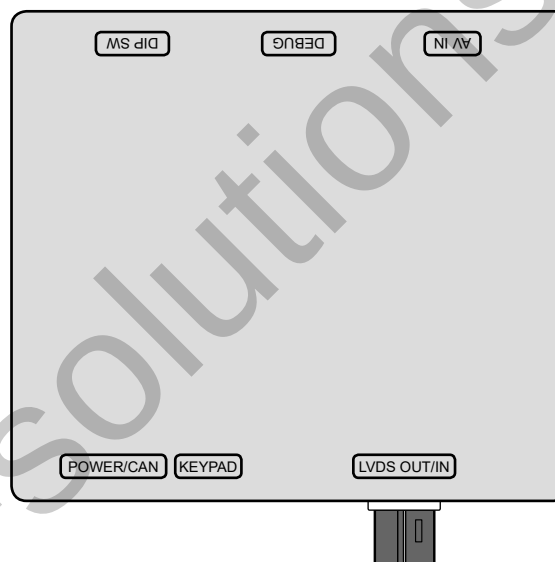


Release Date: 2019 – 07 - 26

Instruction Manual

REAR INTERFACE for Mercedes NTG6(MB-UX),NTG55



Latest Firmware Date	2019 - 07 - 23
Manual Version	Rev. 1.3
Language	English

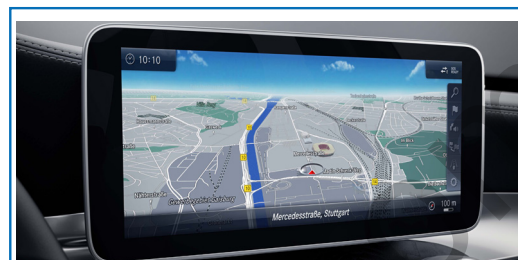
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 - **Settings REAR VIEW** _____ 
 - **Settings AV1 (FRONT VIEW) (OEM Camera delay time setting)** _____ 
 - **Settings AV2 (DVB-T, DVD)** _____ 

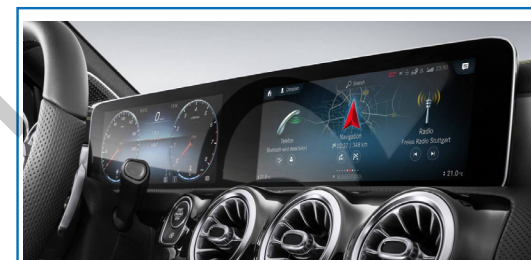
Car Compatibility Chart

Comand NTG 5.5

Car Models	Specific Models	Production Year	Specific Models	Screen Size
C-CLASS	W205	2018 -	- Mercedes Comand APS NTG 5.5 * facelift	7 inch
				10.25 inch
E-CLASS	W213	2016 -	- Mercedes Comand APS NTG 5.5	12.3 inch
CLS-CLASS	C257	2018 -	- Mercedes Comand APS NTG 5.5	12.3 inch
S-CLASS (facelift)	W222	2018 -	- Mercedes Comand APS NTG 5.5	12.3 inch
G-CLASS	W463	2018 -	- Mercedes Comand APS NTG 5.5	12.3 inch



Mercedes NTG5.5 <10.2 inch>



Mercedes NTG6 MB-UX <10.25 inch>

Comand NTG 6 <MB-UX>

Car Models	Specific Models	Production Year	Specific Models	Screen Size
A-Class	W177 V177	2018 -	- Mercedes Comand APS MB-UX	7 inch
				10.25 inch
Sprinter	VS30	2018 -	- Mercedes Comand APS MB-UX	7 inch
				10.25 inch



2019 A-Class



2019 C-Class
*facelift



E-Class



2019 CLS-Class



2019 S-Class
*facelift



2019 G-Class



2019 Sprinter

Components



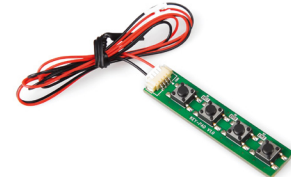
1.Power Cable



2.LVDS Cable



3.AV Cable



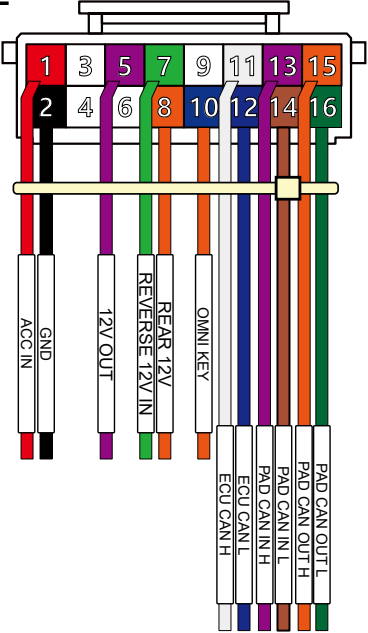
4.KEYPAD



5.IR Sensor

Body Connector specifications

POWER/CAN CABLE

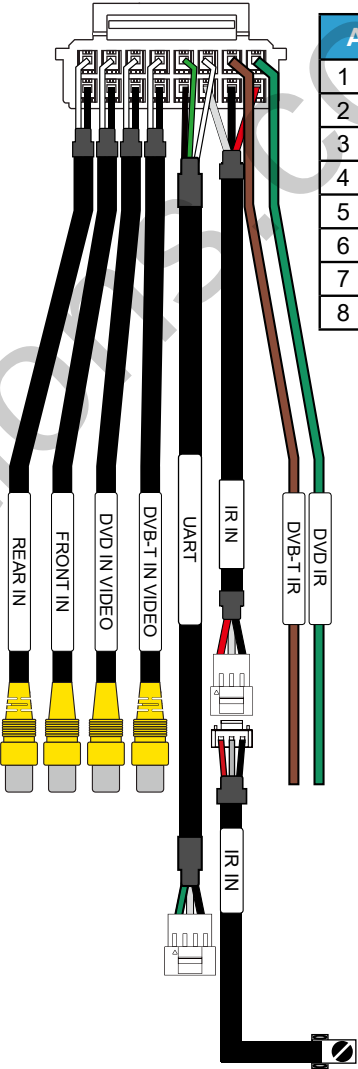


POWER / CAN CABLE			
1	BATTERY POWER INPUT	9	
2	GROUND	10	OMNI KEY
3		11	ECU CAN H
4		12	ECU CAN L
5	12V(ACC) OUT	13	PAD CAN IN H
6	REVERSE 12V IN	14	PAD CAN IN L
7	REAR 12V POWER OUT	15	PAD CAN OUT H
8		16	PAD CAN OUT L

LVDS OUT CABLE



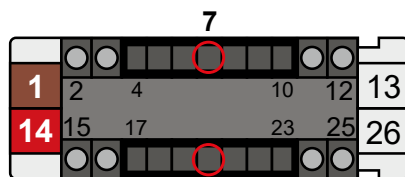
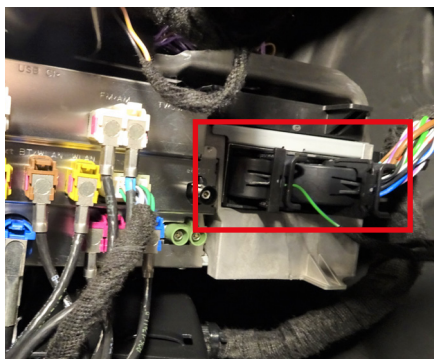
AV CABLE



AV CABLE			
1	RV-CAM VIDEO INPUT	9	GND (RV-CAM VIDEO)
2	FRONT CAM VIDEO INPUT	10	GND (FRONT-CAM)
3	DVD VIDEO INPUT	11	GND (DVD)
4	DVB-T VIDEO INPUT	12	GND(DVB-T)
5	UART RX	13	UART (GND)
6	UART TX	14	IR (IR Signal)
7	DVB-T IR IN	15	IR (GND)
8	DVD-T IR IN	16	IR (Power)

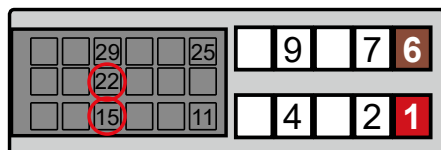
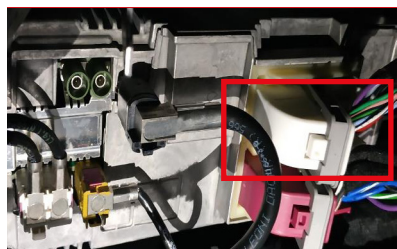
Full Installation Diagram <NTG6 MB-UX>

MBUX 10.25 inch Head Unit Main Connector



- 20
- (Red) B+ Pin # 14 = ■
 - (Brown) Ground Pin # 1 = ■
 - Pas Can High Pin # 7 = ■ (Purple/White)
 - Pas Can Low Pin # 20 = ■ (Purple)

MBUX 7inch Head Unit Main Connector



- (Red) B+ Pin # 1 = ■
- (Brown) Ground Pin # 6 = ■
- Pas Can High Pin # 15 = ■ (Purple/White)
- Pas Can Low Pin # 22 = ■ (Purple)

12V ACC Power Out

For external device (Front Cam, DVD,DTV,Etc..) Power

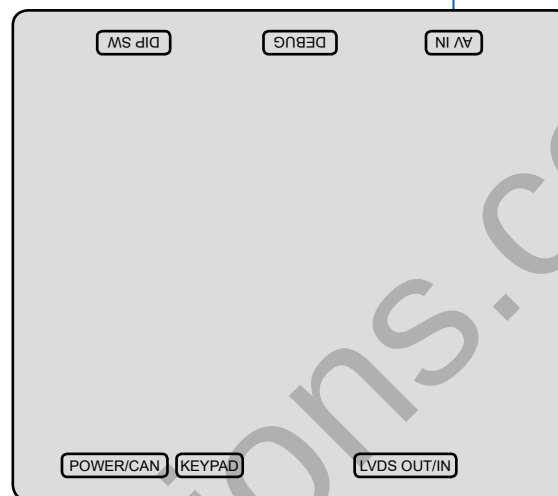
REVERSE IN

When the reverse gear is not detected by CAN-BUS, the 'REVERSE 12V IN wire' should be spliced with 12V power of reverse light.

REAR 12V

For the external rear view camera power
When the shift gear to reverse. the power will be "ON"

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12V ACC Power Out

Reverse IN

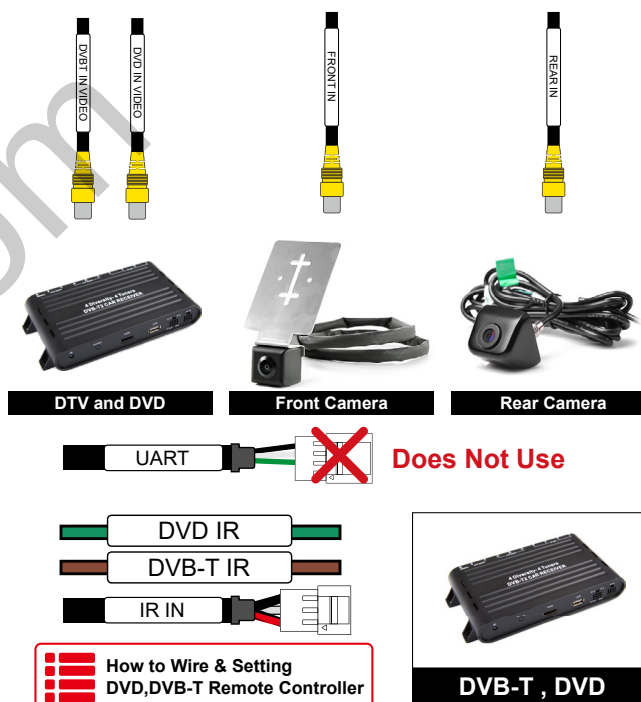
Rear 12V

OMN KEY

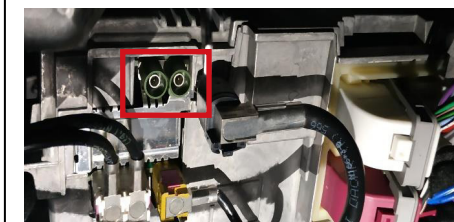
Does Not Use

Does Not Use

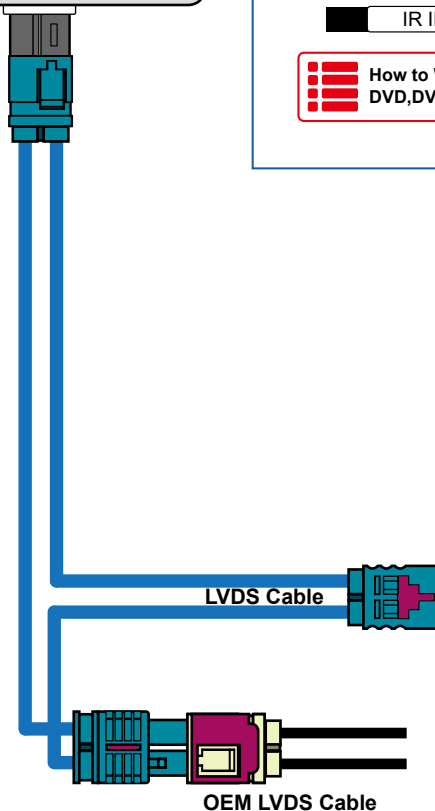
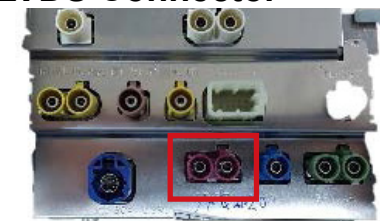
AV IN Port



MBUX 7inch Head Unit LVDS Connector

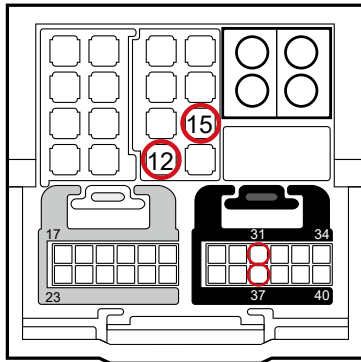


MBUX 10.25 Head Unit LVDS Connector



Full Installation Diagram <NTG5.5>

Mercedes NTG5.5 Head Unit Main Connector



- (Red) B+ Pin # 15 =
- (Brown) Ground Pin # 12 =
- (Purple/White) Pas Can High Pin # 37 =
- (Purple) Pas Can Low Pin # 31 =

12V ACC Power Out

For external device (Front Cam, DVD,DTV,Etc..) Power

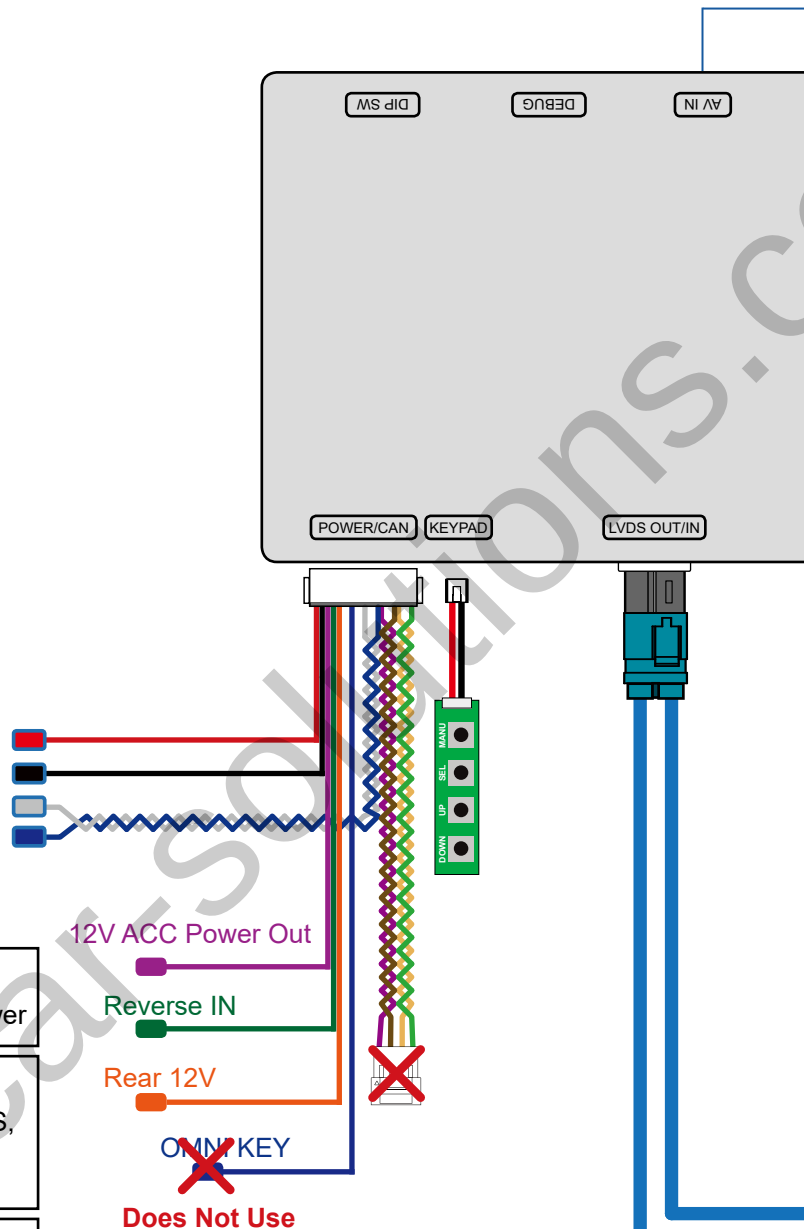
REVERSE IN

When the reverse gear is not detected by CAN-BUS, the 'REVERSE 12V IN wire' should be spliced with 12V power of reverse light.

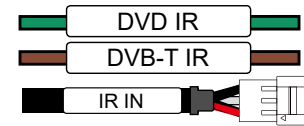
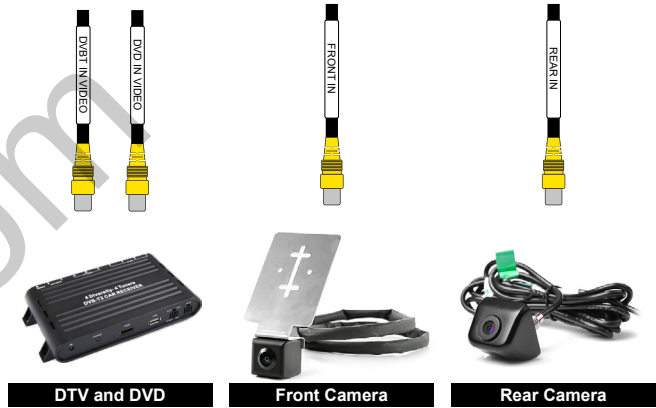
REAR 12V

For the external rear view camera power
When the shift gear to reverse. the power will be "ON"

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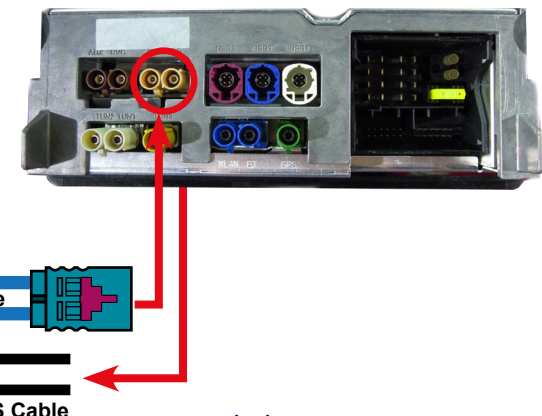
AV IN Port



How to Wire & Setting
DVD,DVB-T Remote Controller

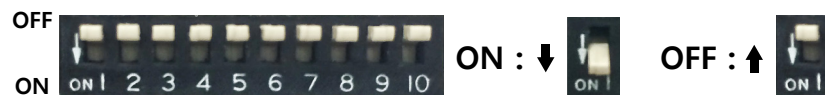


Mercedes NTG5.5 Head Unit



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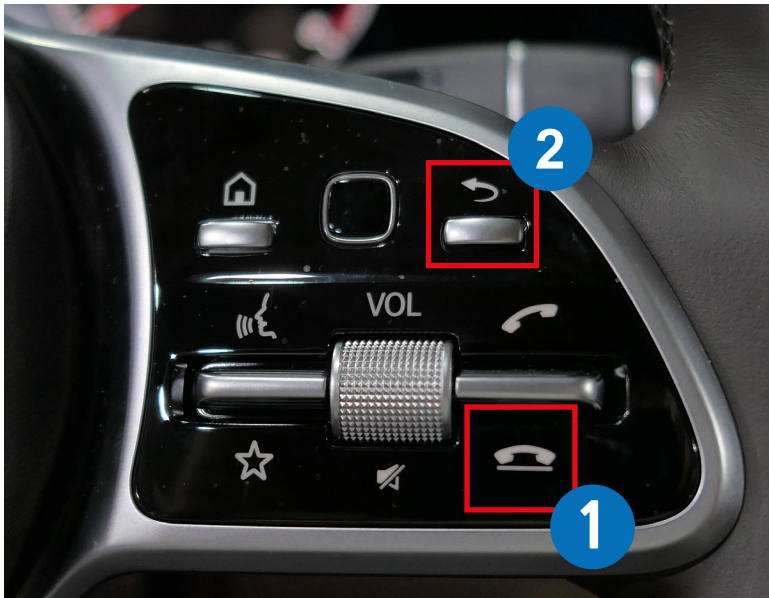
DIP Switch Settings



PIN	ON (▼)	OFF(▲)
1	External Rear View Camera	Original Rear View Mode (OEM CAMERA)
2	External Front View Camera(AV1 Mode)	Skip External Front View Camera(AV1 Mode)
3	DVB-T Mode	Skip DVB-T Mode
4	DVD Mode	Skip DVD Mode
5	Not Used (default "OFF")	
6	Not Used (default "OFF")	
7	Select car model	
8		
9		
10		

No.7	No.8	No.9	No.10	Car Model	Code Name	Screen Size
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	A-Class	W177 V177	10.25 inch
OFF(▲)	OFF(▲)	ON (▼)	OFF(▲)	A-Class	W177 V177	7 inch
OFF(▲)	OFF(▲)	OFF(▲)	ON (▼)	C-Class *facelift	W205	10.25 inch
				E-Class	W213	
				Sprinter	VS30	
OFF(▲)	OFF(▲)	ON (▼)	ON (▼)	C-Class *facelift	W205	7 inch

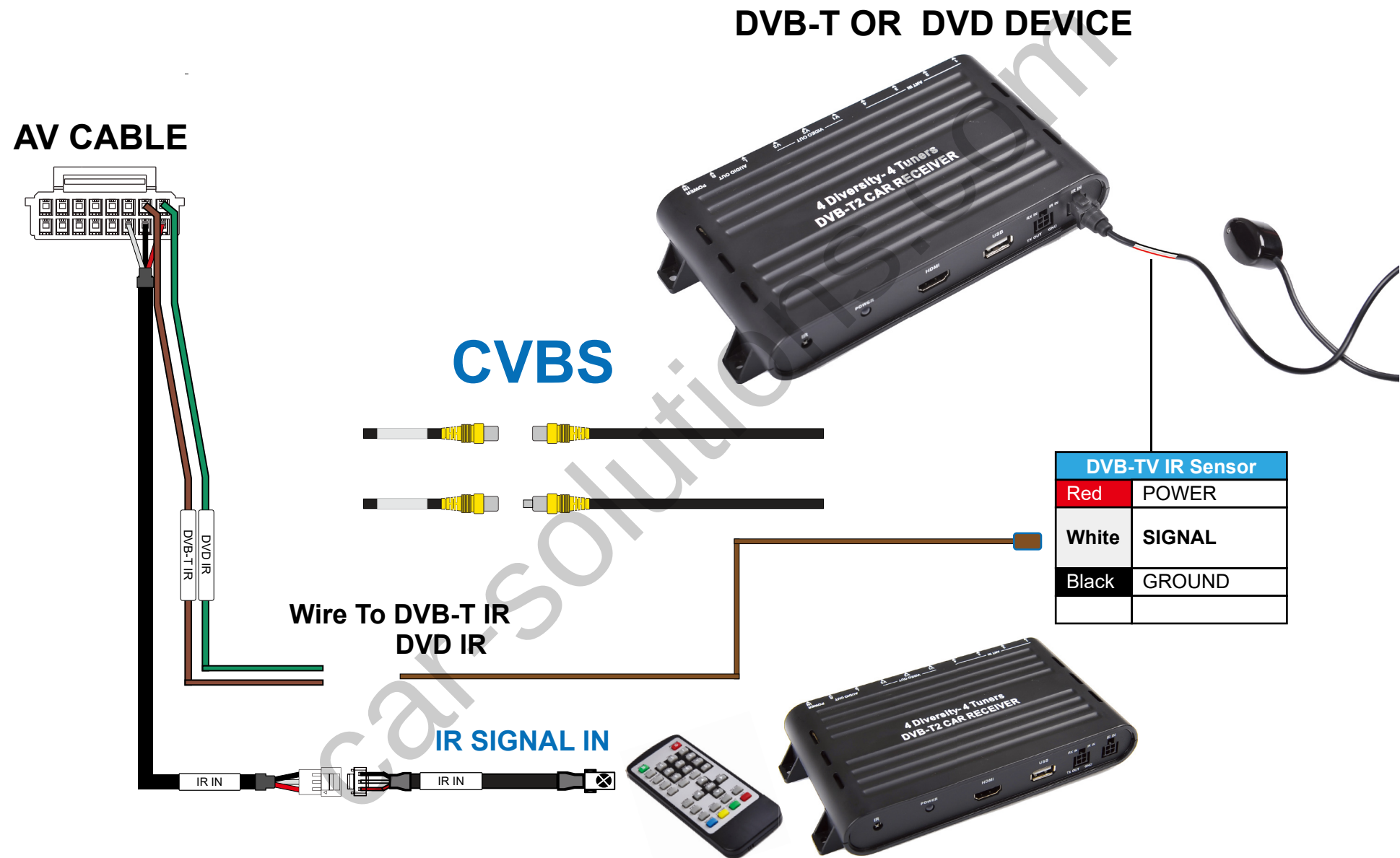
Activation by original buttons



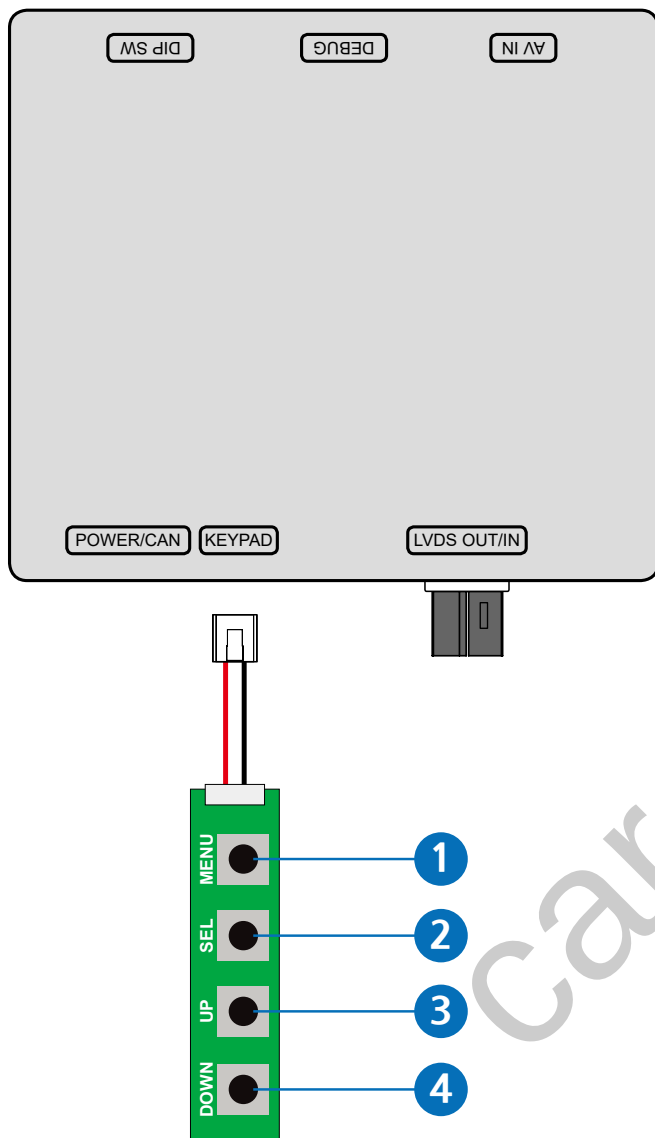
W213 Steering Wheel Buttons

Button	Function	Operation	Remarks
2 Back	Changing Modes (Front Cam)	Press the button 2 seconds	Order : AV1 (Front View Camera)
		Press the button short time	Order : AV1 → Previous screen
1 Hang up	Changing Modes	Press the button 2 seconds	Order : DVB-T → DVD → OEM

DVB-T Diagram



Settings (How To Use KEYPAD)



KEYPAD - Function #1

Button	Function	Operation	Remarks
1 MENU	Changing Modes	Press the button short time	Order : Front View → DVB-T → DVD → OEM
2 SEL	Enter into the setting menu	Press the button short time	

KEYPAD - Function #2

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

Settings

HDMI	INPUT SOURCE	OEM CAMERA
NAVIGATION	BRIGHT	AVM (AROUND VIEW)
REAR VIEW	CONTRAST RED	EXTERNAL CAMERA
FRONT VIEW	CONTRAST GREEN	
DTV	CONTRAST BLUE	
DVD		
CUSTOM		
EXIT		

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

HDMI	INPUT SOURCE	AVM (AROUND VIEW)
NAVIGATION	BRIGHT	128
REAR VIEW	CONTRAST RED	128
FRONT VIEW	CONTRAST GREEN	128
DTV	CONTRAST BLUE	128
DVD	AVM KEEPING TIME R → D	7 Sec
CUSTOM	AVM KEEPING TIME P → D	7 Sec
EXIT	PGS ON / OFF	OFF
	PGS - HORIZONTAL	128
	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 - AVM

- BRIGHT and CONTRAST

Adjust the values of brightness and contrast

- AVM 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.

- PGS (Parking Guide System)

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

- PDC (Graphic Sensor Image)

- Sensor Image 'ON or OFF'.

Settings

EXTERNAL CAMERA		
HDMI	INPUT SOURCE	
NAVIGATION	BRIGHT	128
REAR VIEW	CONTRAST RED	128
FRONT VIEW	CONTRAST GREEN	128
DTV	CONTRAST BLUE	128
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 - 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'.

- PDC (Graphic Sensor Image)

· Sensor Image 'ON or OFF'.

Settings

HDMI		
NAVIGATION	INPUT SOURCE	OEM CAMERA
REAR VIEW	CAM KEEPING TIME R → D	7 Sec
FRONT VIEW	CAM KEEPING TIME P → D	7 Sec
DTV		
DVD		
CUSTOM		
EXIT		
DIP SWITCH INFO :		FIRMWARE DATE :
		MAIN : 2018-03-02
		SUB : 2018-03-02
		TW23 : 2018-03-02

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.

HDMI		
NAVIGATION	INPUT SOURCE	EXTERNAL CAMERA
REAR VIEW	BRIGHT	128
FRONT VIEW	CONTRAST RED	128
DTV	CONTRAST GREEN	128
DVD	CONTRAST BLUE	128
CUSTOM	CAM KEEPING TIME R → D	7 Sec
EXIT	CAM KEEPING TIME P → D	7 Sec
DIP SWITCH INFO :		FIRMWARE DATE :
		MAIN : 2018-03-02
		SUB : 2018-03-02
		TW23 : 2018-03-02

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.

- PDC (Graphic Sensor Image)

- Sensor Image 'ON or OFF'.

HDMI	BRIGHT	128
NAVIGATION	CONTRAST RED	128
REAR VIEW	CONTRAST GREEN	128
FRONT VIEW	CONTRAST BLUE	128
DTV	REMOTE OSD ON / OFF	ON
DVD	REMOTE TYPE	ALPINE
CUSTOM	MEMORY UP ①	0x807f807f
EXIT	MEMORY DOWN ②	0x807f807f
	MEMORY LEFT ③	0x807f807f
	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 :

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

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