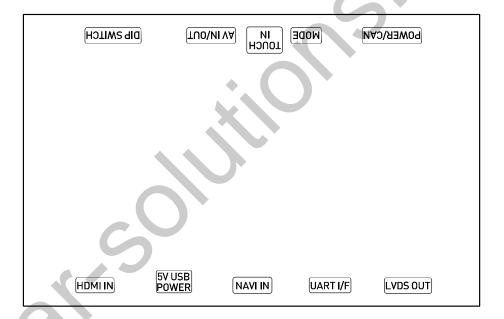
Release Date: 2017 - 02 - 01



Instruction Manual

High-Definition Link for Audi



Latest Firmware Date	2017 - 02 - 02
Manual Version	Rev. 3.8
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).
 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.

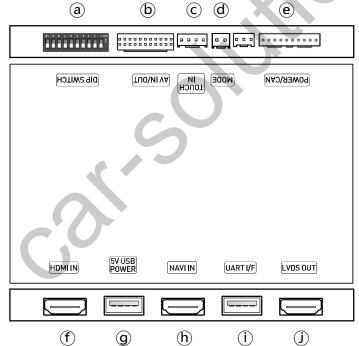
Navigation(GPS) box_related

- When you connect the power wires(B+, ACC) to the navigation(GPS) box,
 the 'NAVI 12V OUT' wire supported by the device 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



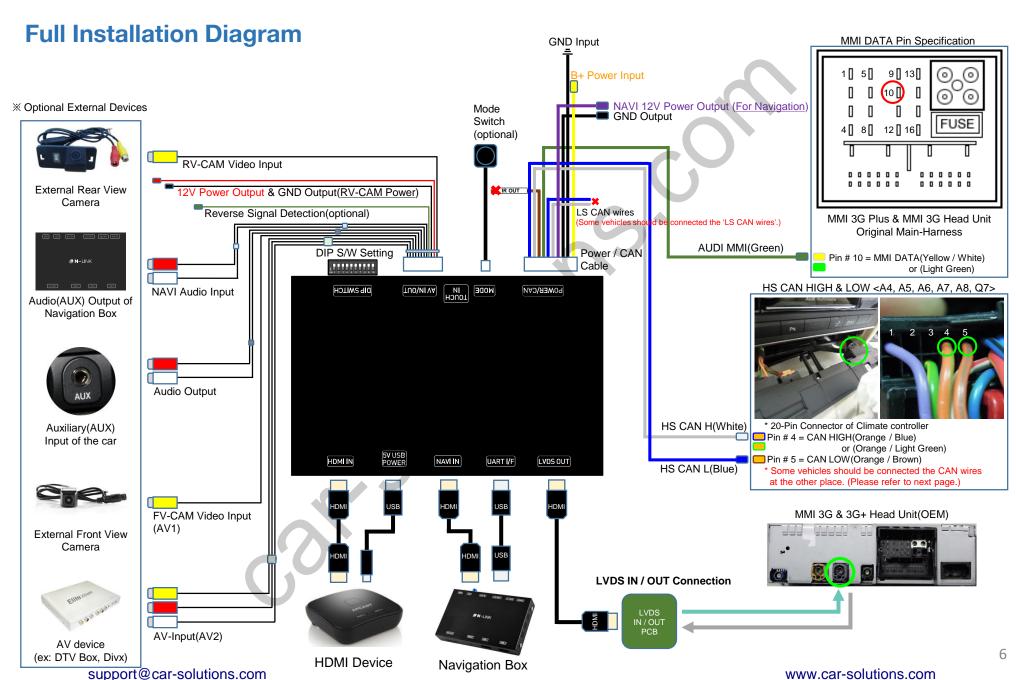
- (a) DIP SWITCH
- (b) AV IN / OUT
- © TOUCH IN (Not Used)
- d MODE
- e POWER / CAN
- (f) HDMI IN
- g 5V USB POWER
- (h) NAVI IN
- (i) UART I/F
- (j) LVDS OUT

Components



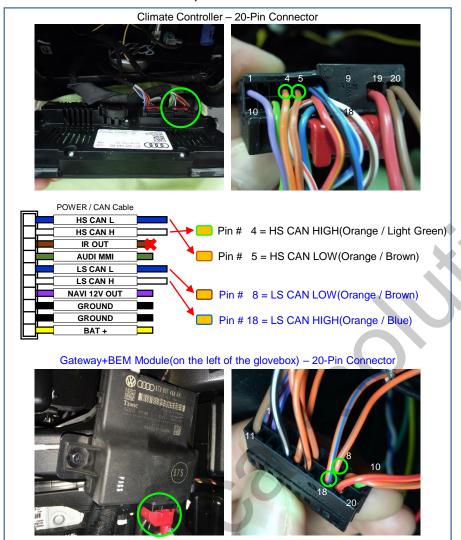
Optional Parts(sold separately)



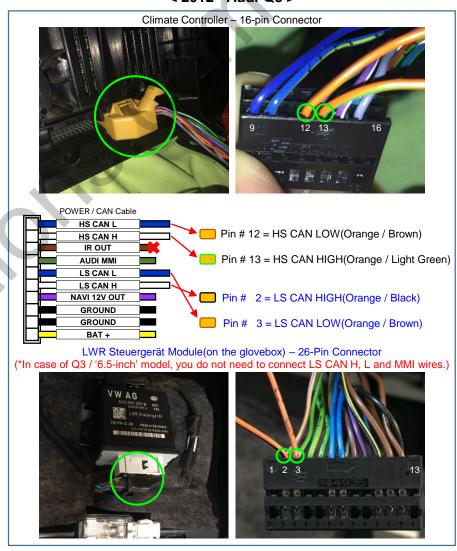


CAN wires information(exceptions)

< 2010, 2011 Audi A4 >



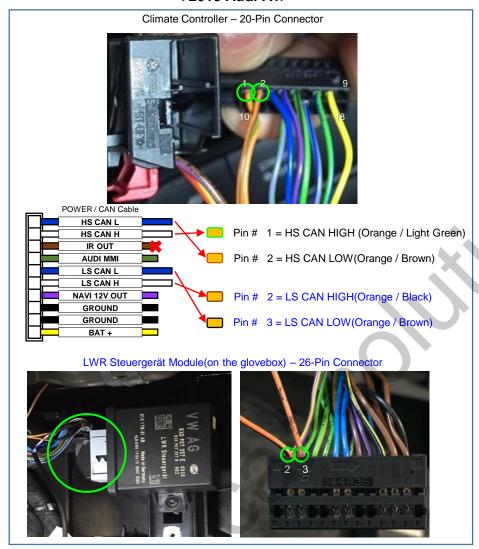
< 2012~ Audi Q3 >



- Normally, general models of Audi should be just connected the 'HS CAN High, Low wires' at the climate controller.
- But, some models have different CAN-BUS data. Please refer to above pictures and connect the CAN wires. support@car-solutions.com

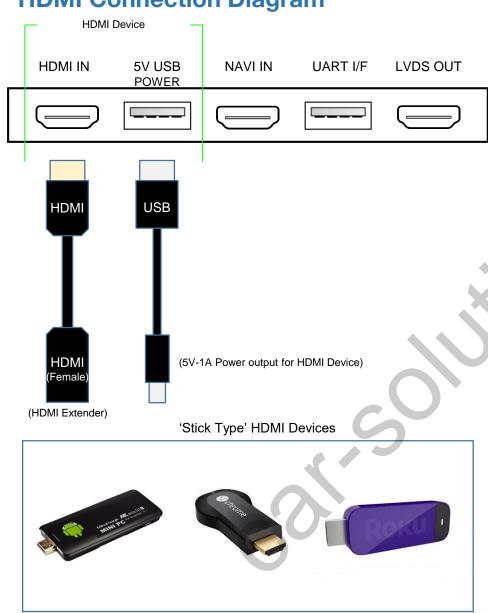
CAN wires information(exceptions)

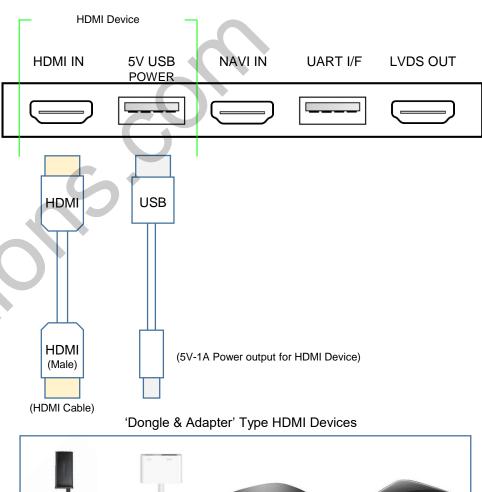
< 2015 Audi A1>



- Normally, general models of Audi should be just connected the 'HS CAN High, Low wires' at the climate controller.
- But, some models have different CAN-BUS data. Please refer to above pictures and connect the CAN wires. support@car-solutions.com

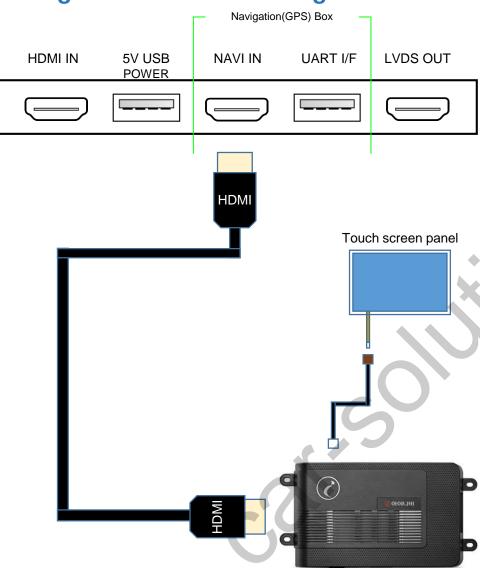
HDMI Connection Diagram





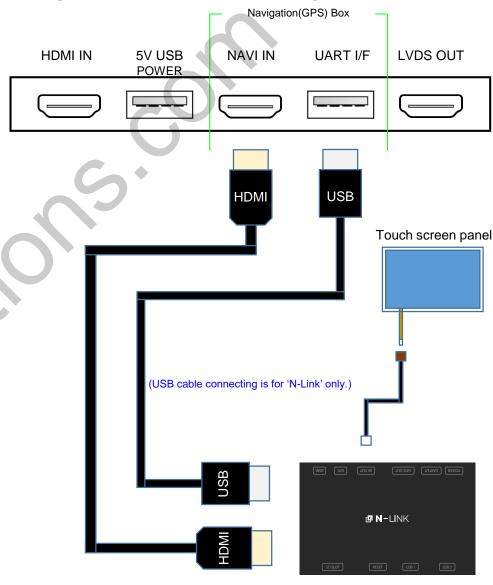


Navigation Connection Diagram



I-NAVI X1 CUBE

Navigation Connection Diagram



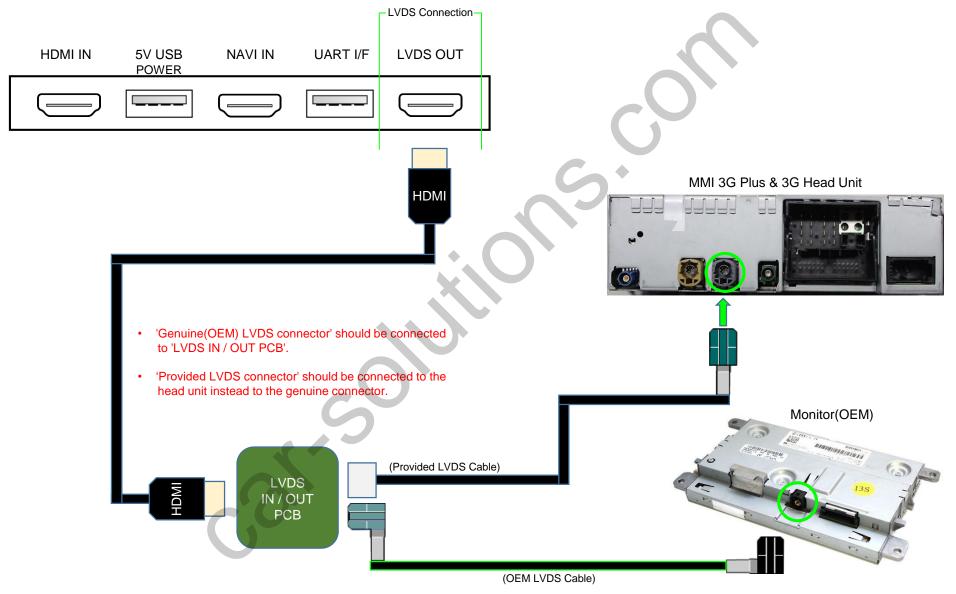
Compatibility Chart for Navigation(GPS) box models

Model		Country	Dip S/W (Navigation)		Required Parts	
SEED GEED GEED GEED GEED GEED GEED GEED	MICROCITY N-Link	South Korea	-	HDMI Cable (HDMI to HDMI)	USB A-A Cable (USB to USB)	Hazard Module (Refer to Page.11)
O O O O O O O O O O O O O O O O O O O	iNAVI X1 CUBE	South Korea	OFF(↑): 1, 2, 3, 4		HDMI Cable (HDMI to HDMI)	
Atlan <mark>de</mark> Digital	MYVI MS1400 Digital	South Korea	OFF(↓): 1, 2, 3 ON(↑) : 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'. support@car-solutions.com

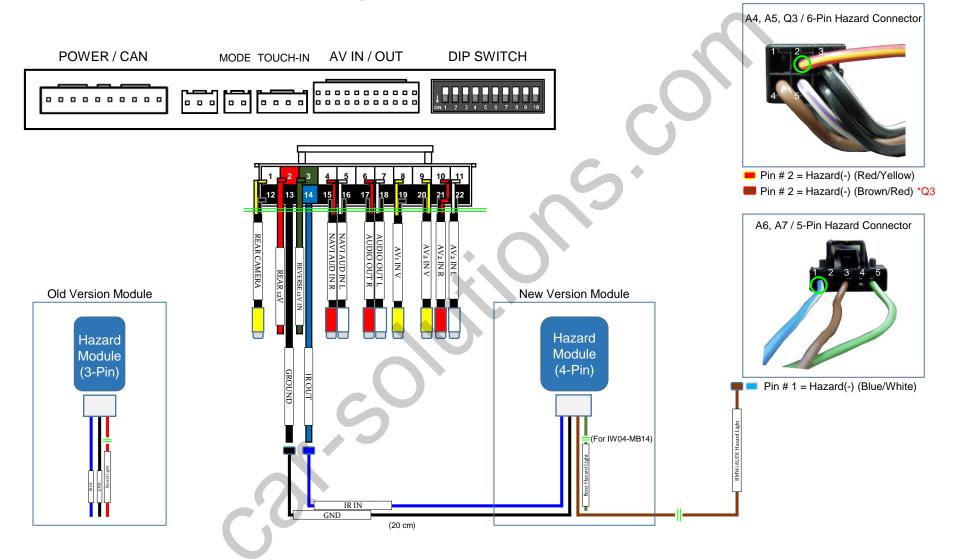
LVDS Connection Diagram



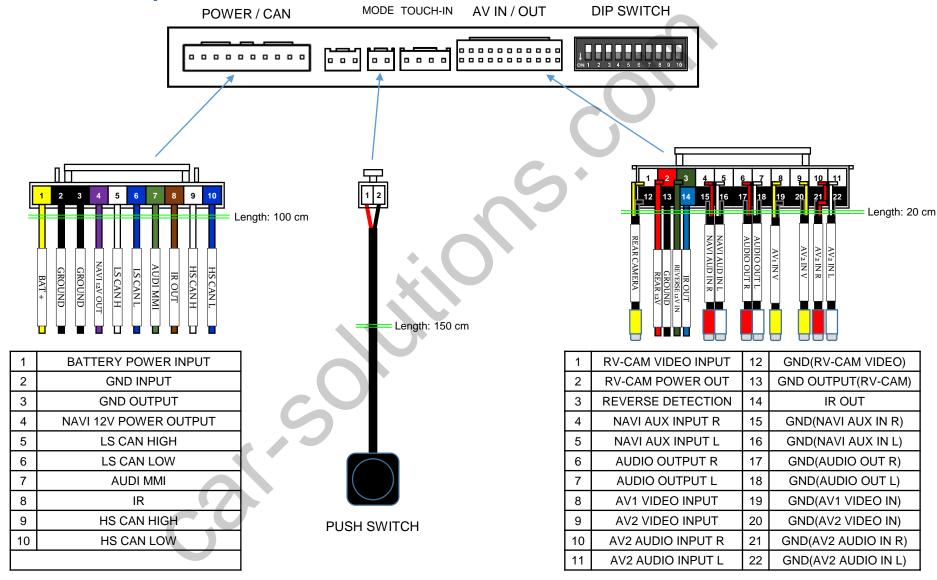
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Hazard Module Connection Diagram



Body Connector specifications



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

Car Compatibility Chart

Car Models	Production Year	Specific Models
A1	2015 -	
A4	2010 -	B8
A5	2011 -	8T
A6	2010 - 2011	C6 (MMI 3G)
A6	2011 - 2014	C7
A7	2010 - 2014	4G
A8	2010 -	D4
Q3	2012 -	8U
Q5	2009 -	8R
Q7	2010 -	4L



Activation by original buttons of Audi



MMI 3G Plus Controller



MMI 3G Controller

For MMI 3G Plus & MMI 3G

Button	Function	Operation	Remarks			
1 NAV	Changing Modes	Press the button 2 seconds.	Order: HDMI → NAVI → AV1 → AV2 → OEM			
		Press the button 2 times consecutively	$/.$ < OEM \rightarrow NAVI >			
1 NAV	Shortcut to each modes	Press the button 3 times consecutively. < OEM → AV1 > *It could also use 'iNAV(New) or MODE(Old) button' on the steering wheel.				
	*	Press the button 4 times consecutively	(Old) button' on the steering wheel.			
1 NAV	System Locking / Unlocking	Press the button 10 seconds long.	lock the all functions of this device. It is only possible to use the OEM			
Other Buttons	Back to OEM	Press the button short.	Return to the OEM mode in any modes.			
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.			
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.			

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Activation by original buttons of Audi Q3 6.5-inch screen model





Steering Wheel buttons 6.5-inch screen(Entry model)

For Q3 6.5-inch screen model

Button	Function	Operation	Remarks
1 iNAV	Changing Modes	Press the 'iNAV' button short.	Order: HDMI \rightarrow NAVI \rightarrow AV1 \rightarrow AV2 \rightarrow OEM
Other Buttons	Back to OEM	Press the button short.	Return to the OEM mode in any modes.

Setting Menu

Button	Function	Operation	
2 *	Enter into the setting menu	Press the '*' button 5 seconds long.	
1 iNAV	Back to previous menu	Press the button short.	
Selection VOICE		Press the button short.	
4 5	Move the menu and adjust the values.	Press the button short.	

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DIP Switch Settings





▼ ON	OFF:▲	ON
------	-------	----

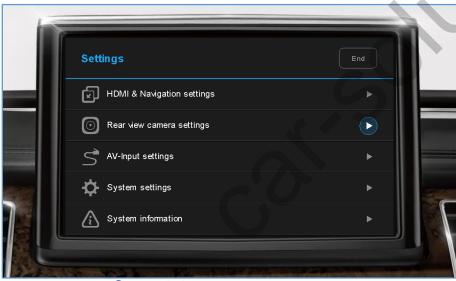
Pin No.	ON(▼)	OFF(▲)			
1	HDMI Mode	Skip HDMI Mode			
2	Navigation Mode	Skip Navigation Mode			
3	External Rear View Camera	Original Rear View Camera			
4	External Front View Camera(AV1 Mode)	Skip External Front View Camera(AV1 Mode)			
5	AV2 Mode	Skip AV2 Mode			
6					
7		5			
8	Selection o	f car model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

No.6	No.7	No.8	No.9	No.10	Car Models	CAN wires Information
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	A6, A7, A8/2012~ (8-inch / 800*480)	HS CAN = Climate controller
OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	OFF(▲)	A4 / 2010 (7-inch / 800*480)	HS CAN = Climate controller LS CAN = Gateway+BEM
OFF(▲)	ON(▼)	ON(▼)	OFF(▲)	ON(▼)	A4 / 2010 (7-inch / 800*480)	HS CAN = Climate controller LS CAN = Gateway+BEM
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	A4 / 2011 , Q5 / 2012 (7-inch / 800*480)	HS CAN = Climate controller LS CAN = Gateway+BEM
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	A4, A5 / 2012~ (7-inch / 800*480)	HS CAN = Climate controller
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	Q3 / 2012~2013 (7-inch / 800*480)	HS CAN = Climate controller LS CAN = LWR Steuergerät
OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	ON(▼)	Q3 / 2014~ (7-inch / 800*480)	HS CAN = Climate controller LS CAN = LWR Steuergerät
OFF(▲)	ON(▼)	ON(▼)	OFF(▲)	OFF(▲)	Q3 / 2014~ (6.5-inch / 400*240)	HS CAN = Climate controller
OFF(▲)	ON(▼)	OFF(▲)	OFF(▲)	OFF(▲)	Q5 / 2009~2012 Q7 / 2010	HS CAN = Climate controller (7-inch / 800*480)
OFF(▲)	ON(▼)	OFF(▲)	ON(▼)	OFF(▲)	A6 / 2012~ (6.5-inch / 400*240)	HS CAN = Climate controller
OFF(▲)	ON(▼)	OFF(▲)	OFF(▲)	ON(▼)	Q5 / 2013 (7-inch / 800*480)	HS CAN = Climate controller
OFF(▲)	ON(▼)	OFF(▲)	ON(▼)	ON(▼)	A1 / 2015~ (6.5-inch / 800*480)	HS CAN = Climate controller LS CAN = LWR Steuergerät
OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	ON(▼)	Q7 / 2013~ (7-inch / 800*480)	HS CAN = Climate controller
OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	OFF(▲)	A6 / 2010~2011 (7-inch / 800*480) WWW.ca	HS CAN = Climate controller r-solutions.com

For MMI 3G Plus & MMI 3G



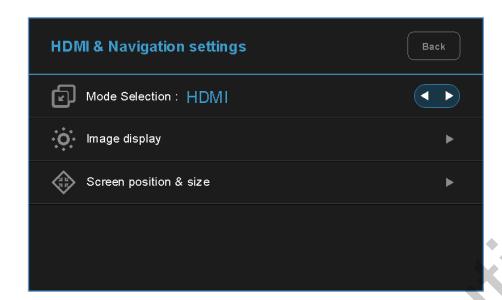
	Button	Function	Operation
1	MENU(SETUP)	Enter into the setting menu	Press the button 5 seconds long.
2	BACK(RETURN)	Back to previous menu	Press the button short.
3	Selection	Select the menu and setting values.	Press the button short.
4	Turn the dial clockwise	Move the menu- pointer and adjust the setting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

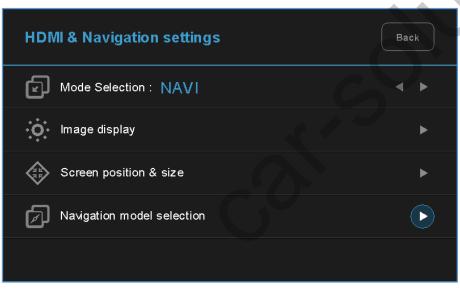


1. Enter into the setting menu.

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

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





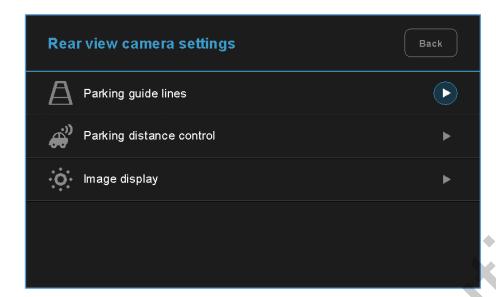
2. HDMI mode settings

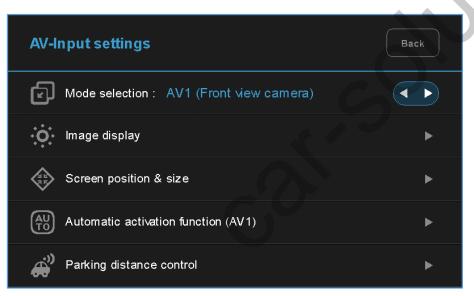
- Mode selection: HDMI ↔ NAVI
- Image display
 - = Adjust the values of brightness and contrast Red-Green-Blue colors of HDMI display.
- Screen position & size
 - = Adjust position and size of HDMI display.

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



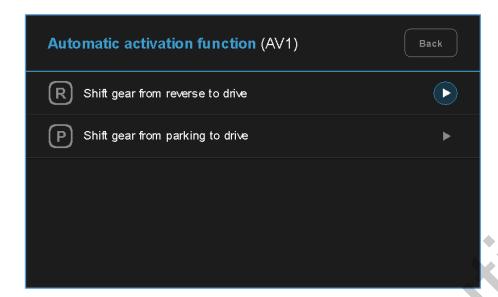


4. Rear view camera settings

- 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.

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'. www.car-solutions.com





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.

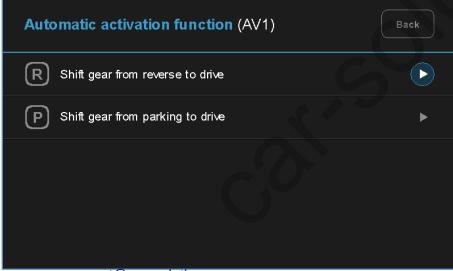


7. AV2 settings

- 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
 - = Adjust the position and size of AV2 display.

(SURROUND VIEW OPTION)

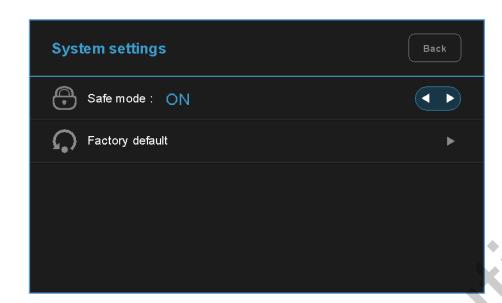


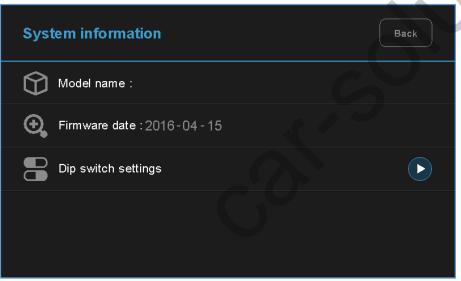


Keep the rear camera view

- 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 during the activation time you selected.





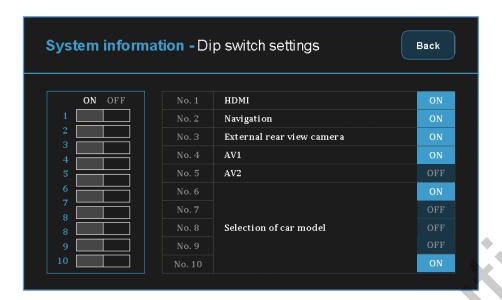


8. System settings

- 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.

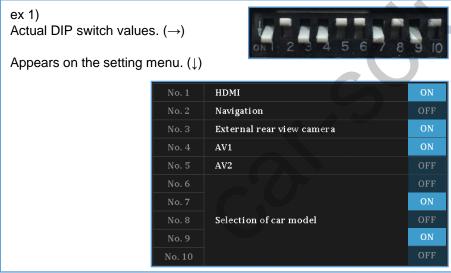
9. System information

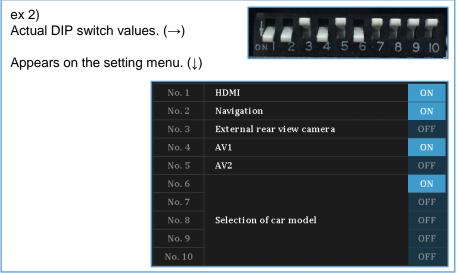
- Mode name:
- Firmware date: 2016 04 15(Latest firmware date)
- You can check the current firmware version date.
- Dip switch settings
 - = You can check the current positions of dip switch settings.



10. Information of Dip switch settings

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





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