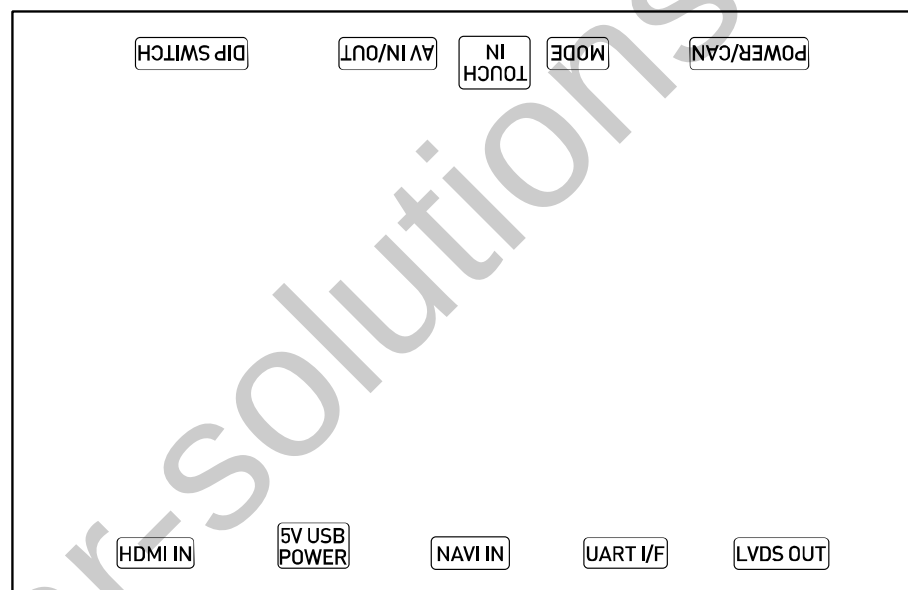


Instruction Manual

High-Definition Link for Lexus



Latest Firmware Date	2016 - 09 - 06
Manual Version	Rev. 3.9
Language	English

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Cautions

▪ Device 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(1080P / 1920*1080).
- 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.

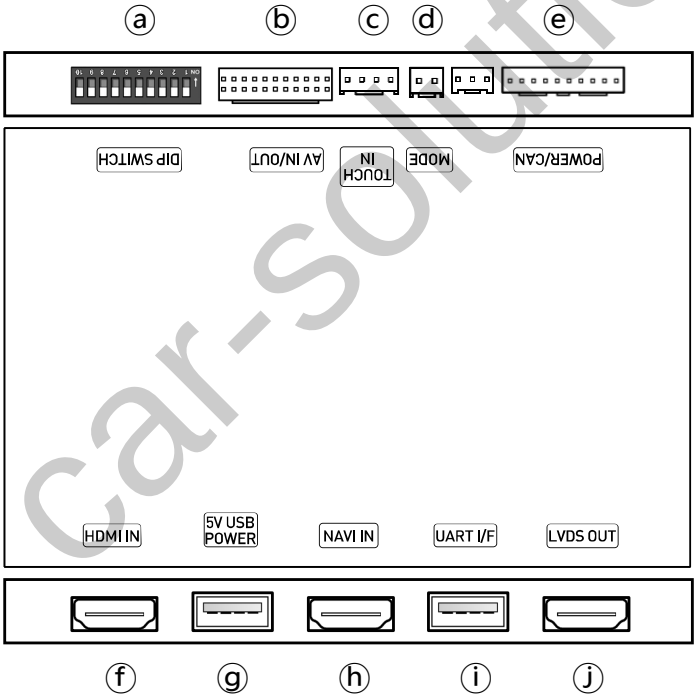
▪ Navigation(GPS) box-related

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

Dimension



Exterior



- (a) DIP SWITCH
- (b) AV IN / OUT
- (c) TOUCH IN (Not Used)
- (d) MODE
- (e) POWER / CAN
- (f) HDMI IN
- (g) 5V USB POWER
- (h) NAVI IN
- (i) UART I/F
- (j) LVDS OUT

Components



POWER / CAN Cable



GVIF-IN Cable



GVIF-OUT Cable



GVIF PCB



HDMI Cable
(For GVIF)



AV IN / OUT Cable



5-Pin Micro USB Cable

Optional Parts (sold separately)



HDMI Cable
(Male to Male)



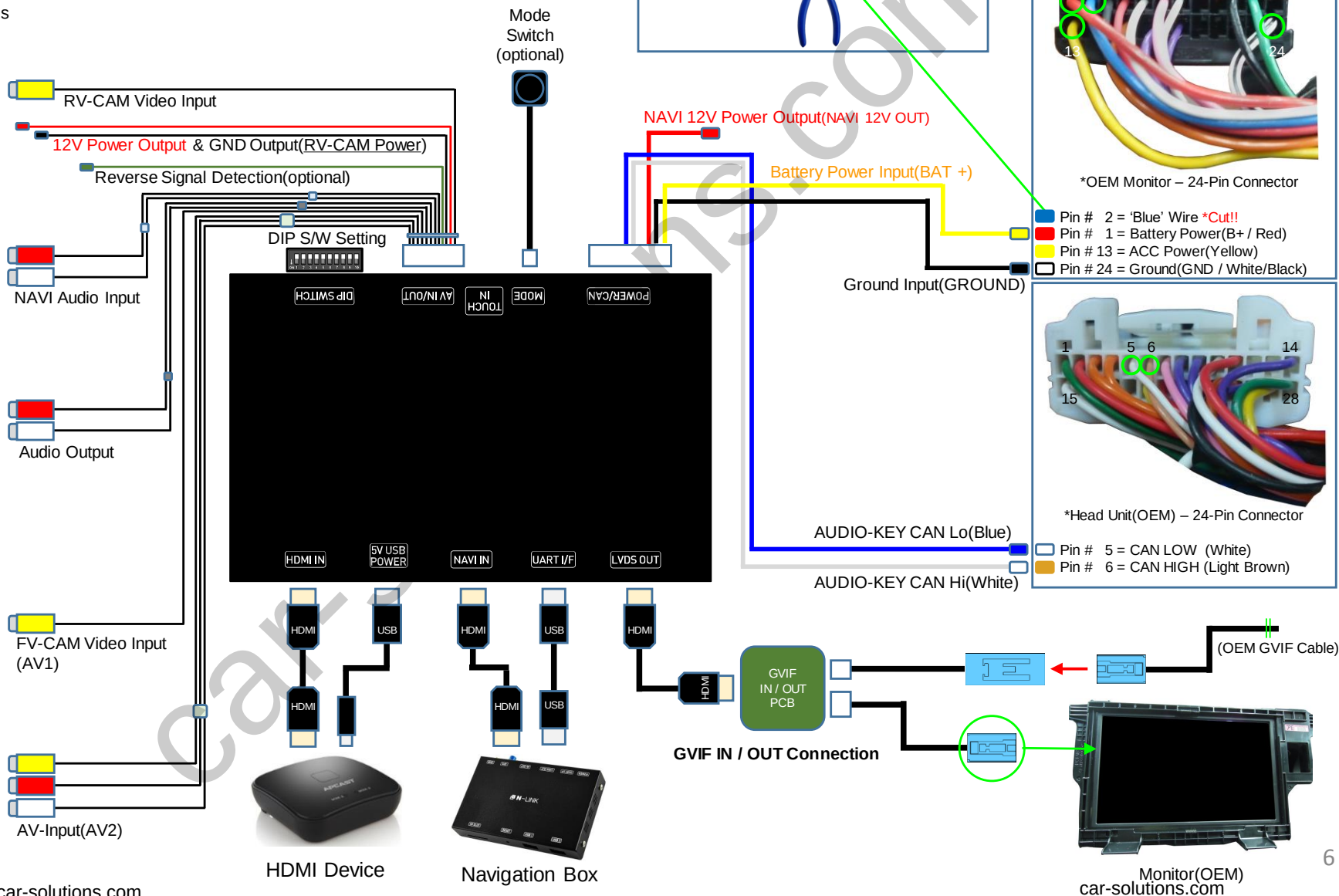
HDMI Extender
(For stick type HDMI device)



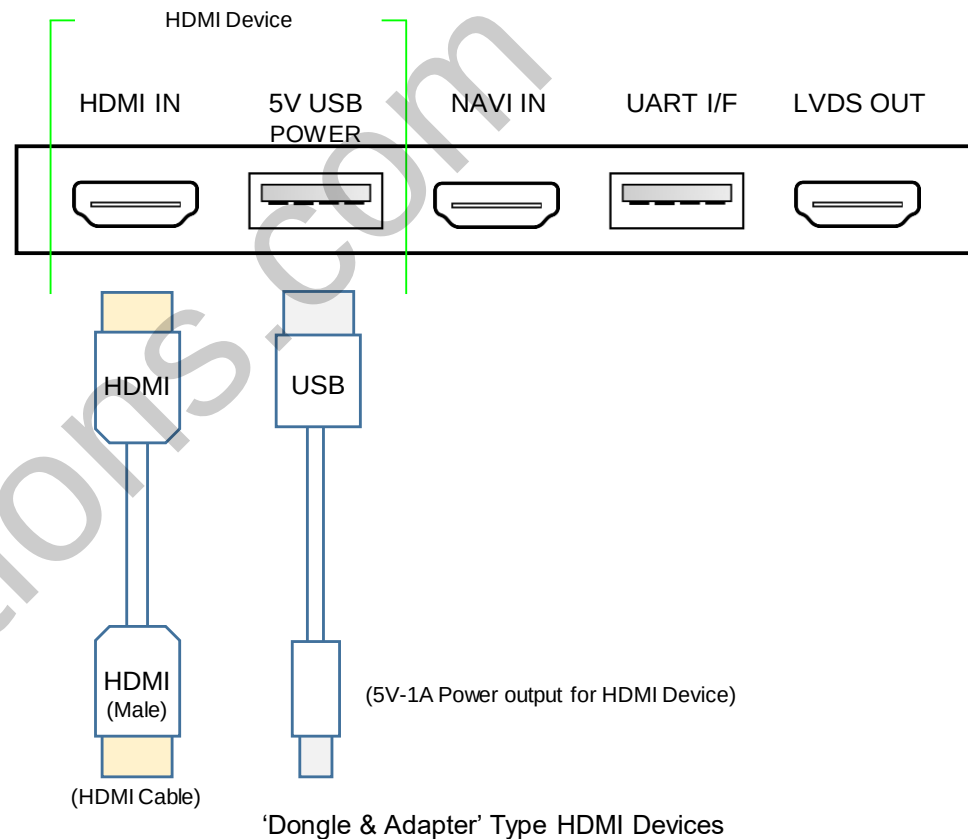
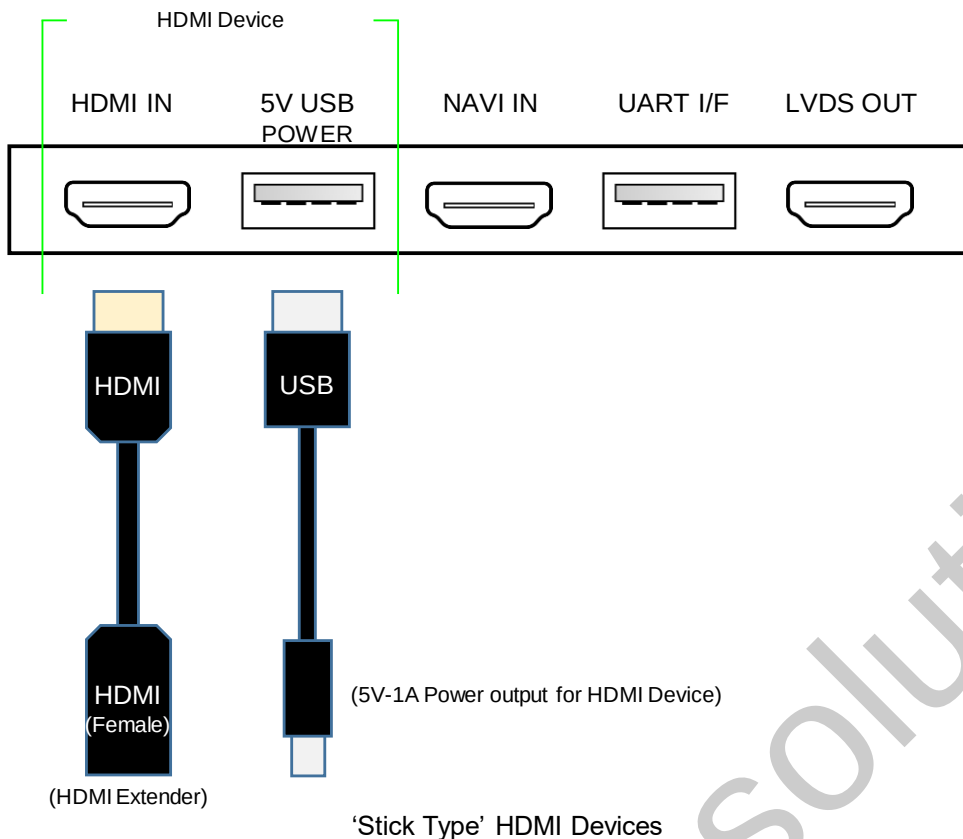
Mode Switch

Full Installation Diagram

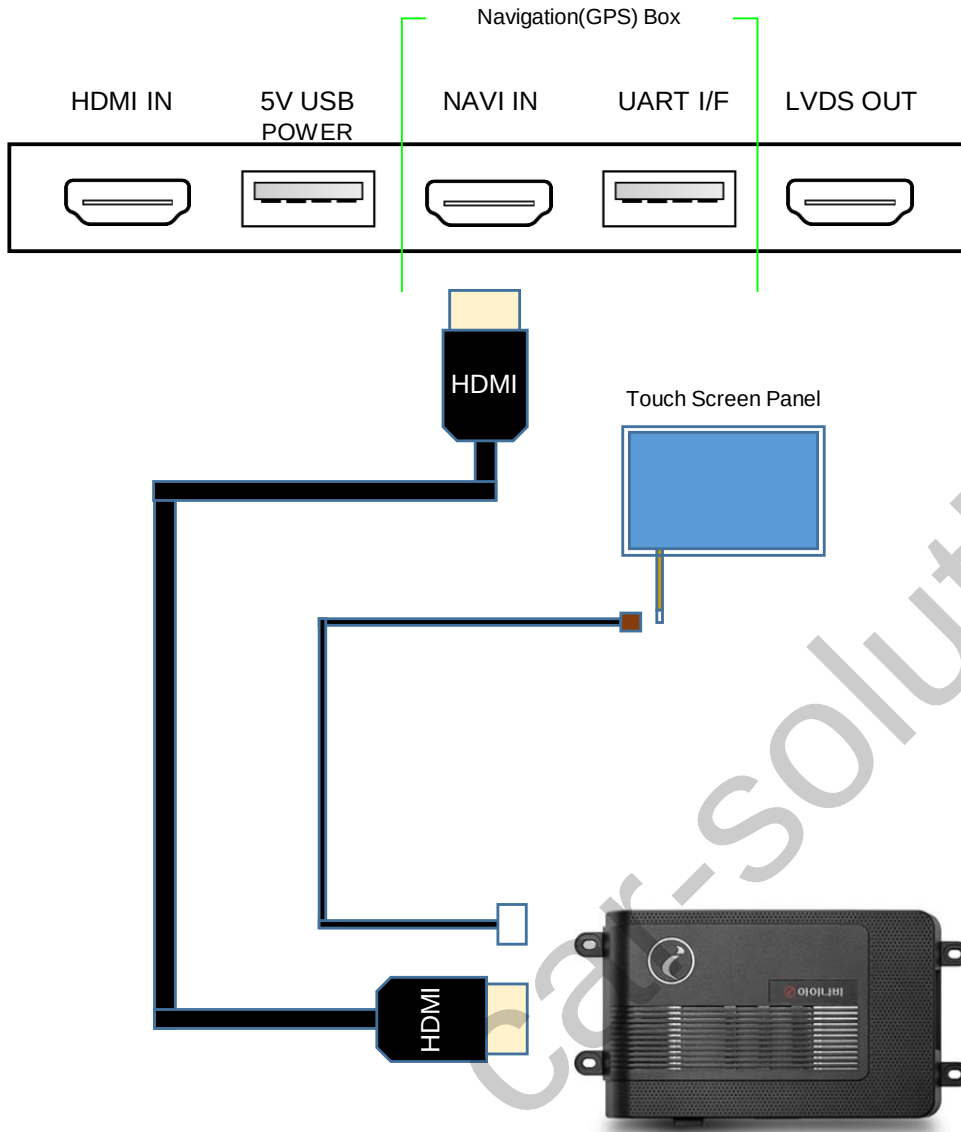
※ Optional External Devices



HDMI Connection Diagram

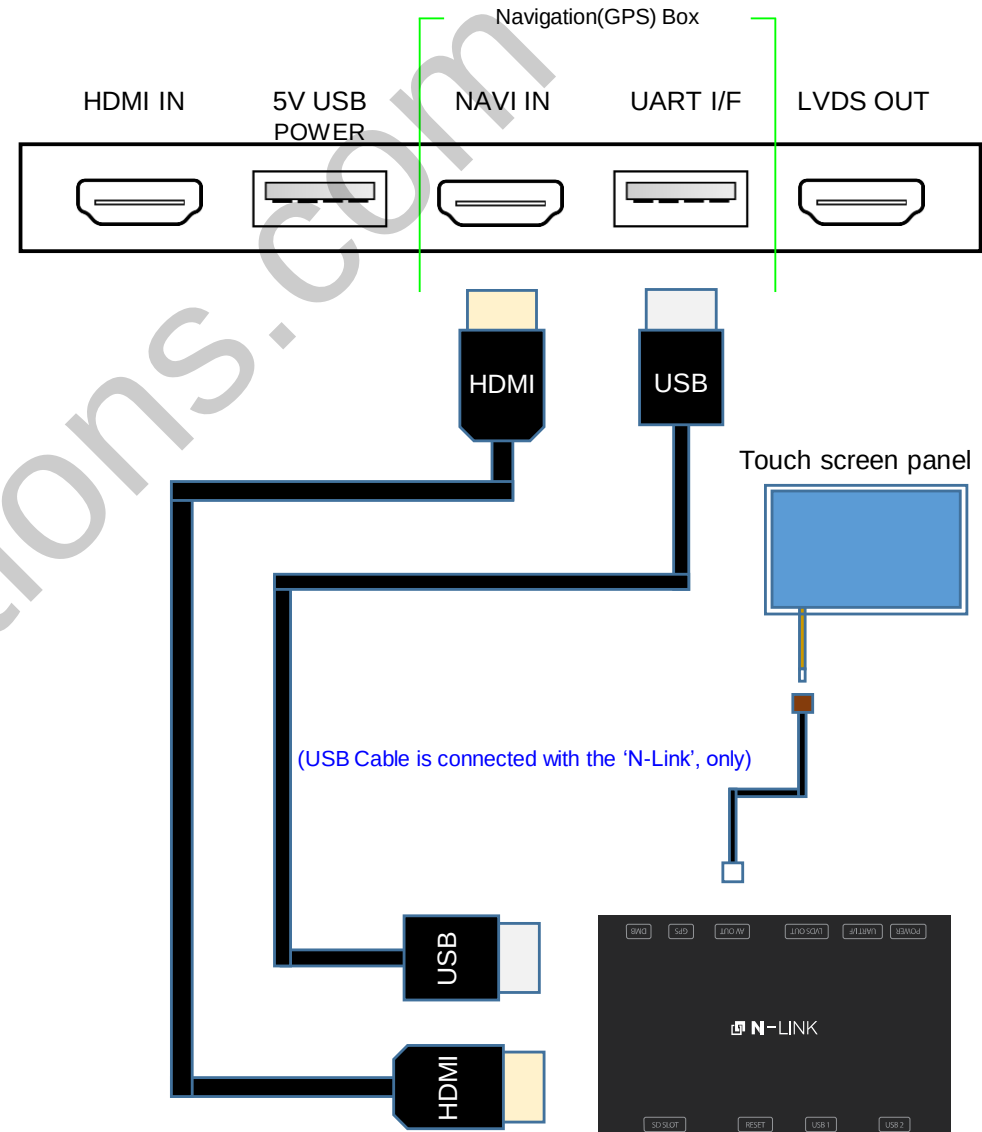


Navigation Connection Diagram(Type B)



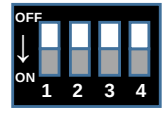
support@car-solutions.com

I-NAVI X1 CUBE



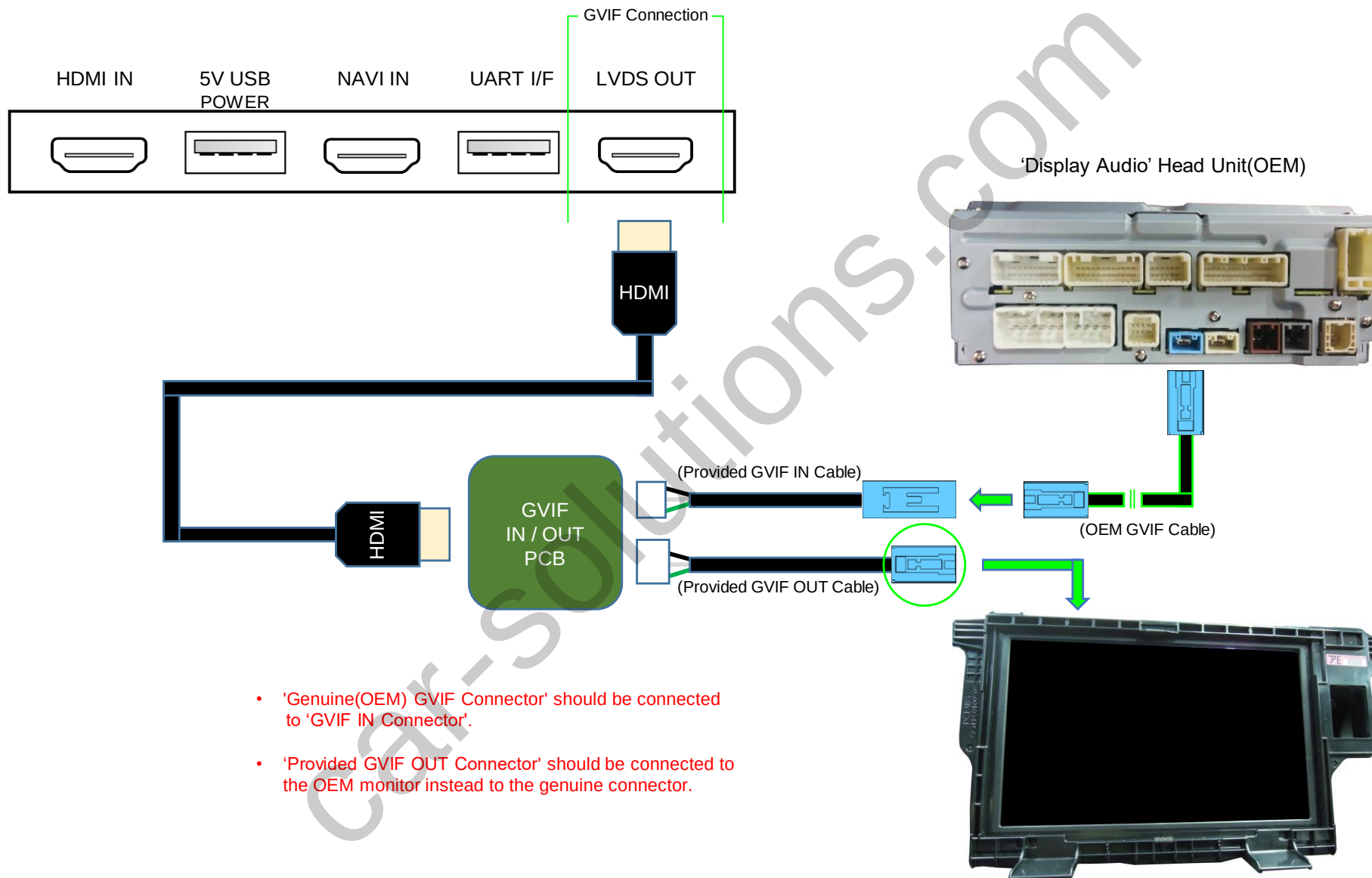
MICROCITY - N-Link
car-solutions.com

Compatibility Chart for Navigation(GPS) box models

Model		Country	Dip S/W (Navigation)	Required Parts	
	MICROCITY N-Link	South Korea	-	 HDMI Cable (HDMI to HDMI)	 USB A-A Cable (USB to USB)
	MYVI MS1400 Digital	South Korea	 OFF(↓): 1, 2, 3 ON(↑) : 4	 HDMI Cable (HDMI to HDMI)	
	iNAVI X1 CUBE	South Korea	 OFF(↓): 1, 2, 3, 4	 HDMI Cable (HDMI to HDMI)	

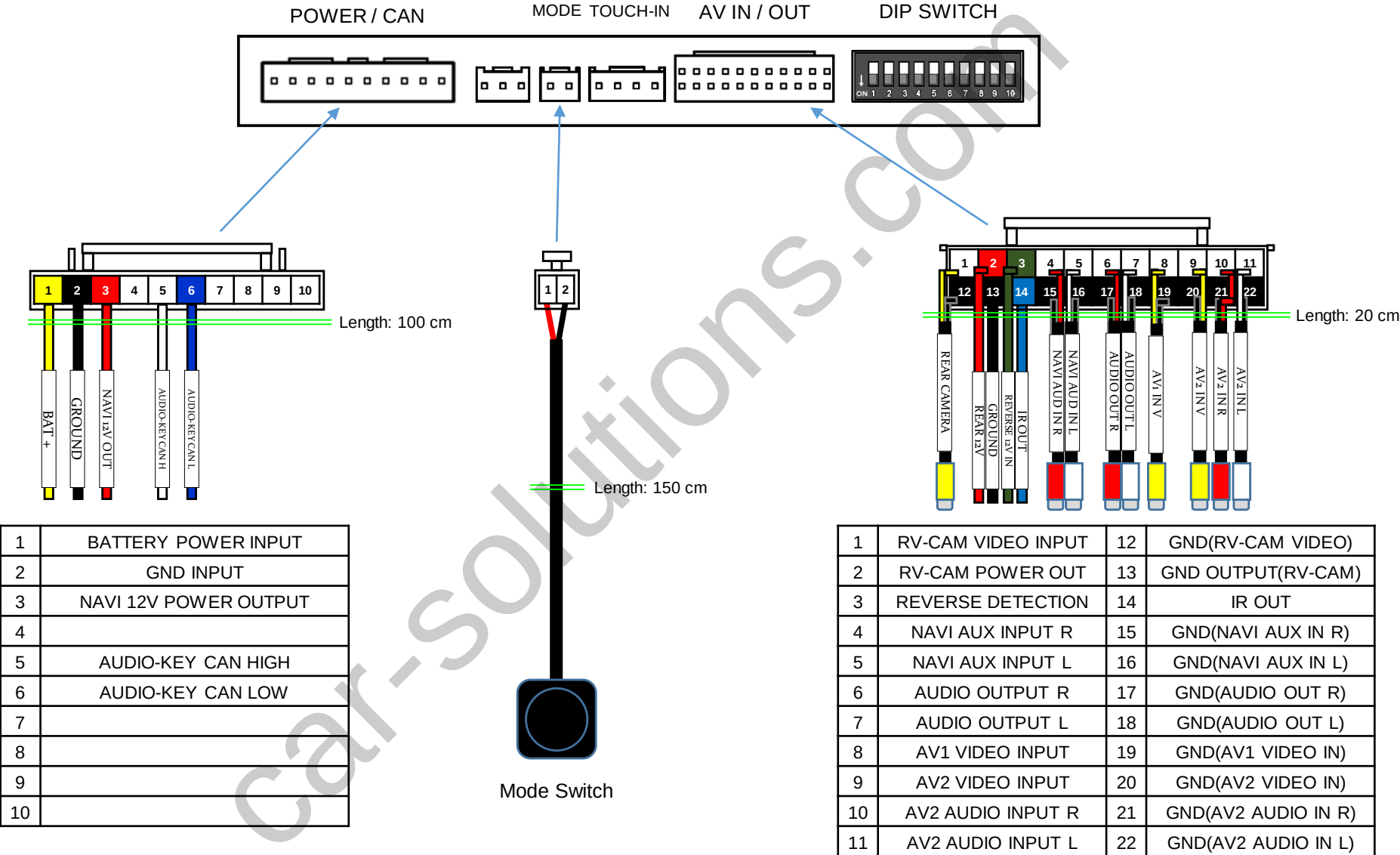
- The device supports navigation(GPS) box models equipped with 'Digital video output'.
- It does not support the 'RGB video signals'.

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.

Body Connector specifications



Car Compatibility Chart

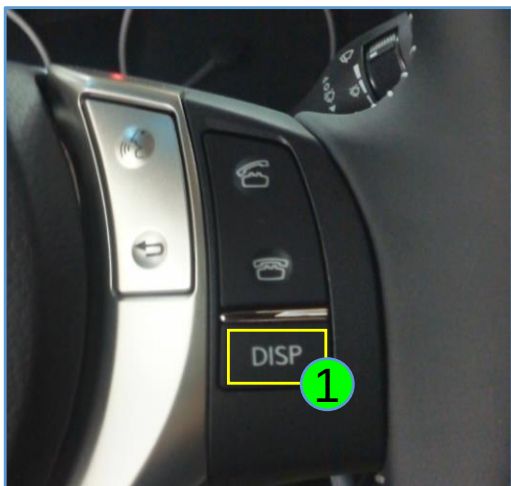
[illegible]

The 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)

The 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



Steering wheel buttons

Button	Function	Operation	Remarks
1 DISP	Changing Modes	Press the button 2 seconds long.	Order: HDMI → NAVI → AV1 → AV2 → OEM
1 DISP	Shortcut to Each Modes	Press the button 2 times quickly. < OEM → NAVI >	
		Press the button 3 times quickly. < OEM → AV1 >	
		Press the button 4 times quickly. < OEM → AV2 >	
1 DISP	Back to OEM	Press the button short.	Return to the OEM mode in any modes..
1 DISP	Reset to factory default setting and power.	Press the button 10 seconds long.	You can use this function when you get in trouble to see the screen while setting the screen.
※ Not available the setting mode on Lexus vehicles.			

※ IS 250: Unable to use the OEM button / Please use the 'Mode Switch'

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	PAS LINE OFF	PAS LINE ON
7	Selection of car model	
8		
9		
10		

No.6	No.7	No.8	No.9	No.10	Car Models
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ES 300h, CT 200h, IS 250
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	ES 300h (HDMI screen blinking resolved)
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	2011 CT 200h (7 inch / 800*480)
OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	OFF(▲)	2016~ ES300h (Pioneer LCD)