User Manual

For NBT

1. Functional Statement

CarPlay / Android Auto

The built-in vehicle machine interaction system of iPhone cooperates with the central control knob button to provide voice command and control of phone, information, navigation, music, to operate Siri voice interaction to obtain more information; Support wireless and wired connection Carplay Android Auto. Support voice control of phone, information, navigation.

Reversing Video Input

Smart module can decode video and can be equipped with rear-view video input (The intelligent module can decode video and install rear view)

Mirroring

Supports wired &wireless mirroring functions for iphone and Android phones

USB Video Playback

Automatic media playback function, can be directly inserted into U disk to play video and audio media

2. Toggle Switch Setup

2.1 Choose the toggle switch setup by the size of your car's screen

Car Model	6.5 inch screen	8.8 & 10.2 inch screen
1,2,3,4 Series		
5 & 7 Series		
6 series		

X1 & X5 & X6		
X3 & X4		

2.2 Where to find the toggle (DIP) switches?

2.3 Set the toggle switch settings according to the size of your car's screen ■

for 6.5 inch screen								
setup 1								

Smart Link System

	1	2	3	4	5	6	7	8
Off	✓	✓	✓	✓	✓	✓	✓	✓
On								

for 8.8 / 10.2 inch screen								
setup 2								

Smart Link System

	1	2	3	4	5	6	7	8
Off		✓	✓	✓	✓	✓	✓	✓
On	✓							

3. Wireless CarPlay Connection Method
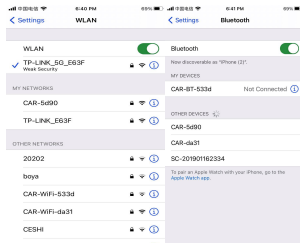
Wireless Connection Method:
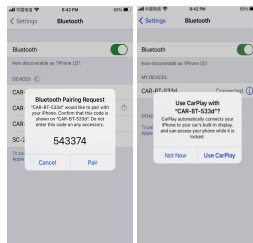

Step 1

Select "Bluetooth"

Step 2

Check the Bluetooth Device name as "CAR-xxxx"

Step 3

Turn on WIFI and keep it on, then back to Bluetooth to connect CarPlay

Step 4

Select Bluetooth Device name as "CAR-XXX"-Pair-Use CarPlay while that pop up a request window
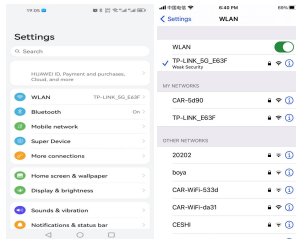
4. Apple Wireless Screen Mirroring
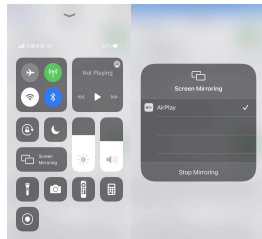

Step 1

Select "AirPlay"

Step 2

Turn on the phone, select the "Wireless LAN" option, the search bar will show the "CAR-WIFI-XXX" and click the link, the password is 66668888

Step 3

After the WiFi connection is successful,return to the main interface of phone,open the shortcut menu page,select "Screen Mirroring" and turn on

Step 4

After the mobile phone "Screen Mirroring" is turned on, select "AirPlay" to complete the wireless Screen Mirroring

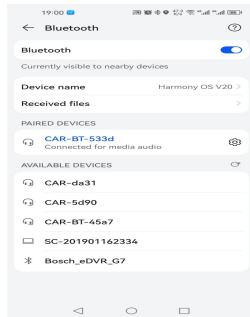## 5. Wireless Android Auto Connection Method

Wireless Connection Method:
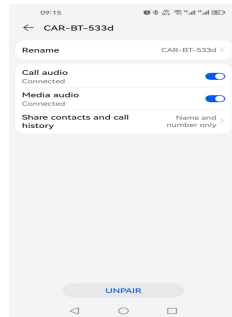

Step 1

Select the "Bluetooth"

Step 2

Check the Bluetooth name starting with "CAR-xxx" in the Bluetooth interface

Click on the Bluetooth name beginning with "CAR-xxx". A pairing request will pop up, just click Pairing. After the Bluetooth pairing is successful, follow the Android Auto connect process on screen.
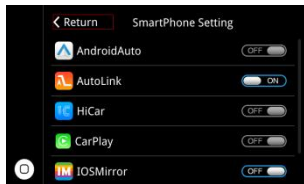

Step 4

Click the Bluetooth name at the beginning of " CAR-xxx " and click pairing. Turn on the Android auto app on the mobile phone, and the system will connect automatically.
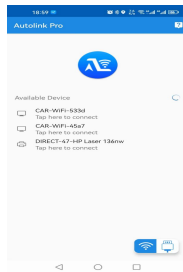
6. Android Wireless Screen Mirroring

Step 1

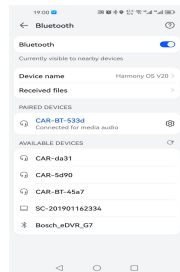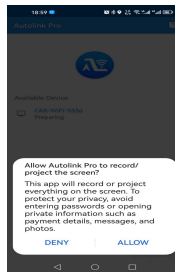Android phone scan and download the Auto Link by using the Browser

Step 2

Switch the WIFI Auto Link to "ON" in the Settings page
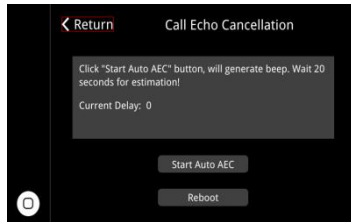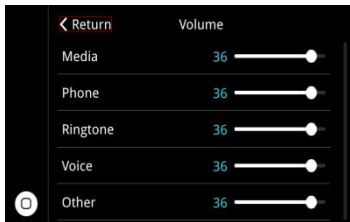

Step 3

Open the Auto link software you downloaded, search "CAR-WIFI-XXXX" and connect, then click the "START NOW" on the phone prompt box.

Step 4

The media sound of AutoLink need to connect with Bluetooth.

7. Audio Settings

Call Echo Cancellation:Steps:
Settings-Audio-AEC Delay,then click the button "Start Auto AEC".
If there is an echo when in phone call. Please click this button for echo correction.When correcting the echo, we must :
1. Keep quiet in the car;
2. Turn the volume to a moderate position, and then click"Start Auto AEC".
3. Wait 20 seconds for estimation complete.

8.Kit Contents

8.1 Cables and accessories

CarPlay decoder box	Power cable harness
LVDS cable	WiFi antenna	USB-AV cable	Mic cable

8.2 Cable connection chart

After the cables are all connected, you will be able to switch between the original BMW and the CarPlay interfaces by long pressing the "MENU" button on the iDrive knob.

new power cable harmess
original power cable
original fiber optic cable
head unit
original LVDS cable
MIC
If the sound is noisy, connect AGND to the Car headunit GND
AV-USB cable
new LVDS cable
LVDS out
LVDS in
screen
CarPlay box
WiFi antenna

Please follow the connection chart accurately (detailed instructions below).

8.3 Power cable connection

1) Unplug the OEM original power cable from the head unit and reconnect it to the new cable harness. Then plug the new cable into the head unit.

2) If your car has fiber optic cable, you will need to move the original fiber optic cable to the new harness.

ORIGINAL CONNECTOR
move it to new connector of new harness
the fiber optics plug on OEM connector
NEW CONNECTOR WE PROVIDE

If your car has fiber optic cable, you need to move the original fiber optic cable to the new harness
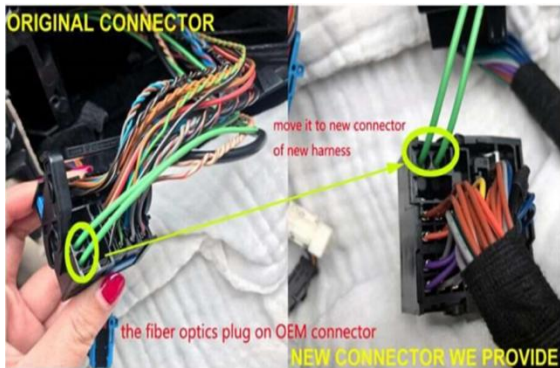
8.4 LVDS cable connection

1) The ORIGINAL LVDS cable goes from the HEAD UNIT to "LVDS IN" of the CarPlay box.
2) The NEW LVDS cable goes to THE SCREEN from the "LVDS OUT" of the CarPlay box.

Note: Connecting the LVDS cables incorrectly will result in a black screen!
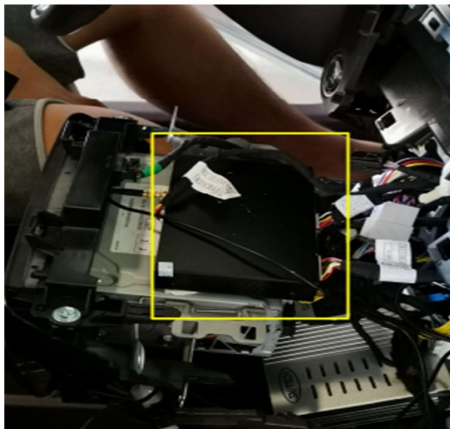
LVDS cables connection

LVDS out   LVDS in

new LVDS cable   original LVDS cable

OEM screen   OEM head unit host
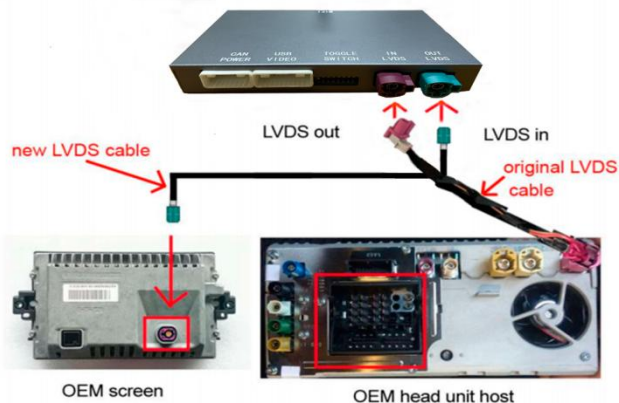
8.5 WiFi antenna and USB-AV cable connection
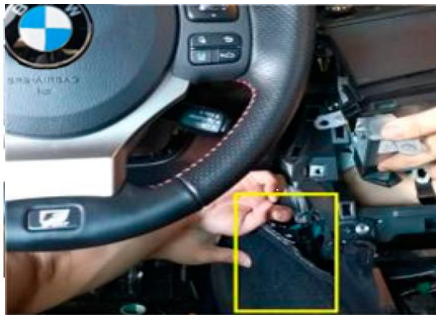

USB-AV cable

WiFi Antenna
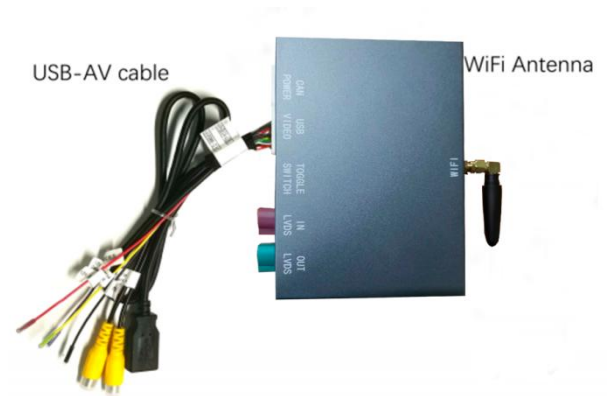
8.6 The CarPlay interface decoder box should be installed in an appropriate space near, or on, the OEM head unit.

on the OEM head unit	Beside the OEM head unit

9. CarPlay Decoder Sound Setup

9.1 Bluetooth settings

If your phone already has a bluetooth connection to your car, disconnect it.

9.2 AUX Connections

There is no need to connect the EXT-AUX cable to your car AUX port, unless your car is a BMW 3 / 4 series or a 1 / 2 series.

9.3 AUX Settings

Before using the CarPlay system, you need to set the
sound input on your OEM interface to
"AUX", otherwise the CarPlay /Android Auto system
will have sound!

9.3.1. On the original BMW System, navigate to the "Multimedia" menu and click "External devices"

9.3.2. Click on "AUX front" to activate it.

9.3.3. Keep the setting in the original BMW system on "AUX front"

9.3.4 Long press the "MENU" button from iDrive knob to enter into the CarPlay Decoder main interface.

9.3.5 Which steering wheel control buttons work?

The CarPlay interface decoder box supports the voice control button, the telephone button, the next song, prev song buttons and the volume "+" and "-" buttons. The other buttons are not supported.

voice control button