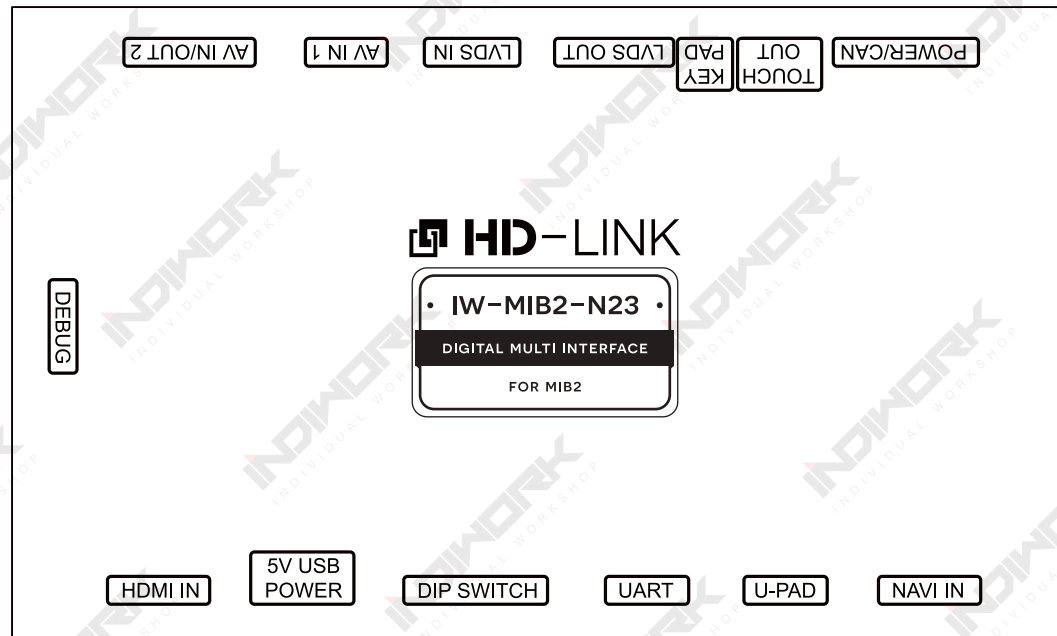


# Instruction Manual

High-Definition Link for MIB2

## IW-MIB2-N23



|                      |                |
|----------------------|----------------|
| Model Name           | IW-MIB2-N23    |
| Latest Firmware Date | 2020 - 03 - 24 |
| Manual Version       | Rev. 2.8       |
| Language             | English        |

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# Precautions

- **IW-MIB2-N23 - 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 1 2V power of reverse light.

- **HDMI Device-related**

HDMI mode accepts general-screen resolution of HDMI devices.

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 IW-MIB2-N23 should be spliced with an ACC wire of navigation box.

The navigation box should be powered off before unplugging the HDMI cable.

# Car Compatibility Chart



| Car Models | Production Year | Specific Models                                      |
|------------|-----------------|------------------------------------------------------|
| A3         | 2013 - 2016     | - Audi A3 MMI Radio<br>- Audi A3 MMI Navigation Plus |
| A4         | 2016 -          | - MIB2 STD, MIB2 Main-Unit                           |
| A6         | 2016 -          | - MIB2 STD, MIB2 Main-Unit                           |
| A7         | 2016 -          | - MIB2 STD, MIB2 Main-Unit                           |
| Q5         | 2016 -          | - MIB2 STD, MIB2 Main-Unit                           |
| Q7         | 2016 -          | - MIB2 STD, MIB2 Main-Unit                           |



AUDI A3(7inch)



AUDI A3 (5.8inch)



AUDI A4 ,Q5



AUDI Q7



AUDI A6,A7 4G MMI



Click  
Go to DIP Swtich Setting page



Click  
Go to contents page



# Car Compatibility Chart



**Volkswagen**

| Car Models | Production Year | Specific Models                                                                                                                                                                                    |
|------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POLO       | 2016 -          | <ul style="list-style-type: none"> <li>- VW Composition Media (6.5inch, 8-inch)</li> <li>- VW Discover Media Pro (6.5inch, 8-inch)</li> <li>- 2017 Discover Media, Pro(8inch, 9.2-inch)</li> </ul> |
| GOLF       | 2016 -          | <ul style="list-style-type: none"> <li>- VW Composition Media (6.5inch, 8-inch)</li> <li>- VW Discover Media Pro (6.5inch, 8-inch)</li> <li>- 2017 Discover Media, Pro(8inch, 9.2-inch)</li> </ul> |
| TIGUAN     | 2016 -          | <ul style="list-style-type: none"> <li>- 2017 Discover Media, Pro(8inch, 9.2-inch)</li> </ul>                                                                                                      |
| PASSAT     | 2016 -          | <ul style="list-style-type: none"> <li>- 2017 Discover Media, Pro(8inch, 9.2-inch)</li> </ul>                                                                                                      |
|            |                 |                                                                                                                                                                                                    |



**Composition Media  
(5.8inch, 6.5inch, 8inch)**



**Discover Pro(8-inch)  
Discover Media (6.5inch, 8inch)**



**SKODA**

| Car Models | Production Year | Specific Models                                                                               |
|------------|-----------------|-----------------------------------------------------------------------------------------------|
| Octavia    | 2016 -          | <ul style="list-style-type: none"> <li>- 2017 Discover Media, Pro(8inch, 9.2-inch)</li> </ul> |



**2017 Discover Media (8-inch)**



**2017 Discover Pro(9.2-inch)**



Click  
Go to DIP Swtich Setting page



Click  
Go to contents page

# Car Compatibility Chart



**PORSCHE**

| Car Models        | Production Year | Specific Models |
|-------------------|-----------------|-----------------|
| Panamera          | 2017 -          | - PCM 4.1       |
| 911 Carrera (991) | 2017 -          | - PCM 4.0       |
| Macan             | 2017 -          | - PCM 4.0       |



**PANAMERA PCM 4.1**



**MACAN PCM 4.0**



**BENTLEY**

| Car Models | Production Year | Specific Models        |
|------------|-----------------|------------------------|
| BENTAYGA   | 2016 -          | - Bentley Infotainment |



**Bentley Infotainment**



Click  
Go to DIP Swtich Setting page

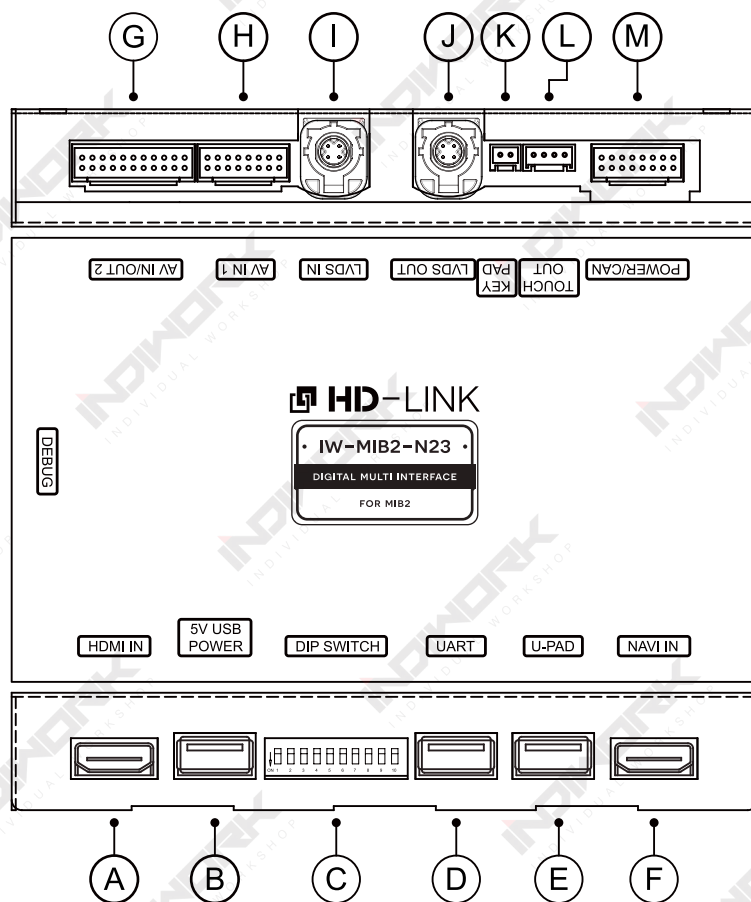


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## Dimension



## Exterior



- |                |                 |
|----------------|-----------------|
| Ⓐ HDMI IN      | Ⓔ AV IN / OUT 2 |
| Ⓑ 5V USB POWER | Ⓕ AV IN 1       |
| Ⓒ DIP SWITCH   | Ⓖ LVDS IN       |
| Ⓓ UART         | Ⓗ LVDS OUT      |
| Ⓔ U-PAD        | Ⓙ KEY PAD       |
| Ⓕ NAVI IN      | Ⓛ TOUCH OUT     |
|                | Ⓜ POWER / CAN   |



# Components



**1. POWER Cable**



**2. LVDS Cable**



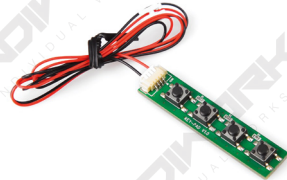
**3. AV Cable #1**



**4. AV Cable #2**



**5. IR Cable**



**5. KEYPAD**



**6. Micro USB**

## Optional Parts (sold separately at the indiwork)

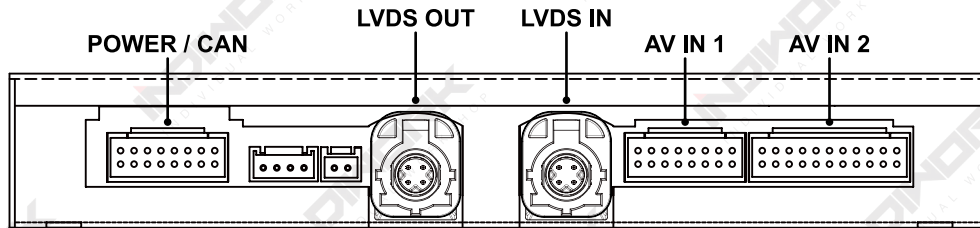


**Extend LVDS Cable**

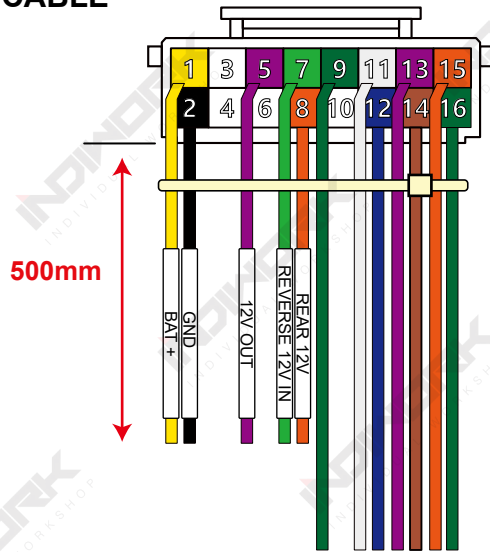




# Body Connector specifications

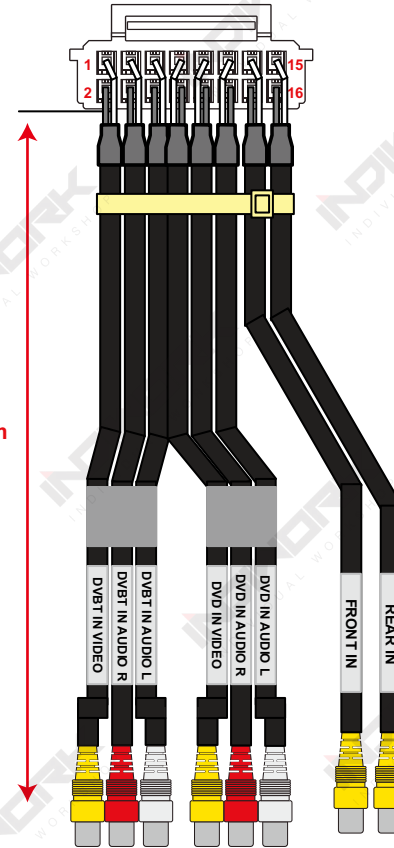


POWER / CAN  
CABLE



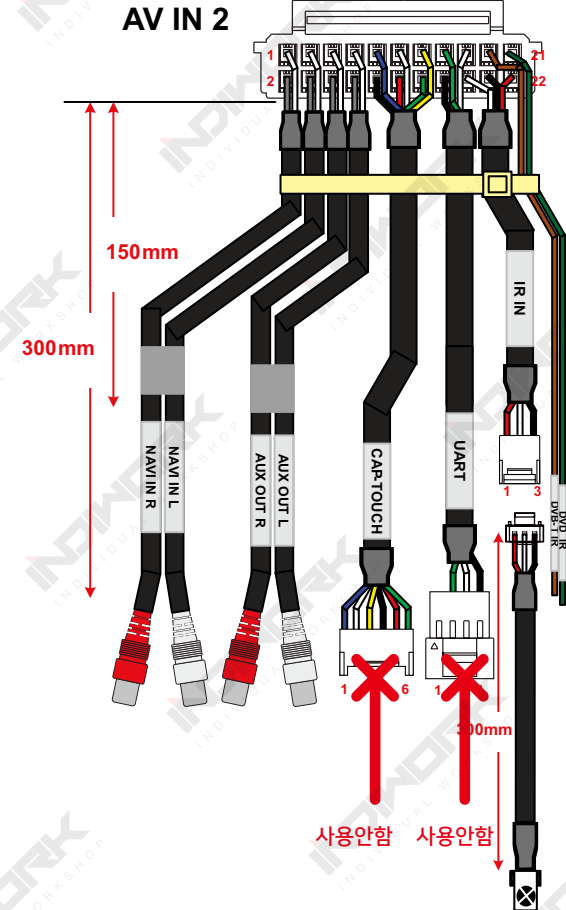
| POWER / CAN CABLE |                     |    |                         |
|-------------------|---------------------|----|-------------------------|
| 1                 | BATTERY POWER INPUT | 2  | GROUND INPUT            |
| 3                 | N.C                 | 4  | N.C                     |
| 5                 | 12V(ACC) <b>OUT</b> | 6  | N.C                     |
| 7                 | REVERSE DETECTION   | 8  | RV-CAM POWER <b>OUT</b> |
| 9                 | AUDI MMI            | 10 | N.C                     |
| 11                | ECU_CAN_IN_HIGH     | 12 | ECU_CAN_IN_LOW          |
| 13                | MON_CAN_IN_HIGH     | 14 | MON_CAN_IN_LOW          |
| 15                | MON_CAN_OUT_HIGH    | 16 | MON_CAN_OUT_LOW         |

LVDS OUT CABLE



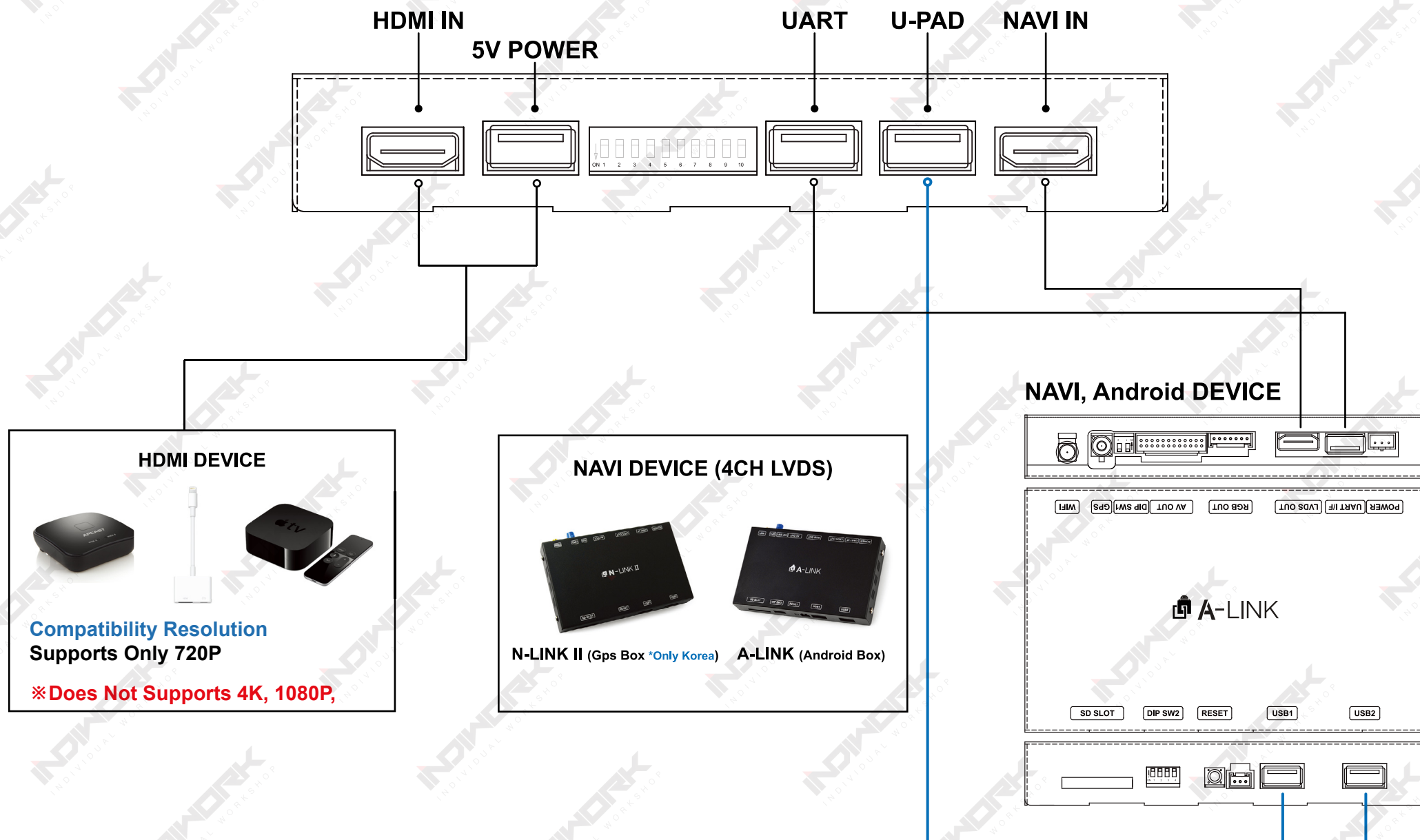
| AV CABLE #1 |           |    |     |
|-------------|-----------|----|-----|
| 1           | DVBT_IN_V | 2  | GND |
| 3           | DVBT_IN_R | 4  | GND |
| 5           | DVBT_IN_L | 6  | GND |
| 7           | DVD_IN_V  | 8  | GND |
| 9           | DVD_IN_R  | 10 | GND |
| 11          | DVD_IN_L  | 12 | GND |
| 13          | FRONT_IN  | 14 | GND |
| 15          | REAR_IN   | 16 | GND |

AV IN 2



| AV CABLE #2 |           |    |               |
|-------------|-----------|----|---------------|
| 1           | NAVI_IN_R | 2  | NAVI_IN_R_GND |
| 3           | NAVI_IN_L | 4  | NAVI_IN_L_GND |
| 5           | AUX_OUT_R | 6  | AUX_OUT_R_GND |
| 7           | AUX_OUT_L | 8  | AUX_OUT_L_GND |
| 9           | CAP_SCL   | 10 | CAP_GND       |
| 11          | CAP_SDA   | 12 | CAP_VDD_3.3V  |
| 13          | CAP_INT   | 14 | CAP_RST       |
| 15          | UART_TX   | 16 | UART_GND      |
| 17          | UART_RX   | 18 | IR_IN         |
| 19          | DVB-T_IR  | 20 | IR_GND        |
| 21          | DVD_IR    | 22 | IR_POWER      |

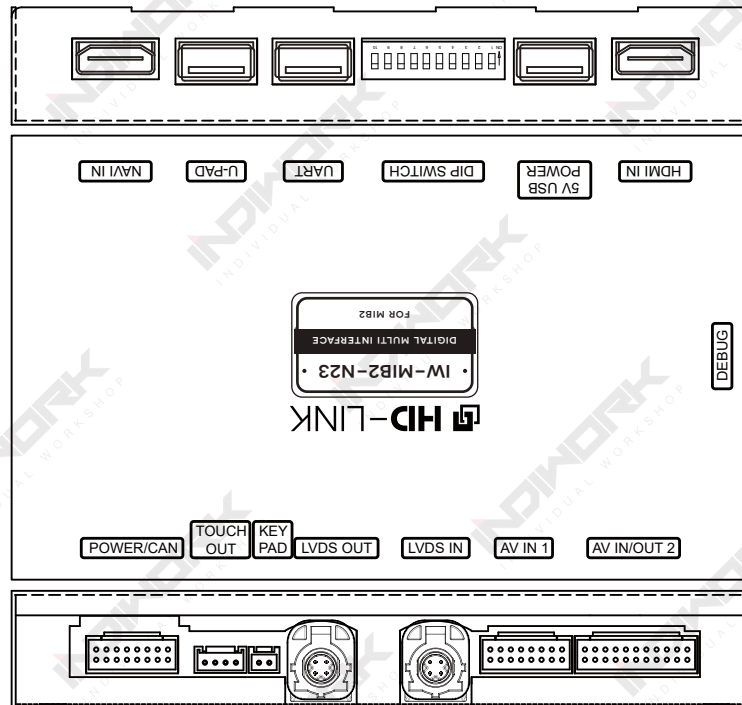
# Body Connector specifications



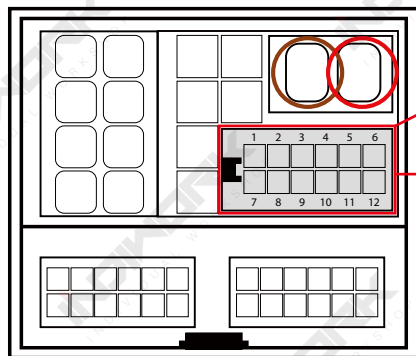
# Full Installation Diagram

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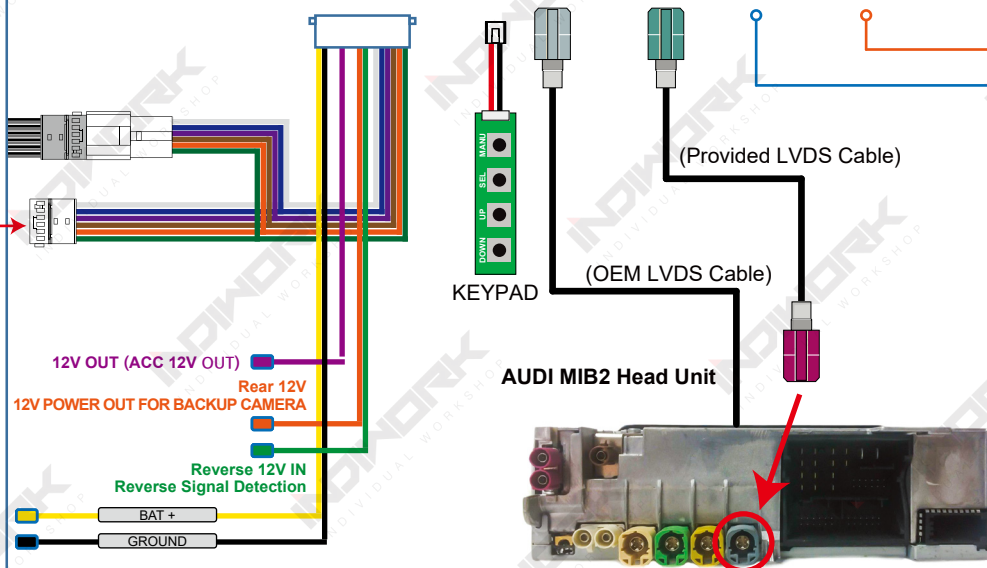
MIB2 Head Unit



MIB2 Head Unit Main Harness



(RED) B+ POWER = # PIN  
(Brown) GROUND = # PIN



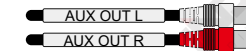
## AV IN 2 CABLE



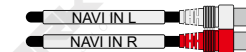
No Support devices



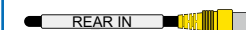
No Support devices



The sounds is automatically switched (HDMI,NAVI,DVB-T)



## AV IN 1 CABLE



VW MIB2 Head Unit  
SKODA MIB2 Head Unit  
(OEM LVDS)



Bentley Head Unit  
(OEM LVDS)



Porsche Head Unit  
PCM 4.1 (OEM LVDS)



Porsche Head Unit  
PCM 4.0 (OEM LVDS)



# DIP Switch Settings

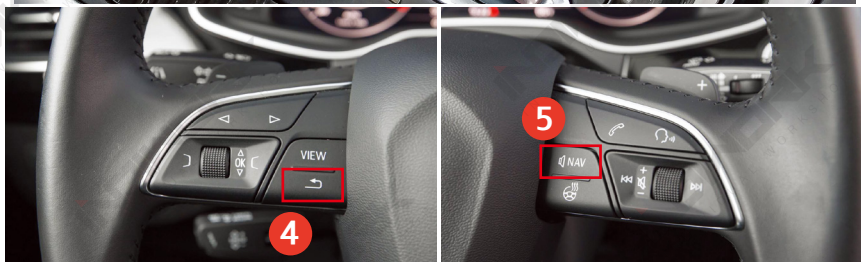


| PIN | ON (▼)                               | OFF(▲)                                           |
|-----|--------------------------------------|--------------------------------------------------|
| 1   | HDMI Mode                            | <b>Skip</b> HDMI Mode                            |
| 2   | Navigation Mode                      | <b>Skip</b> Navigation Mode                      |
| 3   | External Rear View Camera            | Original Rear View Mode<br>( <b>OEM CAMERA</b> ) |
| 4   | External Front View Camera(AV1 Mode) | <b>Skip</b> External Front View Camera(AV1 Mode) |
| 5   | AV2(DVBT) Mode                       | <b>Skip</b> AV2(DVBT) Mode                       |
| 6   | AV3(DVD) Mode                        | <b>Skip</b> AV3(DVD) Mode                        |
| 7   | Selection of car model               |                                                  |
| 8   |                                      |                                                  |
| 9   |                                      |                                                  |
| 10  |                                      |                                                  |

|                                                                                                 | No.7   | No.8   | No.9   | No.10  | Car Model                                       | Remarks                                                                                              |                |
|-------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------|
| <br>Volkswagen | OFF(▲) | OFF(▲) | OFF(▲) | OFF(▲) | VW / GOLF,PASSAT,TIGUAN<br>SKODA / Octavia      | 2017 Discover Media / 8-inch<br>Discover Media, Pro / 6.5, 8-inch<br>Composition Media / 6.5, 8-inch |                |
|                                                                                                 | OFF(▲) | ON (▼) | OFF(▲) | OFF(▲) | VW / GOLF,PASSAT,TIGUAN<br>SKODA / Octavia      | 2017 Discover Pro / 9.2-inch                                                                         |                |
|                                                                                                 | OFF(▲) | ON (▼) | ON (▼) | OFF(▲) | VW / GOLF,PASSAT,TIGUAN<br>SKODA / Octavia      | Composition Media / 5.8 inch<br>Composition Colour / 5.8 inch                                        |                |
| <br>SKODA      | ON (▼) | OFF(▲) | OFF(▲) | OFF(▲) | VW / GOLF,PASSAT,TIGUAN<br>SKODA / Octavia      | 2017 Discover Media / 8-inch<br>Discover Media, Pro / 6.5, 8-inch<br>Composition Media / 6.5, 8-inch | Manual<br>Gear |
|                                                                                                 | ON (▼) | ON (▼) | ON (▼) | OFF(▲) | VW / GOLF,PASSAT,TIGUAN<br>SKODA / Octavia      | Composition Media / 5.8 inch<br>Composition Colour / 5.8 inch                                        |                |
|                                                                                                 | OFF(▲) | OFF(▲) | ON (▼) | OFF(▲) | 2017~ Audi Q7<br>2017~ Audi Q5<br>2017~ Audi A4 | MIB2 / 8.3 inch                                                                                      |                |
| <br>Audi      | OFF(▲) | ON (▼) | ON (▼) | ON (▼) | 2017~ Audi A4<br>2017~ Audi Q5                  | MIB2 / 7 inch                                                                                        |                |
|                                                                                                 | ON (▼) | OFF(▲) | OFF(▲) | ON (▼) | 2013~2016 Audi A3                               | Audi A3 MMI Radio / 7 inch                                                                           |                |
|                                                                                                 | ON (▼) | OFF(▲) | ON (▼) | OFF(▲) | 2013~2016 Audi A3                               | Audi A3 MMI Radio / 5.8 inch<br>(Low Resolution)                                                     |                |
|                                                                                                 | ON (▼) | OFF(▲) | ON (▼) | ON (▼) | 2016~ Audi A6(C7), A7(4G8)                      | MIB2 / 8 inch                                                                                        |                |
| <br>PORSCHE  | OFF(▲) | OFF(▲) | ON (▼) | ON (▼) | Porsche Panamera                                | PCM4.1 / 12.3 inch                                                                                   |                |
|                                                                                                 | OFF(▲) | ON (▼) | OFF(▲) | ON (▼) | Porsche Macan                                   | PCM4.0 / 8 inch                                                                                      |                |
| <br>BENTLEY  | OFF(▲) | OFF(▲) | OFF(▲) | ON (▼) | Bentley BENTAYGA                                | MIB2 / 8 inch                                                                                        |                |



# Activation by original buttons



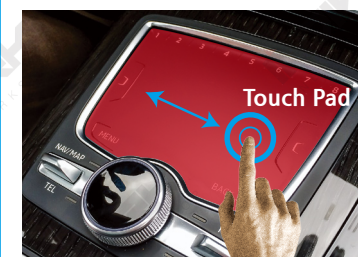
| Button                  | Function                   | Operation                          | Remarks                                                    |
|-------------------------|----------------------------|------------------------------------|------------------------------------------------------------|
| <b>1</b><br><b>MENU</b> | Changing Modes             | Press the button 2 seconds         | Order : HDMI → NAVI → DVB-T → DVD → OEM                    |
|                         |                            | Press the button short time        | Return to the OEM mode in any modes.                       |
| <b>2</b>                | Changing Modes             | Press the button short time        | Order : HDMI ↔ NAVI ↔ DVB-T ↔ DVD                          |
| <b>3</b><br><b>DIAL</b> | DVB-T, DVD Menu Control    | Press the button, Turn the dial    | You can control DVB-T and DVD after connection and setting |
| <b>4</b><br><b>BACK</b> | Changing Modes (Front Cam) | Press the button 2 seconds         | Order : AV1 (Front View Camera)                            |
|                         |                            | Press the button short time        | Order : AV1 → Previous screen                              |
| <b>5</b><br><b>NAV</b>  | Changing Modes             | Press the button 2 seconds         | Order : HDMI → NAVI → DVB-T → DVD → OEM                    |
|                         |                            | Press the button short time        | Order : → OEM                                              |
| <b>1</b><br><b>MENU</b> | <b>Reset</b>               | Press the button <b>10 seconds</b> | You can use this function when you get in trouble          |



**Click**  
Push Touch Pad

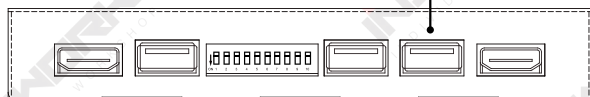


**Scroll**  
Slide two fingers up or down the touch pad to scroll



**Drag**  
Push Touch Pad and Sliding

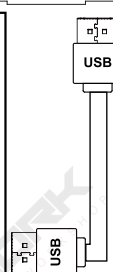
## U-PAD



### NAVI, ANDROID DEVICE Mouse Function by Audi Touchpad



N-LINK II (Gps Box \*Only Korea) A-LINK (Android Box)  
 ※ It's connected to A-LINK USB1, USB2 port



# Activation by original buttons



Volkswagen



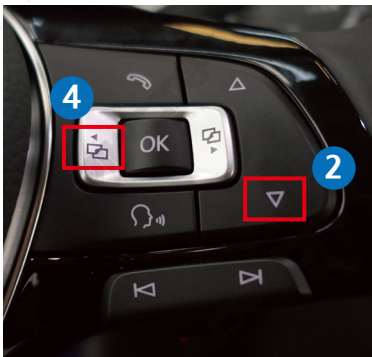
SKODA



Volkswagen Discover Pro(8-inch)



2017 Discover Pro(9.2-inch)



Steering Wheel Buttons



PDC Button

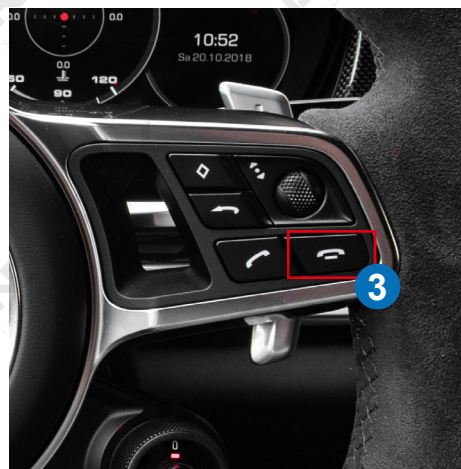
| Button          | Function                   | Operation                   | Remarks                                           |
|-----------------|----------------------------|-----------------------------|---------------------------------------------------|
| 1<br>MENU       | Changing Modes             | Press the button 2 seconds  | Order : HDMI → NAVI → DVB-T → DVD → OEM           |
|                 |                            | Press the button short time | Return to the OEM mode in any modes.              |
| 2<br>▽          | Changing Modes (Front Cam) | Press the button 2 seconds  | Order : AV1 (Front View Camera)                   |
|                 |                            | Press the button short time | Order : AV1 → Previous screen                     |
| 3<br>PDC BUTTON | Changing Modes             | Press the button short time | Order : → OEM                                     |
| 1<br>MENU       | Reset                      | Press the button 10 seconds | You can use this function when you get in trouble |



# Activation by original buttons



**PORSCHE**



**Porsche Panamera  
Steering Wheel Buttons**



**Porsche PCM 4.1**



**Porsche PCM 4.0**

| Button       | Function                   | Operation                       | Remarks                                                    |
|--------------|----------------------------|---------------------------------|------------------------------------------------------------|
| 1<br>NAV     | Changing Modes             | Press the button 2 seconds      | Order : HDMI → NAVI → DVB-T → DVD → OEM                    |
|              |                            | Press the button short time     | Return to the OEM mode in any modes.                       |
| 3<br>Hang Up | Changing Modes (Front Cam) | Press the button 2 seconds      | Order : AV1 (Front View Camera)                            |
|              |                            | Press the button 2 seconds      | Order : AV1 → Previous screen                              |
| 2<br>DIAL    | DVB-T, DVD Menu Control    | Press the button, Turn the dial | You can control DVB-T and DVD after connection and setting |
| 1<br>NAV     | Reset                      | Press the button 10 seconds     | You can use this function when you get in trouble          |

# Activation by original buttons



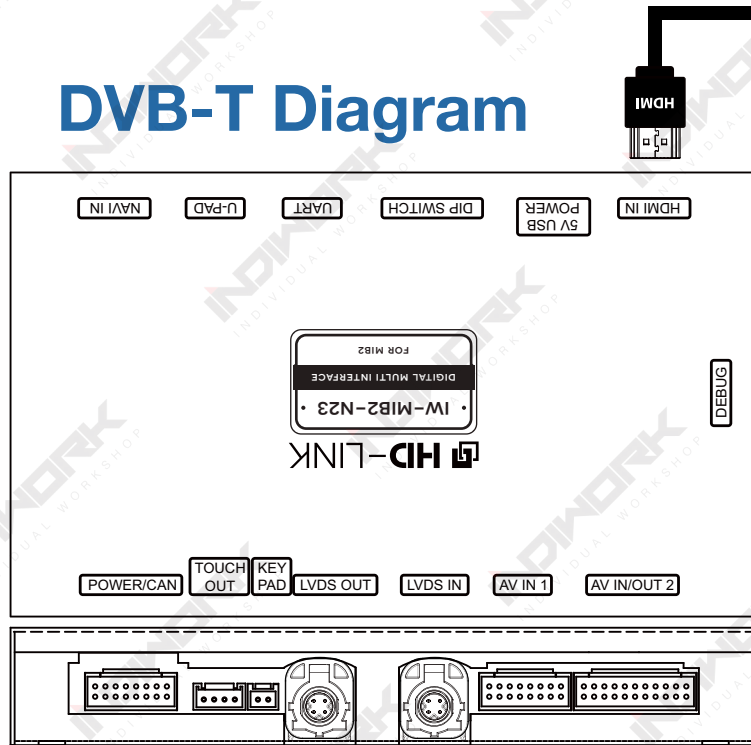
**BENTLEY**



| Button           | Function       | Operation                          | Remarks                                           |
|------------------|----------------|------------------------------------|---------------------------------------------------|
| <b>1</b><br>HOME | Changing Modes | Press the button 2 seconds         | Order : HDMI → NAVI → DVB-T →DVD → OEM            |
|                  |                | Press the button short time        | Return to the OEM mode in any modes.              |
| <b>1</b><br>HOME | <b>Reset</b>   | Press the button <b>10 seconds</b> | You can use this function when you get in trouble |

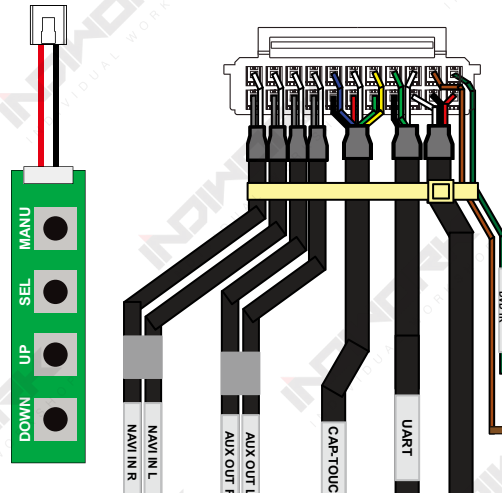


# DVB-T Diagram



**HDMI  
OR  
CVBS**

**DVB-T DEVICE**



**WIRE TO DVB-T IR (OUT)**

DVB-T IR

IR IN

**IR SIGNAL IN**

| DVB-TV IR Sensor |        |
|------------------|--------|
| Red              | POWER  |
| White            | SIGNAL |
| Black            | GROUND |

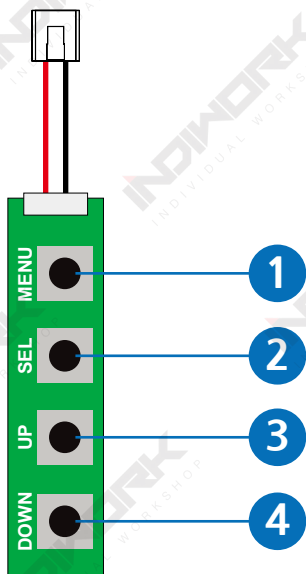
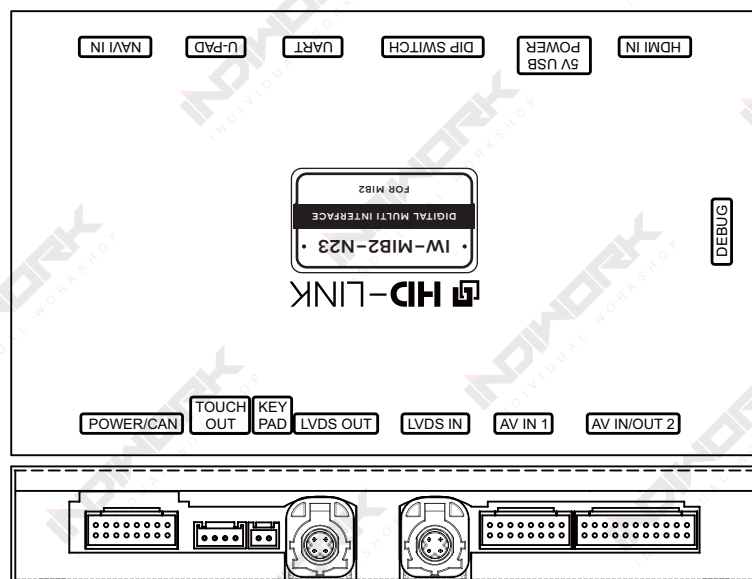


Click  
**HOW TO SETTING**



Click  
**Go to contents page**

# Settings (How To Use KEYPAD)



## KEYPAD - Function #1

| Button           | Function                    | Operation                   | Remarks                                                    |
|------------------|-----------------------------|-----------------------------|------------------------------------------------------------|
| <b>1</b><br>MENU | Changing Modes              | Press the button short time | Order : HDMI → HDMI2 → HDMI3<br>→ NAVI → DVB-T → DVD → OEM |
| <b>2</b><br>SEL  | Enter into the setting menu | Press the button short time |                                                            |

## KEYPAD - Function #2

| Button                          | Function                                               | Operation                   |
|---------------------------------|--------------------------------------------------------|-----------------------------|
| <b>1</b><br>MENU                | Back to previous menu<br>When press the button short.  | Press the button short time |
| <b>2</b><br>SEL                 | Select the setting menu<br>and setting values.         | Press the button short time |
| <b>3</b><br>UP <b>4</b><br>DOWN | Move the menu-pointer<br>and adjust the setting values | Press the button short time |

# Settings

| IW-MIB2-N23                                                                       |                |                   |
|-----------------------------------------------------------------------------------|----------------|-------------------|
| HDMI 1                                                                            | INPUT SOURCE   | DEFAULT           |
| HDMI 2                                                                            | BRIGHT         | AVM               |
| HDMI 3                                                                            | CONTRAST RED   | DTV               |
| NAVIGATION                                                                        | CONTRAST GREEN |                   |
| REAR VIEW                                                                         | CONTRAST BLUE  |                   |
| AV1 (FRONT VIEW)                                                                  |                |                   |
| AV2 (DTV)                                                                         |                |                   |
| AV3 (DVD)                                                                         |                |                   |
| CUSTOM                                                                            |                |                   |
| EXIT                                                                              |                |                   |
| DIP SWITCH INFO :                                                                 |                | FIRMWARE DATE :   |
|  |                | MAIN : 2018-03-02 |
|                                                                                   |                | SUB : 2018-03-02  |
|                                                                                   |                | TW23 : 2018-03-02 |

| IW-MIB2-N23                                                                         |                        |                     |
|-------------------------------------------------------------------------------------|------------------------|---------------------|
| HDMI 1                                                                              | INPUT SOURCE           | AVM ( AROUND VIEW ) |
| HDMI 2                                                                              | BRIGHT                 | 128                 |
| HDMI 3                                                                              | CONTRAST RED           | 128                 |
| NAVIGATION                                                                          | CONTRAST GREEN         | 128                 |
| REAR VIEW                                                                           | CONTRAST BLUE          | 128                 |
| AV1 (FRONT VIEW)                                                                    | AVM KEEPING TIME R → D | 7 Sec               |
| AV2 (DTV)                                                                           | AVM KEEPING TIME P → D | 7 Sec               |
| AV3 (DVD)                                                                           | PGS ON / OFF           | OFF                 |
| CUSTOM                                                                              | PGS - HORIZONTAL       | 128                 |
| EXIT                                                                                | PGS - VERTICAL         | 128                 |
|                                                                                     | PDC ON / OFF           | OFF                 |
| DIP SWITCH INFO :                                                                   |                        | FIRMWARE DATE :     |
|  |                        | MAIN : 2018-03-02   |
|                                                                                     |                        | SUB : 2018-03-02    |
|                                                                                     |                        | TW23 : 2018-03-02   |

## HDMI - DEFALUT

### - INPUT SOURCE ( Hdmi device model select )

- **DEFALUT** (Basic HDMI Device)
- **AVM** ( 360° Around View Camera )
- **DTV** ( Digital Television )

### - BRIGHT and CONTRAST

Adjust the values of brightness and contrast

## HDMI INPUT - AVM

### - BRIGHT and CONTRAST

Adjust the values of brightness and contrast

### - AVM KEEPING TIME



If the keeping time set is **"OFF"**  
The AVM screen stayed  
When the "P" button while active and  
When the "P" button will be disabled.  
The Screen will be change to previous screen

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

### - PGS (Parking Guide System)

- Adjust position of parking guide lines and select the lines 'ON or OFF'.



# Settings

| IW-MIB2-N23                                                                                                                          |                     |                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------|
| HDMI 1                                                                                                                               | INPUT SOURCE        | DTV                                                        |
| HDMI 2                                                                                                                               | BRIGHT              | 128                                                        |
| HDMI 3                                                                                                                               | CONTRAST RED        | 128                                                        |
| NAVIGATION                                                                                                                           | CONTRAST GREEN      | 128                                                        |
| REAR VIEW                                                                                                                            | CONTRAST BLUE       | 128                                                        |
| AV1 (FRONT VIEW)                                                                                                                     | REMOTE OSD ON / OFF | ON                                                         |
| AV2 (DTV)                                                                                                                            | MEMORY UP ①         | 0x807f807f                                                 |
| AV3 (DVD)                                                                                                                            | MEMORY DOWN ②       | 0x807f807f                                                 |
| CUSTOM                                                                                                                               | MEMORY LEFT ③       | 0x807f807f                                                 |
| EXIT                                                                                                                                 | MEMORY RIGHT ④      | 0x807f807f                                                 |
|                                                                                                                                      | MEMORY OK ⑤         | 0x807f807f                                                 |
|                                                                                                                                      | MEMORY MENU ⑥       | 0x807f807f                                                 |
|                                                                                                                                      | MEMORY EXIT ⑦       | 0x807f807f                                                 |
|                                                                                                                                      | MEMORY ETC1 ⑧       | 0x807f807f                                                 |
|                                                                                                                                      | MEMORY ETC2 ⑨       | 0x807f807f                                                 |
| DIP SWITCH INFO :                                                                                                                    |                     | FIRMWARE DATE :                                            |
| <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> |                     | MAIN : 2018-03-02<br>SUB : 2018-03-02<br>TW23 : 2018-03-02 |

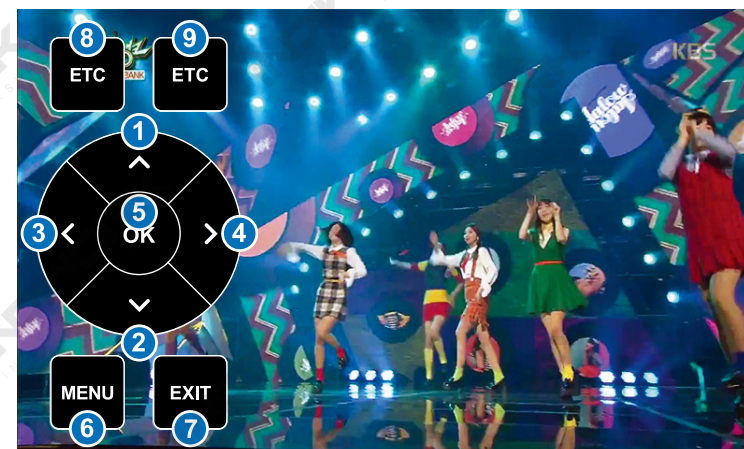
## HDMI INPUT - DTV

### - BRIGHT and CONTRAST

Adjust the values of brightness and contrast

### - REMOTE OSD ON / OFF

· You can control to some of function on DTV remote control by OSD UI



| IW-MIB2-N23                                                                                                                          |                  |                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------|
| HDMI 1                                                                                                                               | NAVIGATION MODEL | DEFAULT                                                    |
| HDMI 2                                                                                                                               | BRIGHT           | 128                                                        |
| HDMI 3                                                                                                                               | CONTRAST RED     | 128                                                        |
| NAVIGATION                                                                                                                           | CONTRAST GREEN   | 128                                                        |
| REAR VIEW                                                                                                                            | CONTRAST BLUE    | 128                                                        |
| AV1 (FRONT VIEW)                                                                                                                     |                  |                                                            |
| AV2 (DTV)                                                                                                                            |                  |                                                            |
| AV3 (DVD)                                                                                                                            |                  |                                                            |
| CUSTOM                                                                                                                               |                  |                                                            |
| EXIT                                                                                                                                 |                  |                                                            |
| DIP SWITCH INFO :                                                                                                                    |                  | FIRMWARE DATE :                                            |
| <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> |                  | MAIN : 2018-03-02<br>SUB : 2018-03-02<br>TW23 : 2018-03-02 |

## NAVIGATION

### - BRIGHT and CONTRAST

Adjust the values of brightness and contrast

# Settings

| IW-MIB2-N23                                                                       |                |                   |
|-----------------------------------------------------------------------------------|----------------|-------------------|
| HDMI 1                                                                            | INPUT SOURCE   | OEM CAMERA        |
| HDMI 2                                                                            | BRIGHT         | AVM (AROUND VIEW) |
| HDMI 3                                                                            | CONTRAST RED   | EXTERNAL CAMERA   |
| NAVIGATION                                                                        | CONTRAST GREEN |                   |
| REAR VIEW                                                                         | CONTRAST BLUE  |                   |
| AV1 (FRONT VIEW)                                                                  |                |                   |
| AV2 (DTV)                                                                         |                |                   |
| AV3 (DVD)                                                                         |                |                   |
| CUSTOM                                                                            |                |                   |
| EXIT                                                                              |                |                   |
| DIP SWITCH INFO :                                                                 |                | FIRMWARE DATE :   |
|  |                | MAIN : 2018-03-02 |
|                                                                                   |                | SUB : 2018-03-02  |
|                                                                                   |                | TW23 : 2018-03-02 |

| IW-MIB2-N23                                                                         |                        |                   |
|-------------------------------------------------------------------------------------|------------------------|-------------------|
| HDMI 1                                                                              | INPUT SOURCE           | DEFAULT           |
| HDMI 2                                                                              | BRIGHT                 | 128               |
| HDMI 3                                                                              | CONTRAST RED           | 128               |
| NAVIGATION                                                                          | CONTRAST GREEN         | 128               |
| REAR VIEW                                                                           | CONTRAST BLUE          | 128               |
| AV1 (FRONT VIEW)                                                                    | AVM KEEPING TIME R → D | 7 Sec             |
| AV2 (DTV)                                                                           | AVM KEEPING TIME P → D | 7 Sec             |
| AV3 (DVD)                                                                           | PGS ON / OFF           | OFF               |
| CUSTOM                                                                              | PGS - HORIZONTAL       | 128               |
| EXIT                                                                                | PGS - VERTICAL         | 128               |
|                                                                                     | PDC ON / OFF           | OFF               |
| DIP SWITCH INFO :                                                                   |                        | FIRMWARE DATE :   |
|  |                        | MAIN : 2018-03-02 |
|                                                                                     |                        | SUB : 2018-03-02  |
|                                                                                     |                        | TW23 : 2018-03-02 |

## REAR VIEW INPUT - OEM CAMERA

### - INPUT SOURCE

- OEM CAMERA
- AVM ( 360° Around View Camera )
- EXTERNAL CAMERA

### - BRIGHT and CONTRAST

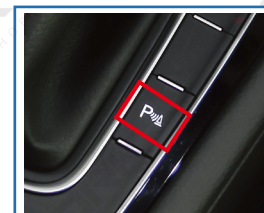
Adjust the values of brightness and contrast

## REAR VIEW INPUT - AVM

### - BRIGHT and CONTRAST

Adjust the values of brightness and contrast

### - AVM KEEPING TIME



If the keeping time set is "OFF"  
The AVM screen stayed  
When the "P" button while active and  
When the "P" button will be disabled.  
The Screen will be change to previous screen

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

### - PGS (Parking Guide System)

- Adjust position of parking guide lines and select the lines 'ON or OFF'.

# Settings

| IW-MIB2-N23                                                                       |                  |                   |
|-----------------------------------------------------------------------------------|------------------|-------------------|
| HDMI 1                                                                            | INPUT SOURCE     | EXTERNAL CAMERA   |
| HDMI 2                                                                            | BRIGHT           | 128               |
| HDMI 3                                                                            | CONTRAST RED     | 128               |
| NAVIGATION                                                                        | CONTRAST GREEN   | 128               |
| REAR VIEW                                                                         | CONTRAST BLUE    | 128               |
| AV1 (FRONT VIEW)                                                                  | PGS ON / OFF     | OFF               |
| AV2 (DTV)                                                                         | PGS - HORIZONTAL | 128               |
| AV3 (DVD)                                                                         | PGS - VERTICAL   | 128               |
| CUSTOM                                                                            | PDC ON / OFF     | OFF               |
| EXIT                                                                              |                  |                   |
| DIP SWITCH INFO :                                                                 |                  | FIRMWARE DATE :   |
|  |                  | MAIN : 2018-03-02 |
|                                                                                   |                  | SUB : 2018-03-02  |
|                                                                                   |                  | TW23 : 2018-03-02 |

## REAR VIEW INPUT - EXTERNAL CAMERA

### - BRIGHT and CONTRAST

Adjust the values of brightness and contrast

### - PGS (Parking Guide System)

Adjust position of parking guide lines and select the lines 'ON or OFF'.





# Settings

| IW-MIB2-N23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|
| HDMI 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | INPUT SOURCE           | OEM CAMERA                                                 |
| HDMI 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CAM KEEPING TIME R → D | 7 Sec                                                      |
| HDMI 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CAM KEEPING TIME P → D | 7 Sec                                                      |
| NAVIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                                                            |
| REAR VIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |                                                            |
| AV1 (FRONT VIEW)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                                                            |
| AV2 (DTV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |                                                            |
| AV3 (DVD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |                                                            |
| CUSTOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                                            |
| EXIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                                                            |
| DIP SWITCH INFO :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        | FIRMWARE DATE :                                            |
|         |                        | MAIN : 2018-03-02<br>SUB : 2018-03-02<br>TW23 : 2018-03-02 |

## AV1 (FRONT VIEW INPUT) - OEM CAMERA

### - CAM KEEPING TIME

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

| IW-MIB2-N23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------|
| HDMI 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | INPUT SOURCE   | EXTERNAL CAMERA                                            |
| HDMI 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | BRIGHT         | 128                                                        |
| HDMI 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CONTRAST RED   | 128                                                        |
| NAVIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CONTRAST GREEN | 128                                                        |
| REAR VIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CONTRAST BLUE  | 128                                                        |
| AV1 (FRONT VIEW)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                                                            |
| AV2 (DTV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                                                            |
| AV3 (DVD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                                                            |
| CUSTOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                                                            |
| EXIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                            |
| DIP SWITCH INFO :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                | FIRMWARE DATE :                                            |
|         |                | MAIN : 2018-03-02<br>SUB : 2018-03-02<br>TW23 : 2018-03-02 |

## AV1 (FRONT VIEW INPUT) - EXTERNAL CAMERA

### - BRIGHT and CONTRAST

Adjust the values of brightness and contrast

### - FRONT CAM KEEPING TIME

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

# Settings

| IW-MIB2-N23      |                     |            |
|------------------|---------------------|------------|
| HDMI 1           | BRIGHT              | 128        |
| HDMI 2           | CONTRAST RED        | 128        |
| HDMI 3           | CONTRAST GREEN      | 128        |
| NAVIGATION       | CONTRAST BLUE       | 128        |
| REAR VIEW        | REMOTE OSD ON / OFF | ON         |
| AV1 (FRONT VIEW) | MEMORY UP ①         | 0x807f807f |
| AV2 (DTV)        | MEMORY DOWN ②       | 0x807f807f |
| AV3 (DVD)        | MEMORY LEFT ③       | 0x807f807f |
| CUSTOM           | MEMORY RIGHT ④      | 0x807f807f |
| EXIT             | MEMORY OK ⑤         | 0x807f807f |
|                  | MEMORY MENU ⑥       | 0x807f807f |
|                  | MEMORY EXIT ⑦       | 0x807f807f |
|                  | MEMORY ETC1 ⑧       | 0x807f807f |
|                  | MEMORY ETC2 ⑨       | 0x807f807f |

DIP SWITCH INFO :


FIRMWARE DATE :

MAIN : 2018-03-02  
SUB : 2018-03-02  
TW23 : 2018-03-02

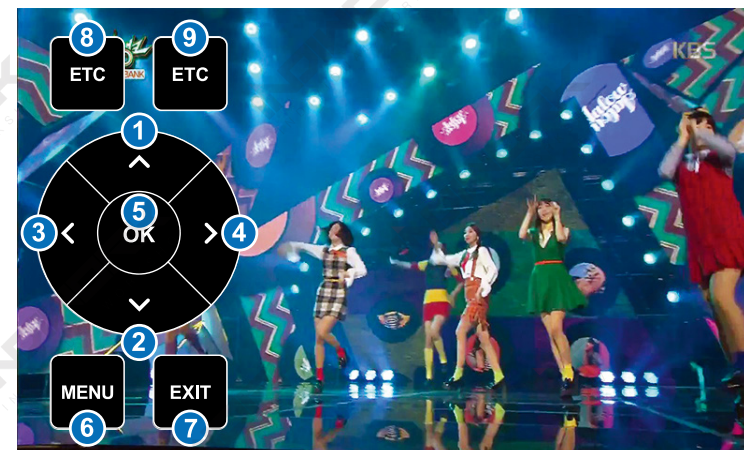
## AV2 DTV

### - BRIGHT and CONTRAST

Adjust the values of brightness and contrast

### - REMOTE OSD ON / OFF

· You can control to some of function on DTV remote control by OSD UI



# Settings

| IW-MIB2-N23      |                     |            |
|------------------|---------------------|------------|
| HDMI 1           | BRIGHT              | 128        |
| HDMI 2           | CONTRAST RED        | 128        |
| HDMI 3           | CONTRAST GREEN      | 128        |
| NAVIGATION       | CONTRAST BLUE       | 128        |
| REAR VIEW        | REMOTE OSD ON / OFF | ON         |
| AV1 (FRONT VIEW) | MEMORY UP ①         | 0x807f807f |
| AV2 (DTV)        | MEMORY DOWN ②       | 0x807f807f |
| AV3 (DVD)        | MEMORY LEFT ③       | 0x807f807f |
| CUSTOM           | MEMORY RIGHT ④      | 0x807f807f |
| EXIT             | MEMORY OK ⑤         | 0x807f807f |
|                  | MEMORY MENU ⑥       | 0x807f807f |
|                  | MEMORY EXIT ⑦       | 0x807f807f |
|                  | MEMORY ETC1 ⑧       | 0x807f807f |
|                  | MEMORY ETC2 ⑨       | 0x807f807f |

DIP SWITCH INFO :


FIRMWARE DATE :

MAIN : 2018-03-02  
SUB : 2018-03-02  
TW23 : 2018-03-02

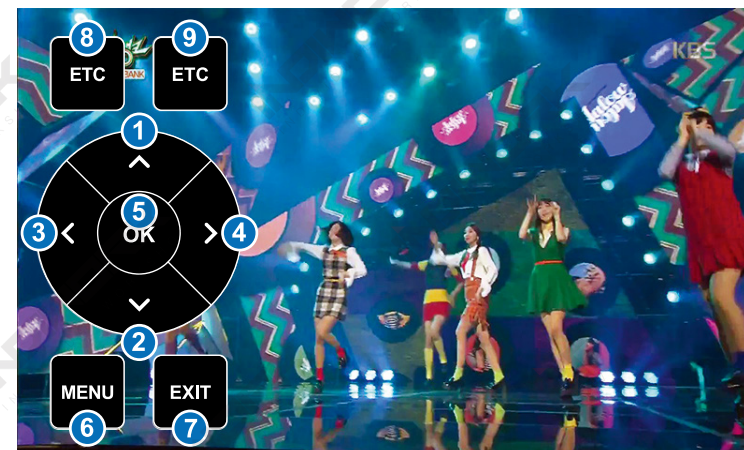
## AV3 DVD

### - BRIGHT and CONTRAST

Adjust the values of brightness and contrast

### - REMOTE OSD ON / OFF

· You can control to some of function on DTV remote control by OSD UI



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