

MB2015-W205-DC3 **Manual**

- MODEL : MB-PAS-190412
- DATE : 2019.05.14

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1. Main Spec.

1. Input Spec. (MULTI VIDEO INTERFACE)

- 1 x Digital RGB Input (Carplay source)
- 1 x AUX(mono) Input. (Carplay source)
- 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
- 1 x LVDS Input. (Car Command System)

2. Output Spec.

- 1 x LCD Output (LCD Operation)
- 1 x Uart Digital Touch (Carplay source)
- 1 x Speaker Sound

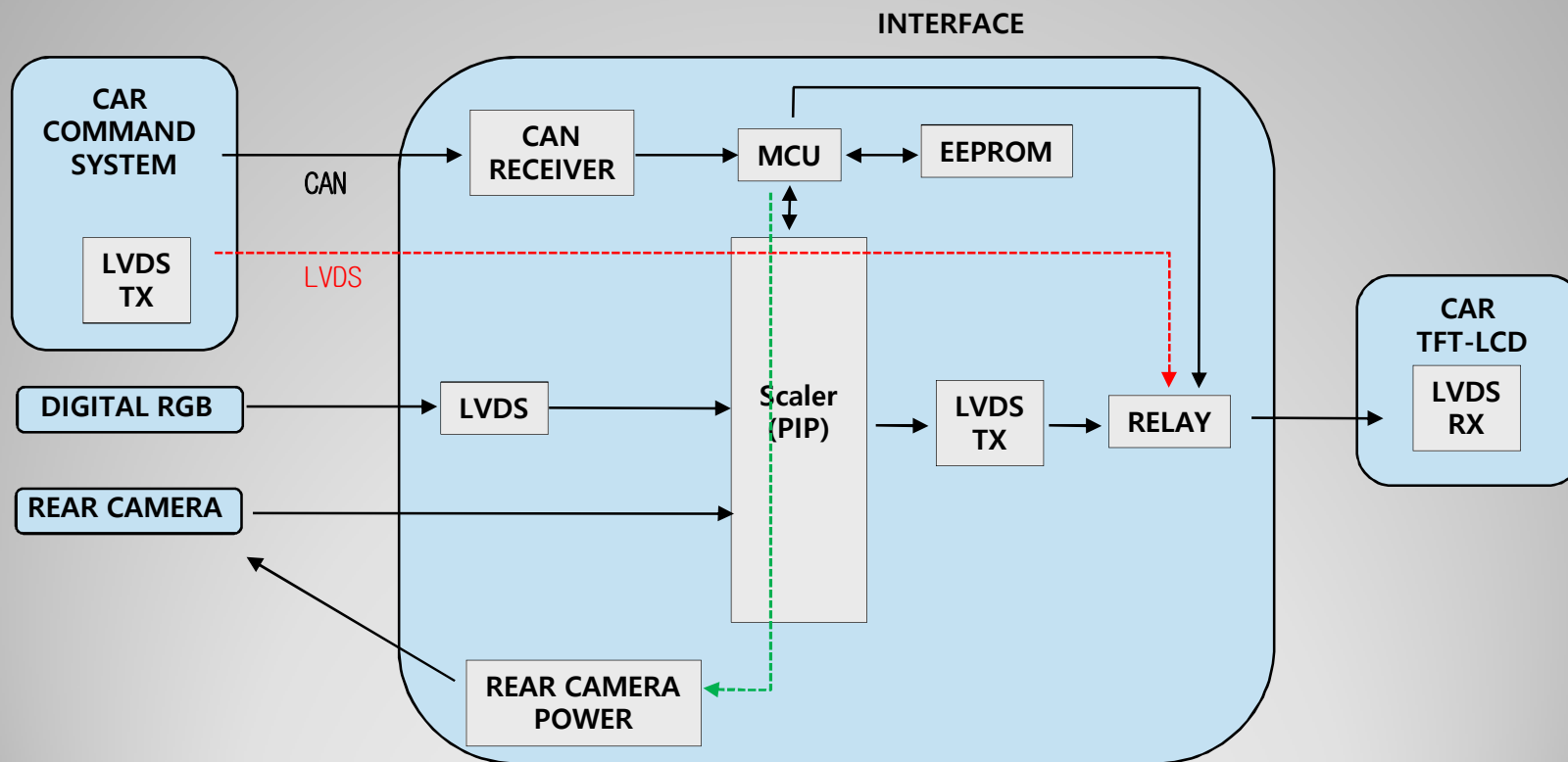
3. Power Spec.

- Input Power : 8VDC ~ 24VDC
- Consumption Power : 12Watt, Max

4. Switch Input mode

- Possible to select CAR model while switching mode by DIP S/W
- By button on the Commander in the car via CAN

2. Block Diagram



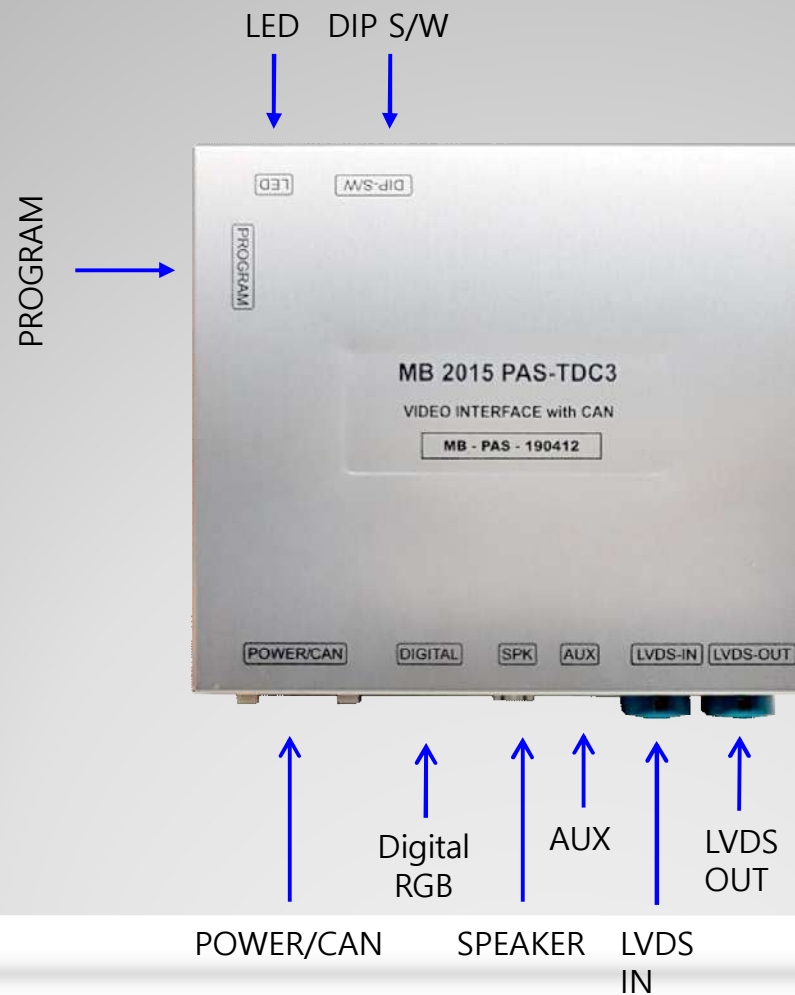
3. Dimension

113mm * 103mm * 22mm

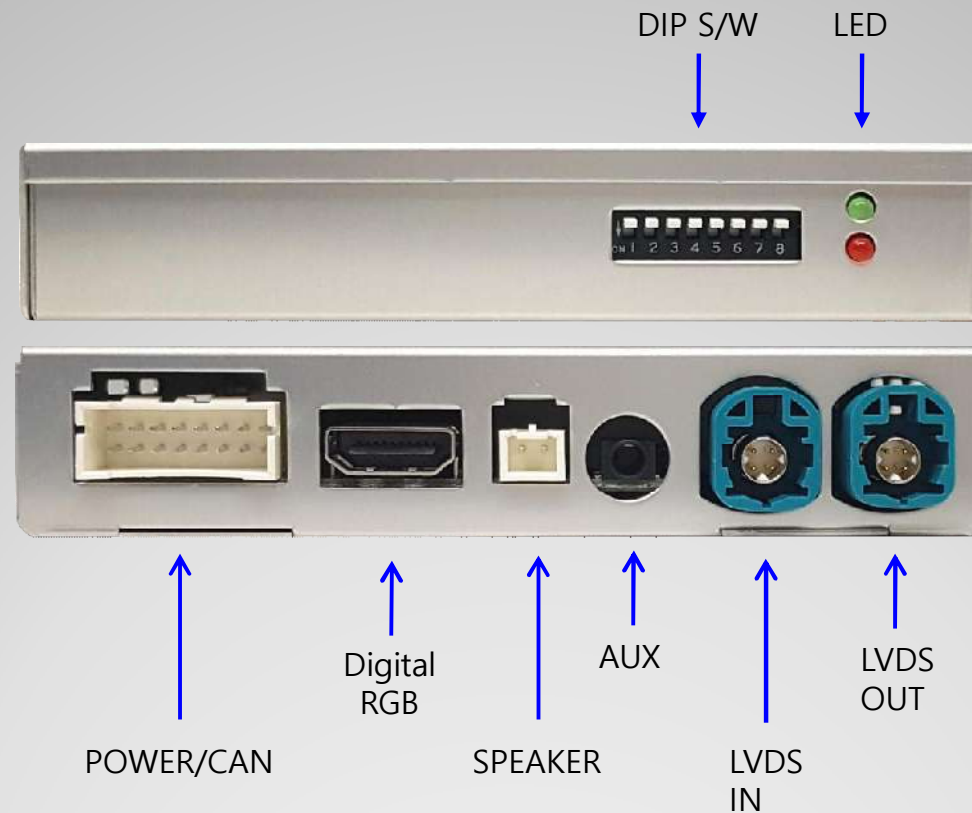


* This can change under manufacturer's circumstance

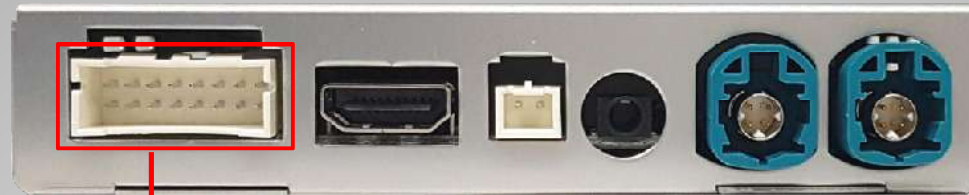
4. External Appearance



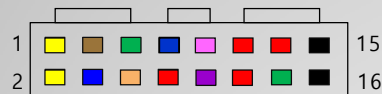
4. External Appearance



5. Connector Pin Assignment



*POWER Connect



- | | |
|---------------------|---------------------|
| 1. ACC (Yellow) | 9. CANb-L (Green) |
| 2. ACC (Yellow) | 10. CANb-H (Orange) |
| 3. Rear-DET (Brown) | 11. N.C |
| 4. N.C | 12. Rear-VCC (Red) |
| 5. CANin-L (White) | 13. N.C |
| 6. CANin-H (Orange) | 14. REAR Camera |
| 7. CANout-L (Blue) | 15. GND (Black) |
| 8. CANout-H (Red) | 16. GND (Black) |

6. Product Composition



Interface 1 EA



OSD Board 1 EA



Interface 1 EA



HDMI Cable 1 EA



Power cable 1EA



SPEAKER 1 EA



Power Cable 1 EA



LVDS Cable 1 EA



Microphone 1 EA



AUX Cable 1 EA

7. DIP S/W Setting

* ON : DOWN , OFF : UP

PIN	FUNCTION	DIP S/W Selection
1	N.C	
2	N.C	
3	N.C	
4	N.C	
5	REAR Operation	ON : USER OFF : OEM
6	CAR type SEL	Right Picture
7		
8		

* DIP S/W Example



C class 8.4" Model



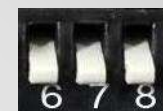
C/GLC class 7" Model



S class 12" Model



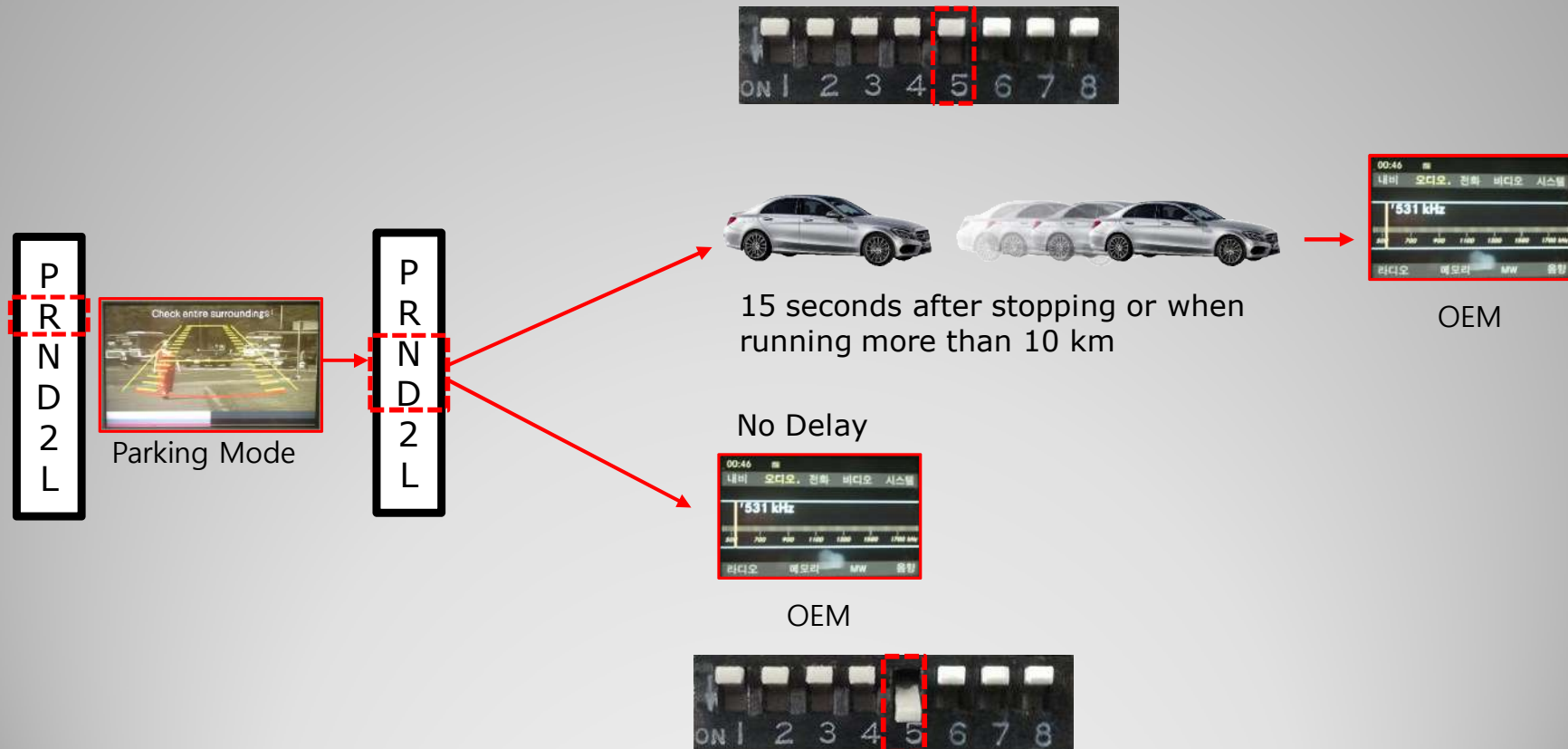
E/B/CLA/CLS/GLE class
7" /8" Model



S class 12" split view

7. DIP S/W Setting

Screen switching time when switching from Parking to Drive



8. Mode Change

C-LASS



GLA



S-CLASS



Long : Mode chang to press 2 seconds
Short : Mode chang to short press

9. Car-Play control

C-LASS



- ① PUSH : Selection
- ② Moving left
- ③ Moving right
- ④ if Carplay, Track down
if Android auto, Moving right
- ⑤ if Carplay, Track up
if Android auto, Moving right
- ⑥ Moving up
- ⑦ Moving down
- ⑧ Back
- ⑨ Siri call

9. Car-Play control

S-LASS



- ① PUSH : Selection
- ② Moving left
- ③ Moving right
- ④ if Carplay, Track down
if Android auto, Moving right
- ⑤ if Carplay, Track up
if Android auto, Moving right
- ⑥ Moving up
- ⑦ Moving down
- ⑧ Back
- ⑨ Siri call

9. Car-Play control

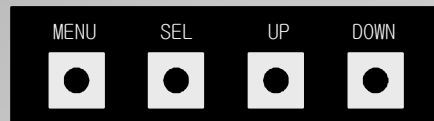
GLA



- ① PUSH : Selection
- ② Moving left
- ③ Moving right
- ④ if Carplay, Track down
if Android auto, Moving right
- ⑤ if Carplay, Track up
if Android auto, Moving right
- ⑥ Moving up
- ⑦ Moving down
- ⑧ Back
- ⑨ Siri call

10. OSD(On Screen Display) Control

OSD Control Board



MENU	When there is no OSD screen, pressing OSD ON When OSD screen is displayed, press OSD EXITT
SEL	Item Selection, Value Selection
UP	Item up Increase selected value
DOWN	Item down Decrease selected value

Mode State		
MENU	Option	
Config	RearCam-Type	ExtDevice
Option	RearCam-Power	Auto
Image	RearCam-Det	GEAR
Screen	AV Mode	Off
Parking	FrontCam-Type	ExtDevice

First Menu Second Menu Third Menu

10. OSD(On Screen Display) Control

OSD Config

First Menu	Second Menu	Third Menu	Description
Config	NAVI-RGB	DIGITAL-INAVI :	Setting the Connected NAVI Model
	REAR	AVM	Unselectable.
	Reset	Execute	Reset to default value of Config menu

MENU	Config NAVI	
Config	NAVI-RGB	DIGITAL-INAVI
Option	DVB-T(DMB)	ELT_DVBT20
Image	DVD	ELT-980XU Slim
Screen	Reset	Execute Cancel
Parking		

10. OSD(On Screen Display) Control

OSD Option

First Menu	Second Menu	Third Menu	Description
Option	NAVI COM	HMS FINE :	Set up manufacturer of woodworking device for UART Touch use
		OFF	Disable feature
	RearCam-Type	OEM	Original Camera
		ExtDevice	Equipped with external camera
	RearCam-Power	ON	+ 12V continuous supply
		AUTO	+ 12V supply only in Rear camera mode
		OFF	+ 12V off
	RearCam-Det	GEAR	Detected by CAN
		WIRE	Detected by Rear-Det Wire
	ScrChg-Climate	ON	PIP-screen operation when air conditioning button
		OFF	Disable feature
	Reset	Execute	Option Menu all Reset

MENU	RearCam-Type		NAVI
Config	RearCam-Type	OEM	
Option	RearCam-Power	Auto	
Image	RearCam-Det	GEAR	
Screen	AV Mode	Off	
Parking	FrontCam-Type	ExtDevice	

10. OSD(On Screen Display) Control

Climate 사용방법



MENU	ScrChg-Climate		NAVI
Config	FrontCam-RcvOpt	Off	
Option	SteeringWheelBtn	Off	
Image	ScrChg-Call	Off	
Screen	ScrChg-Climate	On	Off
OSD	ScrChg-PS	Off	

10. OSD(On Screen Display) Control

NAVI-RGB menu

First Menu	Second Menu	Third Menu	Action
Image	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	Color-RED		Adjust the value of RED
	Color-GREEN		Adjust the value of GREEN
	Color-BLUE		Adjust the value of BLUE
	Reset	Excute	Option Menu all Reset



<< Brightness >>



<< Contrast >>

DVD,DVB-T(DMB),NAVI-AV,REAR,FRONT menu

First Menu	Second Menu	Third Menu	Action
Image	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	Saturation		Adjust the value of Saturation
	Hue		Adjust the value of Hue
	Sharpness		Adjust the value of Sharpness
	Reset	Excute	Option Menu all Reset



<< Saturation >>

10. OSD(On Screen Display) Control

OSD – Screen Menu

First Menu	Second Menu	Third Menu	Description
Screen	Horizontal		Output screen horizontal movement
	Vertical		Output screen vertical movement
	Scale X Up		Reduce / increase output screen width
	Scale X Down		
	Scale Y Up		Reduce / Increase Output Screen Height
	Scale Y Down		
	Reset		Screen menu all reset

MENU	Horizontal	NAVI
Config	Horizontal	50
Option	Vertical	50
Image	Scale X Up	50
Screen	Scale X Down	50
Parking	Scale Y Up	50

10. OSD(On Screen Display) Control

OSD – OSD Menu

First Menu	Second Menu	Third Menu	Description
OSD	Horizontal	<i>value</i>	OSD Menu Horizontal Shift
	Vertical	<i>value</i>	OSD menu vertical Shift
	Display Time	<i>value</i>	OSD Menu Display Time (in seconds)
	Transparency	<i>value</i>	OSD menu transparency
	Language		OSD menu display language
	Reset	Execute	Initialize OSD settings

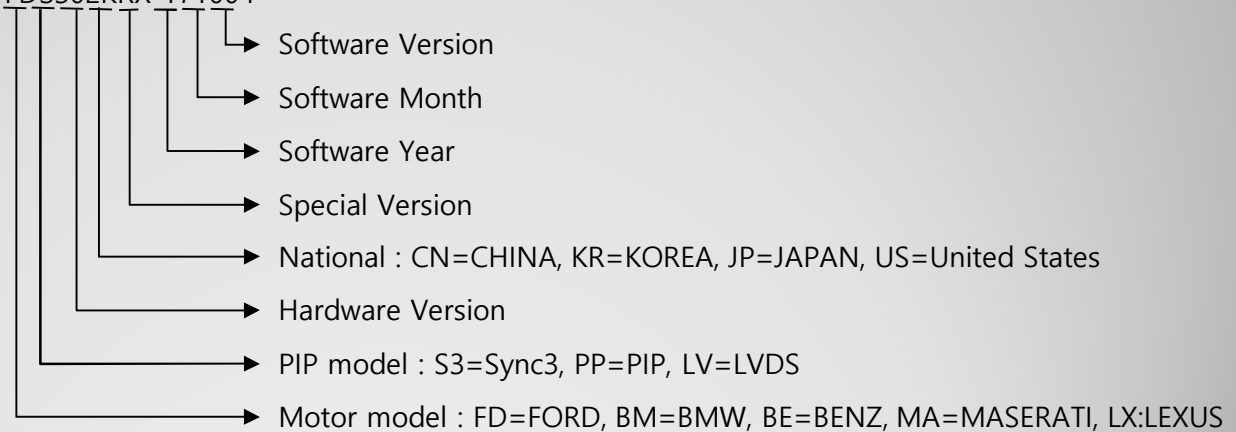
10. OSD(On Screen Display) Control

OSD Utility

First Menu	Second Menu	Third Menu	Description
Utility	Factory Reset	Execute	Initialize all settings
	Version		FDS302KRX-171004 (Check for future upgrades)

MENU	Utility	NAVI
OSD	Factory Reset	Execute Cancel
IR-Ctrl	Calibration	Execute Cancel
Utility	Version	FDS302KRX-171004

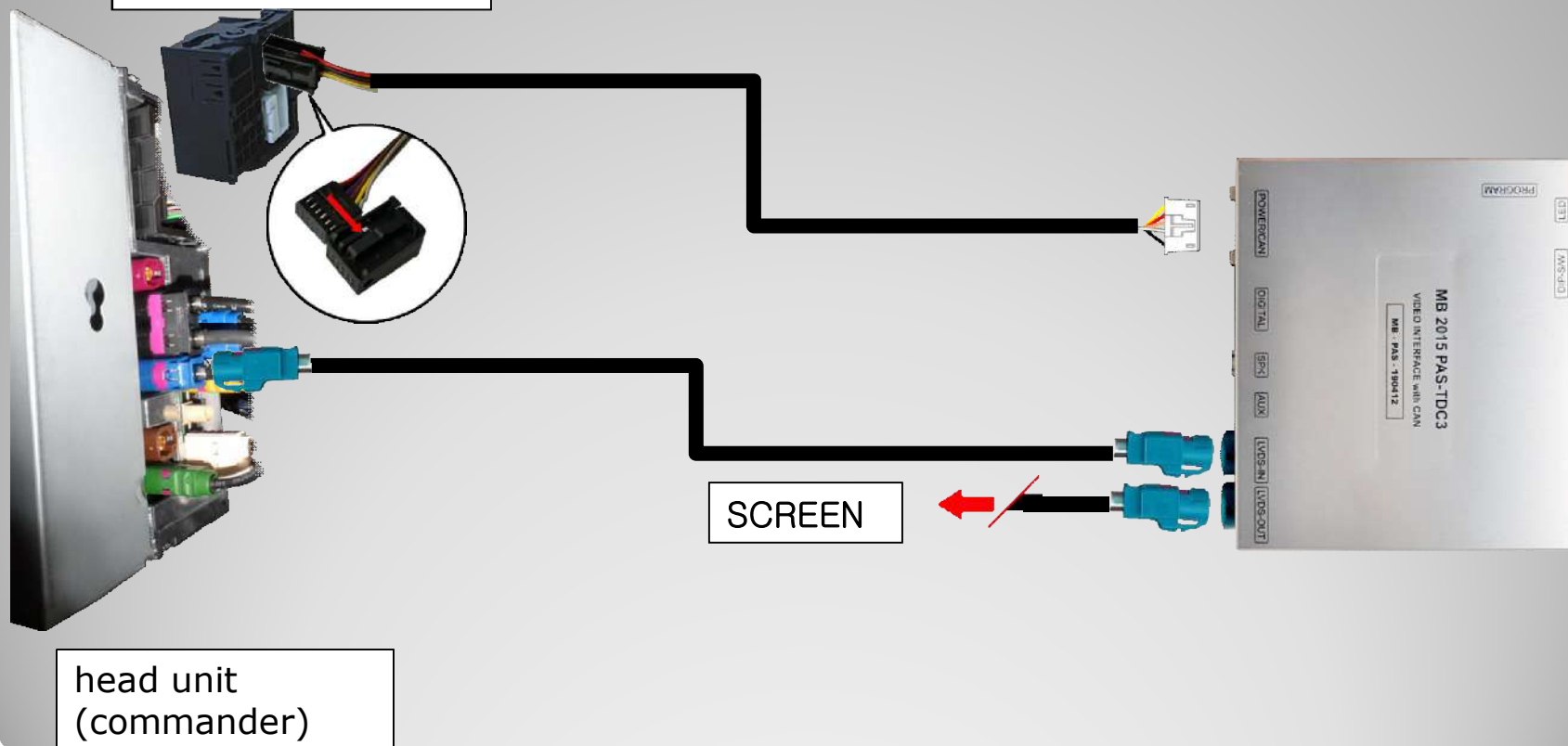
Last Source : FDS302KRX-171004



11. Install Manual

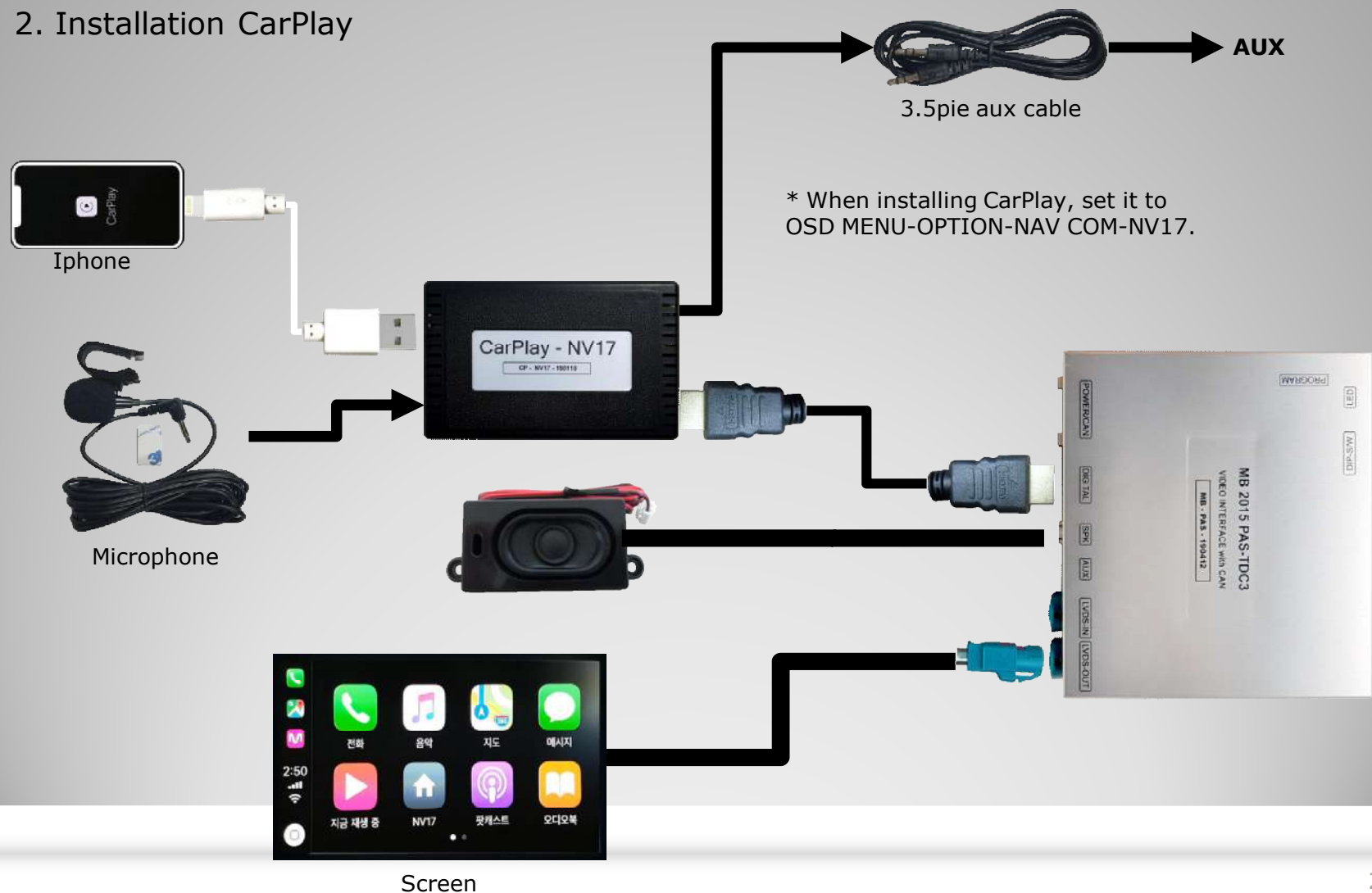
1. Installation LVDS connection

Must be black Do not use white



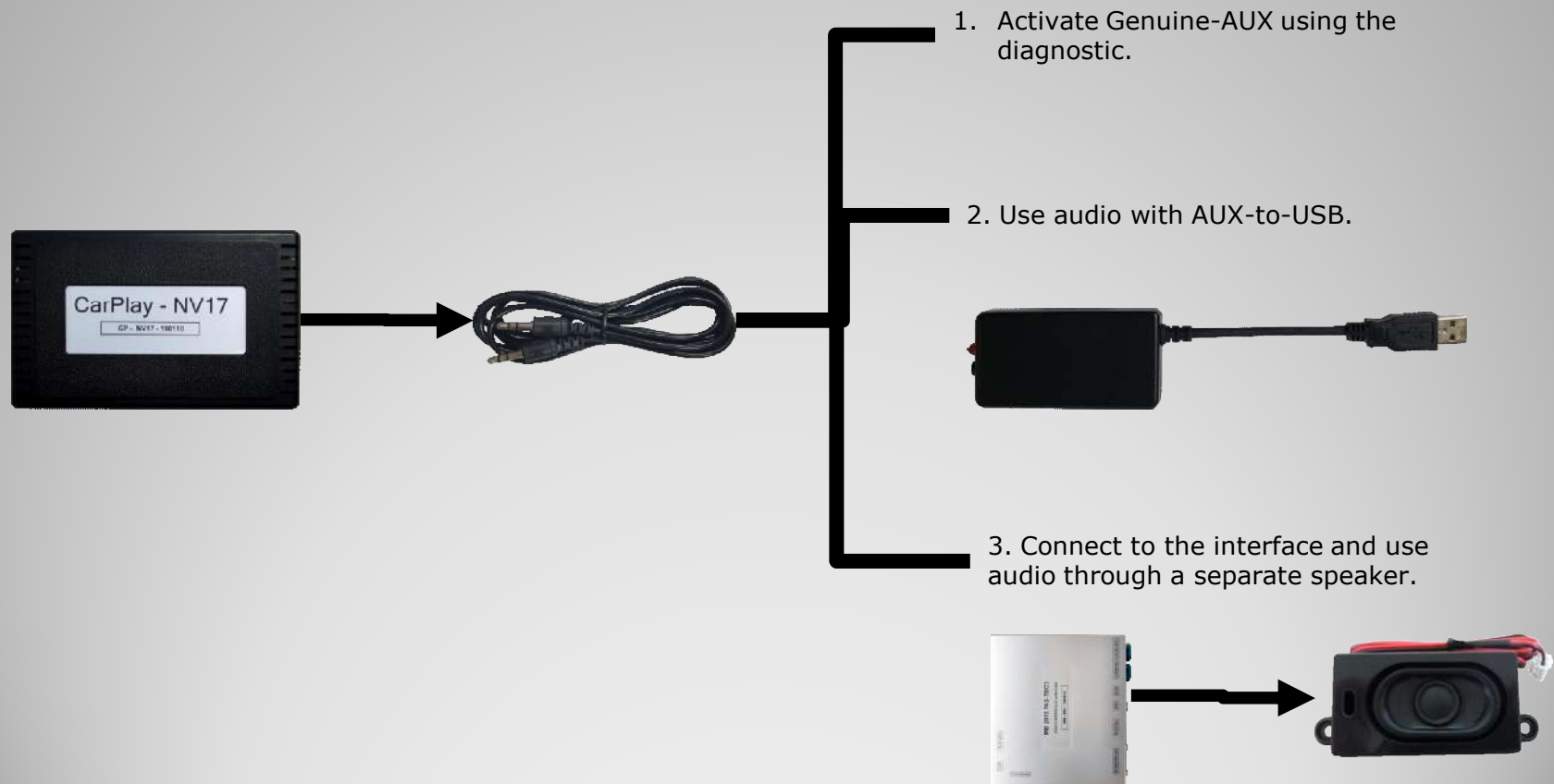
11. Install Manual

2. Installation CarPlay



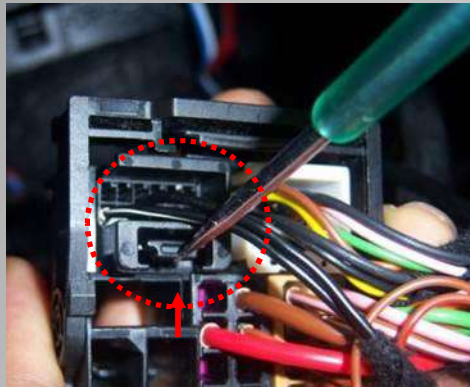
11. Install Manual

3. Installation Audio

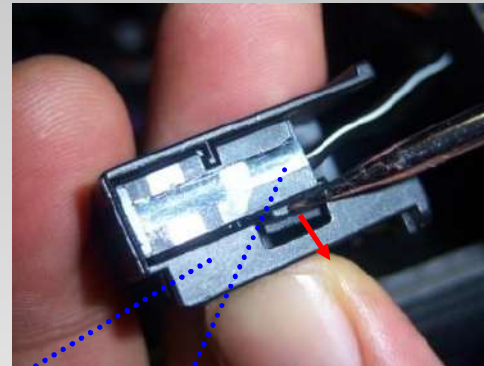


11. Install Manual

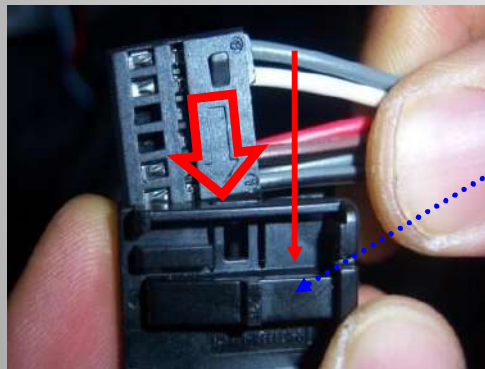
4. Installation CAN connection



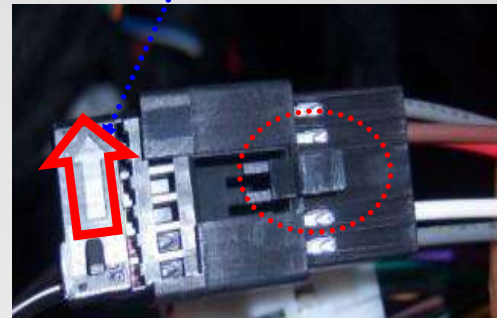
Remove
genuine black
connector



Push the lock
to disconnect
the connector



Attach the
connector with
care in the
direction of the
arrow



Attach the
connector with
care in the
direction of the
arrow

※ Be sure to note the arrows !

12. Q & A

1. Check the LED status first when interface failure..
 - If there is no abnormality after the power is applied, the green LED flashes in units of 1 second.
 - If the red LED flashes for 1 second, there is no.
 - If the red LED is on continuously, the interface itself is bad.
 - If nothing turns on, check that the power and CAN signals are properly connected
2. Q : When the screen turns black
A : LVDS cable itself is bad or bad contact.
3. If you find any symptoms with these symptoms, please contact your distributor