

BENZ-NTG6 Interface Installation manual-20191127

Product Type: CAM-BENZ-NTG6



Suitable for cars:

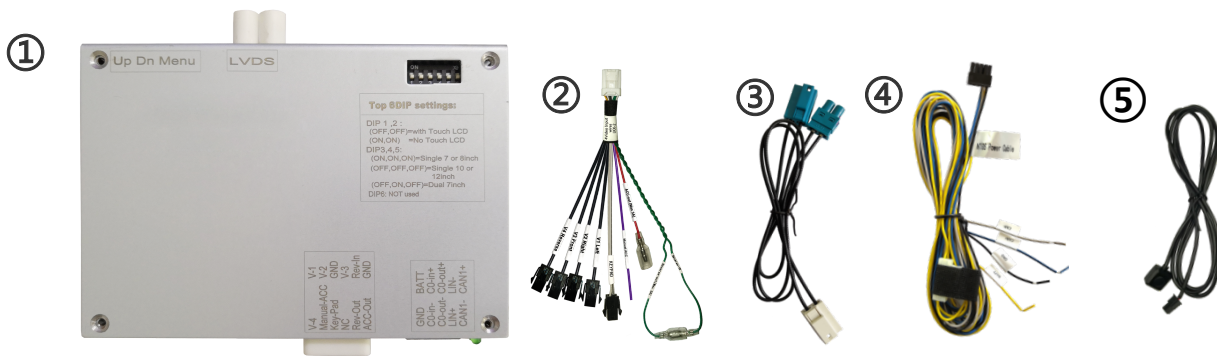
New MBUX NTG6 systems, A Class (8" & 12") Sprinter W907 (7" & 10.2") after 2016.

Ntg5.5 E-class, C-class (8" & 12") after 2016

Product Application:

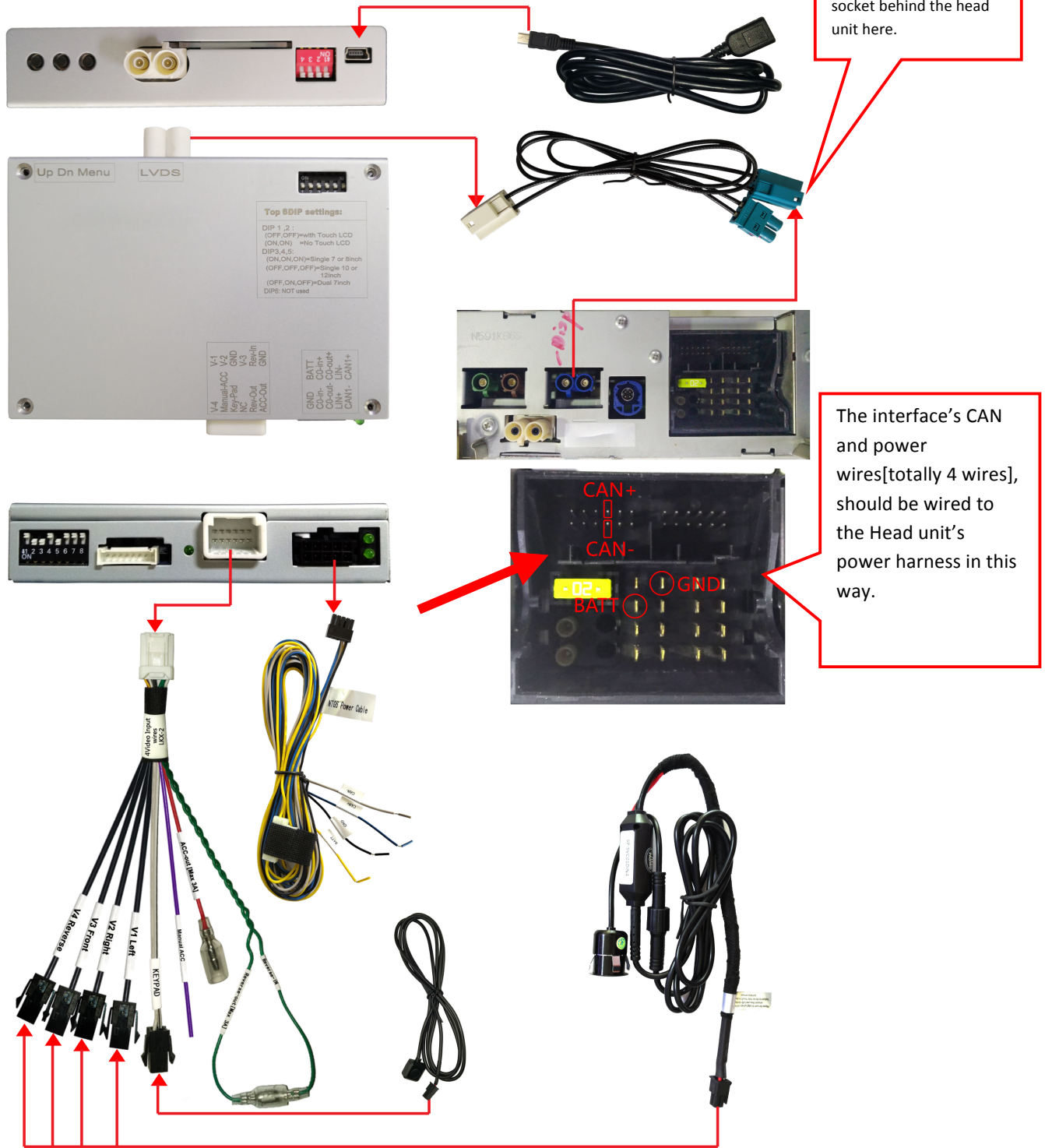
- 1 Reverse Camera with dynamic guidelines
- 1 Front Camera with automatic trigger
- 2 Video Inputs to use as video inserter to add DVD, DVBT, DVR etc.
or Optional to add left, right (blind spot view video). all L/R blind areas can be triggered with their turning signals. (if need, we will send special software to you , you can also let us know your logic and speed limit , we will prepare the special software for you)
- Also can be used to insert 360 surround view systems.

Accessories



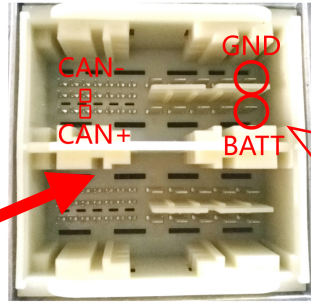
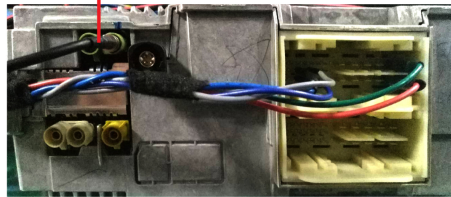
Item	Qty	Description	Part No.
1	1	Interface box	①
2	1	Manual trigger and Cam input harness	②
3	1	LVDS harness	③
4	1	Power/CAN harness	④
5	1	Extra keypad for switching	⑤

2、 a. 8-inch/12inch Installation wiring diagram.



b.7inch Single or Dual-7screen:

This blue LVDS connector should be wired in between the OEM plug-socket behind the head unit here.



The BATT/GND should be wired here.

And the CAN wires:

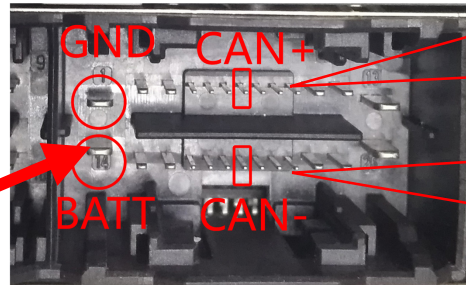
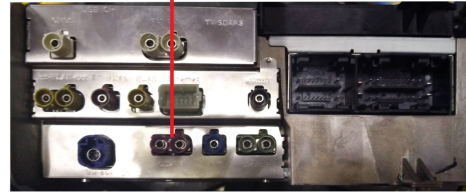
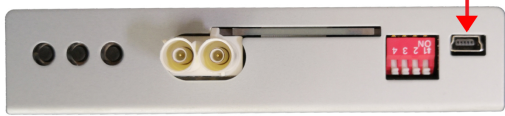
In the 2nd row of small pins, the 3rd from left to right=CAN-

In the 3rd row of small pins, the 3rd from left to right=CAN+



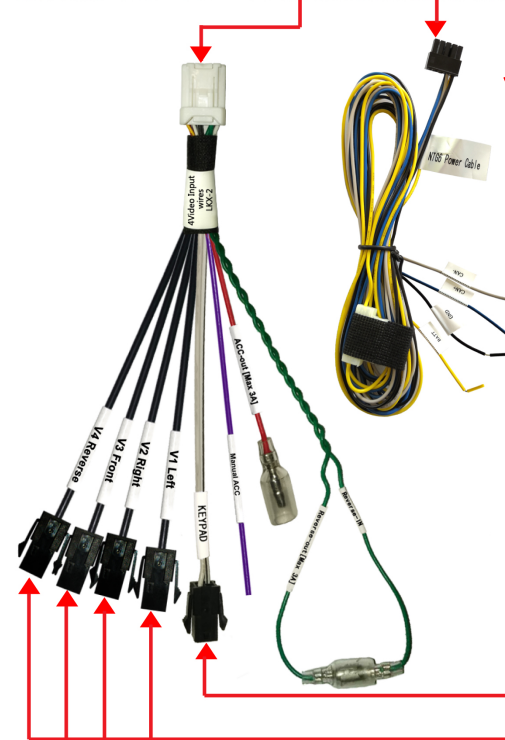
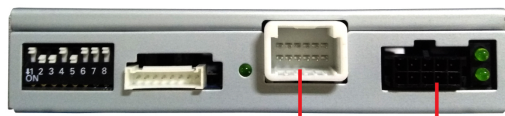
c.10 inch with touch:

This blue LVDS connector should be wired in between the OEM plug-socket behind the head unit here.



Top Row:
The 4th small pin from left to right = CAN+

Below row:
The 4th small pin from left to right = CAN-



3.Menu operations

On the below side of the box, there are 3 keys, which are: UP/DN/Menu



When the menu key is pressed, the OSD will pop up, and the user can press again to get different options of the menu. And he can use the UP/DN keys to set the parameters.

4.Extra keypad operations


Use extra keypad to switch among below inputs

OEM→Front→Left→Right→Reverse→OEM.

5.Dip settings:

(5.1) side-Dip settings:

8 Dip-settings


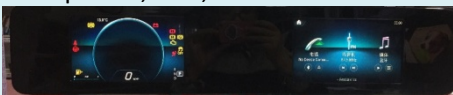
DIP UP=OFF DIP DOWN=ON			
DIP	ON	OFF	Default
1	ACC OUT=Front-CAM Power	ACC OUT=ACC -OUT	ON
2	AV1=ON	AV1=OFF	
3	AV2=ON	AV2=OFF	
4	No Function		OFF
5	ON=Added Reverse	OFF= OEM Reverse	OFF
6	ON=show 10s Front after Reverse	OFF=Show OEM after Reverse	OFF
7	ON= trajectory on	OFF= trajectory off	OFF
8	ON=7" or 8" monitor	OFF=10.25" or 12" monitor	

4 Dip-Settings:

DIP UP=OFF DIP DOWN=ON			
DIP	ON	OFF	Default
1,2,3	No function		OFF
4	ON= for USB update FW OFF=otherwise.		OFF

(5.2) Top Dip-Settings:

Top 6Dip-Settings:

6-DIP on the top			
DIP	ON	OFF	Default
1	Stay OFF		
2	ON= no OEM touch.	Off= with OEM touch.	
3,4,5	All ON= single7/8inch		
			
	All OFF= single10/12inch Dip3OFF,4ON,5OFF= Dual 7inch 		
6	No function.		OFF

6. Parameters:

No.	Name	Parameter
1	Video Amplitude	1.0Vpp with 75 Ω
2	Power supply to cameras	+5V
3	Camera output standard	CVBS
4	Total power consumption	4.8W [0.4A @12V] [with 4 cameras]
5	Standby current	<10uA
6	Analog trigger voltage	>5V trigger [internally analog comparators used]
7	Box work temperature	-40 ~ +85C
8	Camera work temperature	-30 ~ +80C
9	Storage temperature range	-40 ~ +85C
10	Size of box	10.8cm * 9cm * 2.1cm
11	USB	Used only when in update

Note: for the camera specification, please refer the other separate pdf.