

INSTRUCTION MANUAL

CARPLAY/ANDROID AUTO INTEGRATION FOR
BMW NBT & NBT-EVO ID4 HEAD UNIT

Model No.	VI-BM-24C
MCU Ver.	120010
CP-SW Ver.	20190701-v1.10.15
Manual Ver.	1.0
Date	Jul. 25, 2019



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WARNING

In order to protect the driving safety and avoid break the traffic law; please DO NOT operate the interface while driving.

The reversing surveillance function just is used in reversing assistance. Please check the entire surroundings while reversing.

All steps of installation should be done by the well-trained specialist.

During installation, the ignition key should be taken off and after all installation finished, connect power cable last.

Please DO NOT plug or pull the connected cables in the state of power-on, in order to avoid damaged monitor or accessory.

Install wiring in a manner in which cables will not come in contact with metal parts. The wiring may be damaged by contact with metal parts, resulting in fire and shocks. Avoid all contact with hot surfaces when wiring the main unit. High temperatures may damage wiring, causing shorts, arcing and fires.

Please DO NOT put the product in the damp environment or water, in order to avoid electric shock, damaged and fire accident caused by a short circuit.

Kindly check all components are in the box when receiving the product. If anything missing, inform to the supplier/manufacturer.

Start the engine before loading, check the interface whether have function displayed, key control whether correct, the vehicle interface whether having a scratch. Please give the feedback to the supplier/manufacturer if there have any questions.

Please note that put the disassembled automotive components in a good way on the installation process, avoid scratching the instrument panel, the leftovers of connecting cables need to handle and DO NOT leave it in the car. The connecting plug must be insulated in order to short circuit.

The cables should be connected in a good way, the vehicle installation space is a little small, so reduce space usage as far as possible. There should be a good plan about connect cables, avoid affecting the active component of connecting, such as control components of turning the steering wheel, throttle and brake pedal. There need to be fastened after connecting cables in case of a drop.

COMPATIBILITY

Make	Models	Years	Original system
BMW	1 series	2013-2017	NBT (high-cic) & NBT-EVO ID4 6.5/8.8/10.25 inch 4+2pin LVDS connector
	2 series		
	3 series		
	4 series		
	5 series		
	6 series		
	7 series		
	X1		
	X3		
	X4		
	X5		
	X6		
MINI	Cooper	2013-2015	

FEATURES

Integrated 2 in 1 module supports Apple CarPlay and Android Auto

Support USB HD video and lossless music playback (APE, WAV, FLAC, MP3, WMA, etc.)

Offers 2 video in for front and rear view camera

Support PDC (Parking Distance Control) and FPG (Flexible Parking Guidelines)

Supply pure 12V power to the front/rear view camera

Display front view automatically after shifting from “R” gear, also support setting the duration

Adjustable left/right driving layout on CarPlay

VGA input for specific 360 panoramic system, offers a clearer picture

Operate by iDrive joystick and steering wheel buttons

Support OEM microphone

Support further software update



CarPlay



Android
Auto



USB
multimedia



FPG



PDC



F/R view
camera

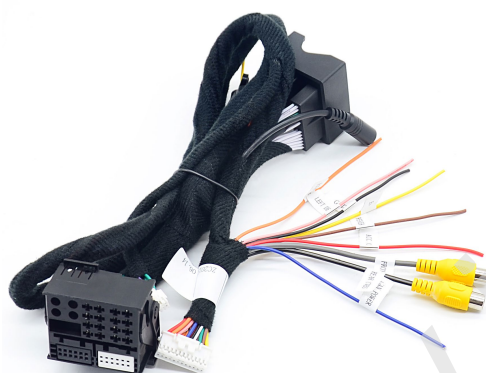


Software
update

PACKAGE COMPONENTS



Main unit



Quadlock power harness



LVDS cable



USB/MIC cable

Optional components:



External microphone

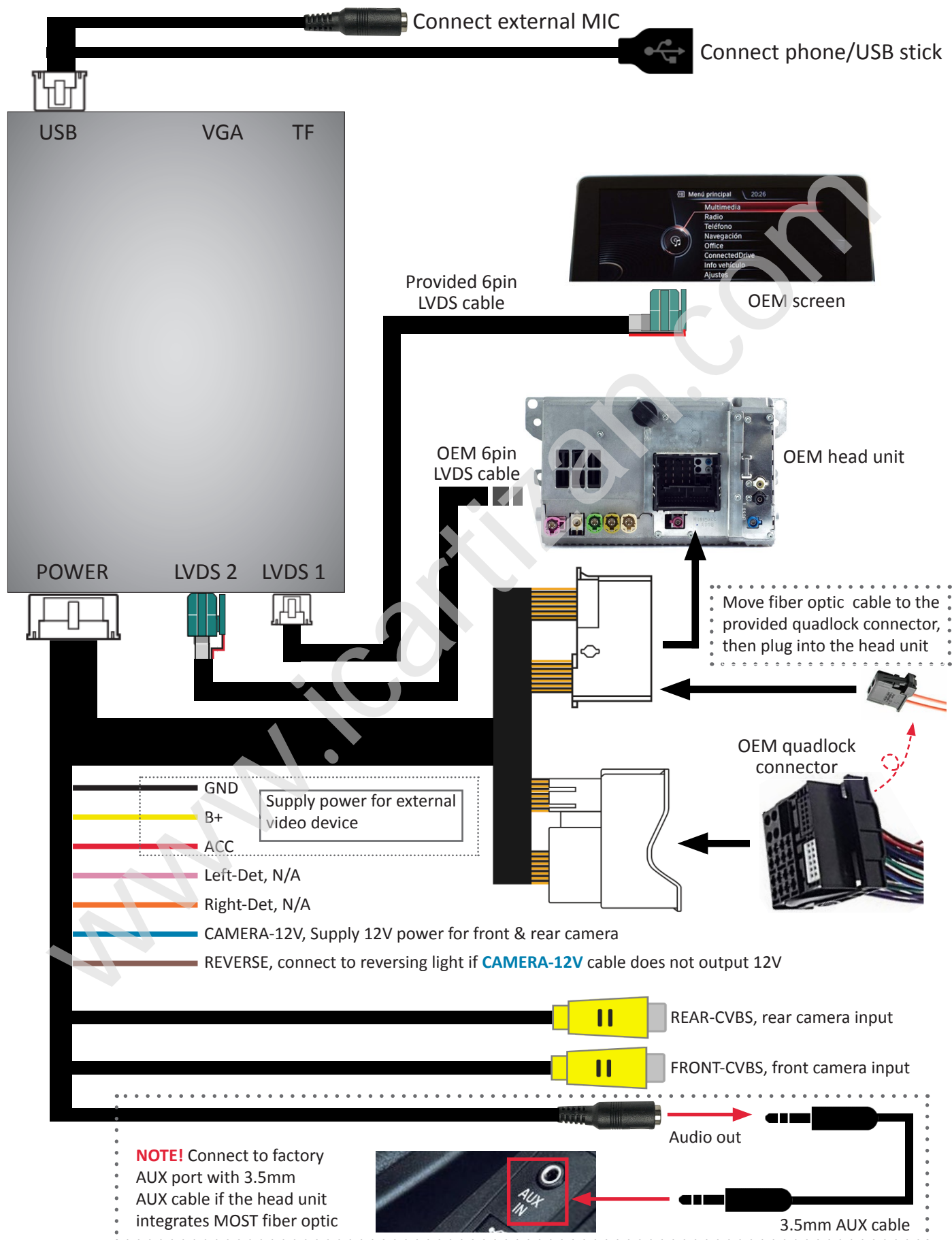
(Designed for car without factory microphone)



3.5mm AUX cable

(Connect to factory AUX port if the head unit integrates MOST fiber optic)

CONNECTION DIAGRAM



DIP SETTING

OFF

ON



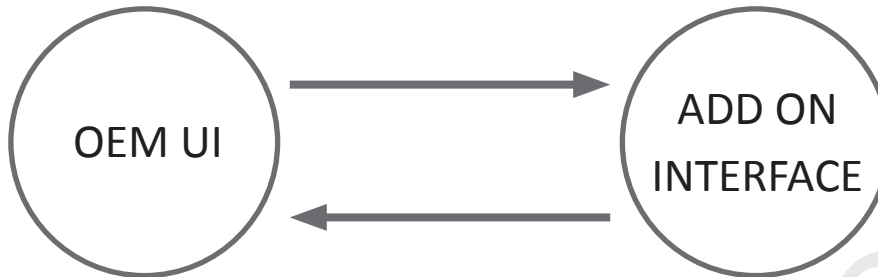
PIN	ON ↓	OFF ↑
1	Disable PDC, (full screen reversing camera)	Enable PDC (split reversing screen with PDC)
2	Disable 360 panoramic	Enable 360 panoramic
3	CVBS	VGA
4	If you use aftermarket camera and the image does not display, set this dip to ON	Default
5	Selection of OEM screen size	
6		
7	Original rear camera or none	Aftermarket rear camera
8	External microphone	Original microphone

5	6	Screen size
OFF	OFF	8.8 or 10.25 inch
ON	OFF	6.5 inch (default)
ON	ON	6.5 inch (alternative)
OFF	ON	Reserved

NOTE! Please disconnect and reconnect interface's power for effective after changing any DIP setting.

OPERATION INSTRUCTION

● HOW TO SWITCH FROM ORIGINAL TO ADD ON INTERFACE



Press and hold "**MENU**" or "**BACK**" button on iDrive controller for 3S to switch menu. It will also switch to add on interface automatically after plugging a mobile phone or USB stick.



NOTE! Make sure source switch to "AUX" mode on original car stereo for audio transmission before using the integration.

● SHORTCUTS



- Set audio source to AUX in the "**Multimedia**", then press and hold #8 to program it as an AUX input shortcut. Every time the #8 is pressed, it will switch to add on interface while also changing the audio source to AUX.

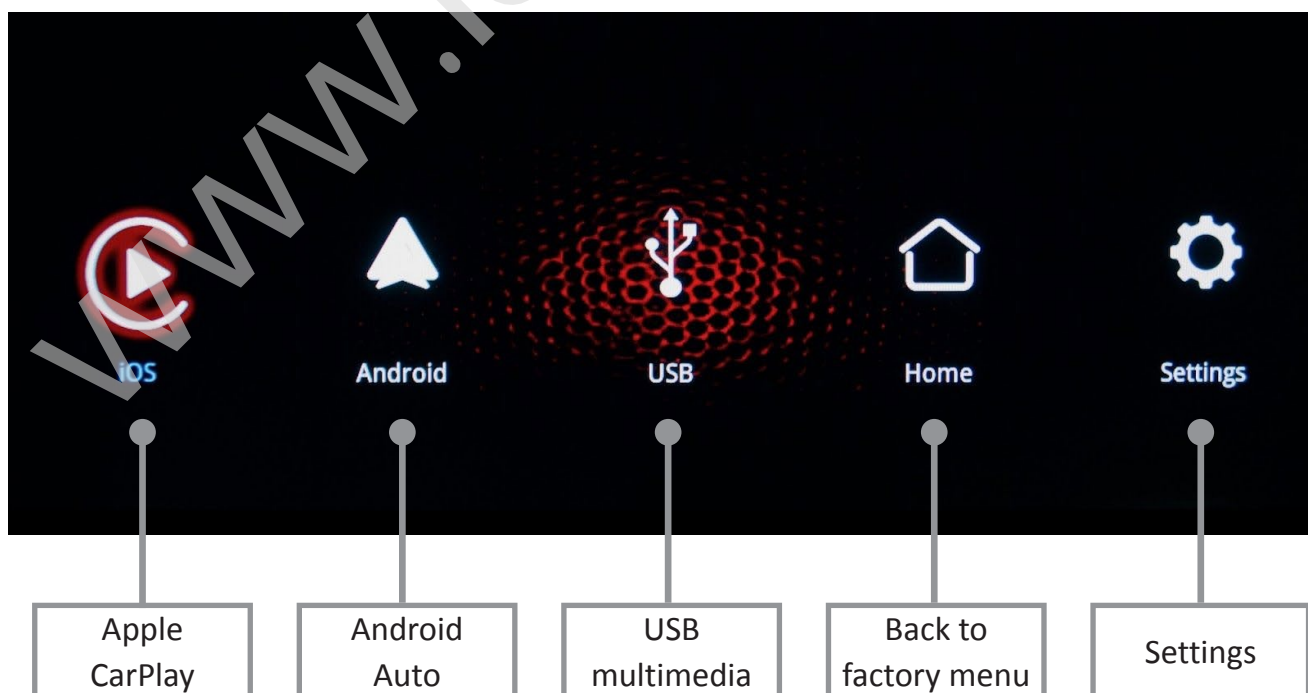


- Press and hold "**OPTION**" for 3S to display front view camera

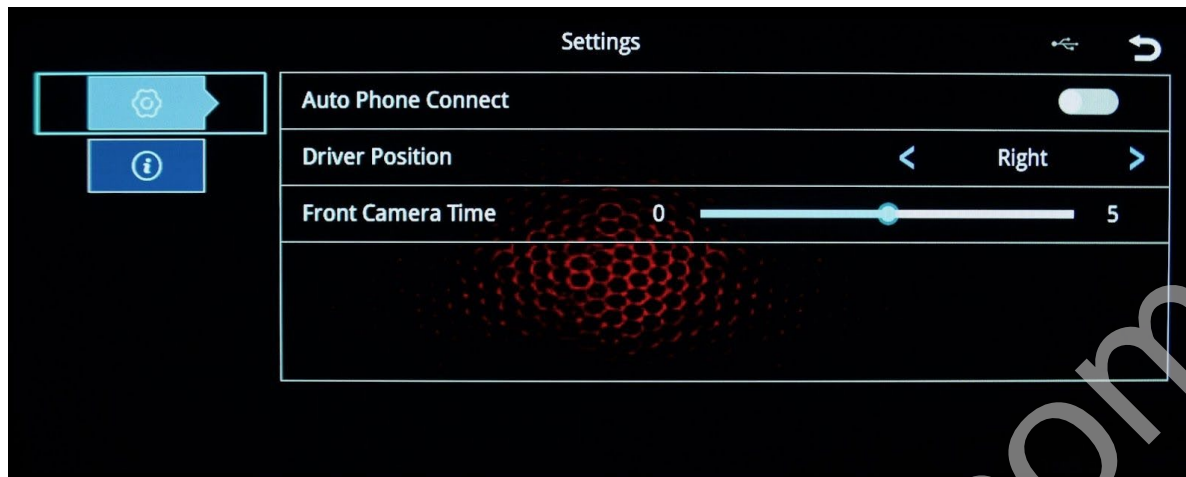


- Press and hold "**MODE**" on steering wheel for 10S will reboot the interface

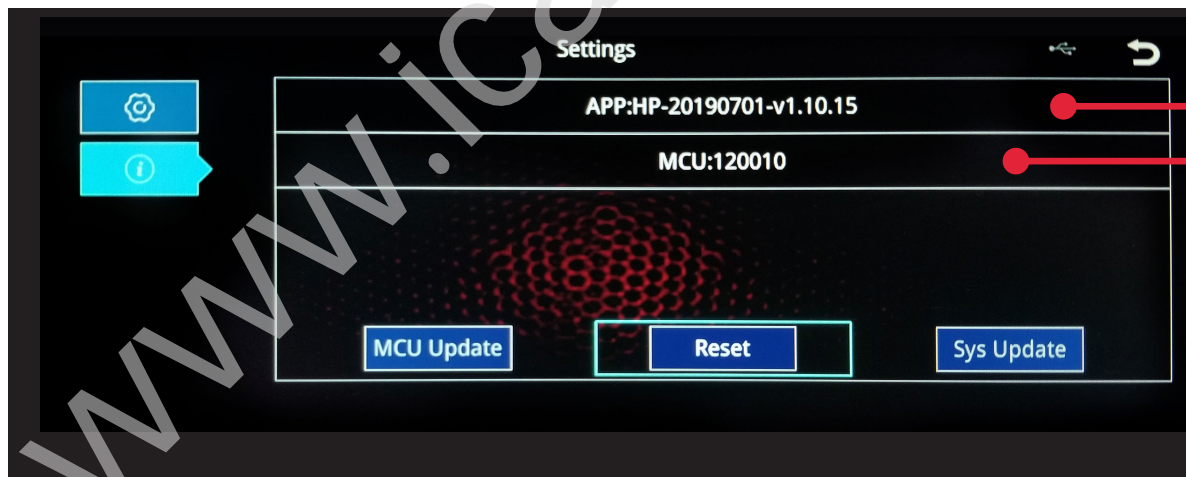
● ADD ON MODULE UI



● SETTINGS



- Auto Phone Connect **ON**: CarPlay or Android Auto will start automatically after connecting your iPhone or Android smartphone.
- Driver Position **Left/Right**: Left/right driving mode on CarPlay.
- Front Camera Time: Automatic front view display time, 0 means disable front view, 10s max.

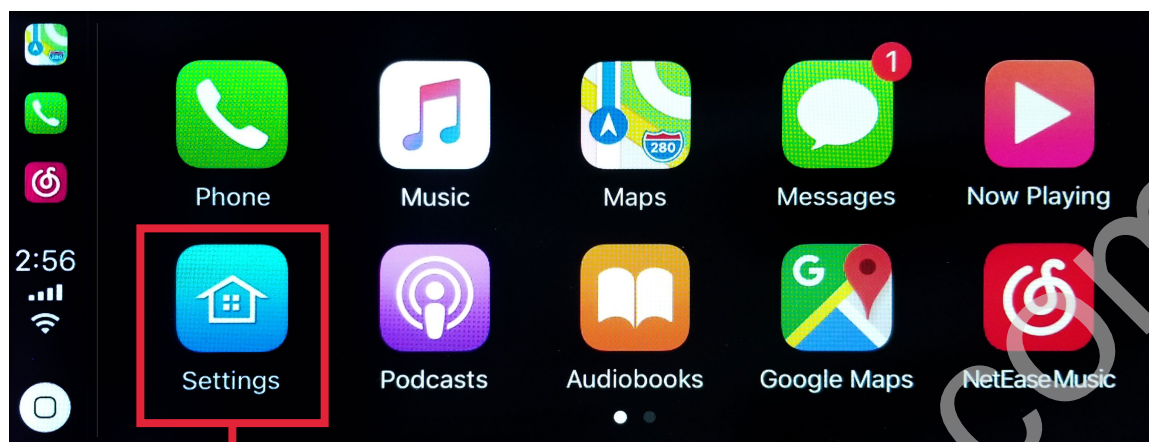


MCU version

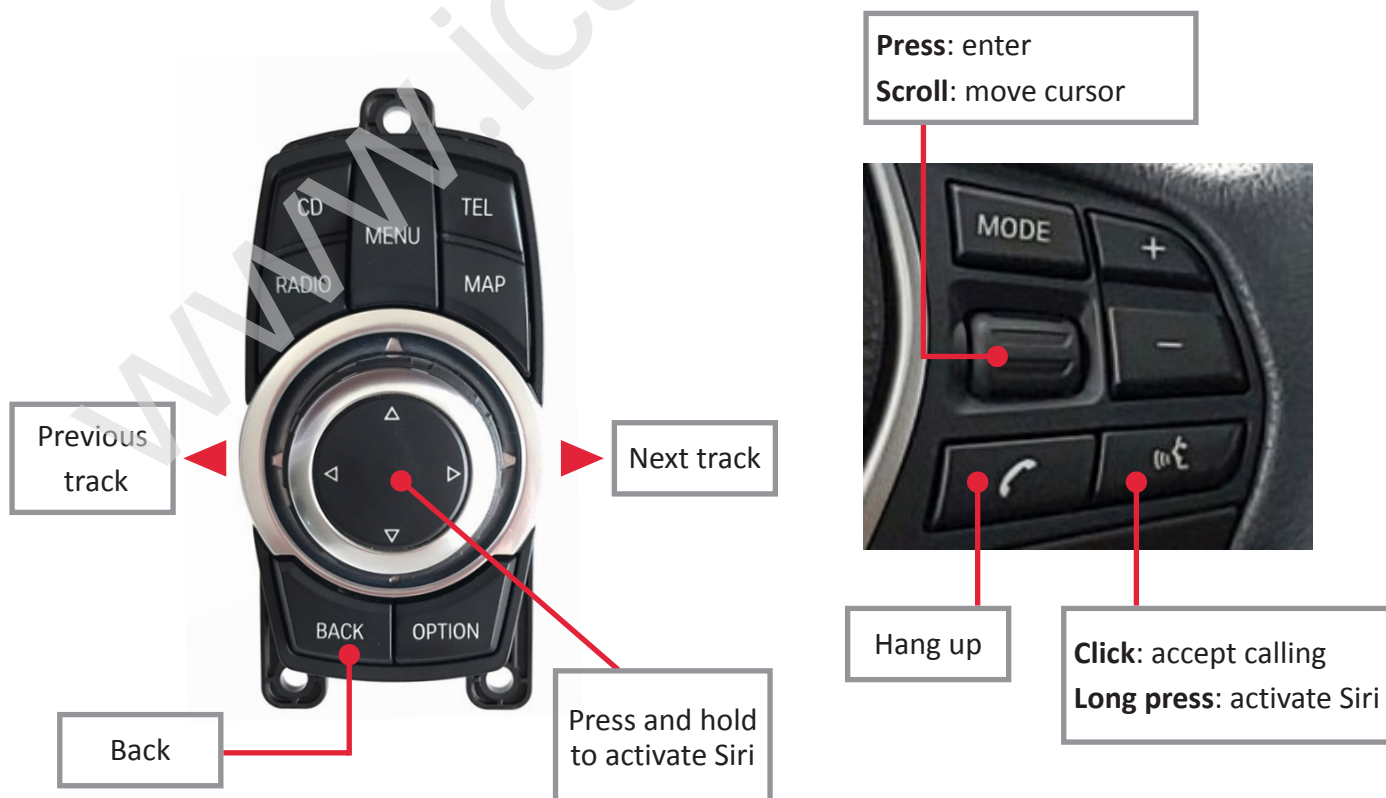
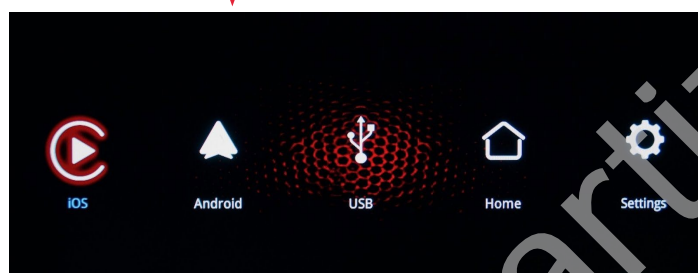
CP software version

● APPLE CARPLAY

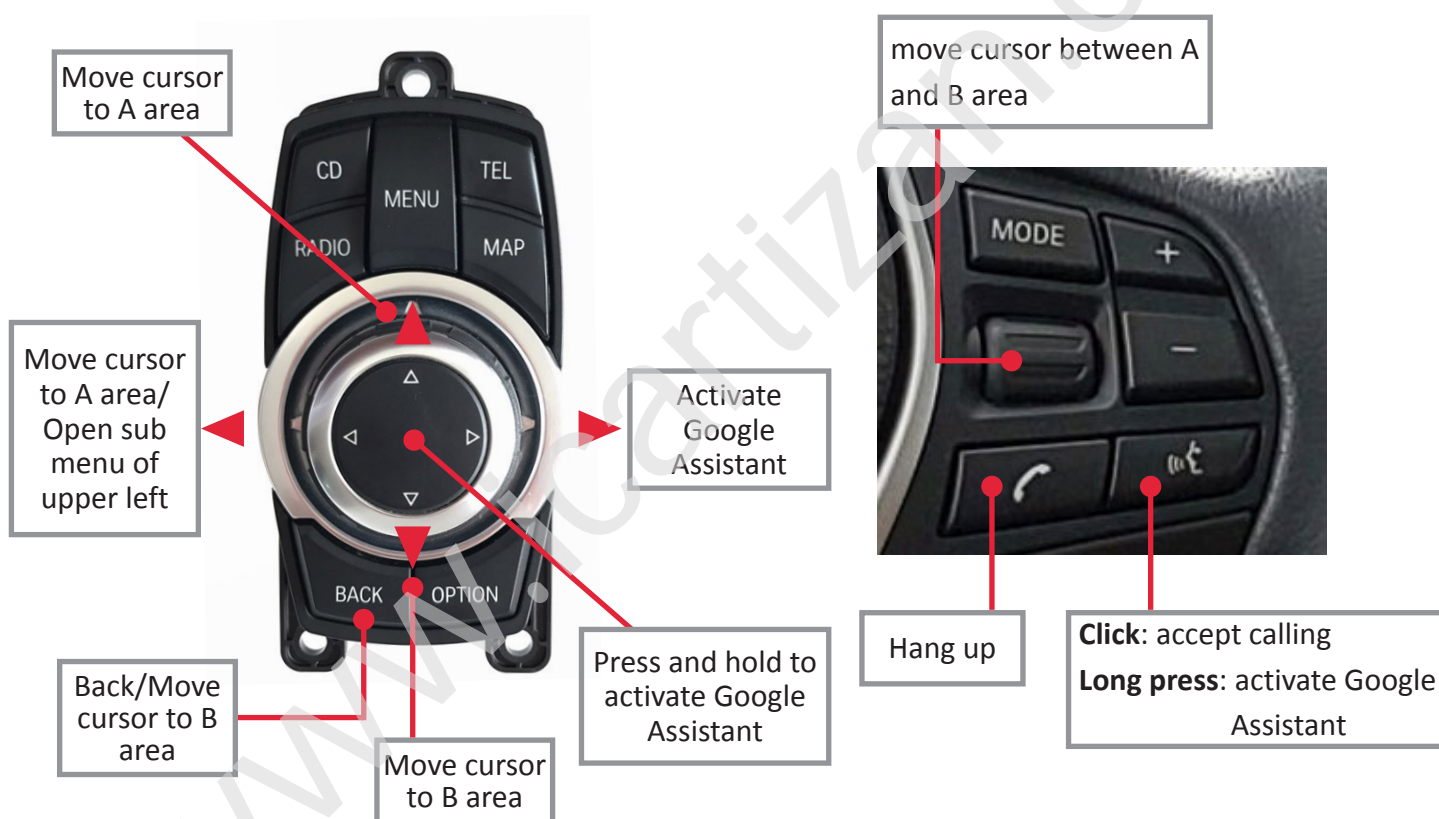
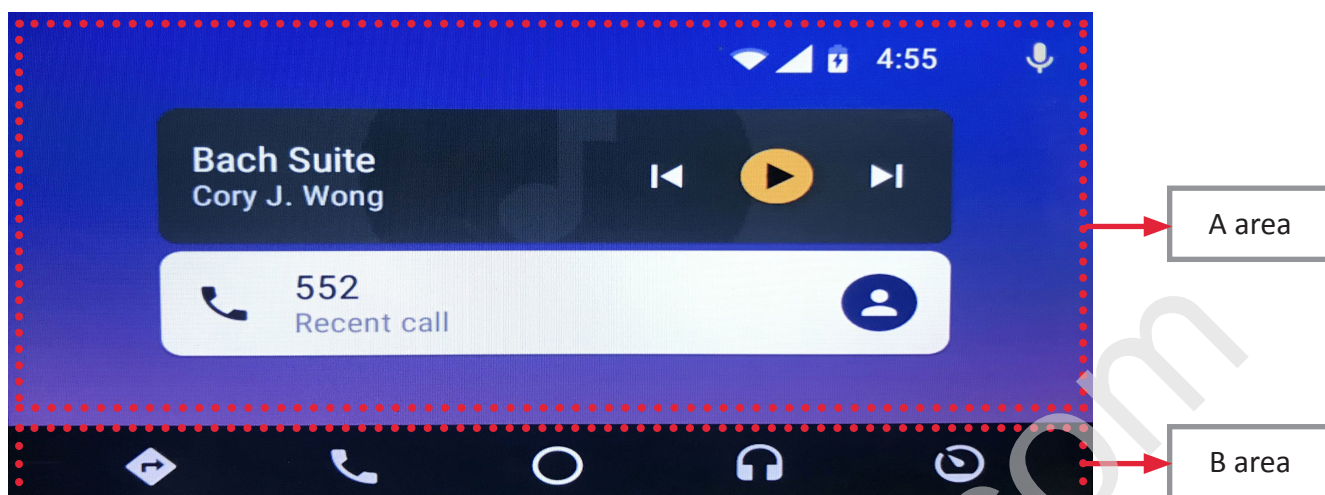
NOTE! Please disconnect iPhone's bluetooth before using Apple CarPlay.



Back to add on main menu



● ANDROID AUTO



NOTE!

Make sure smartphone connect to original car stereo Bluetooth (tick **CALL AUDIO**, uncheck **MEDIA AUDIO**) for phone call audio delivering when using Android Auto.

