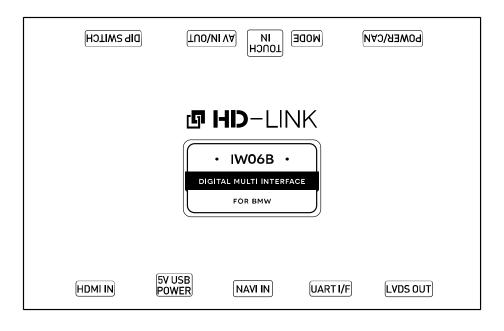
Release Date: 2014 - 06 - 02

Instruction Manual

High-Definition Link for BMW



Model Name	CF-V-AX-HDMI-BMW
Latest Firmware Date	2014 - 05 - 30
Manual Version	Rev. 2.0
Language	English

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Cautions

IW06B-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.
 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.

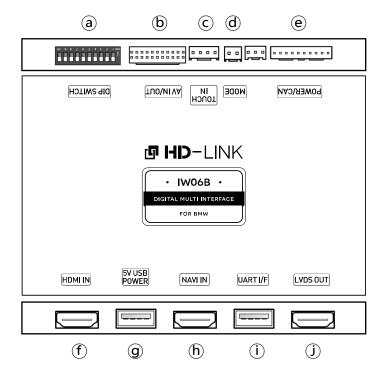
Navigation(GPS) box-related

- When you connect the power wires(B+, ACC) to the navigation(GPS) box,
 the 'ACC (12V) OUT' wire supported by IW04M 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
- d MODE
- e POWER / CAN
- (f) HDMI IN
- g 5V USB POWER
- (h) NAVI IN
- (i) UART I/F
- (j) LVDS OUT

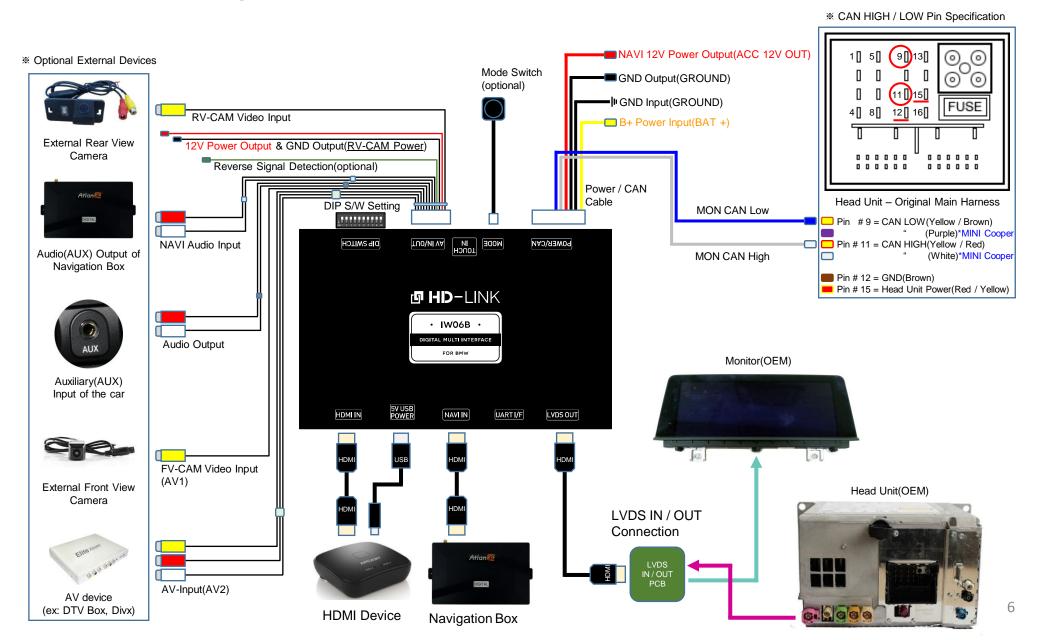
Components



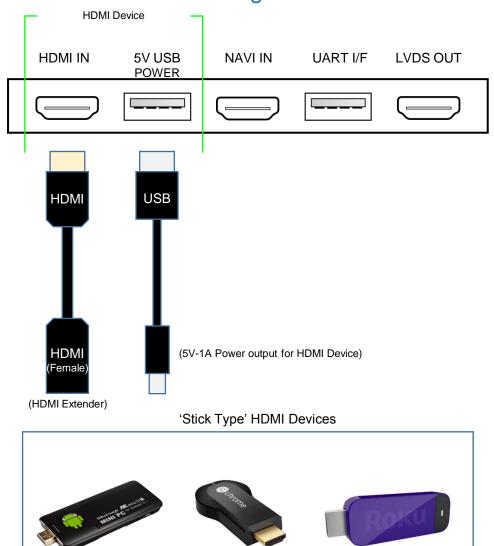
Optional Parts(sold separately at the indiwork)

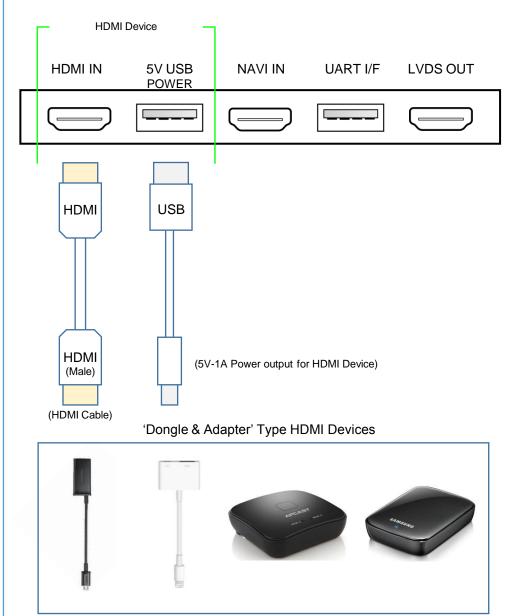


Full Installation Diagram

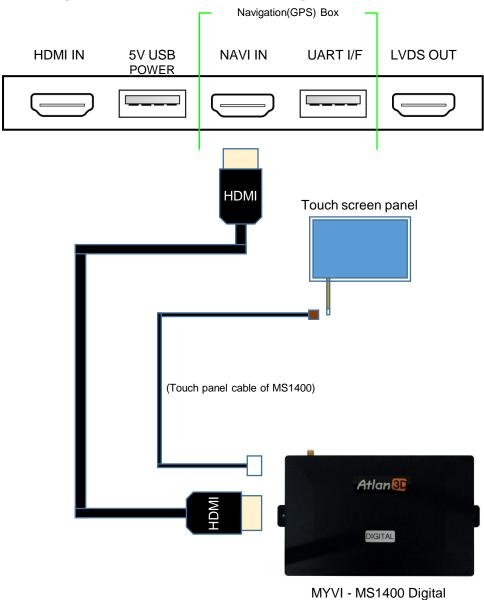


HDMI Connection Diagram





Navigation Connection Diagram



Navigation(GPS) Box HDMI IN 5V USB **NAVI IN** UART I/F LVDS OUT **POWER** HDMI Touch screen panel (Touch panel cable of Class settop) HARRENEY

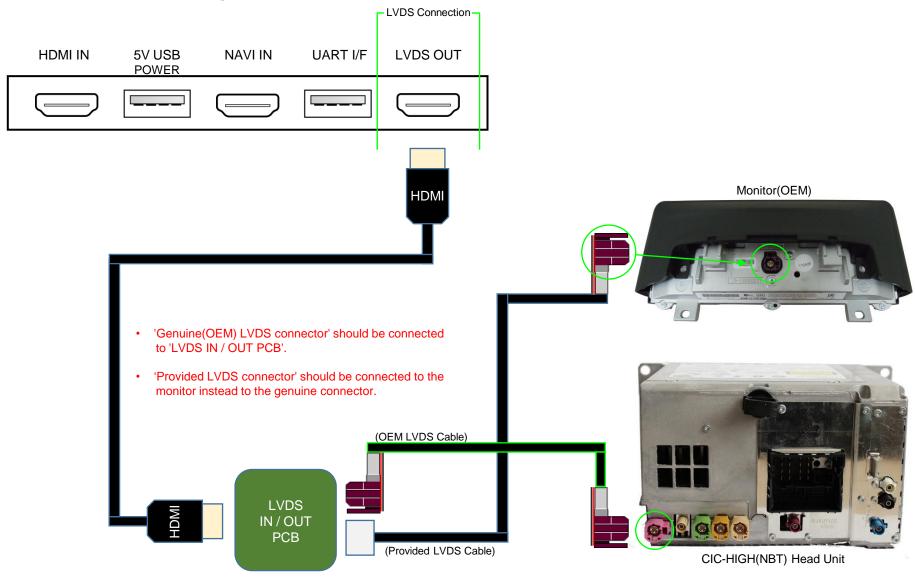
Compatibility Chart for Navigation(GPS) box models

	Model	Country	Dip S/W (Navigation)	Required Parts	Remarks
Atlan <mark>ge</mark> Digital	MYVI MS1400 Digital	South Korea	ON 1 2 3 4 OFF(↓): 1, 2, 3 ON(↑) : 4	HDMI Cable (HDMI to HDMI)	
THENSTHY.	iMERCURY Class Settop	South Korea	ON(\$\(\psi\): 1, 2, 3 OFF(\$\(\psi\): 4, 5	HDMI Cable (HDMI to HDMI)	

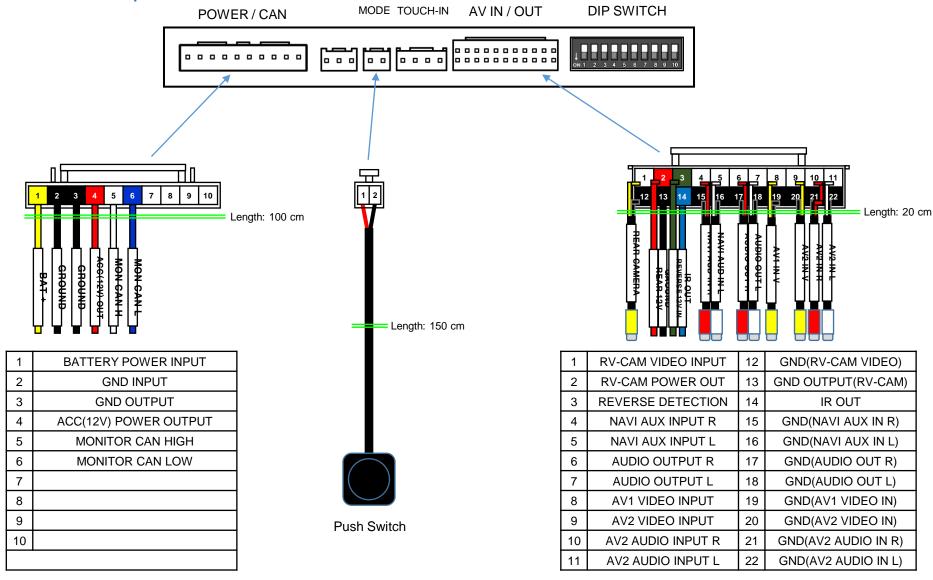
[•] The 'IW06B(HD-Link)' supports navigation(GPS) box models equipped with 'Digital video output'.

• It does not support the 'RGB video'.

LVDS 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	
3 Series	2012 -	F30, F31, F34(3 GT)	
4 Series	2014 -	F32, F33, F36	
5 Series	2012 -	F10, F11, F07(5 GT)	
6 Series	2012 -	F12, F13	
Mini Cooper 2014 -		F56	



Activation by original buttons of BMW



BMW iDrive Controller



MINI iDrive Controller

For BMW & MINI Cooper

Button	Function	Operation	Remarks
1 MENU	Changing Modes	Press the button 2 seconds long.	Order: HDMI \rightarrow NAVI \rightarrow AV2 \rightarrow OEM
1	Shortcut to	Press the button 2 times. $\langle OEM \rightarrow N$	IAVI >
MENU	each modes	Press the button 3 times. $\langle OEM \rightarrow A$	V2 >
1 MENU	Back to OEM	Press the button short.	Return to the OEM mode in any modes.
1 MENU	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of IW04M. It is only possible to use the OEM functions under it is locked.
LEFT PUSH	Changing mode to Front View Camera mode(AV1)	Push the button left 2 seconds long.	It changes the screen from any modes to AV1 mode directly.
RIGHT PUSH	Changing screen ratio <16:9 ↔ 4:3>	Push the button right 2 seconds long.	You can use this function only for 3 modes. (HDMI, NAVI, AV2)
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.

DIP Switch Settings



ON: ▼

OFF:▲

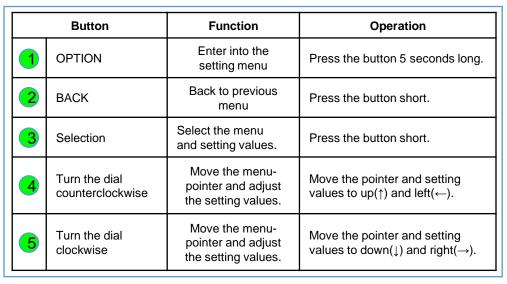
Pin No.	ON(▼)	OFF(▲)
1	HDMI Mode	Skip HDMI Mode
2	Navigation Mode	Skip Navigation Mode
3	External Rear View Camera	Original Rear View Camera
4	External Front View Camera(AV1 Mode)	Skip External Front View Camera(AV1 Mode)
5	AV2 Mode	Skip AV2 Mode
6		
7		
8	Selection o	f car model
9		
10		

No.6	No.7	No.8	No.9	No.10	Car Models
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	5 Series (10.2-inch screen / F10)
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	3 Series (8.8-inch screem / F30)
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	Mini Cooper (8.8-inch screen / F56)

For BMW & MINI Cooper





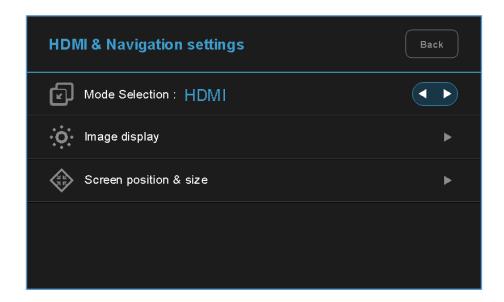


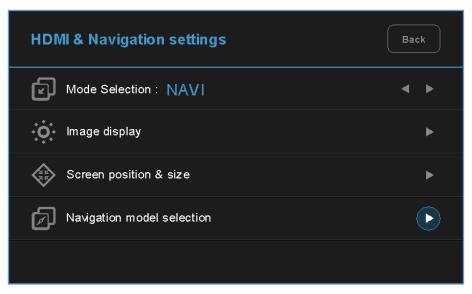


1. Enter into the setting menu.

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

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



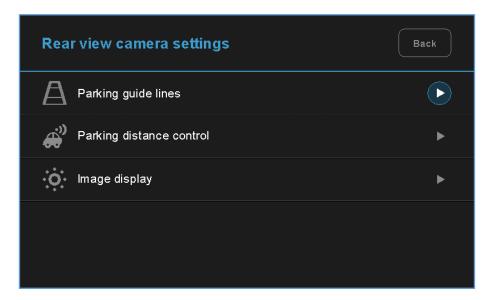


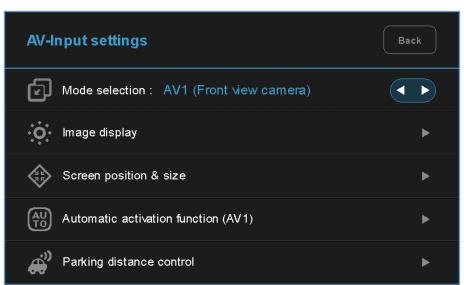
2. HDMI mode settings

- 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 model selection
 - = Entry Disabled / Not applicable.
 - ① MYVI MS1400 Digital
- ② imercury Class settop



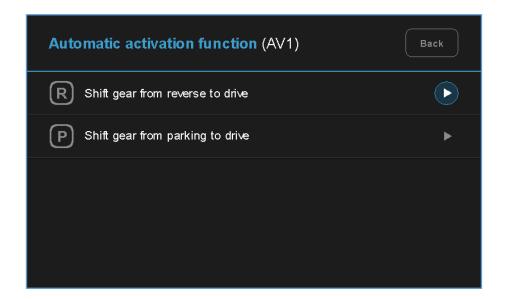


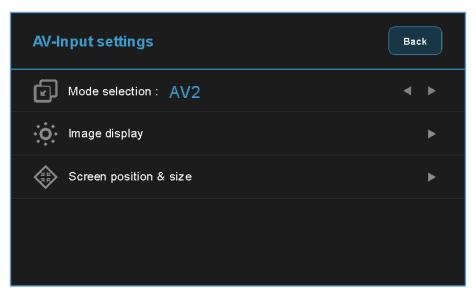
4. Rear view camera settings

- Parking guide lines
 - = Adjust position of parking guide lines and select the lines 'ON or OFF'.
- Parking distance control
 - = Entry Disabled / PDC function is always activated.
- 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
 - = Entry Disabled / PDC function is always activated





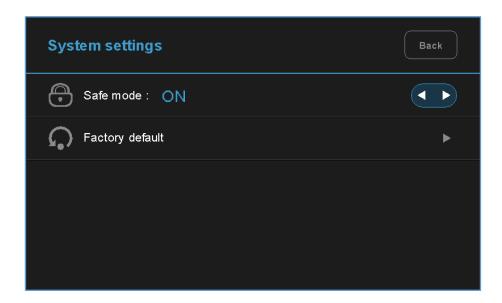
6. Automatic activation function(AV1)

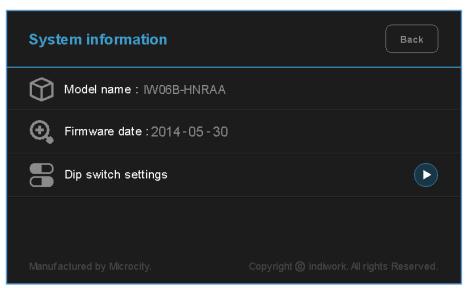
- Shift gear from reverse to drive
- Shift gear from parking to drive
 - * When you shift gear 'from reverse to drive' or 'from parking to drive', it just works automatically during the activation time you selected.



7. AV2 settings

- Image display
 - Adjust the values of brightness and contrast Red-Green-Blue colors of AV2 display.
- Screen position & size
 - = Entry Disabled / Not applicable.



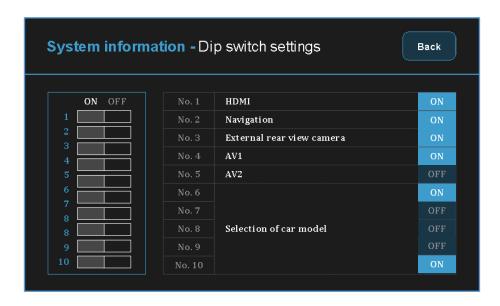


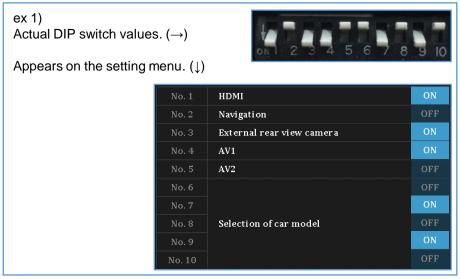
8. System settings

- 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: IW06B-HNRAA
- Firmware date: 2014 05 30(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.

