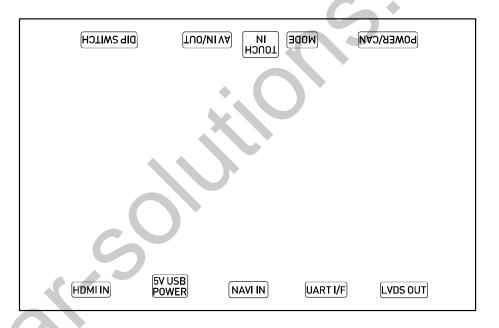


High-Definition Link for Audi

Manual



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Cautions

- 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.

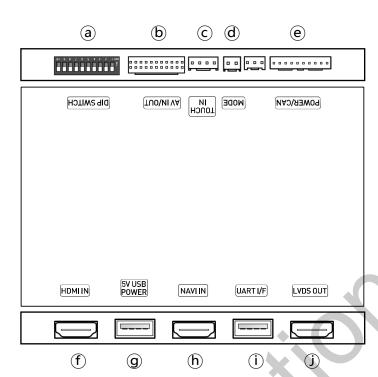
HDMI device-related

- HDMI mode accepts general-screen resolution of HDMI devices.
 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 'ACC (12V) OUT' wire supported by 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.

Exterior



- (a) DIP SWITCH
- b AV IN / OUT
- © TOUCH IN
- d MODE
- (f) HDMI IN
- g 5V USB POWER
- h NAVI IN
- (i) UART I/F
- (j) LVDS OUT

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Components



Optional Parts(sold separately)



TTA 24-Pin to HDMI Gender (For iNAVI CUBE)

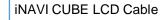


Touch-IN Cable



Optional Parts(purchased separately)



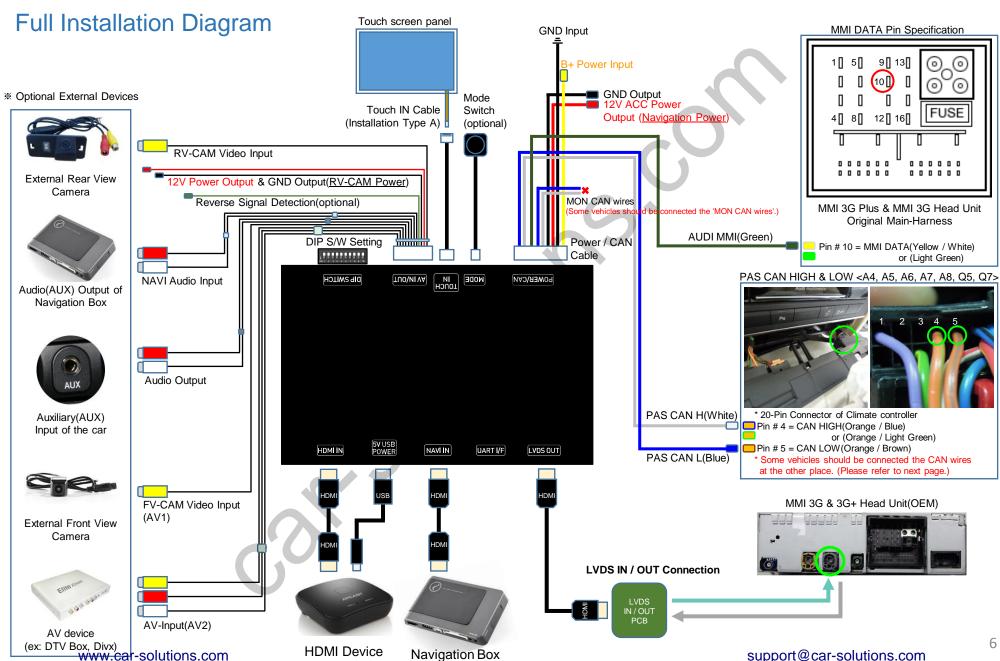




HDMI Cable (Male to Male)

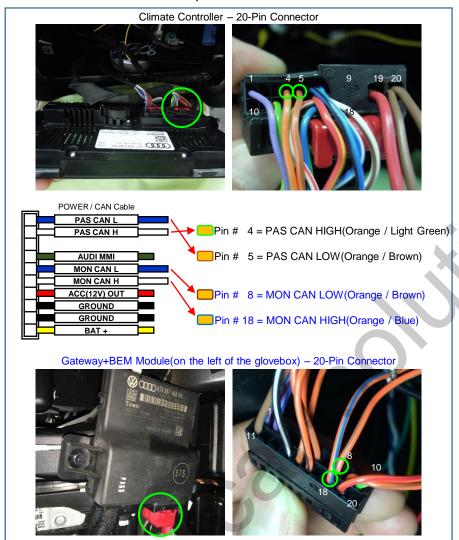


HDMI extender (For stick type HDMI device)



CAN wires information(exceptions)

< 2010, 2011 Audi A4 >

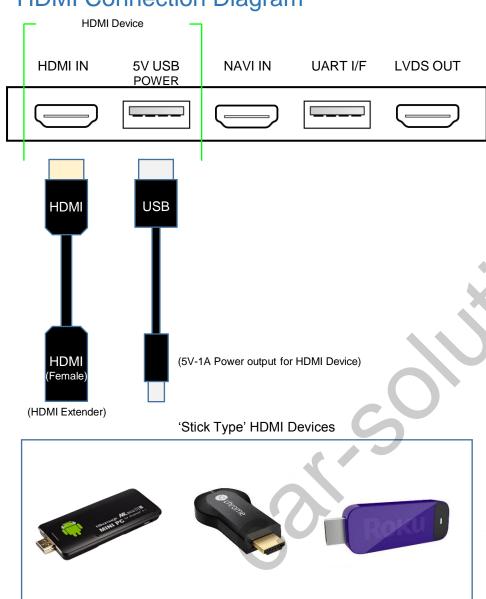


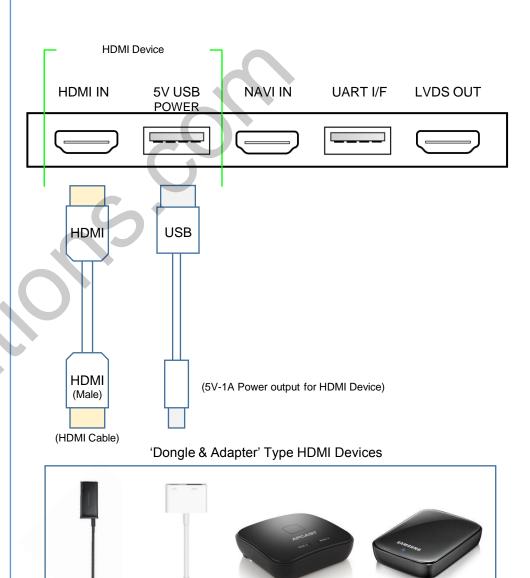
< 2012~ Audi Q3 >



- Normally, general models of Audi should be just connected the 'PAS 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.
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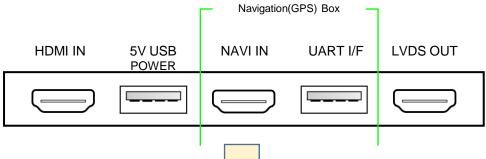


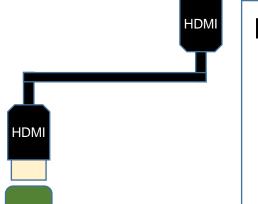




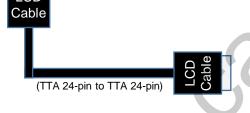
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Navigation Connection Diagram(Type A)







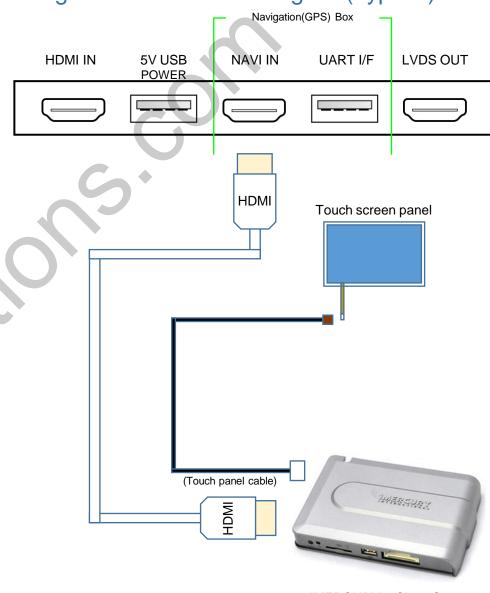


iNAVI - CUBE

TOUCH IN

Touch screen panel

Navigation Connection Diagram(Type B)



iMERCURY - Class Settop

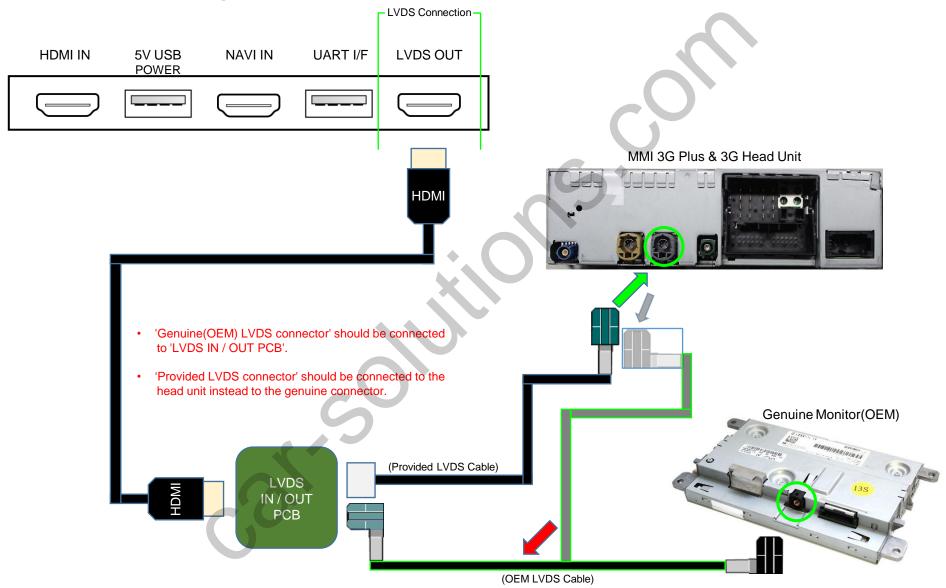
Compatibility Chart for Navigation(GPS) box models – Korea Market

	Model	Country	Dip S/W (Navigation)	Required Parts	Installation Type
	CUBE(Light) - iNAVI	South Korea	OFF(†): 1, 2, 3, 4	CUBE LCD Cable (iNAVI) Cable (iNAVI) Cable (TTA 24-pin to HDMI) (Male to Male)	Type A
MARKSHEY.	Class Settop - iMERCURY	South Korea	ON(1): 1, 2, 3 OFF(1): 4, 5	HDMI Cable (HDMI to HDMI)	Туре В
	S				

[•] The device supports navigation(GPS) box models equipped with 'Digital video output'.

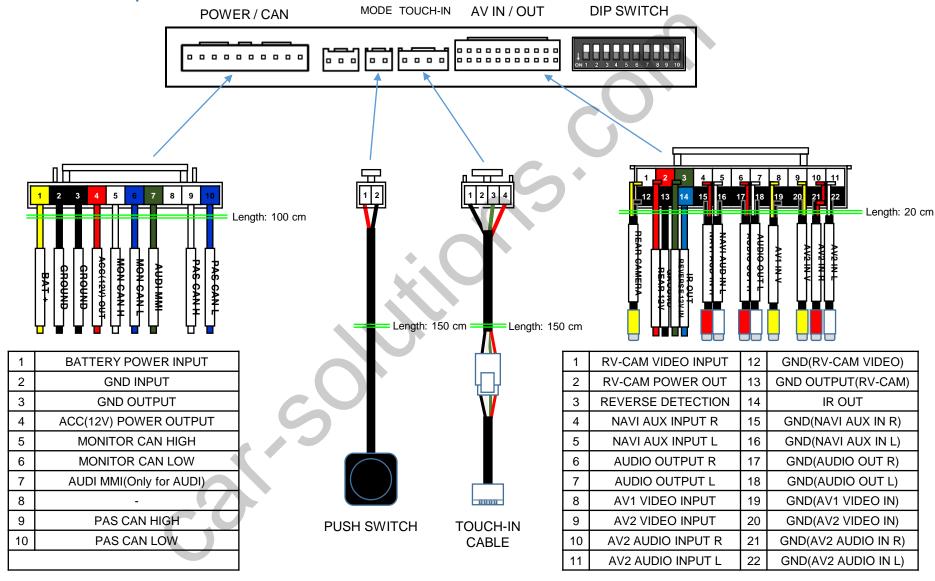
It does not support the 'RGB video'.
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LVDS Connection Diagram



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Body Connector specifications



The colors of each wires can be changed under manufacturer's circumstance. www.car-solutions.com

Car Compatibility Chart

Car Models	Production Year	Specific Models
A4	2010 -	B8
A5	2009 -	8T
A6	2010 - 2011	C6(MMI 3G)
A6	2011 -	C7
A7	2010 -	4G
A8	2009 - 2010	D3(MMI 3G)
A8	2010 -	D4
Q3	2012 -	8U
Q5	2009 -	8R
Q7	2009 -	4L



Activation by original buttons of Audi



MMI 3G Plus Controller



MMI 3G Controller

Steering wheel buttons – $\ensuremath{\mathsf{NEW}}$



Steering wheel buttons - OLD

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For MMI 3G Plus & MMI 3G

Button	Function	Operation	Remarks
1 NAV	Changing Modes	Press the button short.	Order: HDMI → NAVI → AV2 → OEM
1 NAV	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of the device. It is only possible to use the OEM functions under it is locked.
i NAV (MODE)	Changing mode to Front View Camera mode(AV1)	Press the button 2 seconds long.	It changes the screen from any modes to AV1 mode directly.
BACK (RETURN)	Reset to factory default setting and power.	Press the button 5 seconds long.	You can use this function when you get in trouble to see the screen while setting the screen.
Other Buttons	Back to OEM	Press the button short.	Return to the OEM mode in any modes.

DIP Switch Settings

OFF	-	•				•		•		-	ON: ▼	OFF:▲	-
ON	ONI	2	3	4	5	6	7	8	9	10	ON ON	011.	ON

Pin No.	ON(▼)	OFF(▲)	No.6	No.7	No.8	No.9	No.10	Car Models	CAN wires Information
1	HDMI Mode	Skip HDMI Mode	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	A6, A7 / 2012~ (8-inch / 800*480)	PAS CAN = Climate controller
2	Navigation Mode	Skip Navigation Mode	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	A4 / 2010, 2011 (7-inch / 800*480)	PAS CAN = Climate controller MON CAN = Gateway+BEM
3	External Rear View Camera	Original Rear View Camera	OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	A4, A5 / 2013~ (7-inch / 800*480)	PAS CAN = Climate controller
4	External Front View Camera(AV1 Mode)	Skip External Front View Camera(AV1 Mode)	OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	Q3 / 2012~ (7-inch / 800*480)	PAS CAN = Climate controller MON CAN = LWR Steuergerät
5	AV2 Mode	Skip AV2 Mode							
6									
7									
8	Selection o	f car model							
9									
10		CO							

For MMI 3G Plus & MMI 3G



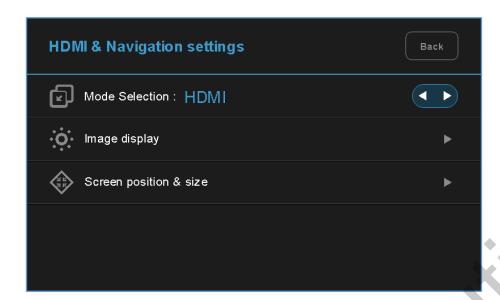
	Button	Function	Operation
1	MENU(SETUP)	Enter into the setting menu	Press the button 5 seconds long.
2	BACK(RETURN)	Back to previous menu	Press the button short.
3	Selection	Select the menu and setting values.	Press the button short.
4	Turn the dial clockwise	Move the menu- pointer and adjust the setting 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(\downarrow) and left(\leftarrow).

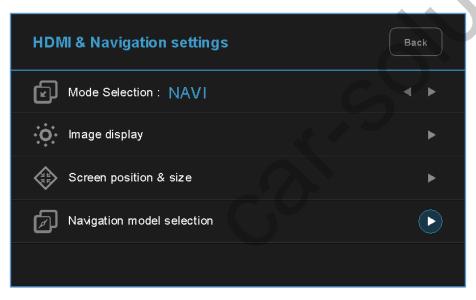


1. Enter into the setting menu.

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

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



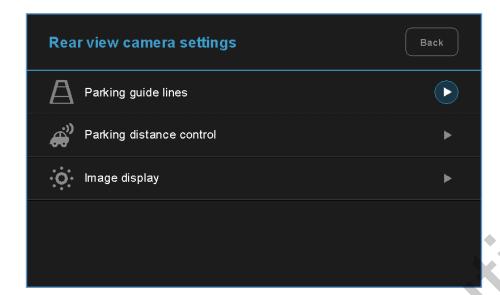


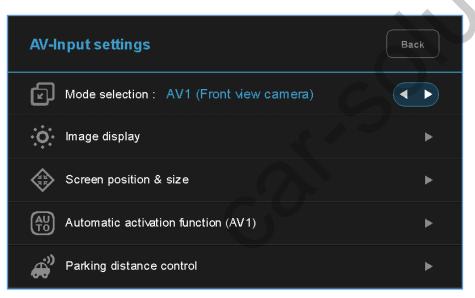
2. HDMI mode settings

- 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 Default ② iNAVI CUBE
- 3 imercury Class settop



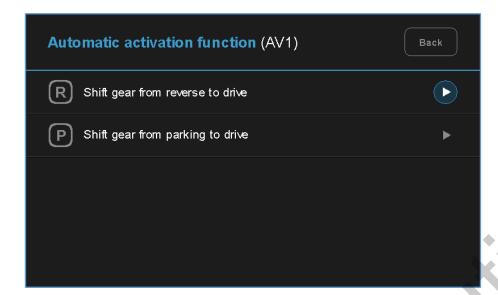


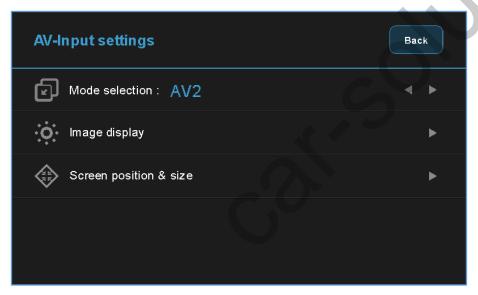
4. Rear view camera settings

- 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'. support@car-solutions.com





6. Automatic activation function(AV1)

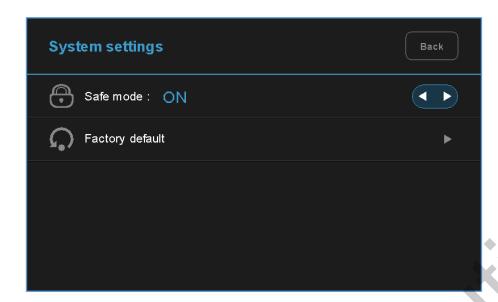
- Shift gear from reverse to drive
- Shift gear from parking to drive
 - * When you shift gear 'from reverse to drive' or 'from parking to drive', it just works automatically during the activation time you selected.

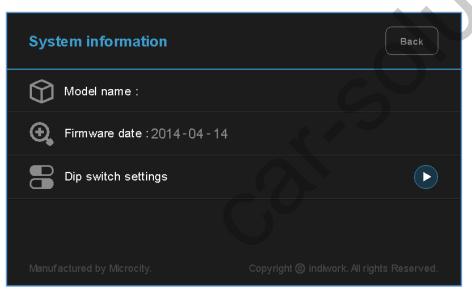


7. AV2 settings

- 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.

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8. System settings

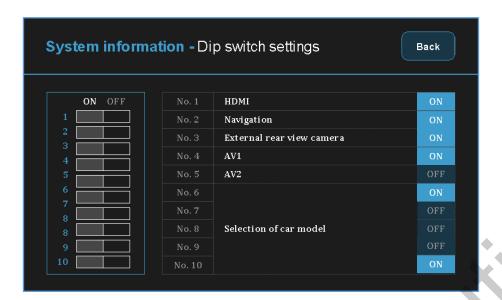
- Safe mode
 - = Select the one of two between 'ON and OFF'.
 - * If you select 'ON', 3 modes(HDMI, NAVI and AV2) will be faded out when the car is driven.
- Factory default
 - = Reset all setting values to factory default setting.

9. System information

- Firmware date: 2014 04 14(The latest firmware date)
- = You can check the current firmware version date.
- Dip switch settings
 - = You can check the current positions of dip switch settings.

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10. Information of Dip switch settings

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

