

# Instruction Manual

CarPlay Integration for Volkswagen MIB2 System

<b>Model No.</b>	<b>CV-MIB-CPAA</b>
<b>MCU-SW Ver.</b>	0C0C00
<b>CP-SW Ver.</b>	C7.5
<b>Manual Ver.</b>	1.1
<b>Date</b>	10 .2019

**CARVISION®**

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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

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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.

Brands	Models	Years	Original System
Volkswagen/Porsche	Golf, Passat, Polo, Tiguan, Magotan, Jetta, Beetle, Fox, etc. <b>Porsche PCM4.0</b>	2016 -	<p><b>MIB II</b> system with 5.8"/6.5"/8" OEM screen and CD player in the glove compartment</p>  <p><b>PCM4.0</b> with 6.5"/8" OEM screen and CD player in the glove compartment</p>

**NOTE!** This interface DO NOT available for 9.2 inch OEM radio yet.

## Features:

- Integrated 3 in 1 module supports Apple CarPlay, Android Auto, and screen mirroring functions
- Supports USB HD video and lossless music playback (APE, WAV, FLAC, MP3, WMA, etc.)
- Offers 2 CVBS video in for front/rear view camera of CarVision
- Support PDC (Parking Distance Control) and FPG (Flexible Parking Guidelines) \*\*
- Supply 12V power to the backup camera
- Display front view camera automatically when shifted from “R” gear (DIP setting) \*\*
- VGA input for specific 360 panoramic system, offers a clearer picture
- Operate by OEM knob controller & steering wheel buttons
- Support further software update by TF card

\*\* Depending of the canbus protocol



Apple CarPlay



Android Auto



Mirroring



USB multimedia



FPG



PDC



2\*CVBS in



Software update

## Package Components:



**Main Unit**

Dimension: 143\*102\*26 mm



**Quadlock Main Power Cable**



**USB/MIC Cable**



**4 pin LVDS Cable**

### Optional Component:



**External Microphone**  
(Needed when a car **without**  
**OEM MIC**)

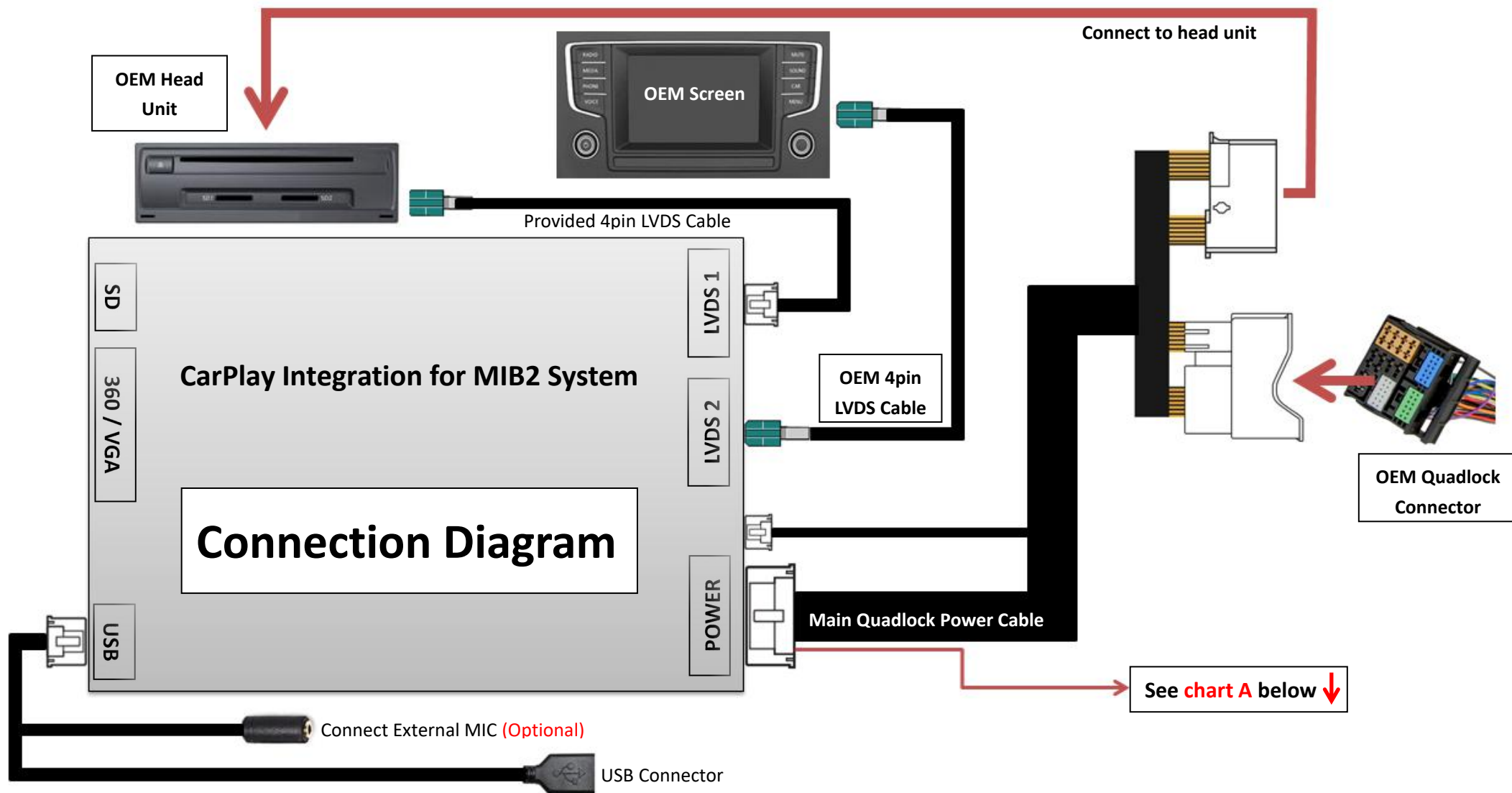















Chart A: ↓

 ACC_OUT	Supply power for DVR or other video devices. Just connect the ACC_OUT (RED) when use aftermarket front view camera
 B+	
 GND	Connect GND if there is any audio noise
 A_GND	
 LEFT_DET	N/A
 RIGHT_DET	N/A
 CAM_POWER	Supply 12V power for CarVision back up camera
 REVERSE	Reverse detect (Connect to reverse light if CAM_POWER cable does not output 12V)
 REAR_CVBS	Rear view camera video input
 FRONT_CVBS	Front view camera/DVR video input
 AUDIO OUT	AUX audio output (Connect to external audio adapter kits for sound delivering to car radio if there is not OEM AUX function)



ON ↓



OFF ↑



PIN	ON ↓	OFF ↑
1	Porsche	VW
2	Disable 360 Panoramic	Enable 360 Panoramic
3	CVBS	VGA (360 mode)
4	Display front view camera for 10S automatically after shifted from "R" gear	Skip front view camera (Click "DVR" icon to display front view/DVR)
5	Selection of car model	
6		
7	Original Rear View Camera	Aftermarket Rear View Camera
8	External Microphone	Original Microphone

5	6	Car Models
OFF	OFF	6.5"/8"
ON	OFF	5.8"
ON	ON	Reserved
OFF	ON	Reserved



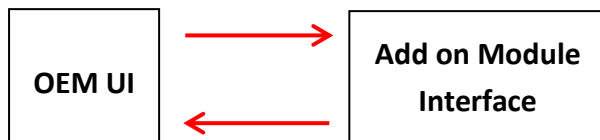
**NOTE!** Please reboot the interface for effective after changing any DIP setting.

## ● How to switch from Original to Add-on interface

Long press "Media"

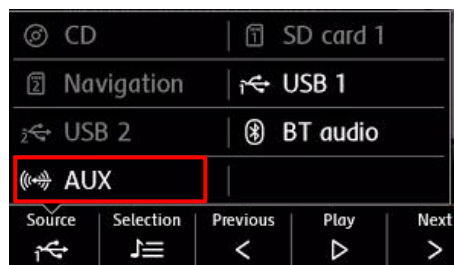


Order: OEM - Add on - OEM



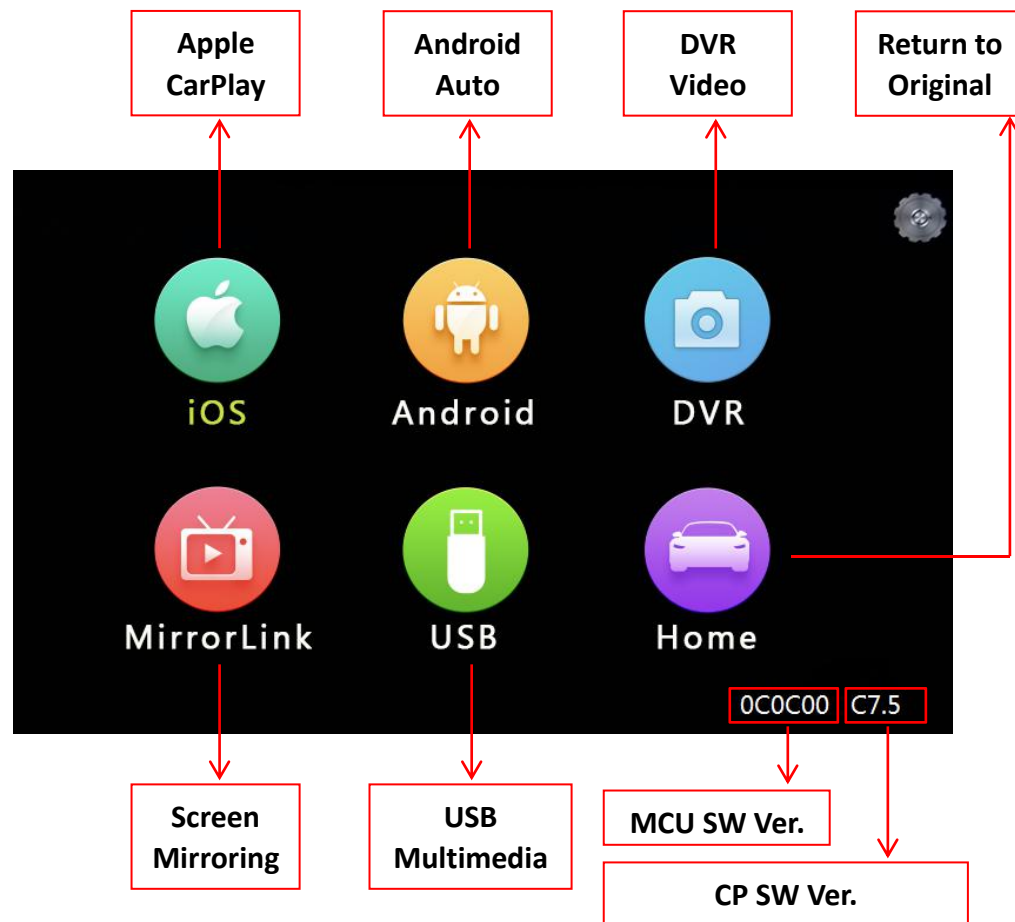
It will switch to add on module UI automatically when a phone/USB stick connected.

How to delivering audio to OEM radio

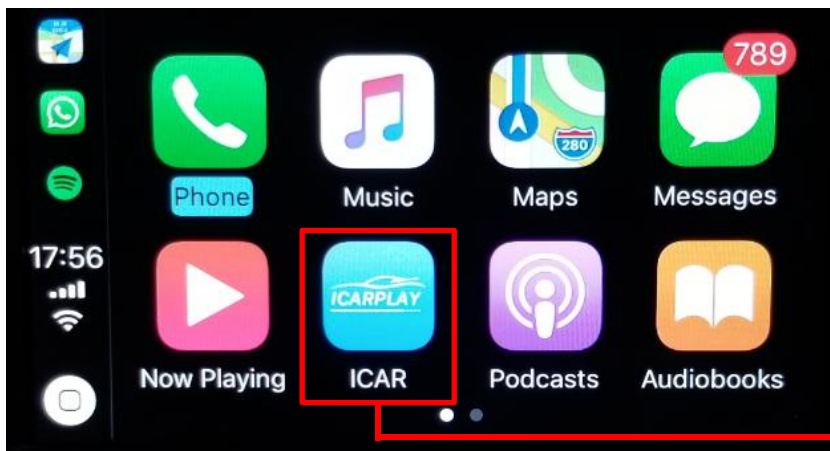


**NOTE!** Make sure switch to "AUX" mode on original car stereo for audio transmission before using the CarPlay integration.

Add on module UI:



- Apple CarPlay

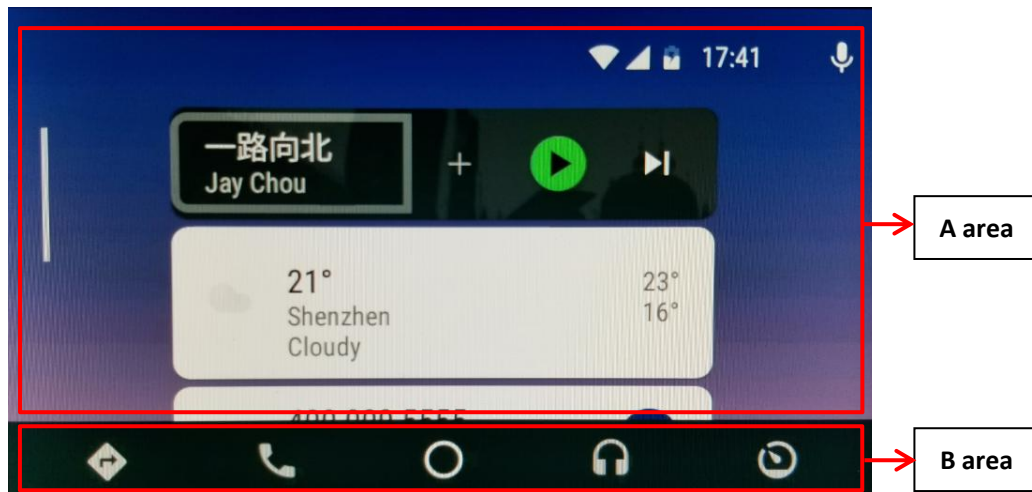


Touch to control all functions of Apple CarPlay

**NOTE!** Please **disconnect** the Bluetooth connection between the phone and car stereo when using Apple CarPlay.

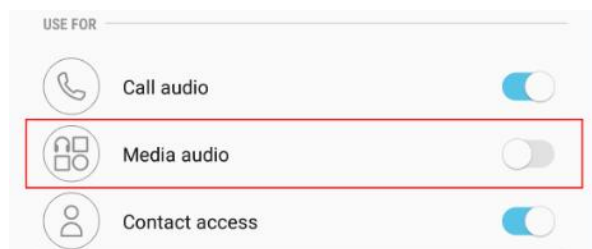


## ● Android Auto

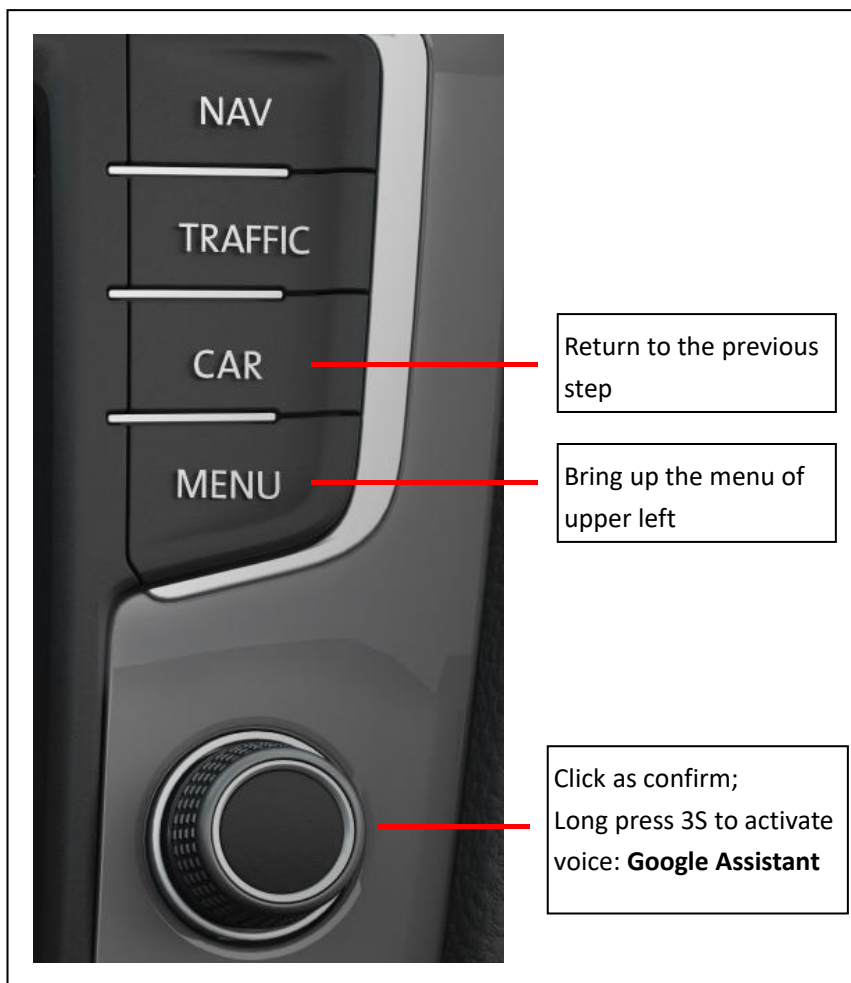


### NOTE!

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



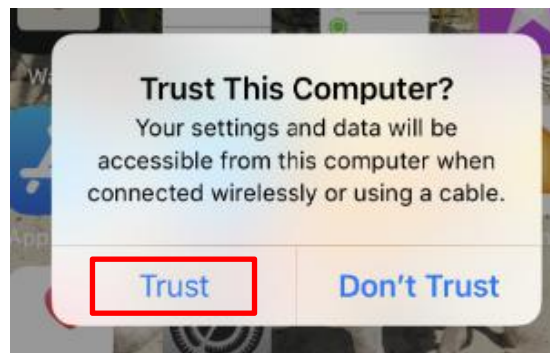
Touch to control all functions of Android Auto



## ● Mirroring



Connect Android smartphone/iPhone with USB cable, and then enter “MirrorLink” for screen mirroring.



### NOTE!

- Please always **trust or allow** when display a popup notification
- Enabling “USB Debugging” on an Android device
- Android device must connect to car stereo BT for all audio delivering

## ● USB Multimedia Playback



Connect a USB memory stick, enter “USB” icon for playing multimedia: Music, Picture, and Video.



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