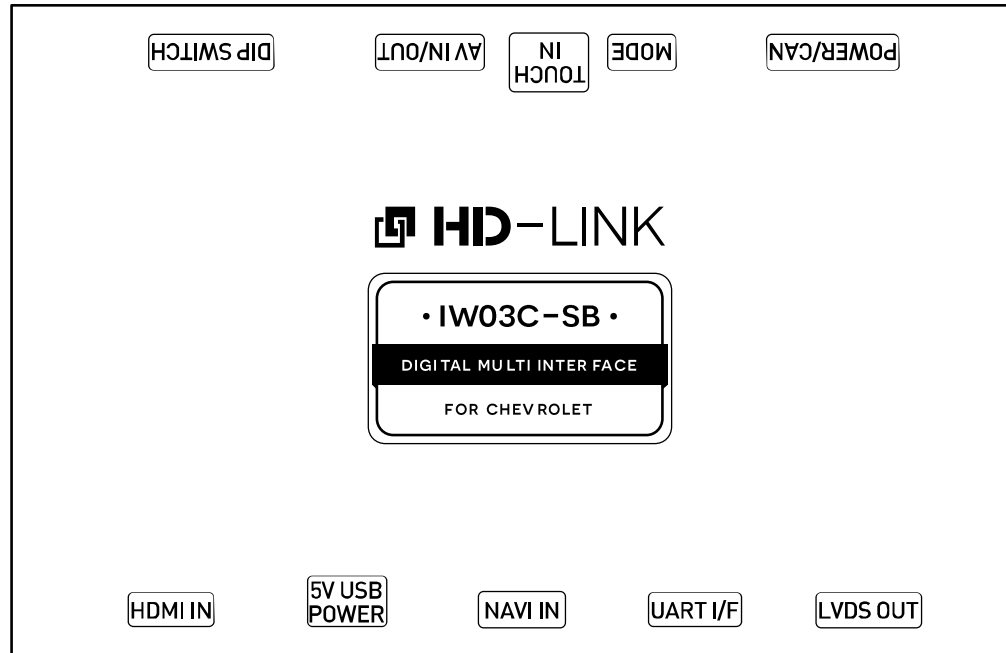


Instruction Manual

High-Definition Link for Chevrolet(GM) IW03C-SB



Model Name	IW03C-SB
Latest Firmware Date	2018 - 06 - 22
Manual Version	Rev. 2.3
Language	English

Contents

• Cautions	3
• Dimension & Exterior	4
• Components & Optional parts	5
• Full Installation Diagram 「STINGRAY」	6
• Full Installation Diagram 「IMPALA, 2016 MALIBU, EQUINOX 」	7
• Full Installation Diagram 「SUBURBAN, 2016 GMC CANYON」	8
• HDMI Connection Diagram	11
• Navigation Connection Diagram	12
• Compatibility Chart for Navigation(GPS) box models	13
• LVDS Connection Diagram	14
• Hazard Module Connection Diagram	15
• Body Connector Specifications	16
• Car Compatibility Chart	17
• Activation by original buttons of 「STINGRAY」	18
• Activation by original buttons of 「IMPALA, 2016 MALIBU, EQUINOX 」	19
• DIP Switch Settings	20
• Settings	
1. Enter into the setting menu	21
2. HDMI mode settings	22
3. NAVI mode settings	22
4. Rear view camera settings	23
5. AV1(Front view camera) settings	23
6. Automatic activation function(AV1)	24
7. AV2 settings	24
8. System settings	25
9. System information	25
10. Information of Dip switch settings	26

Cautions

▪ IW03C-SB-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.

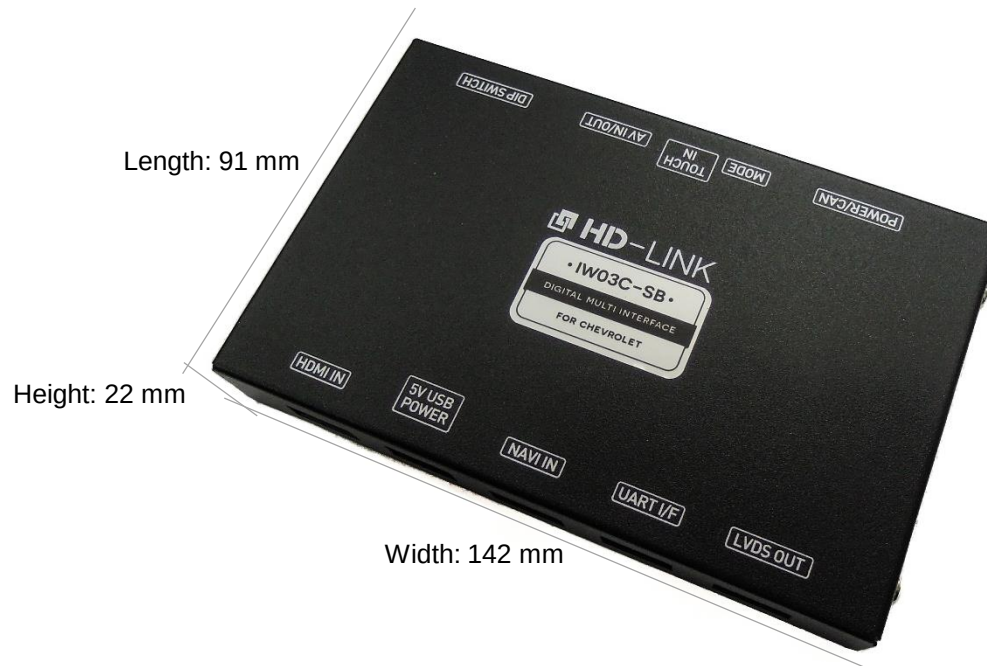
▪ HDMI device-related

- If screen size of HDMI does not fit on the monitor, should adjust screen size & position in 'settings mode'.
- 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.

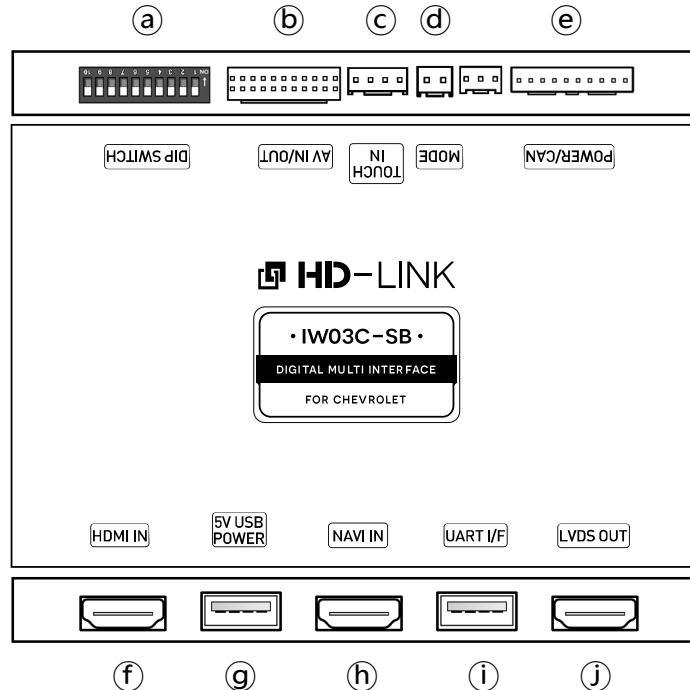
▪ Navigation(GPS) box-related

- When you connect the power wires(B+, ACC) to the navigation(GPS) box,
the 'NAVI (12V) OUT' wire supported by IW03C-SB should be spliced with an ACC wire of navigation box.
- After installation is done, select an applicable navigation(GPS) box model in the 'Navigation model selection menu' of setting mode.
- The navigation box should be powered off before unplugging the HDMI cable.

Dimension



Exterior



- (a) DIP SWITCH
- (b) AV IN / OUT
- (c) TOUCH IN (Connect To Set top Device)
- (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



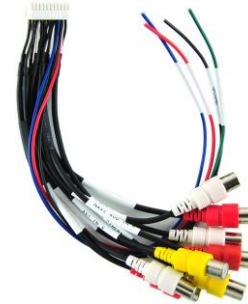
LVDS CABLE



LVDS PCB
※ Sub board Compatibility
Please refer to page14



HDMI Cable
(FOR LVDS)



AV IN / OUT CABLE



5-pin Micro USB Cable

Optional Parts(sold separately at the indiwork)



Mode Switch



HDMI Extender
(For stick type HDMI device)

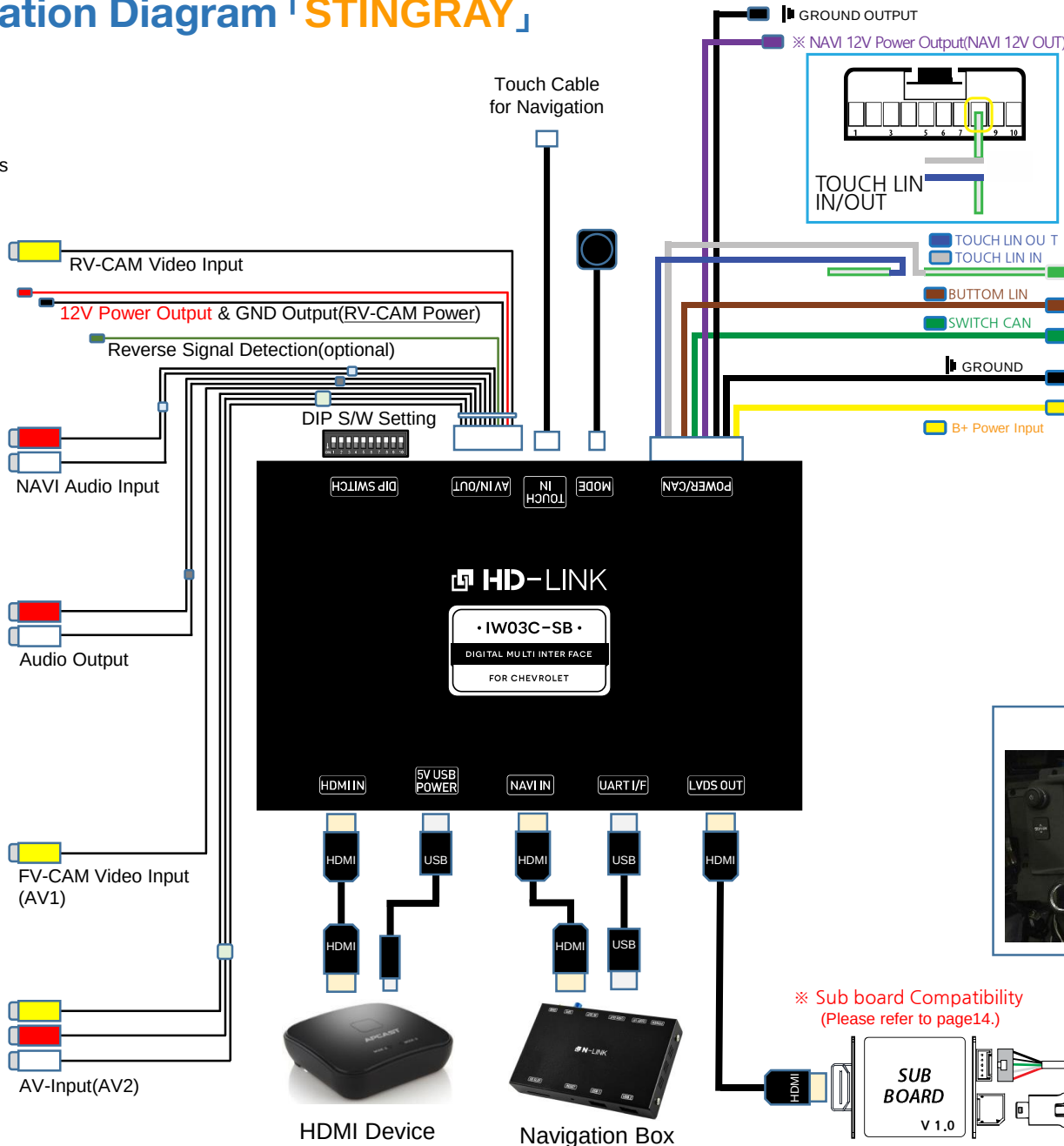
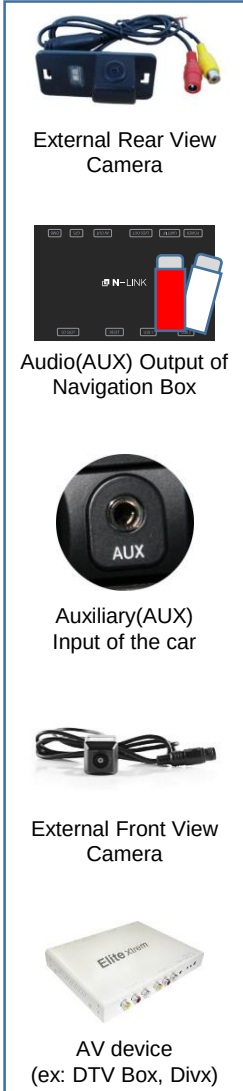


LVDS CABLE

- Suburban
- 2016 GMC Canyon

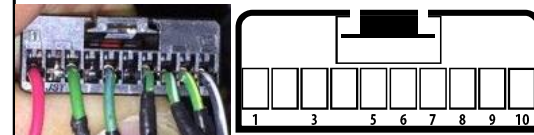
Full Installation Diagram 「STINGRAY」

※ Optional External Devices



Corvette Stingray MY-LINK

Head Unit - 10pin Connector



- PIN # 8 = TOUCH LIN (Green/White)
- PIN # 5 = BUTTON LIN (Green/Skyblue)
- PIN # 3 = SWITCH CAN (Green)
- PIN # 10 = GND (Black/White)
- PIN # 1 = B+ POWER (Red/ Yellow)

Corvette Stingray MY-LINK



※ Sub board Compatibility
(Please refer to page14.)

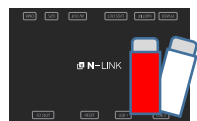
Full Installation Diagram 「IMPALA, 2016 MALIBU, EQUINOX」

「Camaro, Volt」

※ Optional External Devices



External Rear View Camera



Audio(AUX) Output of Navigation Box



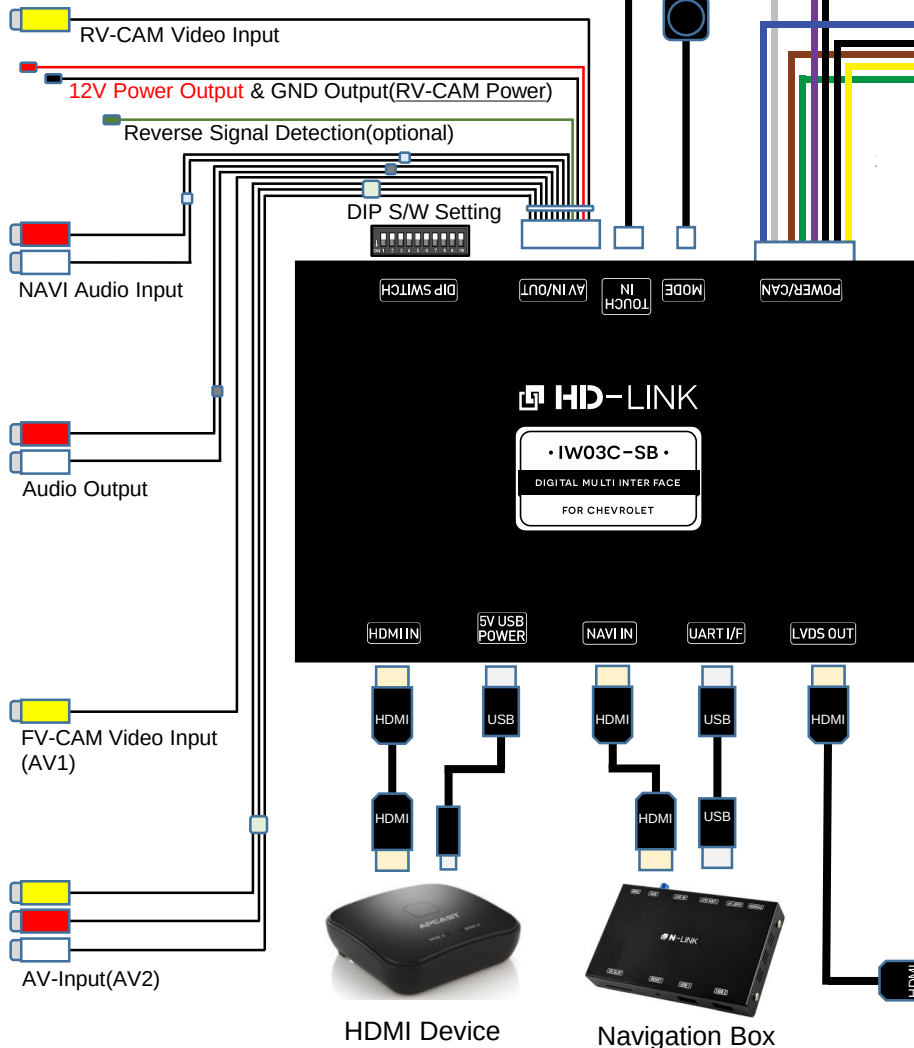
Auxiliary(AUX) Input of the car



External Front View Camera



AV device
(ex: DTV Box, Divx)

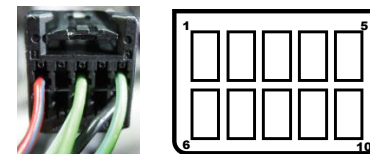


GROUND OUTPUT
※ NAVI 12V Power Output (NAVI 12V OUT)

OEM Monitor Cable

Chevrolet Impala, Malibu MY-LINK

Head Unit - 10pin Connector

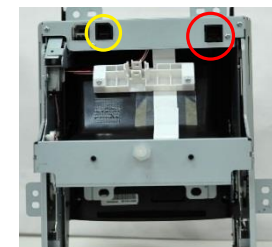


- PIN # 8 = TOUCH LIN (Green/White)
- PIN # 5 = BUTTOM LIN (Green/Skyblue)
- PIN # 3 = SWITCH CAN (Green)
- PIN # 10 = GND (Black/White)
- PIN # 1 = B+ POWER (Red/Yellow)

Chevrolet MY-LINK LVDS & Main Harness

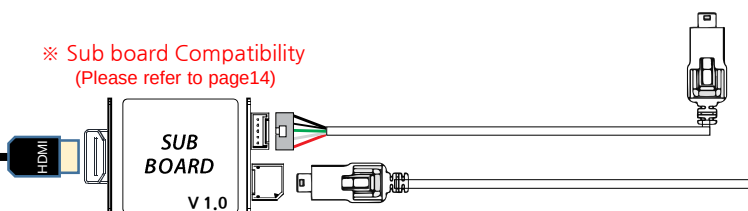


Malibu



Impala

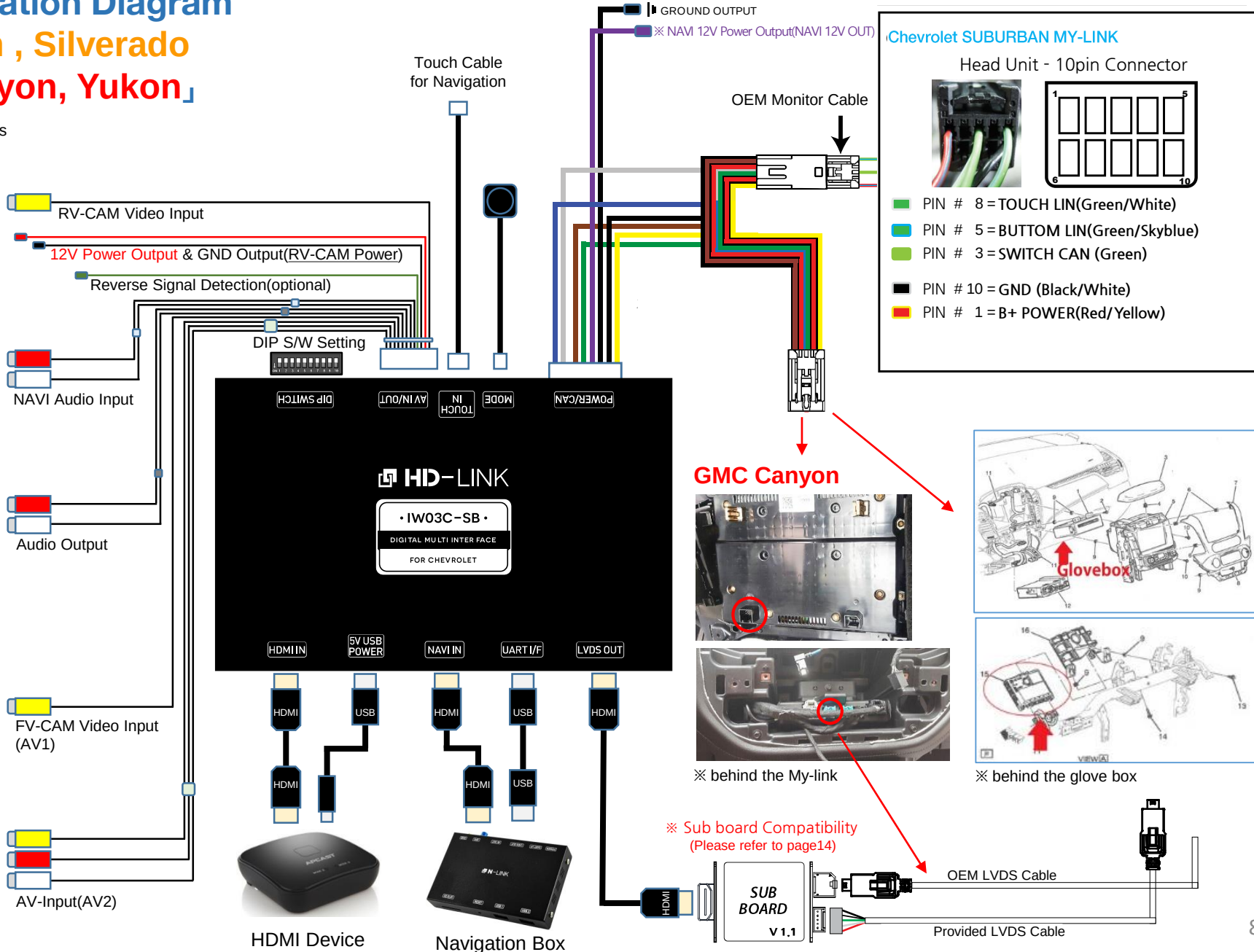
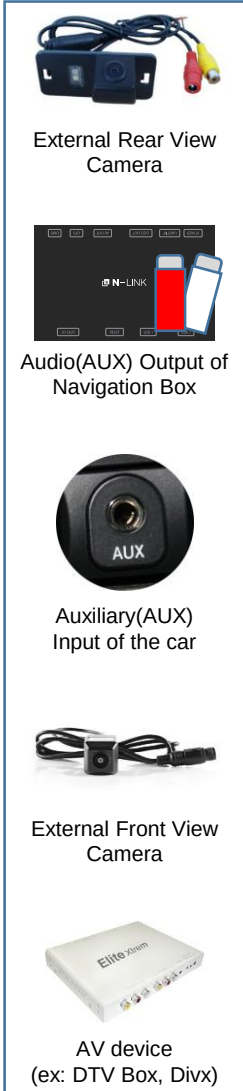
※ Sub board Compatibility
(Please refer to page14)



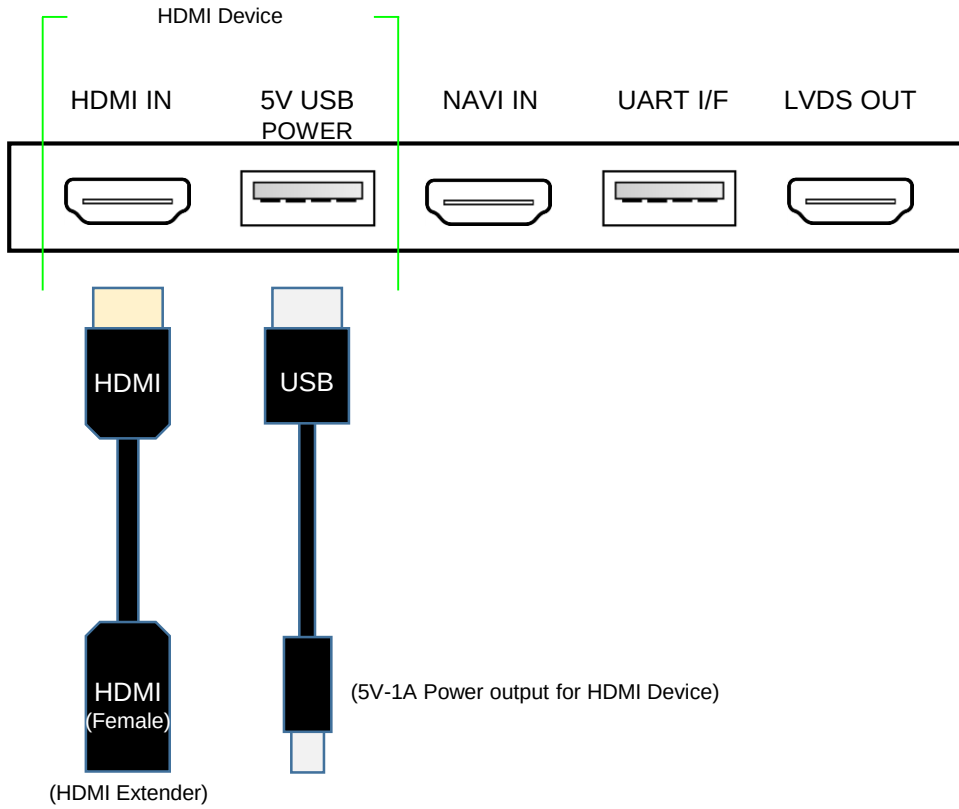
Full Installation Diagram

「Suburban, Silverado GMC Canyon, Yukon」

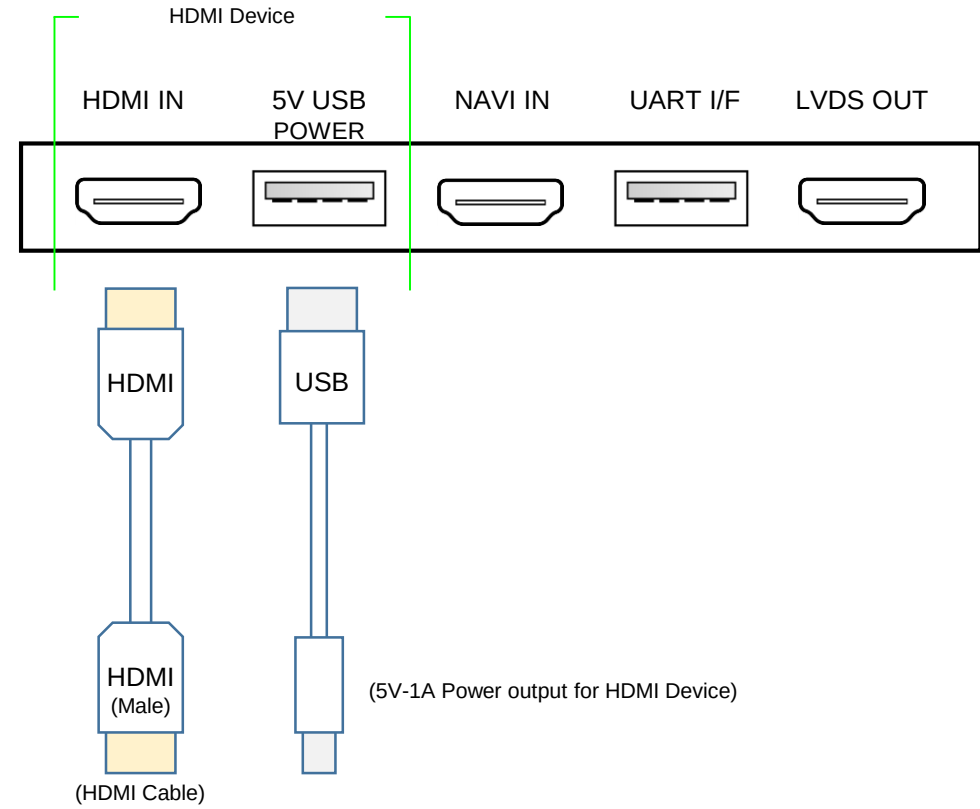
※ Optional External Devices



HDMI Connection Diagram



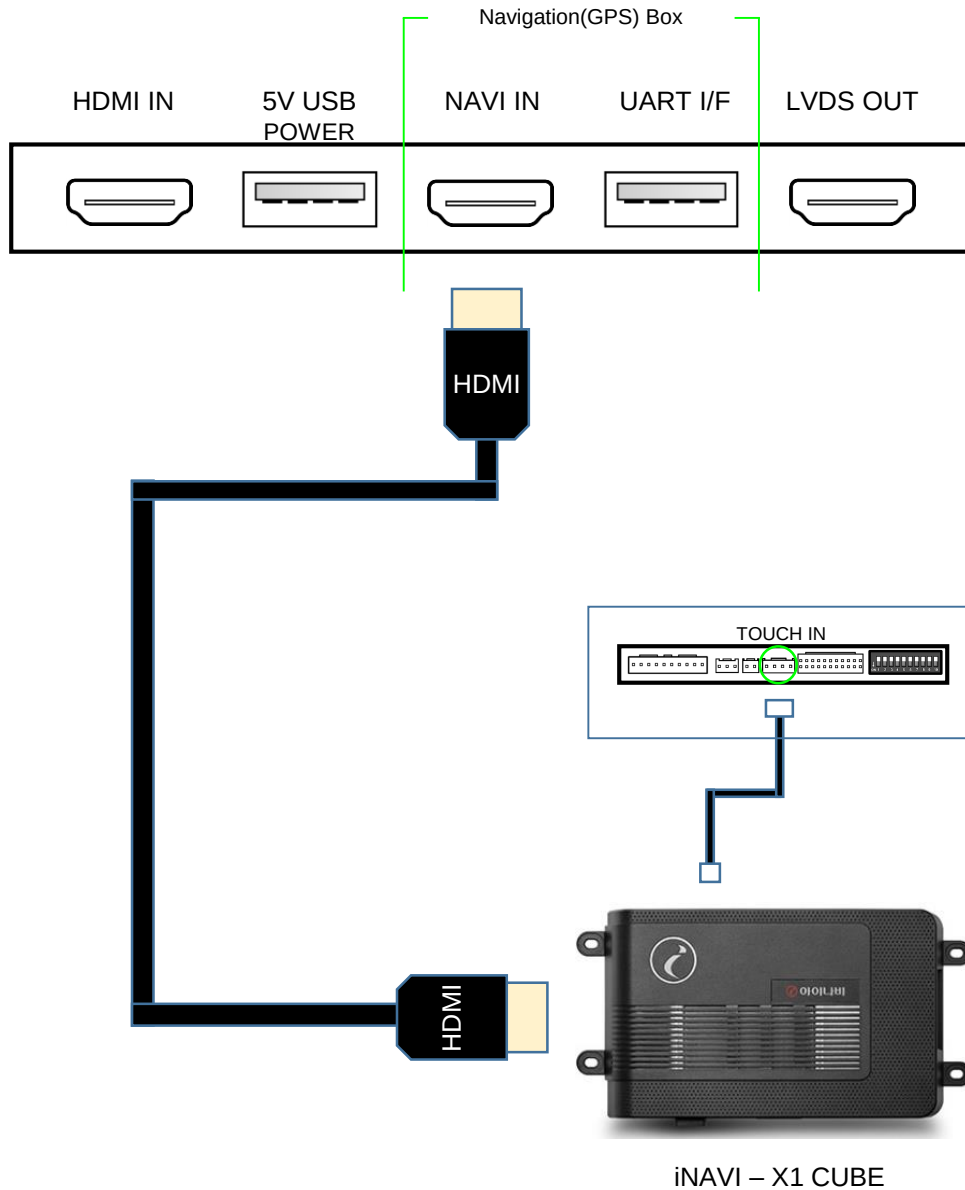
'Stick Type' HDMI Devices



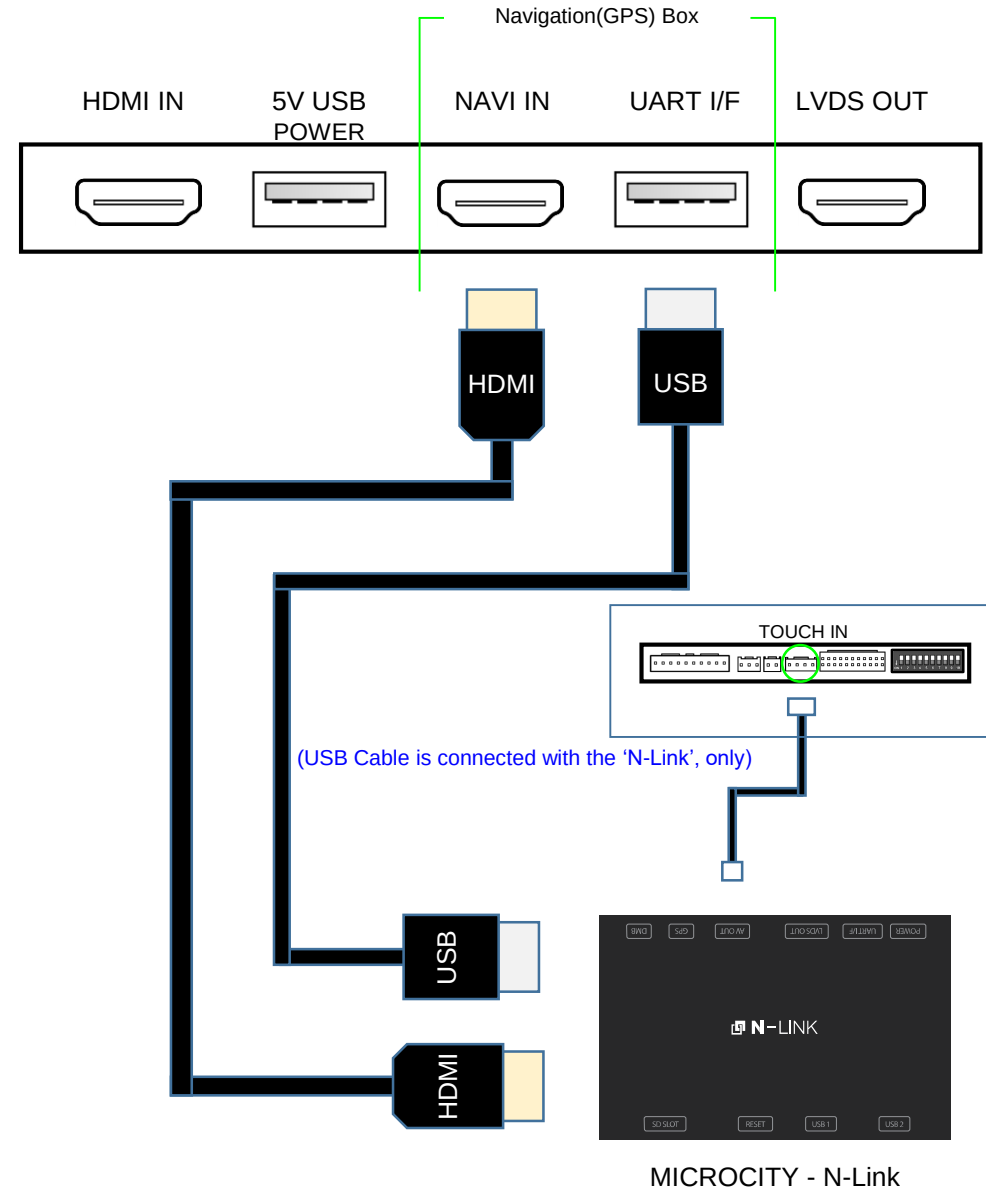
'Dongle & Adapter' Type HDMI Devices



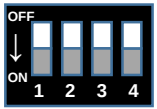
Navigation Connection Diagram



Navigation Connection Diagram

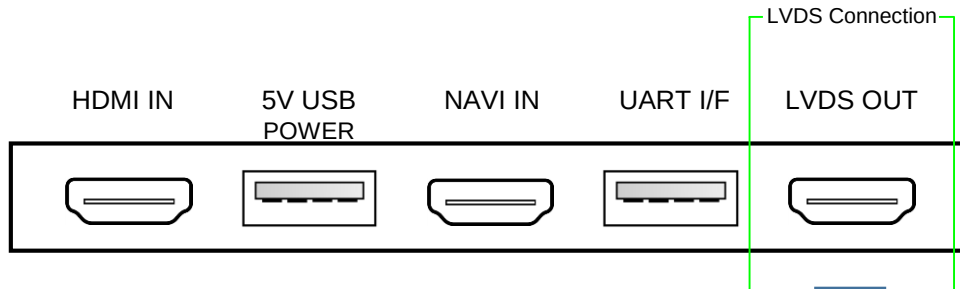


Compatibility Chart for Navigation(GPS) box models

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

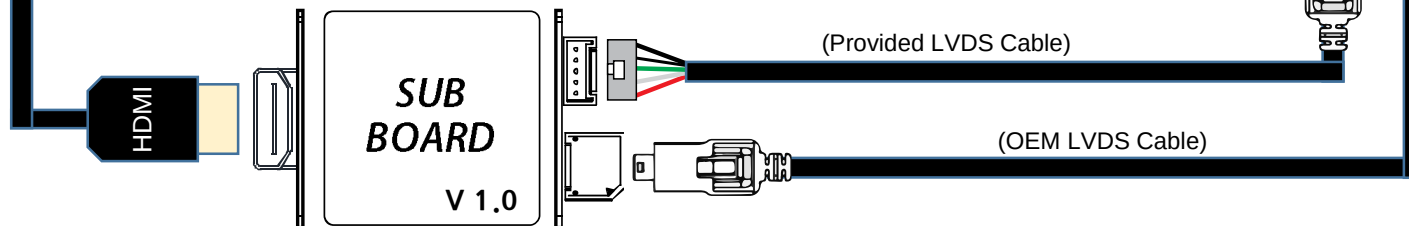
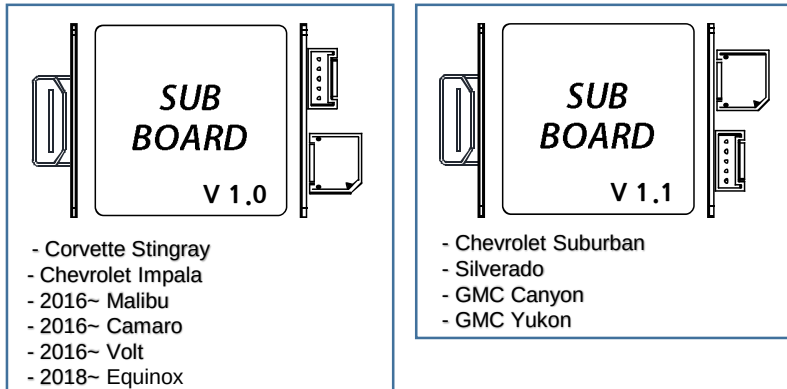
- The 'IW03C-SB(HD-Link)' supports navigation(GPS) box models equipped with 'Digital video output'.
- It does not support the 'RGB video signals'.

LVDS Connection Diagram

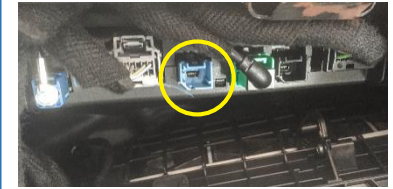


- 'Genuine(OEM) LVDS connector' should be connected to 'LVDS IN / OUT PCB'.
- 'Provided LVDS connector' should be connected to the monitor instead to the genuine connector.

※ Sub board Compatibility Sheet



2016 GMC CANYON
※ behind the My-link



Chevrolet Suburban
※ behind the glove box



Chevrolet Impala
※ behind the Monitor

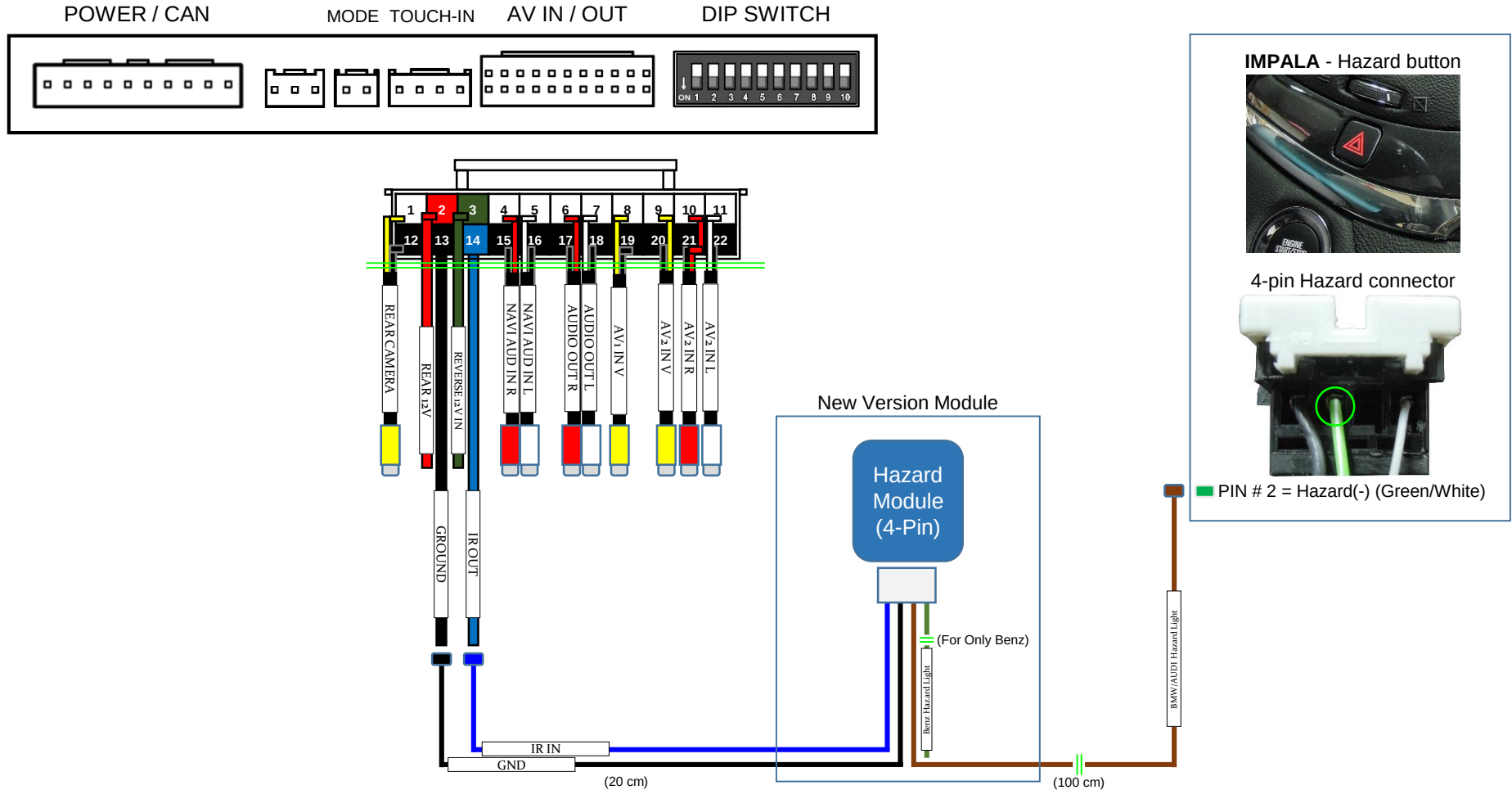


2016 Chevrolet Malibu
※ behind the Monitor



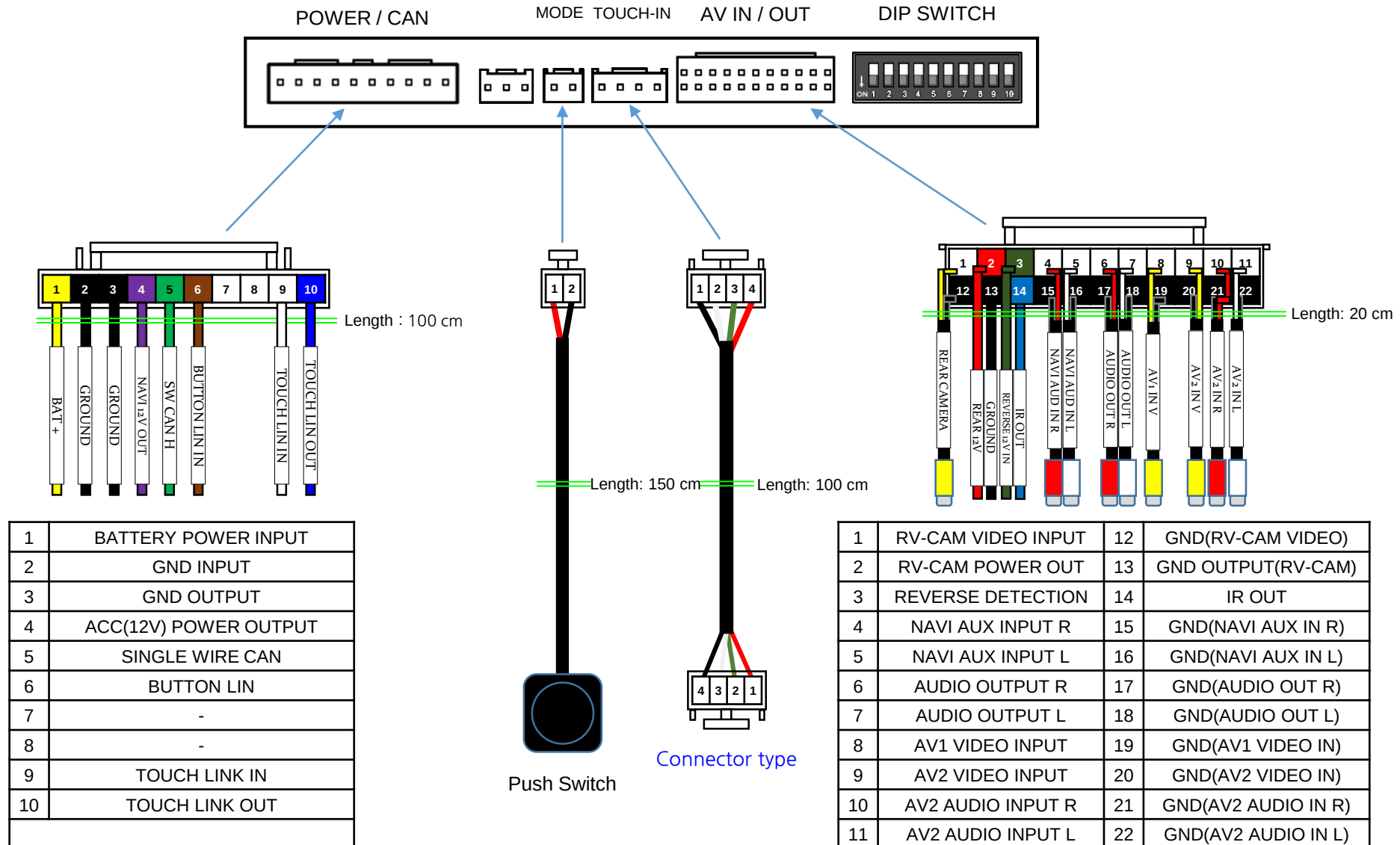
Chevrolet Stingray
※ behind the Monitor

Hazard Module Connection



***Hazard Module is just available with 'Smart Drive function of N-Link' navigation in South Korea.**

Body Connector specifications



- The colors of each wires can be changed under manufacturer's circumstance.

Car Compatibility Chart

Car Models	Production Year	Specific Models
corvette stingray	2015~	C7 (8 inch Equipped with MyLink)
Equinox	2018~	Equipped with MyLink
Chevrolet Suburban	2015~	Equipped with MyLink
Chevrolet Impala	2015~	Equipped with MyLink
Chevrolet Malibu	2016~	8 inch Equipped with MyLink
GMC Canyon	2016~	Equipped with MyLink
GMC Yukon	2016~	Equipped with MyLink
CAMARO 6th GEN	2016~	Equipped with MyLink
Volt	2016~	8 inch Equipped with MyLink



The IW03C-SB is used in combination with Chevrolet(GM) INFOTAINMENT system.



The IW03C-SB supports the Chevrolet(GM) original screen & Head unit equipped with 'LVDS connector' only.

Please check the specification of original LVDS connector on the sidelines of a production year.

Activation by original buttons of 「Corvette Stingray」

Stingray – MyLink



Button	Function	Operation	Remarks
1 HOME	Changing Modes	Press the button 2 seconds long.	Order: HDMI → NAVI → AV1 → AV2 → OEM
1 HOME	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 HOME	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of IW03C-SB. It is only possible to use the OEM functions under it is locked.
 Buttons marked with yellow	Back to OEM	Press the buttons short.	Return to the OEM mode in any modes.
2 BACK	Changing mode to Front View CAM mode(AV1)	Press the button 2 seconds long.	It changes the screen from any modes to AV1 mode directly.
2 BACK	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.
 Touch the oem screen	Enter into the setting menu	Touch the oem screen 5 seconds long.	All functions of setting menu of IW03C-SB is controlled by a touch screen of the OEM monitor.

Activation by original buttons of 「Chevrolet Impala, 2016 Malibu」



Impala

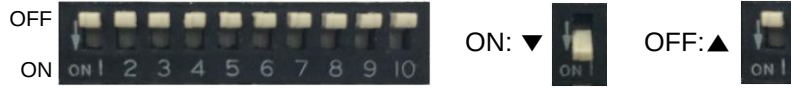


Malibu

Impala, 2016 Malibu – MyLink

Button	Function	Operation	Remarks
1 HOME	Changing Modes	Press the button 2 seconds long.	Order: HDMI → NAVI → AV1 → AV2 → OEM
1 HOME	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 HOME	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of IW03C-SB. It is only possible to use the OEM functions under it is locked.
 Buttons marked with yellow	Back to OEM	Press the buttons short.	Return to the OEM mode in any modes.
2 BACK	Changing mode to Front View CAM mode(AV1)	Press the button 2 seconds long.	It changes the screen from any modes to AV1 mode directly.
2 BACK	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.
 Touch the oem screen	Enter into the setting menu	Touch the oem screen 5 seconds long.	All functions of setting menu of IW03C-SB is controlled by a touch screen of the OEM monitor.

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	Selection of car model	
7	Skip Climate interlocking	Climate interlocking
8	Selection of car model	
9		
10		

No.6	No.7	No.8	No.9	No.10	Car Models
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	Corvette Stingray <MY-LINK> Chevrolet Suburban <MY-LINK> 2016~ Chevrolet Silverado <MY-LINK> 2016~ GMC Canyon <MY-LINK> 2016~ GMC Yukon <MY-LINK>
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	Chevrolet Impala <MY-LINK>
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	2016 Chevrolet Impala <MY-LINK>
OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	ON(▼)	2017 Chevrolet Impala <MY-LINK>
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	2018~ Equinox <8inch MY-LINK> 2016~ Malibu <8inch MY-LINK> 2016~ Camaro <8inch MY-LINK> 2016~ Volt <8inch MY-LINK>
OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	OFF(▲)	2017~ Chevrolet Silverado <MY-LINK>

Settings



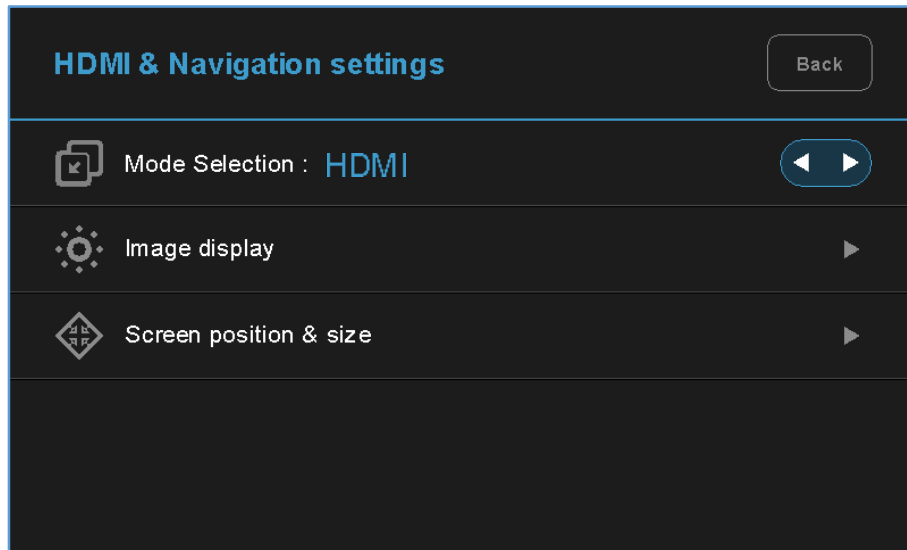
Button	Function	Operation
Touch the oem screen	Enter into the setting menu	Touch the oem screen 5 seconds long.
Touch Screen (OEM Monitor)	All functions of setting menu of IW03GF is controlled by a touch screen of the OEM monitor.	

1. Enter into the setting menu.

<Press the 'OPTION' button 5 seconds long.>

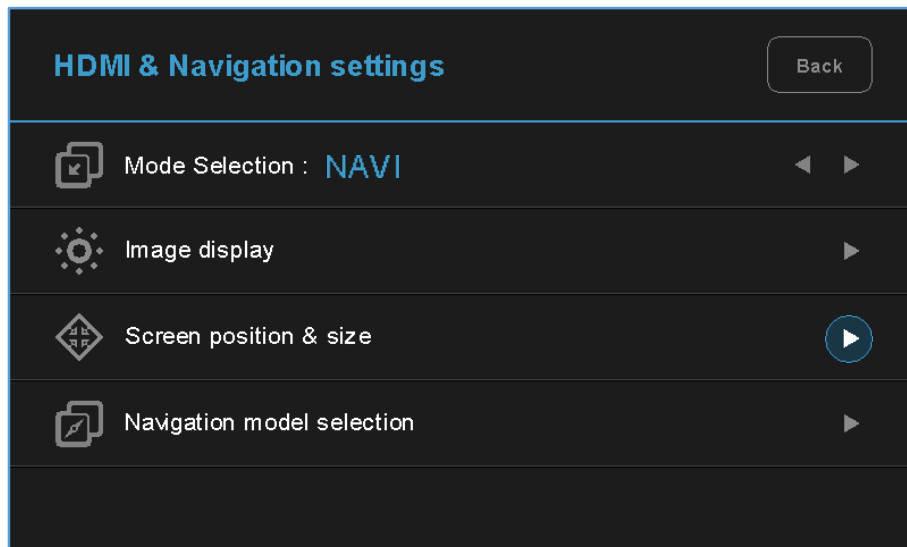
- HDMI & Navigation settings
- Rear view camera settings
- AV-input settings
- System settings
- System information

Settings



2. HDMI mode settings

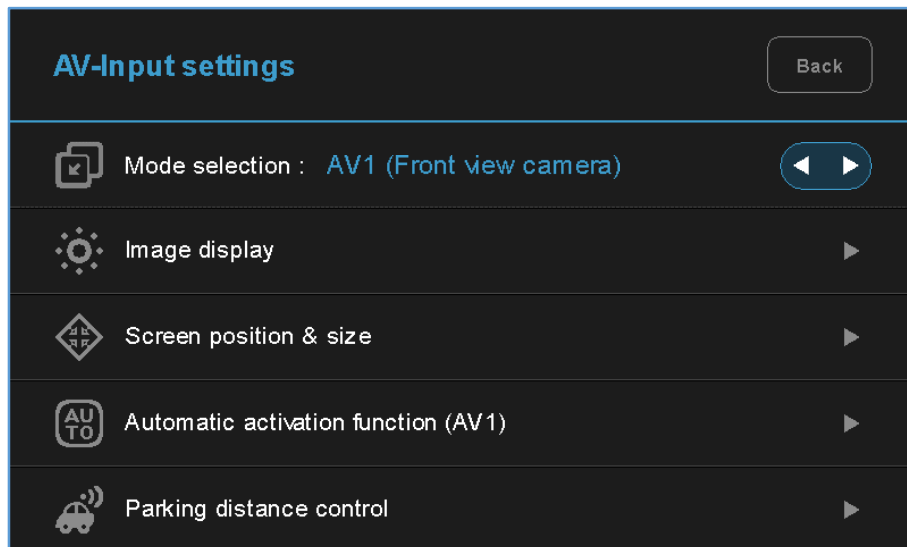
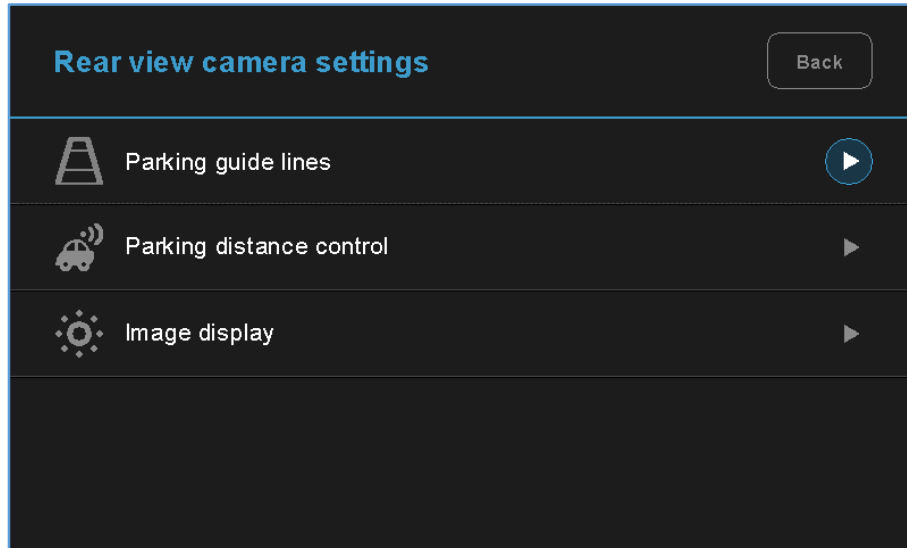
- Mode selection: HDMI ↔ NAVI
- Image display
= Adjust the values of brightness and contrast
Red-Green-Blue colors of HDMI display.
- Screen position & size
= Entry Disabled / Not applicable.



3. NAVI mode settings

- Mode selection: NAVI ↔ HDMI
- Image display
= Adjust the values of brightness and contrast
Red-Green-Blue colors of NAVI display.
- Screen position & size
= Entry Disabled / Not applicable.
- Navigation Resolution selection
= Entry Disabled / Not applicable.

Settings



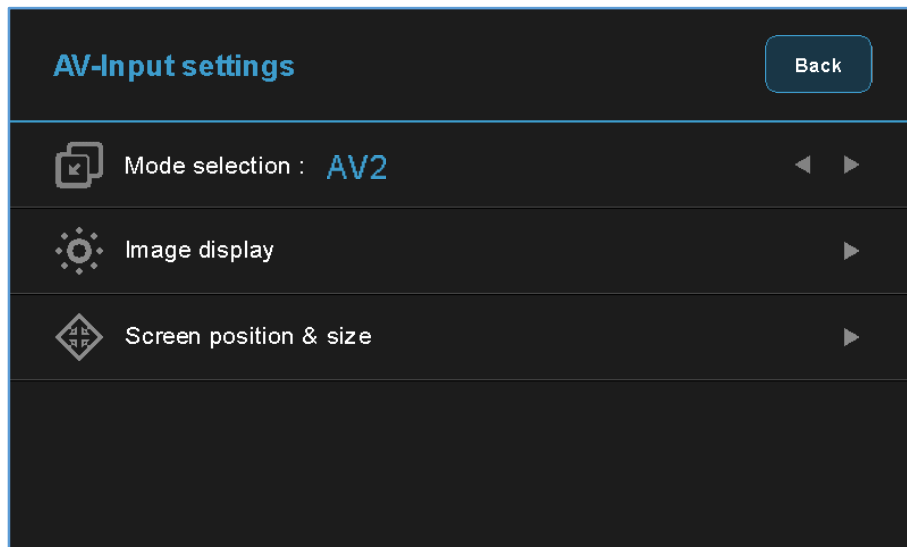
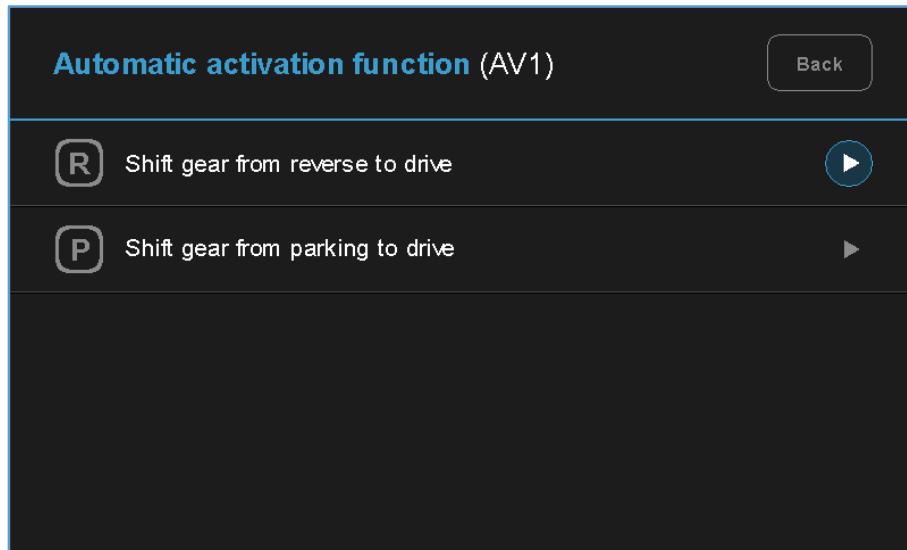
4. Rear view camera settings

- Parking guide lines
= Adjust position of parking guide lines and select the lines 'ON or OFF'.
- Parking distance control
= Adjust the position of parking distance control sensors to 'LEFT or RIGHT' and select the PDC 'ON or OFF'.
- Image display
= Adjust the values of brightness and contrast Red-Green-Blue colors of Rear view camera display.

5. AV1(Front view camera) settings

- Mode selection: AV1(Front view camera) ↔ AV2
- Image display
= Adjust the values of brightness and contrast Red-Green-Blue colors of AV1(Front view camera) display.
- Screen position & size
= Entry Disabled / Not applicable.
- Automatic activation function(AV1)
= * Please refer to next page.
- Parking distance control
= Adjust the position of parking distance control sensors to 'LEFT or RIGHT' and select the PDC 'ON or OFF'.

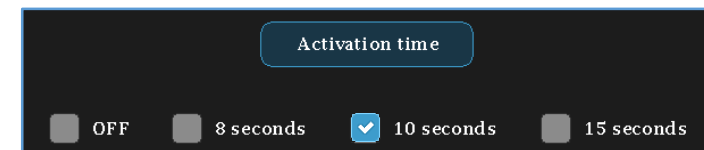
Settings



6. Automatic activation function(AV1)

- Shift gear from reverse to drive
- Shift gear from parking to drive

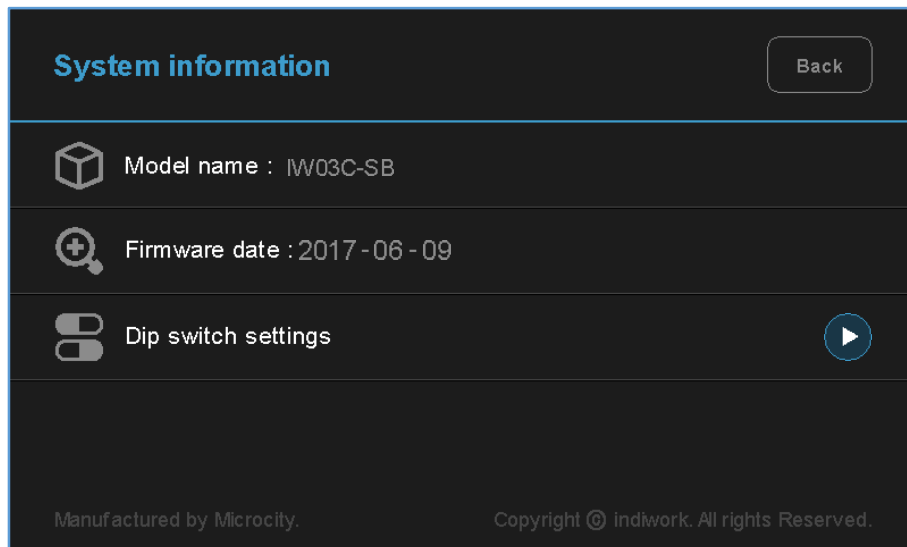
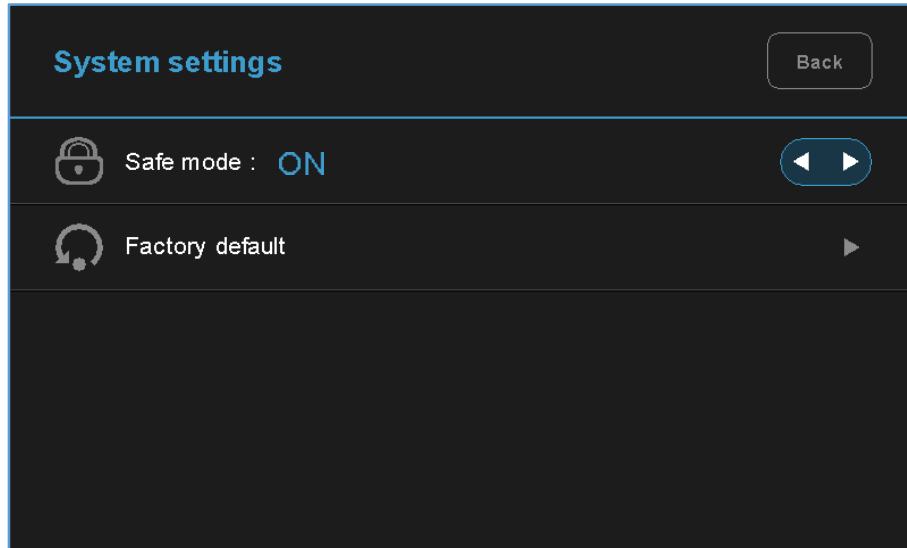
* When you shift gear 'from reverse to drive' or 'from parking to drive', it just works automatically during the activation time you selected.



7. AV2 settings

- Mode selection: AV2 ↔ AV1(Front view camera)
- Image display
= Adjust the values of brightness and contrast
Red-Green-Blue colors of AV2 display.
- Screen position & size
= Entry Disabled / Not applicable.

Settings



8. System settings

- Safe mode
= Select the one of two between 'ON and OFF'.

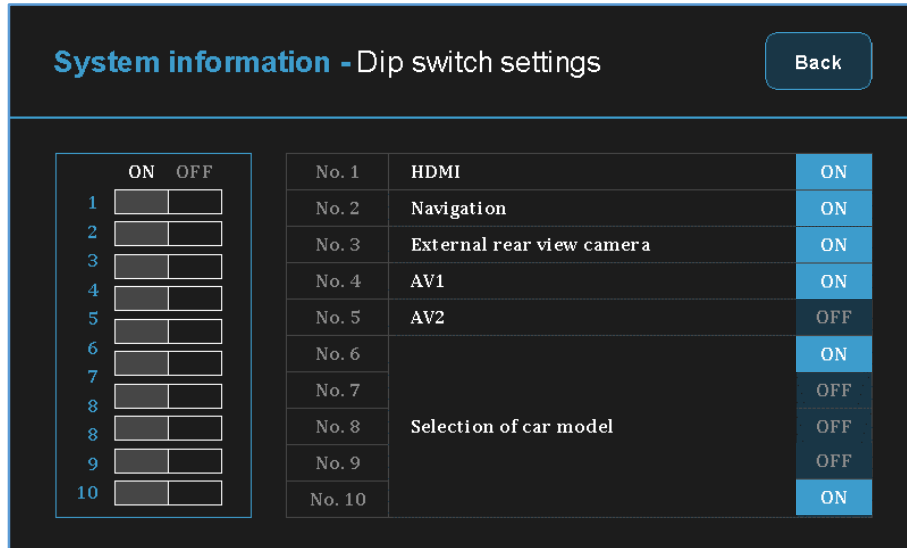
* If you select 'ON', 3 modes(HDMI, NAVI and AV2) will be faded out when the car is driven.

- Factory default
= Reset all setting values to factory default setting.

9. System information

- Mode name : IW03C-SB
- Firmware date : 2017 – 06 – 09 (Latest firmware date)
- = You can check the current firmware version date.
- Dip switch settings
= You can check the current positions of dip switch settings.

Settings



10. Information of Dip switch settings

* You can check the current positions of dip switch settings.

ex 1)
Actual DIP switch values. (→)



Appears on the setting menu. (↓)

No. 1	HDMI	ON
No. 2	Navigation	OFF
No. 3	External rear view camera	ON
No. 4	AV1	ON
No. 5	AV2	OFF
No. 6	Selection of car model	OFF
No. 7		ON
No. 8		OFF
No. 9		ON
No. 10		OFF

ex 2)
Actual DIP switch values. (→)



Appears on the setting menu. (↓)

No. 1	HDMI	ON
No. 2	Navigation	ON
No. 3	External rear view camera	OFF
No. 4	AV1	ON
No. 5	AV2	OFF
No. 6	Selection of car model	ON
No. 7		OFF
No. 8		OFF
No. 9		OFF
No. 10		OFF

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