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Specifications



Specification

Sv			
Input ^{vitch} 3	USB/CVBS signal input		
Input Voltage	12-16V DC		
Rated Current	2A		
Rated Power	24W		
Control	Voice control, iDrive control		
Material	Housing aluminum		
support@car-so	lutions.com		
	OUT		

Panel description

CAN Power	For power cable connection, CAN data transmission		
Antenna	Wifi antenna connector		
USB Camera	USB data transmission, and for reverse/front camera conenction		
LVDS OUT	Connect with cable labelled 'LVDS-GPBMW1901-NBT'		
LVDS IN	Connect with OEM LVDS from the screen		
Toggle switch	Refer DIP code setting to set for different screen size		
360 IN	Exterior 360 input(VGA signal input)		

Features

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>Support wireless/wired Carplay connection

>Support wireless/wired Android auto function (some mobile phones)

>Support wireless Airplay function

>Support wired Autolink function

>Compatible with OEM microphone and external microphone

>Support EQ adjustment, lossless sound quality

>Support USB to play audio file &video, support firmware upgrade>Keep the OEM system function, reversing radar and track display

Accessories



(Note: This cable isn't for bmw i3/i8, longer for i3/i8)

Compatible car model

Series	Car model	Production year	Toggle switch
1	F20,F21	2012-2016	
2	F22	2014-2016	
3	F30/F31/F34	2013-2015	OFF
4	F32/F33/F36	2014-2016	ON 1 2 3 4 5 6 7 8 ON↓
5	F10/F11/F07	2013-2015	
6	F12/F13	2013-2016	
7	F01/F02	2013-2016	
X3	F25	2013-2016	5
X4	F26	2014-2016	6.5 inch:
X5	F15	2014-2016	1100000
X6	F16	2015-2016	8.8/10.25 inch:
MINI	F56	2014-2016	11100000

NBT car system interface



NBT MINI



NBT i3/i8



Connection Diagram



Reverse camera wirng connection and settings

Automatic transmission:

- 1. Connect the reverse camera to CVBS OUT labeled 'Reverse camera'
- 2. Connect the cable labeled '12V reverse camera(yellow)' to
- camera power
- 3. Setting \rightarrow Reverse \rightarrow Reverse camera \rightarrow Aftermarke





Munal transmission

1. Connect the reverse camera to CVBS OUT labeled

'Reverse camera'

2. Setting \rightarrow Reverse \rightarrow Reverse camera \rightarrow Aftermarket







Wireless carplay connection

- 1. Turn on WIFI (Fig.1)
- 2. Turn on Bluetooth (Fig.2), and connect Carplay's bluetooth (Fig.3/4)
- 3. After the bluetooth connection is completed, the following prompts will pop up, click 'Allow-Use carplay' (Fig.5/6)



4. After the connection is successful, it will enter Carplay automatically(Fig.7/8)

Wireless Android auto connection



- 1. Turn on WIFI (Fig.1)
- 2. Turn on Bluetooth (Fig.2)
- 3. Search the Android phone's bluetooth on the screen in Carplay system(Fig.3/4/5)
- 4. Pair the bluetooth with your phone.(Fig.6)
- 5. After connecting the bluetooth, it will pop up the following prompts(Fig.7/8)
- 6. Then it will enter Android auto automatically(Fig.9)



Wired Android auto connection

- 1. Download Android auto APP on your Android phone(Fig.1).
- 2. Click 'WireAuto' icon(Fig.2), the prompt 'Please connect your Android device' will pop up(Fig.3).
- 3. Plug your phone to USB port. then it will enter Android auto automatically(Fig.4).



Wireless Airplay connection

- 1. Click 'Airplay' icon first (Fig.1), the pairing information with the phone will be displayed (Fig.2)
- 2. Search wifi signal of Airplay and conenct
- 3. Turn on Airplay (Fig3/4)



Note: If you have connected Carplay before.

vou need to disconnect Carplav first!

Wired Autolink connection

- 1. Download Android auto APP on your Android phone(Fig.1).
- 2. Click 'Autolink' icon(Fig.2), the prompt 'Please connect your Android device' will pop up(Fig.3).
- 3. Plug your phone to USB port(Fig.4). then it will enter Android auto automatically(Fig.5).









Original buttons

MEDIA MENU RADIO NAV

3



BMW i-Drive Button



Steering Wheel Buttons

Button	Function	Operation	Remarks	
MENU	System switching	Long press the button for 3 seconds	OEM CarPlay	
2 Back	Go back	Press the button short time	Apple Car Play Function	
	Restart	Press the button 5 seconds	You can use this function when you get in trouble	
3 ↑	Move the pointer	Turn the dial	Apple Car Play Function	
↓Dial	Left or Right	Move Left or Right	Google Android Auto	
← → Move the pointer		Move the Dial Long time	Apple Car Play Function	
Dial	Up or Down		Google Android Auto	
	S	Short puress to choose	Apple Car Play Function $\overset{\circ}{\bigcirc}$	
4	Ok key	Press the button 5 seconds to activate siri	Google Android Auto (
		Press to increase/decrease	Apple Car Play Function $\overset{\circ}{\overset{\circ}}$	
5	volume adjustment	the volume	Google Android Auto	
6	"Siri"		Apple Car Play Function	
\mathcal{O}	"Google Assistant"	Press the button 3 seconds	Google Android Auto	

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FAQ

- 1. Q: What need to be paid attention to during installation?
 - A: 1) Make sure that the carplay box is compatible with the installed model, and check whether the label of box matches with the car model.
 - 2) Power off during installation
 - 3) After the installation is complete, it is best to lock the car for a few minutes to turn it on, wait until the running test is normal, then restore the car.
- 2.Q: After installing the box unit, the screen displays no signal or switches to the carplay interface with display of black screen, yellow screen,

abnormal screen or no response.

- A: 1) Check whether the wiring is connected according to the wiring diagram,
 - 2) original car LVDS cable must be transferred to inport of carplay box which is disconnected from screen monitor
 - 3) If the wiring connection is normal but the display is not normal, check if the pins of the lvds cable ports are bent or not in contact, you need to re-plug it.
 - 4) Check whether the dip switch code is correct, after each change, re-plug the box's can power cable .
 - 5) If the dip switch code and wiring connection are normal after inspection, box sitll switches to the black screen, it is recommended to upgrade the system under the guidance of relevant personnel
- 3.Q: I don't have sound when I connect carplay, what can I do?
 - A: 1) Connect fiber cable
 - 2) Set AUX on OEM system, ensure that the Bluetooth signal connection between the mobile phone and the original car is disconnected.
 - 3) If there is no sound after step1/2, connect AUX cable to AUX port of armrest box



- 4.Q:My car has OEM microphone, but it can't work, what can I do?
 - A: Please use the following cable to connect to OEM microphone.
 - 1) Connect A to C
 - 2) Unplug blue connectors and place mic tap cable in between the connector with microphone on it and the main wiring harness coming from the roof.(B/D need to be connected)







5.Q:I don't have OEM microphone, how to connect external microphone?

- A: You can do as following solutions.
 - 1) Connect A with C, B with D.
 - 2) Set pin7 to ON, and restart







- 6.Q: Solutions to not being able to connect with carplay?
 - A: can try to use the solutions below separately or together
 - 1) Click on carplay bluetooth or wifi on the mobile phone
 - 2) At the same time, clear the Bluetooth devices on the mobile phone and the car, and then pair and connect
 - 3) Go to WirelessDev to reset the Bluetooth, and then pair and (Fig.1)

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Carolay Dovices	、 、			Listen for "嘿 Siri"
cal play Devices		About	>	Press Home for Siri
Connect Mobile Device	ϕ	Software Update	>	Allow Siri When Locked
Paired Device		AirDrop	>	Language Chinese (Mandarin - Chin
BT Reset		AirPlay & Handoff	>	Siri Voice Female
Reset		CarPlay	2	Voice Feedback Always

- 4) Restore the mobile network to the mobile phone
- 5) Check whether the carplay on the mobile phone is turned on (Fig.2)
- 6) Siri permissions are all turned on(Fig.3)
- 7) If necessary, check the antenna (whether it is broken, or attached to the metal, stay away from the box)

- 7.Q:When I call someone, he can hear himself, how to do?
 - A:1) Adjust the volume of the original car to normal use
 - 2) Turn the volume in 'audio' setting to 13(Fig.1)



- 3) Turn the 'Microphone Volume' to 12
- 4) 'Microphone OP' tune from 0 until no echo is heard
- 5) Adjust 'AEC quality' to 2
- 6) If the caller hears the echo interval for a long time, fine-tune the 'Microphone delay
- 7) If the caller hears a small voice, you can fine-tune the 'Microphone Volume' and 'Microphone PGA'
- 8.Q:I install the carplay, but the button on steering wheel can't
 - work?A:1)Set the setting 'Enable wheel key' to ON(Fig.2)
 - 2) Short press the voice botton or long prss 5s the ok button on idrive knob to activate siri



- 9.Q:Siri function can not be used
 - A: 1) Check whether has turned the siri access permissions on iphone, turn all the options on
 - 2) Turn the function of steering wheel on in carplay switch page setup
- 3) If can activate the Siri but Siri cant receive the command, please check whether the mic works first, if no problem with mic, check the Bluetooth of iphone, disconnect it from original car Bluetooth support@car-solutions.com