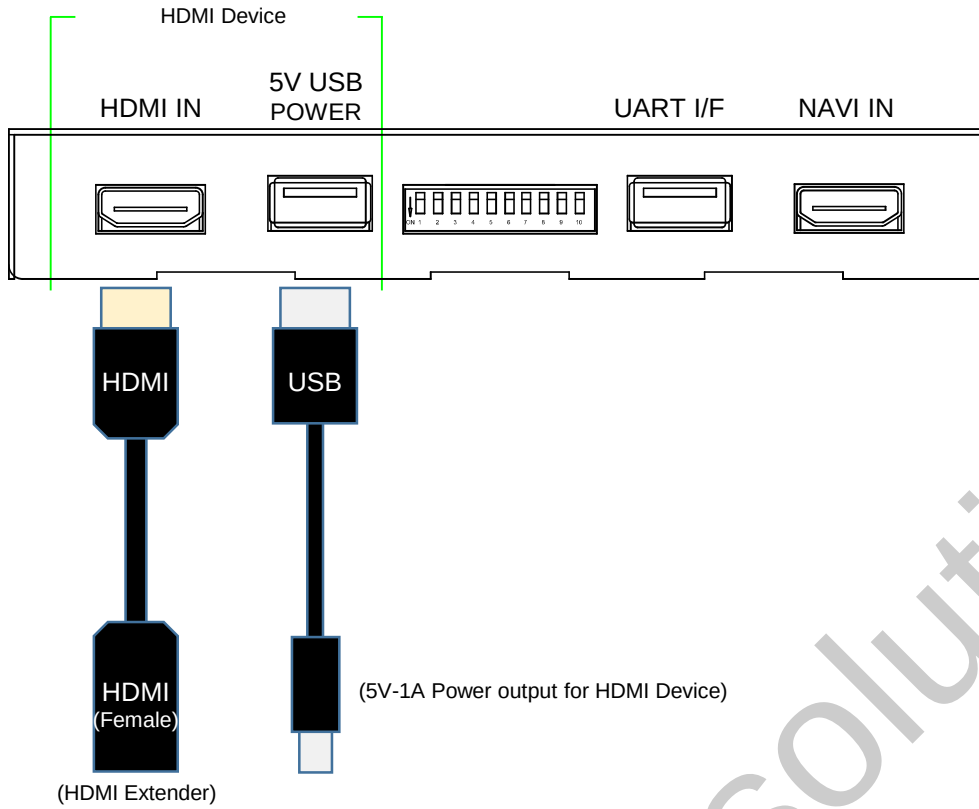
- Pin # = 2 CAN LOW (White)
- Pin # = 1 CAN HIGH (Blue)



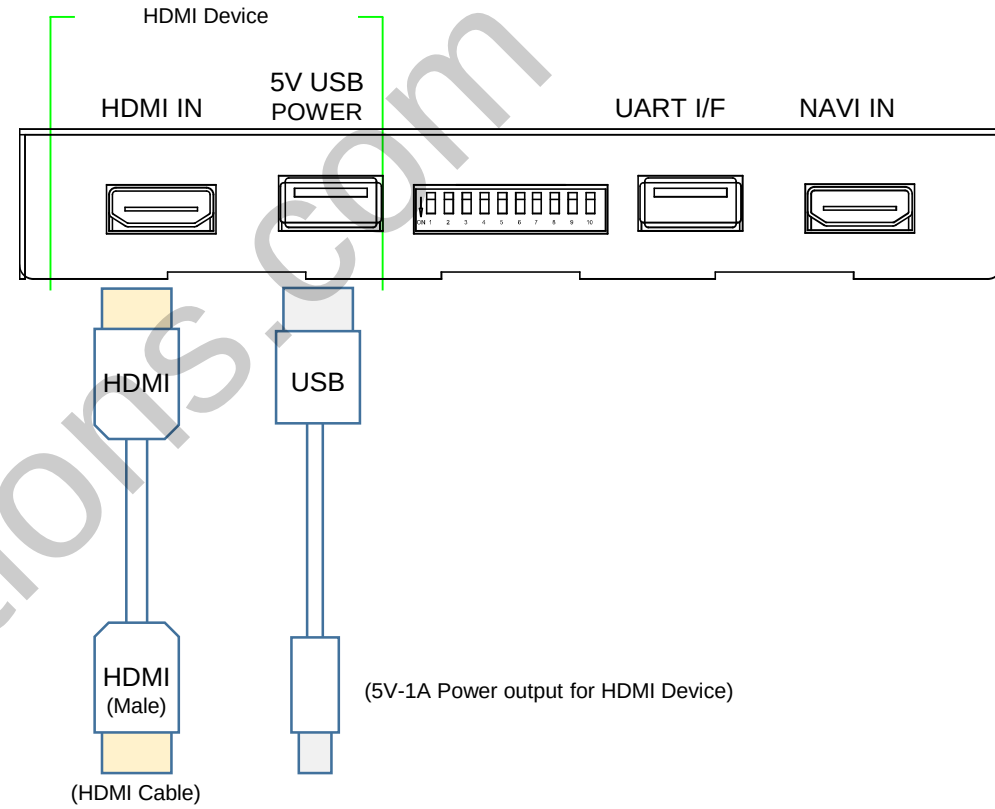
RX450h

- Pin # = CAN LOW (White)
- Pin # = CAN HIGH (Purple)

HDMI Connection Diagram



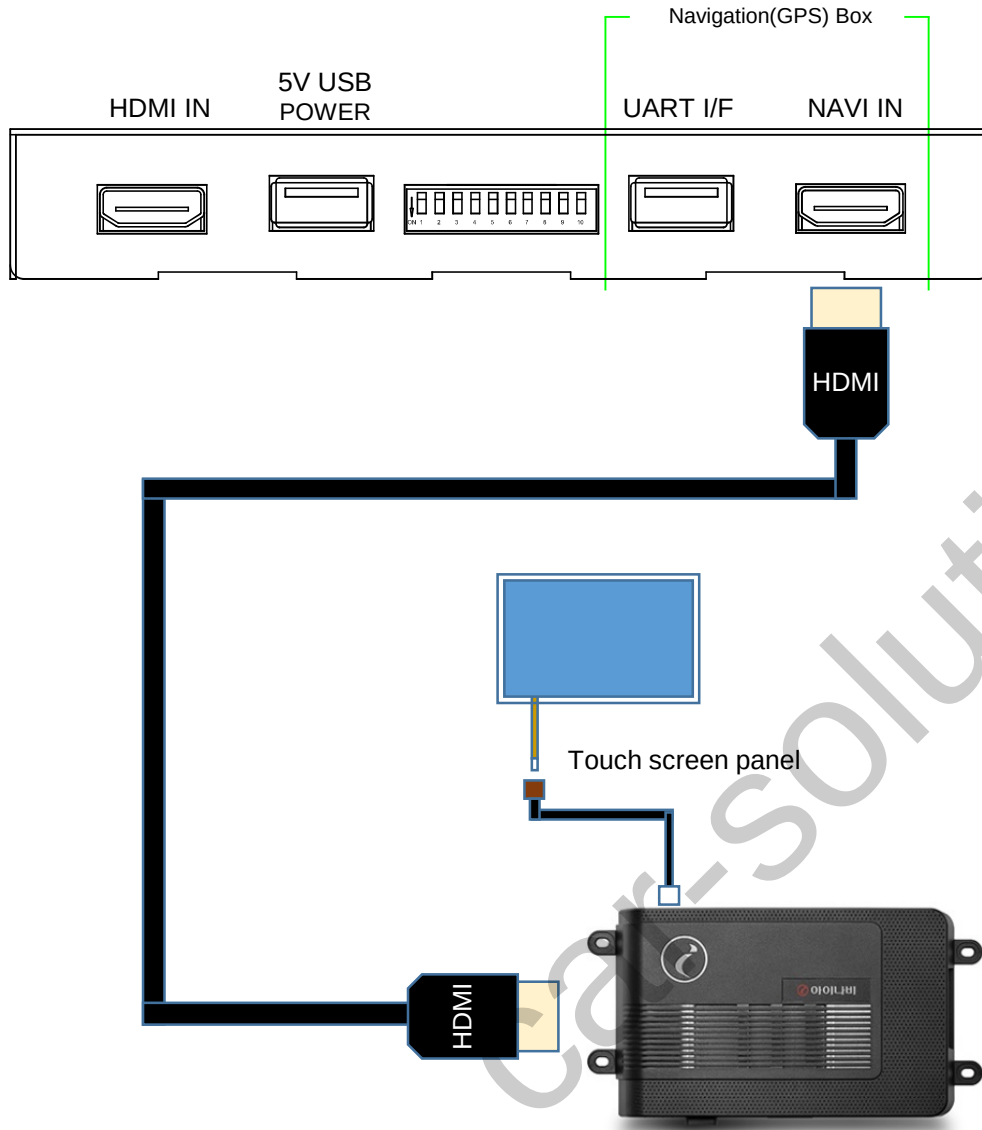
'Stick Type' HDMI Devices



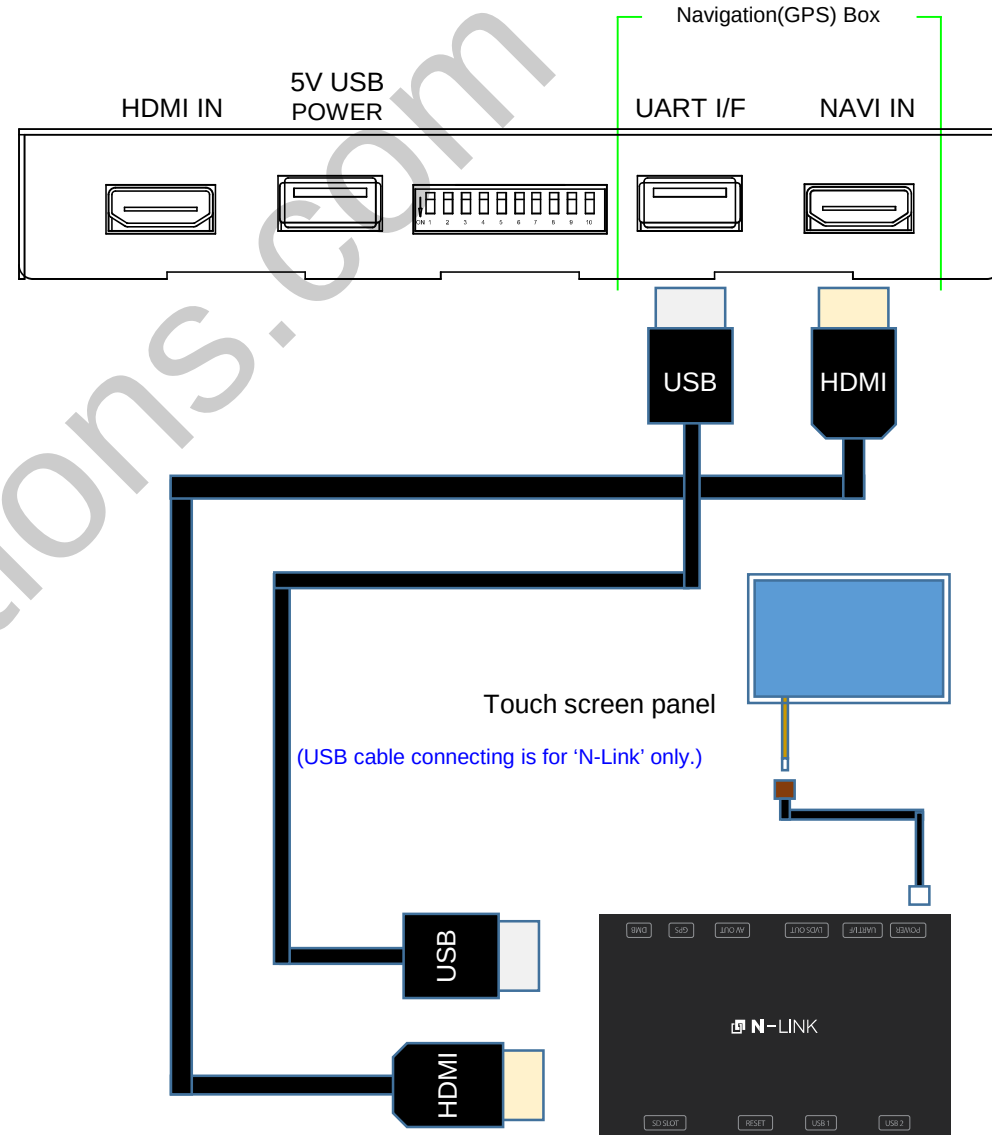
'Dongle & Adapter' Type HDMI Devices



Navigation Connection Diagram



Navigation Connection Diagram

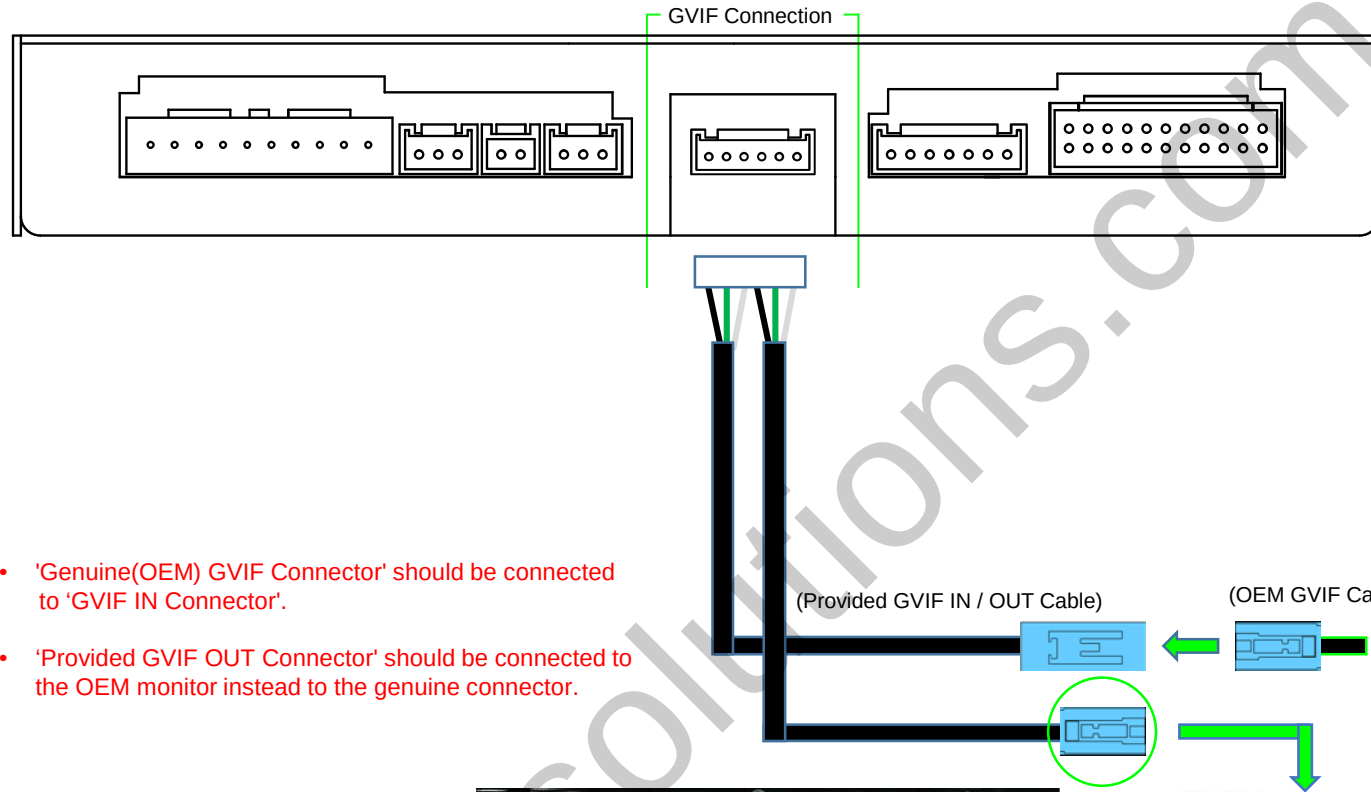


Compatibility Chart for Android box models

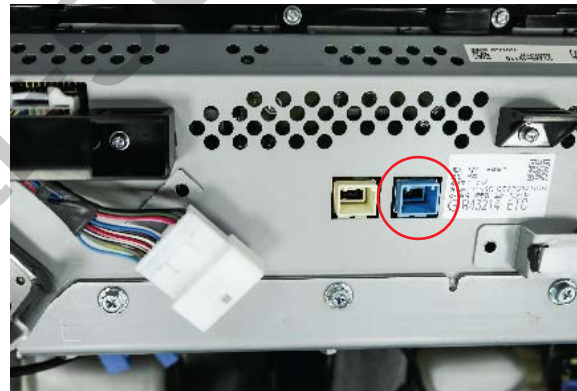
Model		Country	Dip S/W (Navigation)	Required Parts		
	MICROCITY Android	-	-	 HDMI Cable (HDMI to HDMI)	 USB A-A Cable (USB to USB)	

- This device supports navigation(GPS) box models equipped with 'Digital video output'.
 - It does not support the 'RGB video signals'.
- support@car-solutions.com

GVIF Connection Diagram

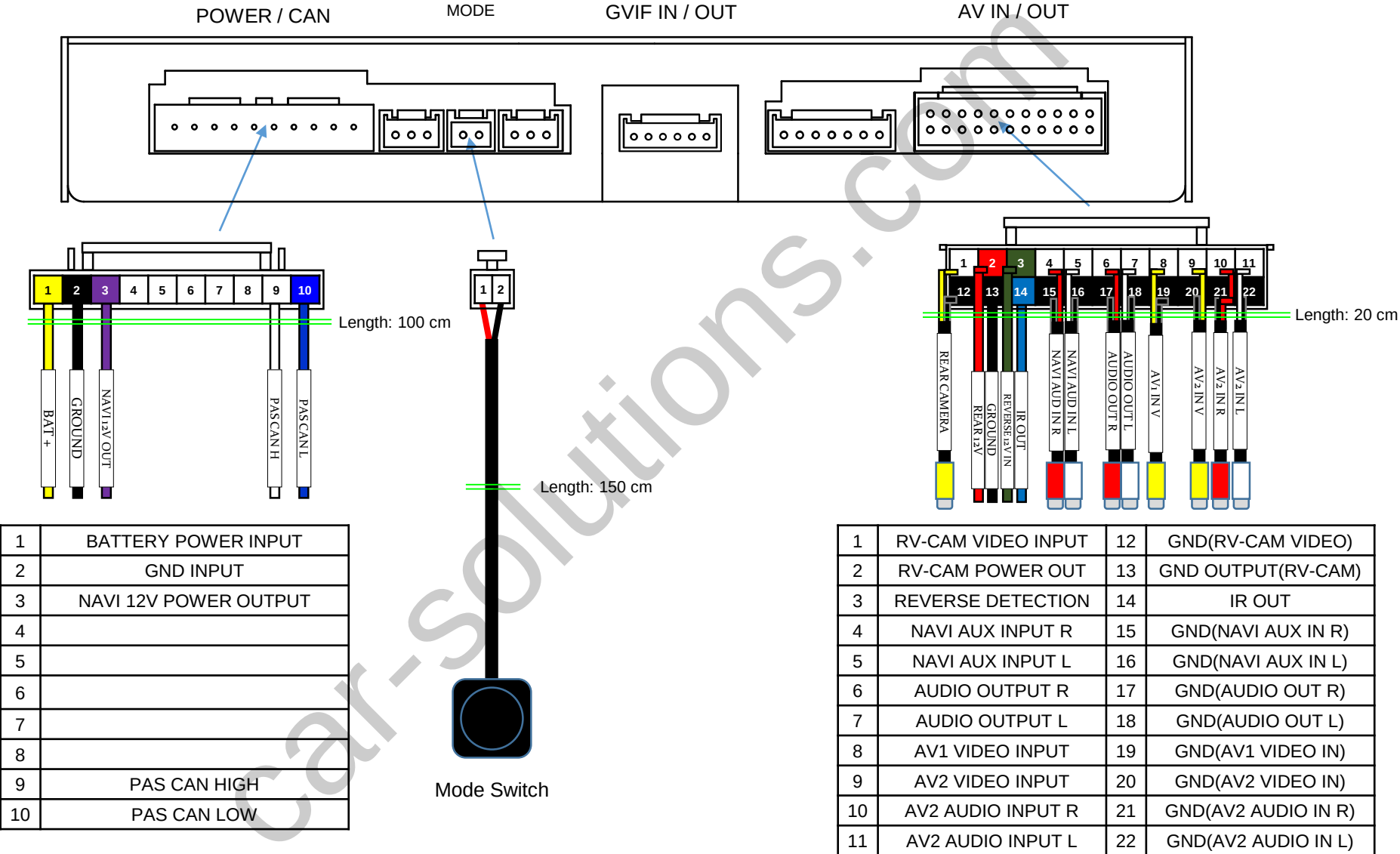


- 'Genuine(OEM) GVIF Connector' should be connected to 'GVIF IN Connector'.
- 'Provided GVIF OUT Connector' should be connected to the OEM monitor instead to the genuine connector.



Monitor(OEM)

Body Connector specifications



Car Compatibility Chart

Car Models	Production Year	Specific Models
ES 300h	2014 -	XV60
ES 350	2014 -	XV60
CT 200h	2011 -	A10
IS 250	2014 -	XE30
NX300h	2014 -	AZ10
RX450h	2015 -	AZ20



This device is used in combination with Lexus DISPLAY AUDIO SYSTEM.

- ES 300h PREMIUM (8-inch)
- ES 350 PREMIUM (8-inch)
- CT 200h SUPREME (7-inch)
- IS 250 PREMIUM (7-inch)



This device supports the Lexus original screen & Head unit equipped with 'GVIF connector' only. Please check the specification of original GVIF connector on the sidelines of a production year.

Activation by original buttons

※ RX450h Only



RX450h OEM Buttons

Button	Function	Operation	Remarks
 MAP	Changing Modes	Press the button 2 seconds long.	Order: OEM → HDMI → NAVI → AV1 → AV2
 MAP	Changing Modes	Press the button 2 times quickly	OEM → AV1 (Front View)
	Changing Modes	Press the button short.	Return to the OEM mode in any modes..

DIP Switch Settings



Pin No.	ON(▼)	OFF(▲)
1	HDMI Mode	Skip HDMI Mode
2	Navigation Mode	Skip Navigation Mode
3	External Rear View Camera	Original Rear View Camera
4	External Front View Camera(AV1 Mode)	Skip External Front View Camera(AV1 Mode)
5	AV2 Mode	Skip AV2 Mode
6	Disabled PGS LINE	USE PGS LINE
7	Selection of car model	
8		
9		
10		

No.7	No.8	No.9	No.10	Car Models
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ES 300h, CT200h, NX300h
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	IS 200T
OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	RX450h