Main Specifications

Input Voltage	12~16V DC
Rated Current	2A
Rated Power	24W
Material	Housing aluminum
Connection	Wireless , USB
Control	Original car knob control, voice control
Working Temperature	-20 ~ 80 degree

Components

Main Harness

LVDS Cable

AV,USB Cable

ANTENNA

Option Parts

USB To AUX Module

AUTOLINK
AL-OBD-NTG5
AUX-IN ACTIVATOR

OBD Aux Module

Compatibility Chart

Car Model	Code Name	Year
C-Class	W205	2014 ~ 2019
GLC-Class	X205	2014 ~ 2019
S-Class	W222	2013 ~ 2019
V-Class	W447	2014 ~ 2019

Body Connector specifications

HDMI IN
<Only Supports 720P>

LVDS　　**USB / VIDEO**　　**POWER/CAN**

LVDS Cable

AV CABLE

1 ──── 8

9 ──── 16

REVERSE CAM
FRONT CAM
REVERSE 12V INPUT
REVERSE 12V OUT
ACC 12V OUT
GROUND
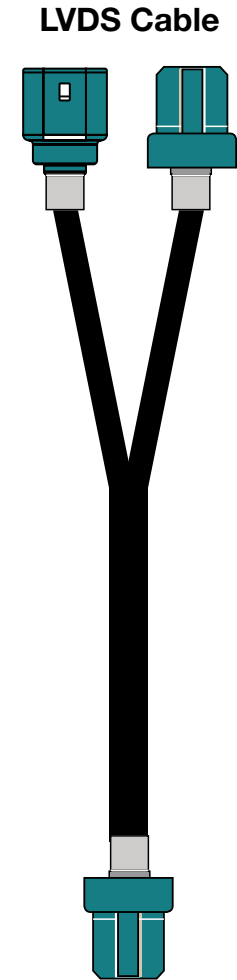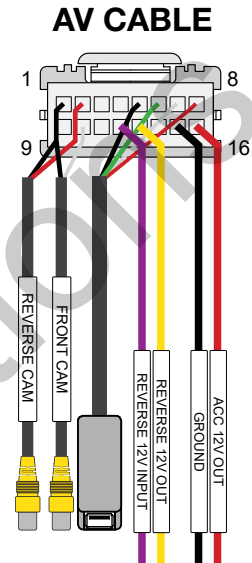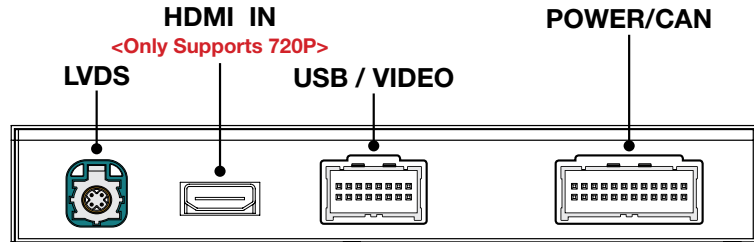
AV CABLE			
1	CVBS_GROUND	9	
2	REVERSE_CAM _VIDEO_INPUT	10	FRONT_CAM _VIDEO_INPUT
3		11	
4	GROUND_SHIELD	12	REVERSE_12V_INPUT
5	USB_GND	13	REAR_12V_POWER_OUT
6	DATA +	14	
7	DATA -	15	GROUND
8	5V POWER	16	12V(ACC)_OUT

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Car Compatibility Chart

Car Models	Specific Models	Production Year	Specific Models	Screen Size
A-Class *facelift*	W176	2016 - 2018	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch 8 inch
CLA-Class *facelift*	x156	2015 - 2018	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch 8 inch
	C117	2016 - 2018		
B-Class *facelift*	W246	2015 - 2019	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch 8 inch
C-Class	W205	2014 - 2019	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch 8.4 inch
SLC-Class	R172	2015 - 2019	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch
E-Class	W212	2015 - 2017	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch
CLS-Class	W218	2015 - 2018	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch
GLC-Class	X253	2015 - 2019	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch 8.4 inch
GLE-Class	W166	2015 - 2019	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	8 inch
GLS-Class	X166	2015 - 2019	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	8 inch
V-Class	W447	2015 - 2019	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch 8.4 inch
X-Class	W470	2015 - 2019	- COMAND APS NTG 5.0/5.1/5.2 (ONLINE) and AUDIO 20.	7 inch 8.4 inch

Mercedes NTG5 <7 inch>

Mercedes NTG5 <7 inch>

Mercedes NTG5 <8 inch>

A, CLA-Class *facelift*

B-Class *facelift*

C-Class

E-Class

CLS-Class *facelift*
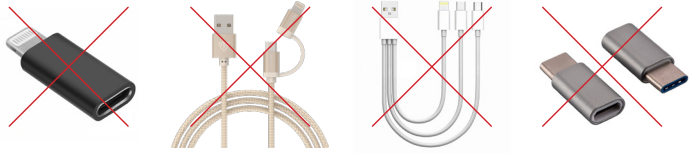
SLC-Class

V-Class

X-Class

GLA-Class

GLC-Class

GLE-Class

GLS-Class

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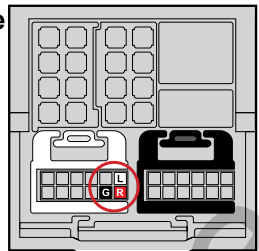
Full Installation Diagram

We recommend using for each phone manufacturer genuine cable

Please. Never using "Adapter Type and Multi cable"

Apple Car Play
Apple i-phone

Android Auto
Google Android

AV Cable

REVERSE CAM

REVERSE CAM

FRONT CAM

FRONT CAM

RF CABLE   TOGLE SWITCH

HDMI IN
<Only Supports 720P>

LVDS   HDMI IN   USB / VIDEO   CAN

GROUND	Ground
REVERSE 12V IN	Reverse Detect 12V IN
12V ACC OUT	12V Power **ACC OUT**
12V OUT REVERSE CAM	12V Power **OUT** For Reverse Cam Power

OBD AUX Module

AUTOLINK
AL-OBD-NTG5

L
G
R

When Using OBD AUX
Please check audio pin spec and connect

USB AUX Module

※ Connect to the **"USB1"** Port in the console box

L R GND

※ **Move optical cable to Provide quadlock harness**

W205 Head Unit

※ **Connect sound using "OBD-AUX" or "USB-AUX"**
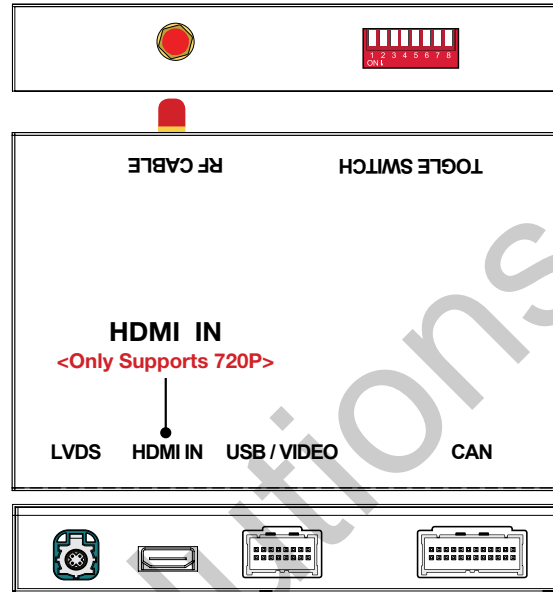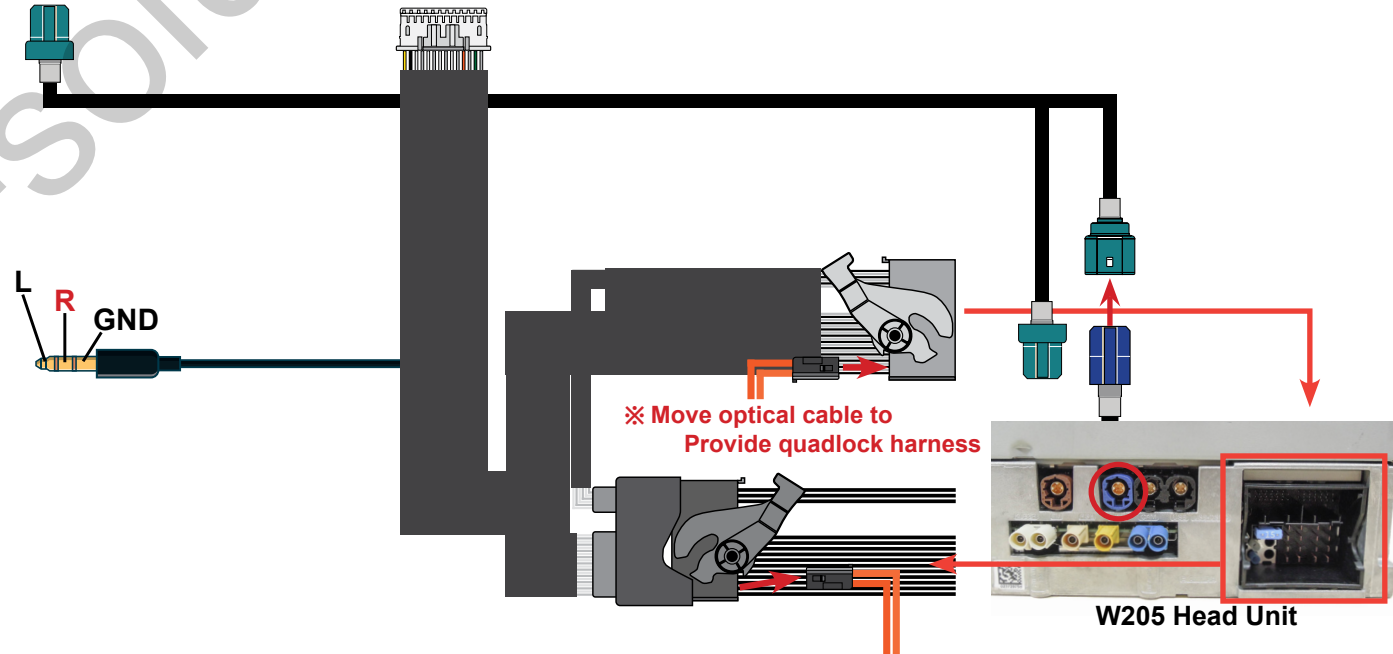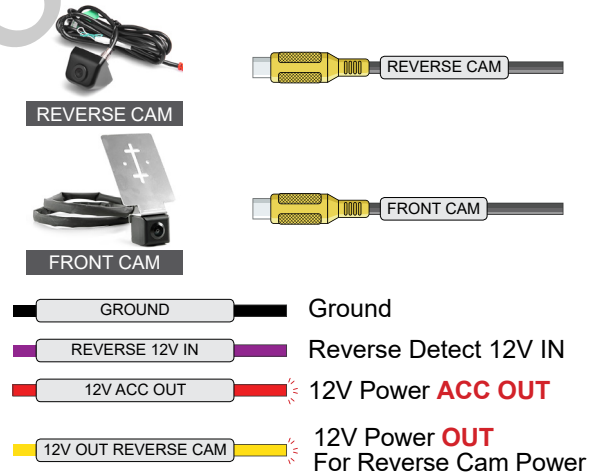
DIP Switch Settings

OFF / ON 1 2 3 4 5 6 7 8 ON↓

ON : ↓   OFF : ↑

PIN	ON (▼)	OFF(▲)
1	External Microphone	OEM Microphone
2	Used Default **"OFF(▲)"**	
3	Selection of car mode	
4		
5	**8,4 Inch** 960 X 480	**7 Inch , 8inch** 800 X 480
6		
7	Used Default **"OFF(▲)"**	
8	Used Default **"ON (▼)"**	

No.3	No.4	No.5	No.6	Year	Car Model	Code Name	Screen Size
OFF(▲)	ON (▼)	OFF(▲)	OFF(▲)	2016 ~ 2018	A,CLA,GLA	W176	7 inch 8 inch
				2015 ~ 2019	B-Class	W246	
				2015 ~ 2018	CLS-Class	C218	
				2015 ~ 2019	GLE-Class	W166	
				2015 ~ 2019	GLS-Class	X166	
				2015 ~ 2019	SLC-Class	R172	
ON (▼)	ON (▼)	OFF(▲)	ON (▼)	2015 ~ 2017	E-Class	W212	7 inch
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	2014 ~ 2019	C-Class	W205	7 inch
				2015 ~ 2019	GLC-Class	X253	
				2015 ~ 2019	V-Class	W447	
				2015 ~ 2019	X-Class	W470	
OFF(▲)	OFF(▲)	ON (▼)	ON (▼)	2014 ~ 2019	C-Class	W205	8.4 inch
				2015 ~ 2019	GLC-Class	X253	
				2015 ~ 2019	V-Class	W447	
				2015 ~ 2019	X-Class	W470	

Activation by original buttons
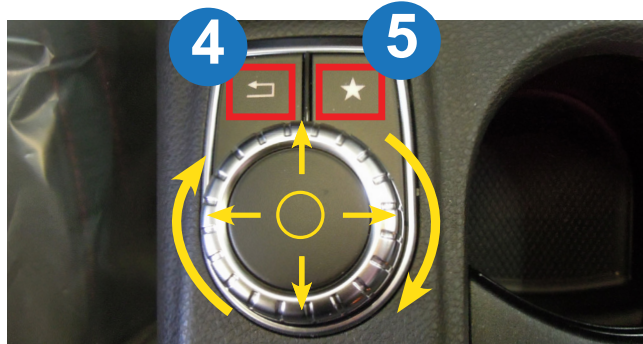
A-Class Buttons

C-Class Buttons

 Apple Car Play

 Android Auto
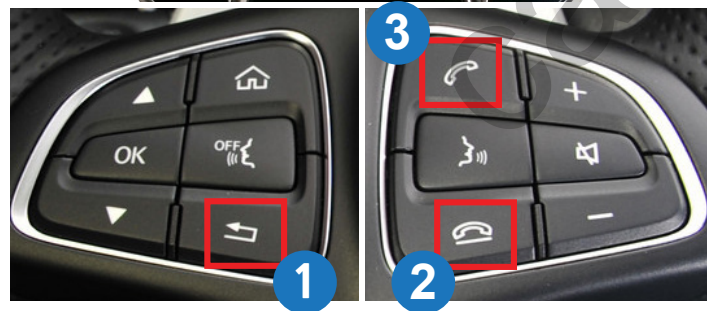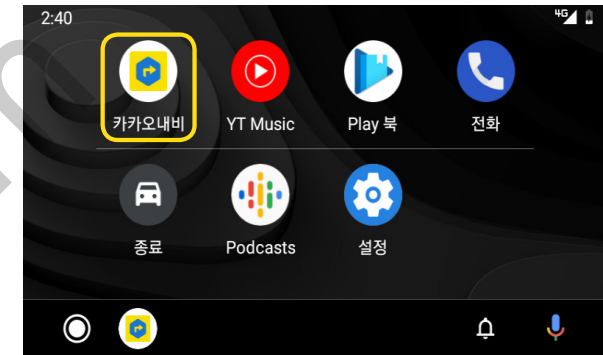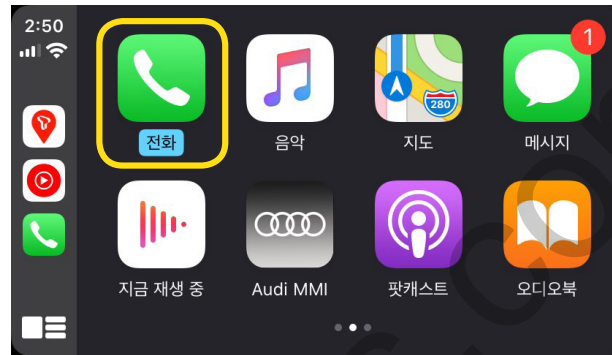
Button	Function	Operation	Remarks
1	Changing Modes	Press the button 3 seconds	Order : OEM → Car Play
		Press the button short time	Return to the OEM mode in any modes.
↕↔ ↻	Move the pointer Select	Turn the dial Press the dial	Apple Car Play Function
			Google Android Auto
3	Answer Phone Call	Press the button	Apple Car Play Function
			Google Android Auto
4	Reset	Press the button 5 seconds	Apple Car Play Function
	Go back	Press the button	Google Android Auto
5	Changing Modes	Press the button 3 seconds	Order : OEM → Car Play
		Press the button short time	Return to the OEM mode in any modes.
2	"Siri" "Google Assistant"	Press the button 3 seconds	Apple Car Play Function
			Google Android Auto

User Interface

Airplay (Apple i-phone mirroring) <WIFI>

It is connected by wifi signal

- Turn on the wifi on the i-phone
- Select Carplayxxxxxx
(The wifi name might be deffrent) and connect

- Select "Air play" in the "i-Phone Control Center"
- The smart phone screen
  will be copy on the car screen

WireAuto (Android Auto) <Cable>

Apple Carplay Wireless,Cable

WirelessDev Setting (Bluetooth)

Wireless Carplay Settings **(Bluetooth)**
※ Only (Apple i-Phone)

Android Mirroring <Cable>

USB Player (Media,Music)

HDMI IN PUT

Setup <Please Check Next Page>

Front Camera

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When it installed front view camera
The user can check front view camera image with it

Settings

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Language — English | Italian | Spanish | Turkish | Chinese

Display — Brightness | Contrast | Chromaticity | Saturation

Audio
- Volume — 0 [____] 18
- EQ — [||||||] — You can adjust sound the frequencies to make it
- Loudness — ON | OFF
- Mic Echo PreConfig — Default
- Microphone Volume — 0 [____] 24
- Microphone OP — 0 [____] 6
- Microphone PGA — 0 [____] 30
- Microphone Delay — 0 [____] 30
- AEC quality — 0 [____] 2

Wifi Channel(reboot required)
It function is stable wireless Carplay
You can improve wireless connection by change wifi channel.

6	2.4Ghz	Basic wifi channel
36	5 Ghz	It's a global channel in the United States.
149	5 Ghz	It's a chinese channel.

Reverse
- Reverse Camera
  - Original — Original = OEM Rear view Camera
  - Aftermarket — Aftermarket = External Rear view Camera
- Reverse Line Detect — ON | OFF
- Reverse Display Track — ON | OFF
- Reverse Display Radar — ON | OFF
- Front View Time — 0 [____] 10 — When you shift gear 'from R to D' or 'from P to D', it just works automatically during the activation time you selected
- Reverse Full Screen — ON | OFF

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Settings <System>
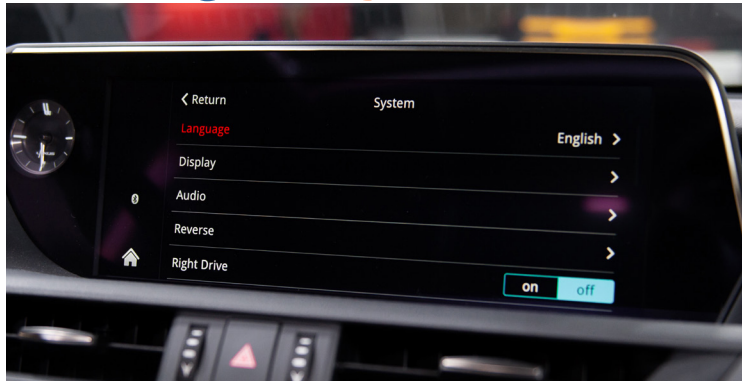
| Right Drive | ON | OFF | ON = Left Steering Wheel
OFF = Right Steering Wheel |

| Camera Mirror | ON | OFF |

Switch L/R Key to D/U Key — ON OFF

Right
Left
OFF

Up
Down
ON

Wheel key swap
- No swap
- Swap
- Invalid

Carplay Left Scrap — 0 —————— 10

Carplay Left Scrap — 0 —————— 10

Software Update

- **System Update**
  - Copy the update file "ISPBOOOT.BIN" to the root directory of USB storage.
  - Plug in the USB storage on the carplay box USB port
  - Select the "System update" or Prees the BACK button 5sec "It will be restart and start update automatically"

  Please. Never power off the box on updating

- **MCU Update**
  - Copy the update file "Upgrade.bin" to the root directory of USB storage.
  - Plug in the USB storage on the carplay box USB port
  - Select the "MCU update"

  Please. Never power off the box on updating

- **Logo Image Update**

  Logo Image file format
  File Name : "no logo.bmp"   **Size** : 800 x 480
  - Copy the update file "no logo.bmp" to the root directory of USB storage.
  - Plug in the USB storage on the carplay box USB port

- **Carplay icon Update**

  Carplay icon Image file format
  File Name : "no cp_back.png"   **Size** : 250 x 250
  - Copy the update file "no logo.bmp" to the root directory of USB storage.
  - Plug in the USB storage on the carplay box USB port

Downloade Update File

http://indiwork.co.kr/manual-carplayandroid-auto/

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Recomand Setting

8.4inch Screen
C,GLC (W205), V (W447) X (W470)

Setting	Value
Microphone Volume	24
Microphone OP	2
Microphone PGA	0
Microphone Delay	6
AEC quality	2