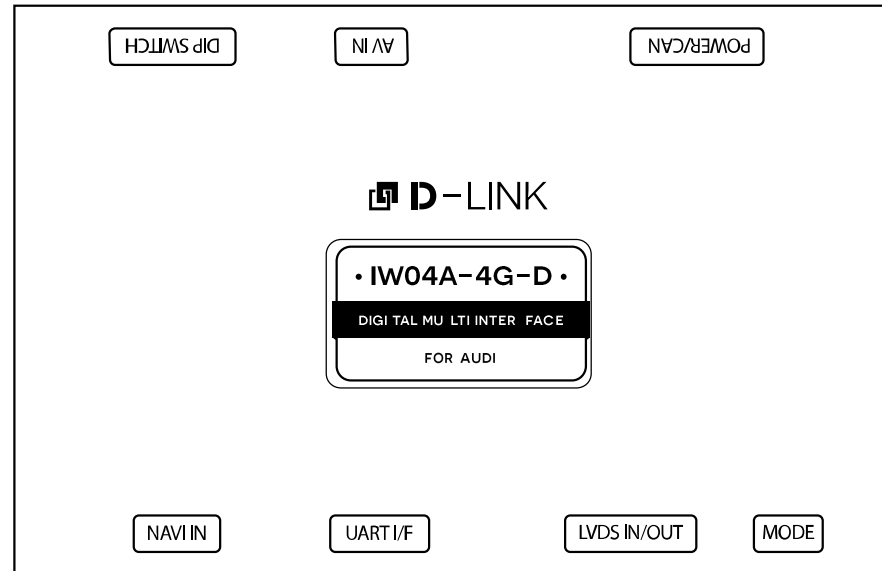


# Instruction Manual

## High-Definition Link for 2015 Audi A6 FACELIFT IW04A-4G-D



Model Name	IW04A-4G-D
Latest Firmware Date	2016 - 07 - 26
Manual Version	Rev. 1. 2
Language	English

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## Cautions

### ▪ IW04A-4G-D\_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.

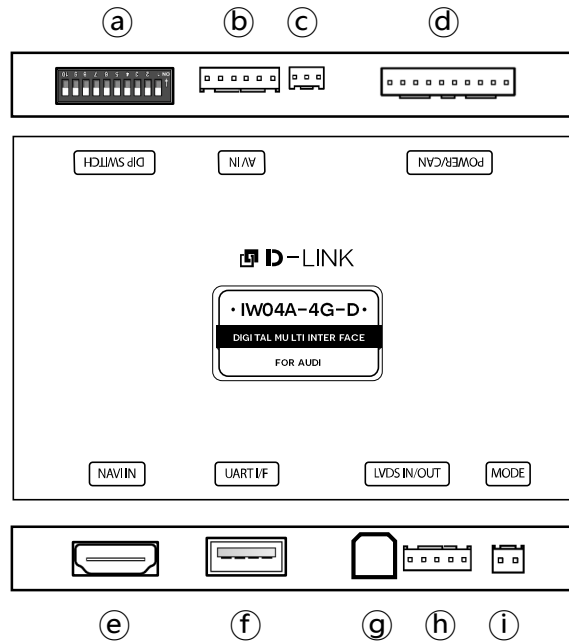
### ▪ Navigation(GPS) box\_related

- When you connect the power wires(B+, ACC) to the navigation(GPS) box,  
the 'NAVI 12V OUT' wire supported by IW04A-4G-D 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
- (c) UART
- (d) POWER / CAN
- (e) NAVI IN
- (f) UART I/F
- (g) LVDS OUT
- (h) LVDS IN
- (i) MODE

## Components



POWER / CAN CABLE



LVDS CABLE



AV CABLE

## Optional Parts(sold separately at the indiwork)



HDMI Cable  
(Male to Male)

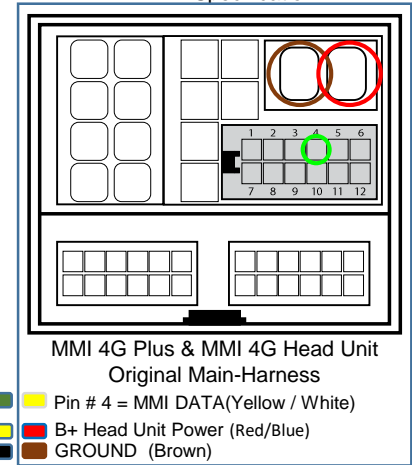


Mode Switch

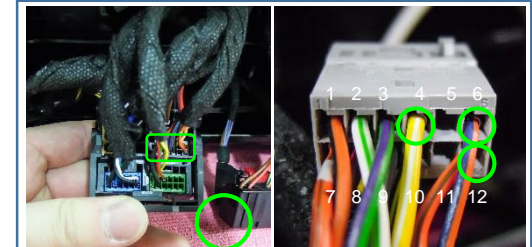
# Full Installation Diagram

Connect To Navigation, android Box Power

MMI Pin Specification



HS CAN HIGH & LOW <AUDI A6-4G>



\* Audio Main Connector

- Pin # 6 = CAN HIGH (Orange / Blue)
- Pin # 12 = CAN LOW (Orange / Brown)
- Pin # 4 = MMI DATA (Yellow / White)

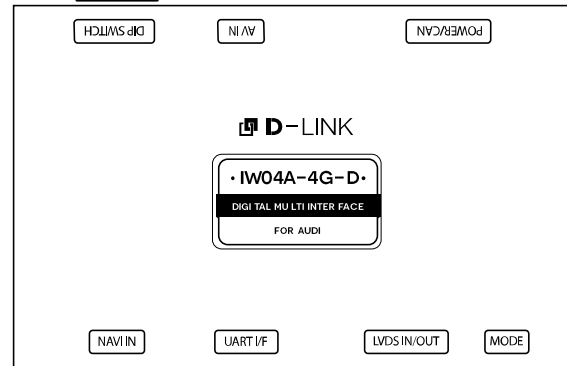
Original monitor(OEM)

Head Unit

(OEM LVDS Cable)

(Provided LVDS Cable)

DIP S/W Setting



RV-CAM Video Input (REAR CAMERA)

FV-CAM Video Input (AV1 IN V)

12V Power Output (RV-CAM Power)

Reverse Signal Detection(optional)

Navigation(GPS) , Andriod Box Device






Navigation (GPS) Setup Box








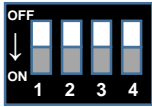




Android Setup Box

## Compatibility Chart for Android box models

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

- The 'IW04A-4G-D(D-Link)' supports Android box models equipped with 'Digital video output'.
- It does not support the 'RGB video signals'.

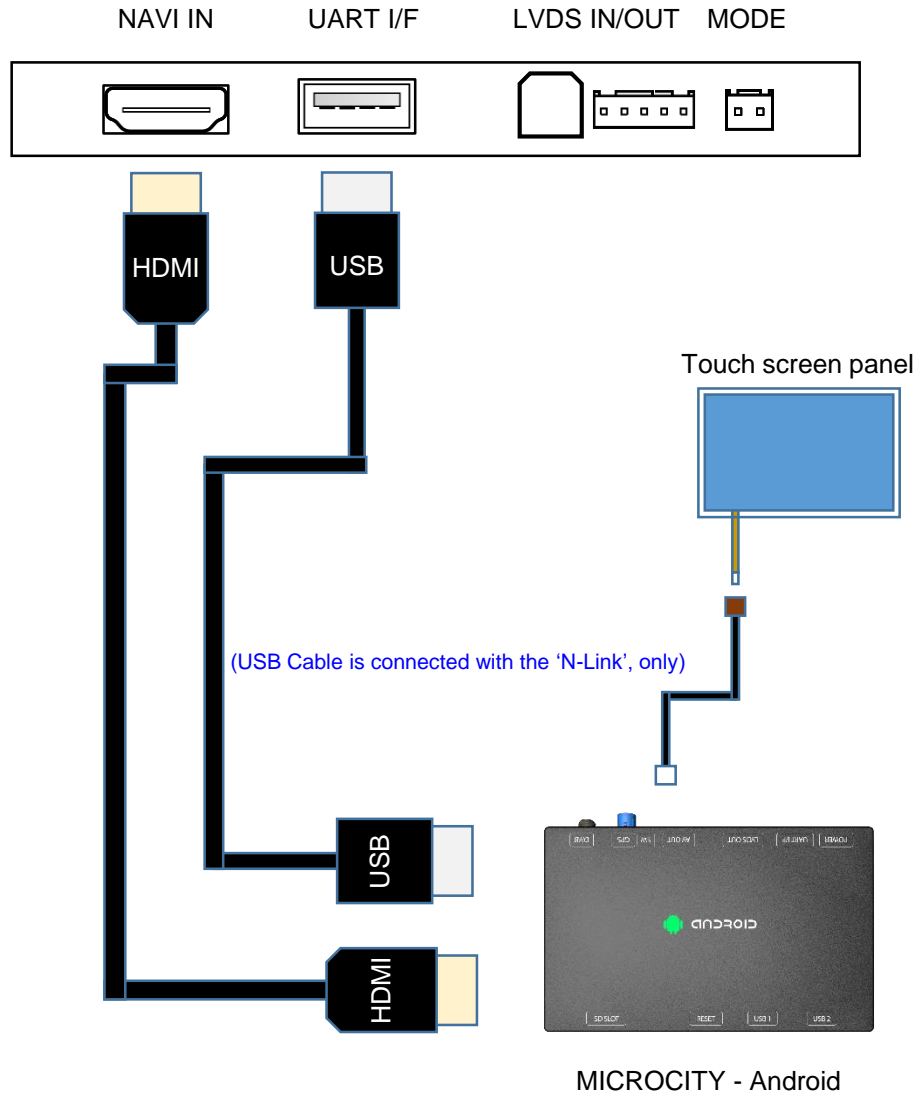
## Compatibility Chart for Navigation(GPS) box models

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)	 Hazard Module (Refer to Page.12)
	iNAVI X1 CUBE	South Korea	 OFF(↓): 1, 2, 3, 4	 HDMI Cable (HDMI to HDMI)		
	MYVI MS1400 Digital	South Korea	 OFF(↓): 1, 2, 3 ON(↑) : 4	 HDMI Cable (HDMI to HDMI)		

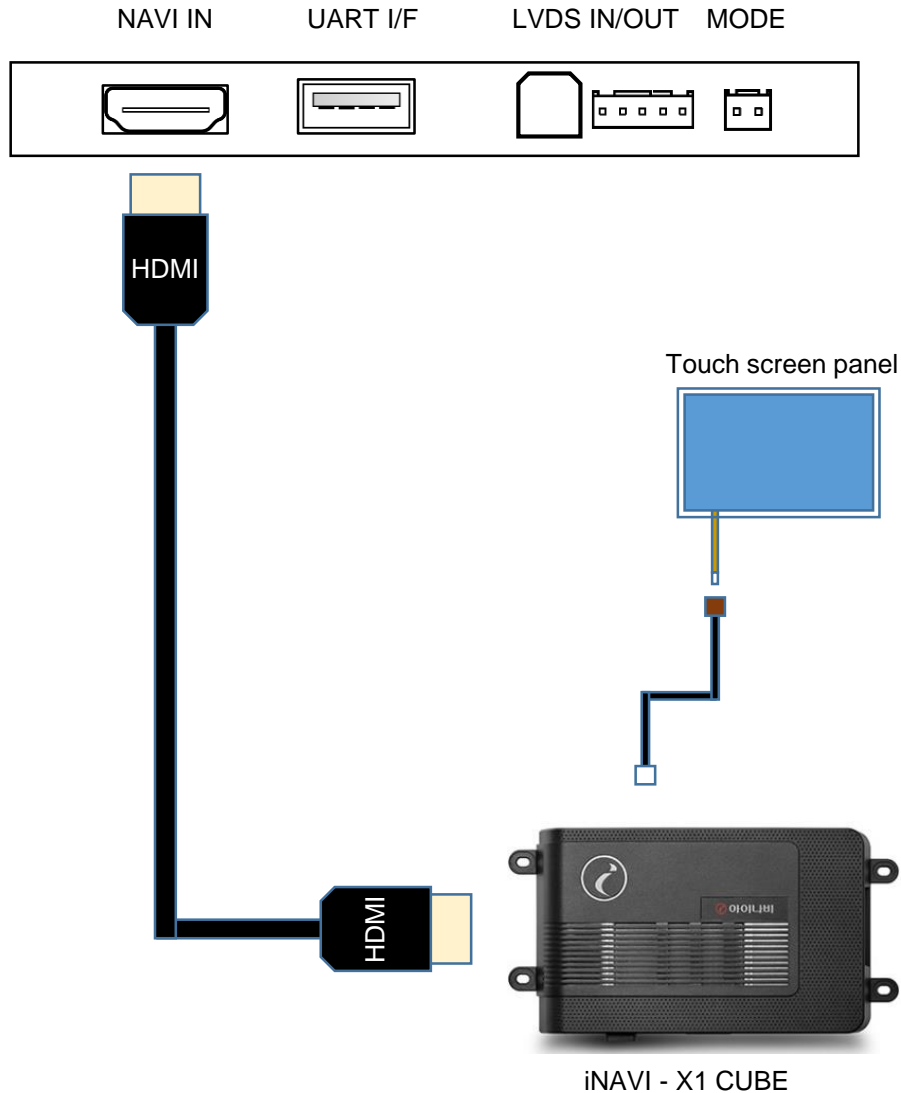
- The 'IW04A-4G-D(D-Link)' supports navigation(GPS) box models equipped with 'Digital video output'.
- It does not support the 'RGB video signals'.



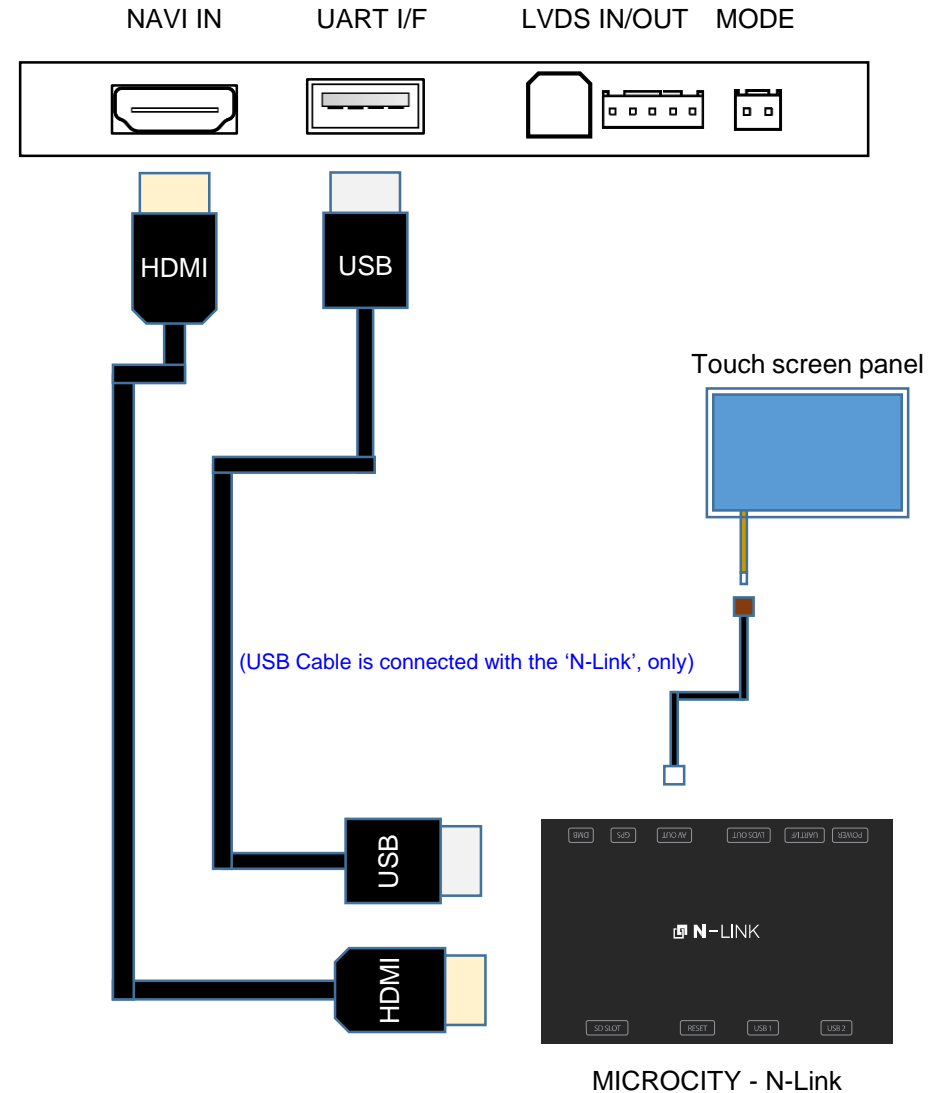
## Android Box Connection Diagram



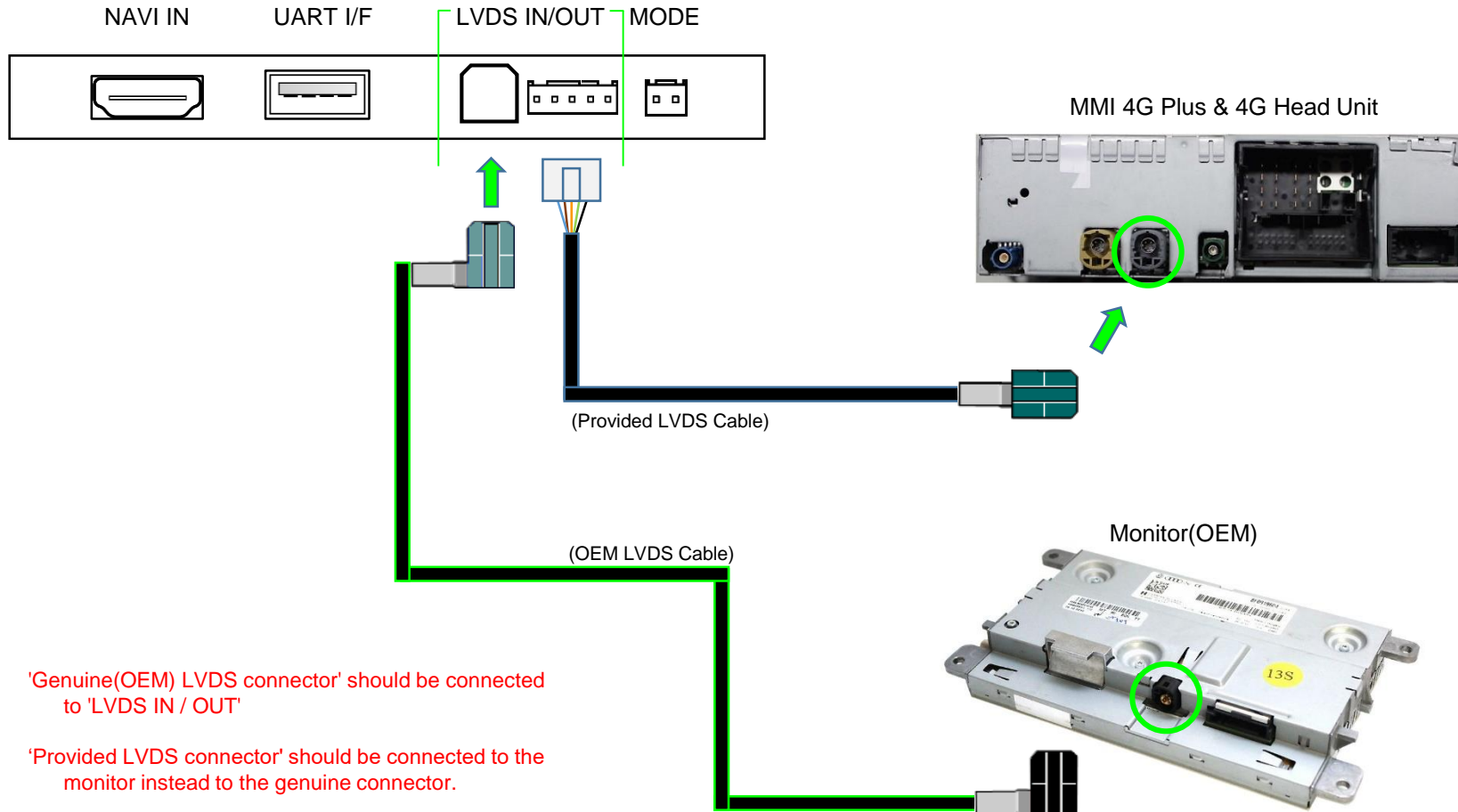
## Navigation Connection Diagram



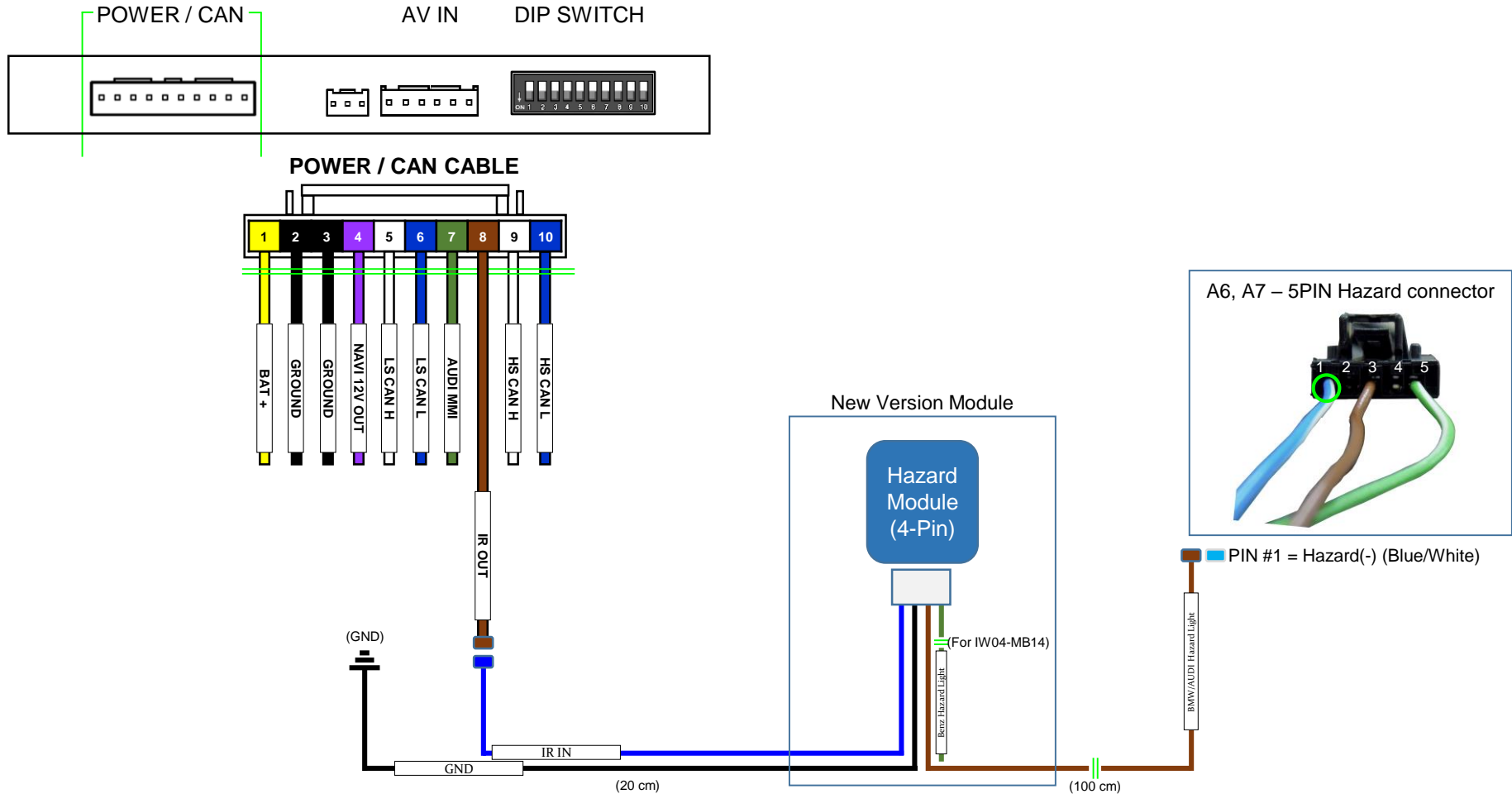
## Navigation Connection Diagram



# LVDS Connection Diagram



# Hazard Module Connection



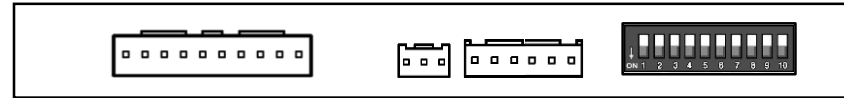
**\*Hazard Module is just available with ‘Smart Drive function of N-Link’ navigation in South Korea.**

# Body Connector specifications

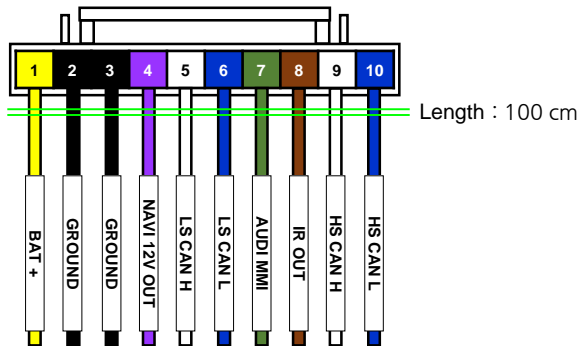
POWER / CAN

AV IN

DIP SWITCH

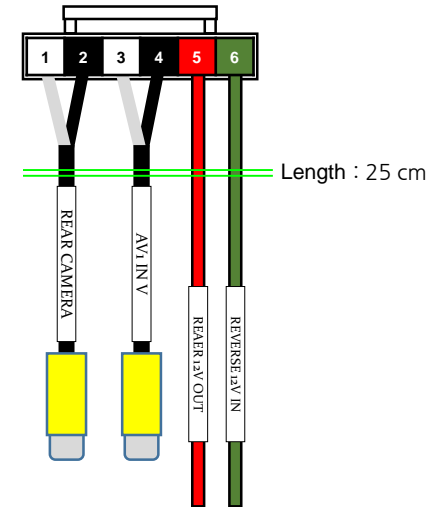


**Power / CAN Cable**



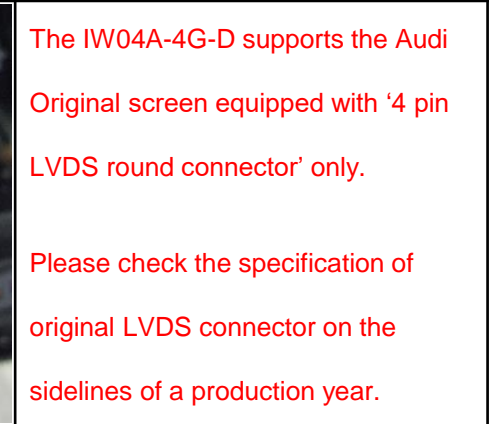
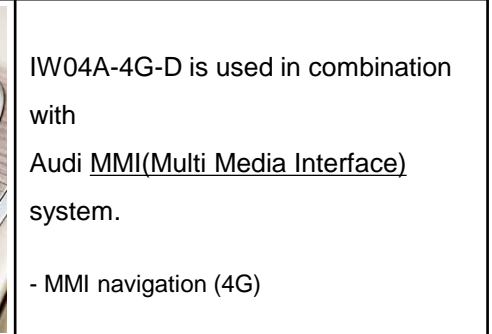
1	BATTERY POWER INPUT
2	GND INPUT
3	GND OUTPUT
4	NAVI 12V POWER OUTPUT
5	LS CAN HIGH
6	LS CAN LOW
7	AUDI MMI
8	-
9	HS CAN HIGH
10	HS CAN LOW

**AV Cable**



1	RV-CAM VIDEO INPUT
2	GND(RV-CAM VIDEO)
3	AV1 VIDEO INPUT
4	GND(AV1 VIDEO IN)
5	RV-CAM POWER OUT
6	REVERSE DETECTION

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

[illegible]

## Activation by original buttons of Audi

### MMI 4G



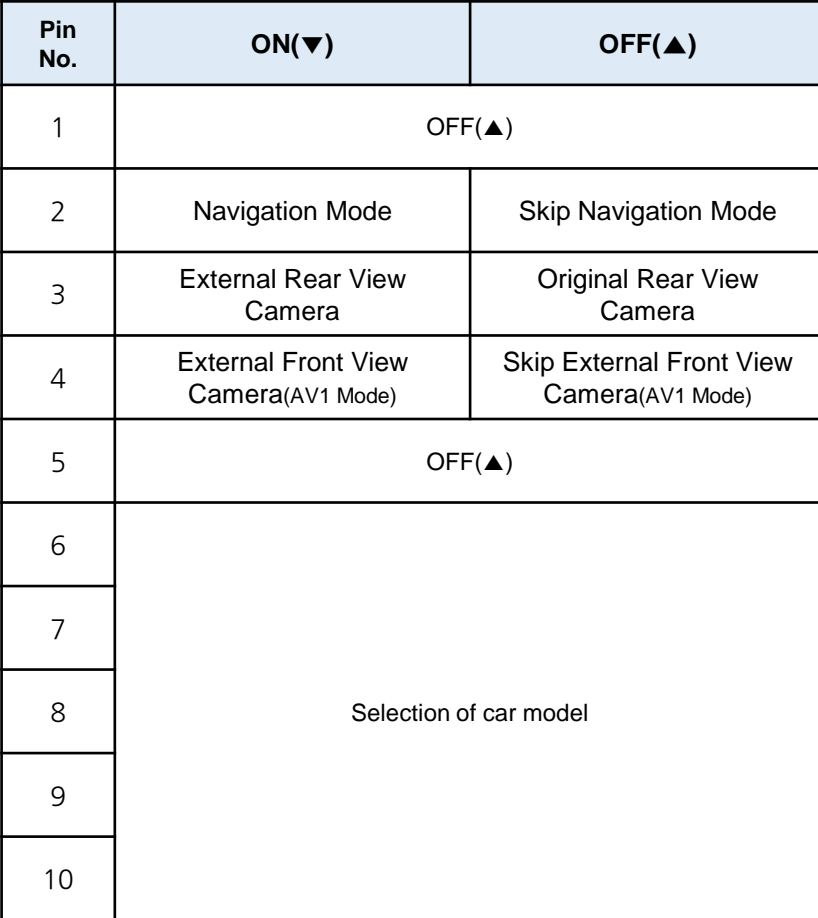
MMI 4G Controller



Steering Wheel buttons

Button	Function	Operation	Remarks
1 NAV	Changing Modes	Press the button 2 seconds.	Order: NAVI → AV1 → OEM
1 NAV	Shortcut to each modes	Press the button 2 times consecutively. < OEM → NAVI > Press the button 3 times consecutively. < OEM → AV1 > <i>*It could also use 'iNAV(New) or MODE(Old) button' on the steering wheel.</i>	
1 NAV	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of IW04A-4G. It is only possible to use the OEM functions under it is locked.
Other Buttons	Back to OEM	Press the button short.	Return to the OEM mode in any modes.
2 BACK (RETURN)	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.
3 MENU (SETUP)	Enter into the setting menu	Press the button 5 seconds long.	Adjust settings of all functions like adjustment screen size, brightness, and etc.

Button	Function	Operation
1 iNAV	Press the 'iNAV' button 2 seconds.	Press the button 2 seconds.

16

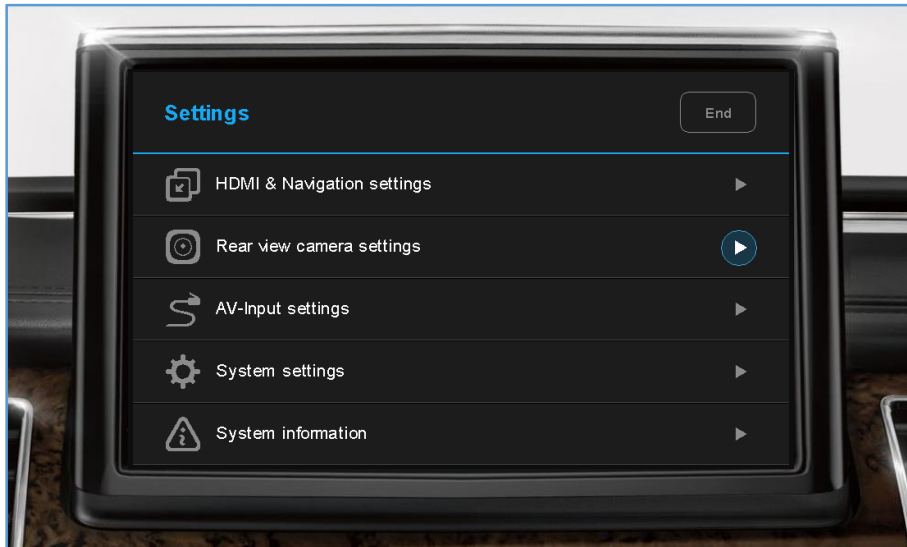


# Activation by original buttons of Audi

## MMI 4G



Button		Function	Operation
1	MENU(SETUP)	Enter into the setting menu	Press the button 5 seconds long.
2	BACK(RETURN)	Back to previous menu	Press the button short.
3	Selection	Select the menu and setting values.	Press the button short.
4	Turn the dial clockwise	Move the menu-pointer and adjust the setting values.	Move the pointer and setting values to up(↑) and right(→).
5	Turn the dial counterclockwise	Move the menu-pointer and adjust the setting values.	Move the pointer and setting values to down(↓) and left(←).

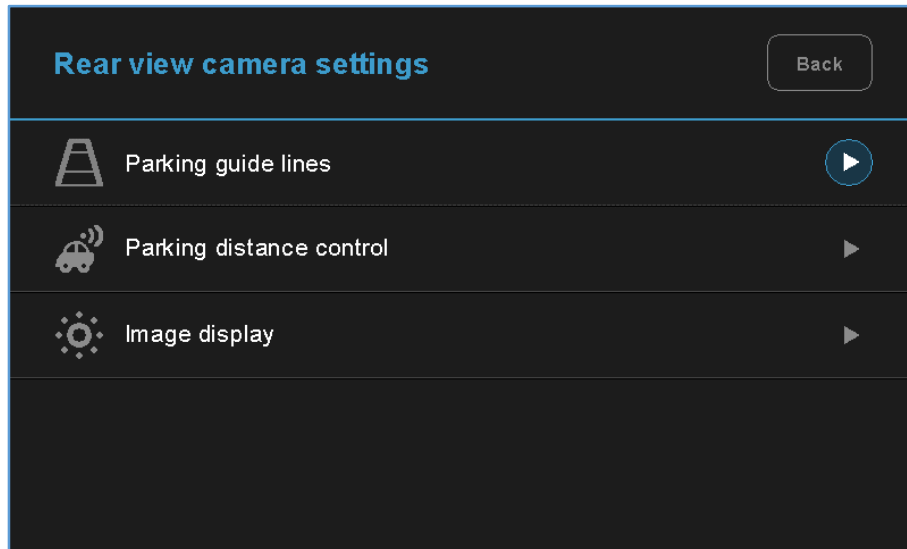
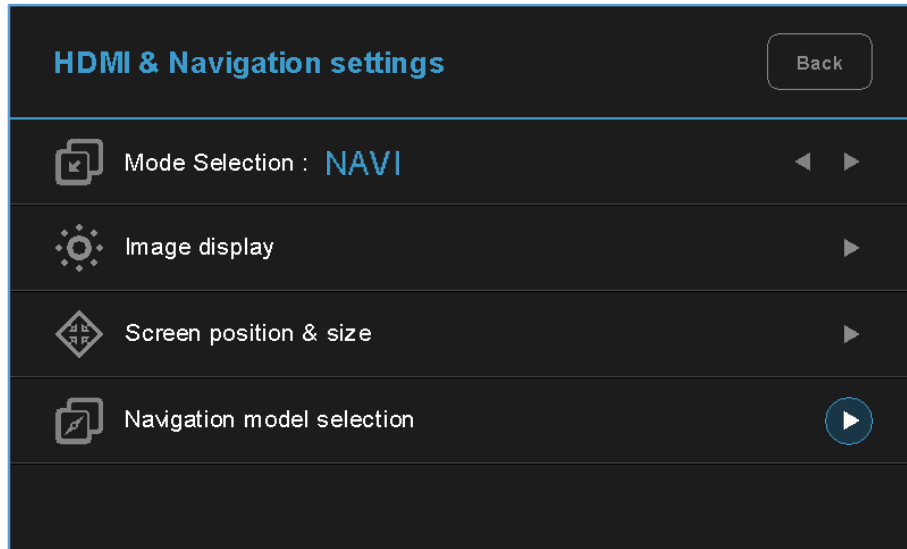


## 1. Enter into the setting menu.

<Press the 'MENU(SETUP)' button 5 seconds long.>

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

# Settings



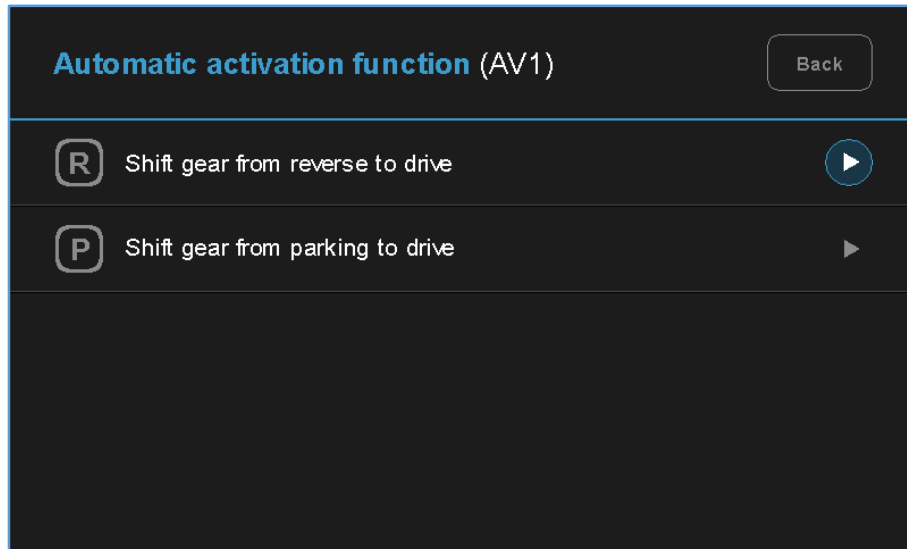
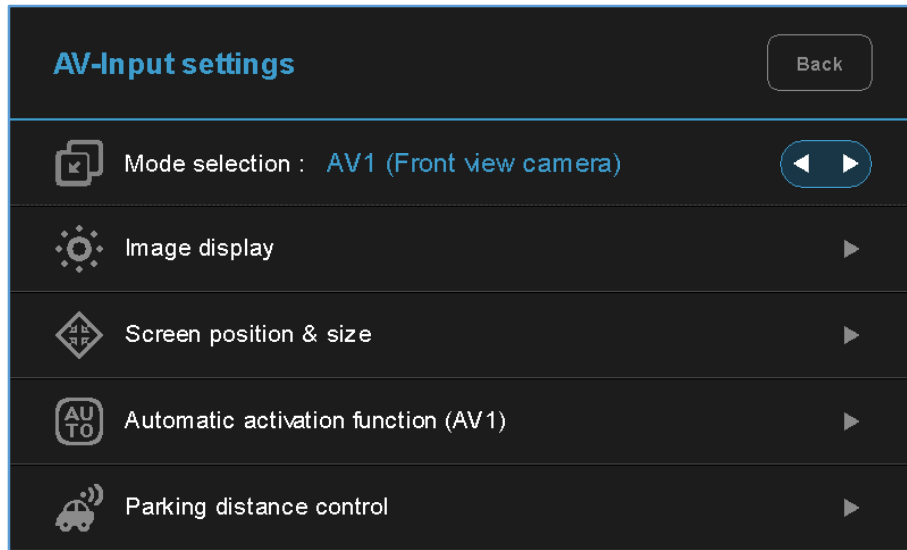
## 3. NAVI mode settings

- Mode selection: NAVI ↔ HDMI
- Image display  
= Adjust the values of brightness and contrast  
Red-Green-Blue colors of NAVI display.
- Screen position & size  
= Adjust position and size of NAVI display.
- Navigation model selection
  - ① N-Link                      ② iNAVI – CUBE                      ③ imercury – Class settop
  - ④ MYVI                      ⑤ Mode A                      ⑥ Mode B

## 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 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.

## Settings



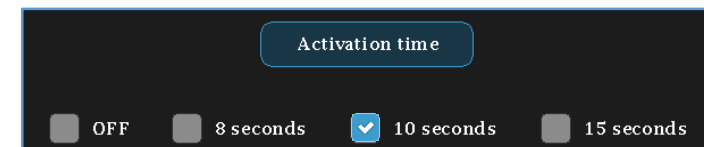
## 5. AV1(Front view camera) settings

- 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  
= Adjust the position and size of AV1 display.
- 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'.

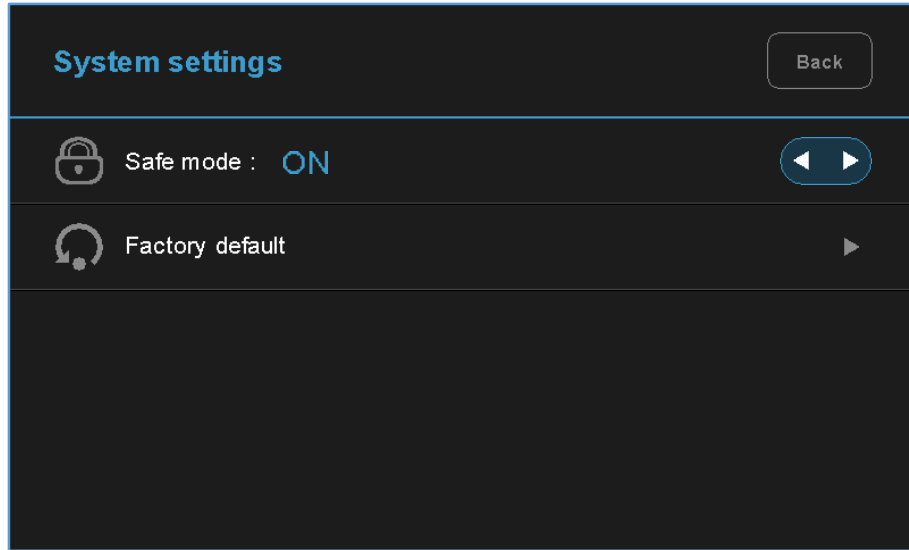
## 6. Automatic activation function(AV1)

- 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.

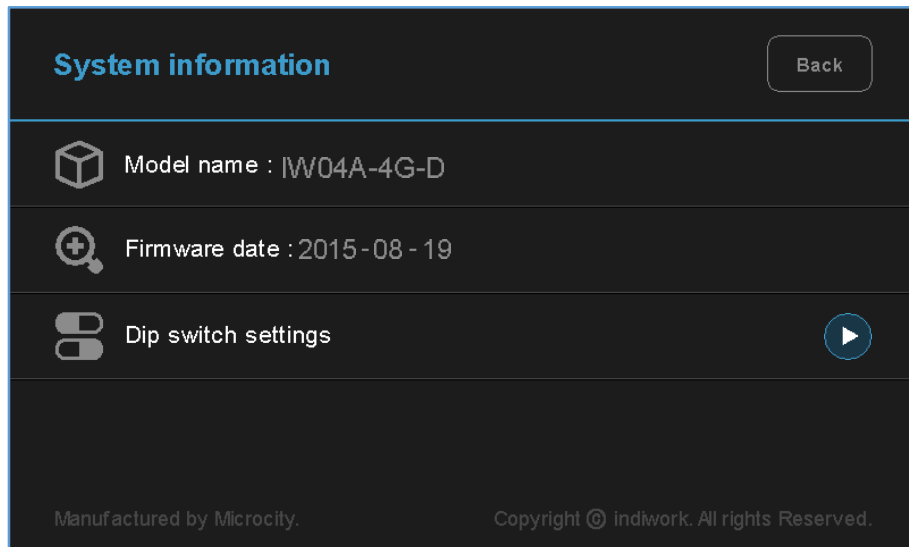


# Settings



## 8. System settings

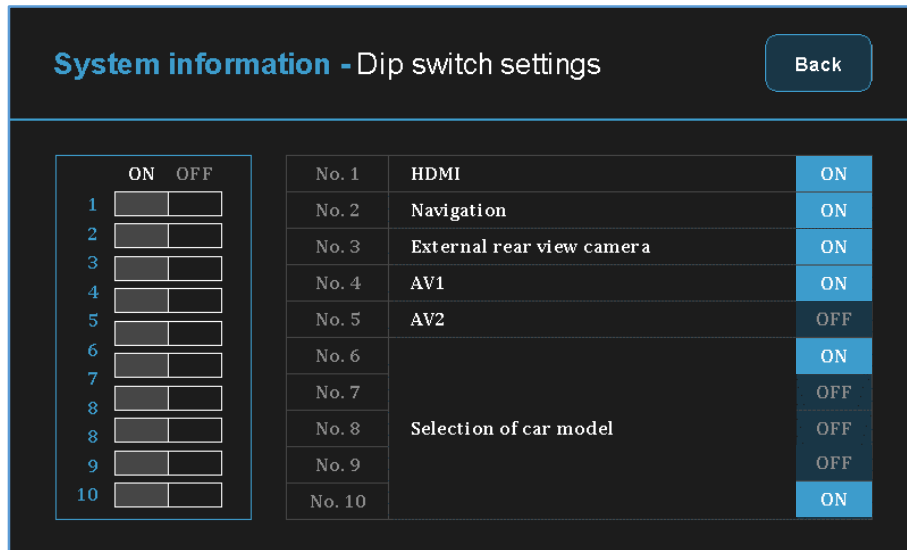
- Safe mode  
= Select the one of two between 'ON and OFF'.
- \* If you select 'ON', 3 modes(NAVI) will be faded out when the car is driven.
- Factory default  
= Reset all setting values to factory default setting.



## 9. System information

- Mode name: IW04A-4G-D
- Firmware date: 2015 - 08 - 19(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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