

TV-UNI

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Safety instructions:

1. Read through mounting guidelines:

Please read through all safety instructions and handling directions intently before installation and start up of the device.

2. Keep mounting guidelines:

Keep the instruction manual and safety instructions for potential further reference.

3. Caution advises:

Please follow all caution advises contained in the mounting guidelines.

4. Water and humidity:

The device should not be operated near water or near a humidity source.

5. Warmness / heat:

The device should not be set up in direct proximity of heat sources (e. g. power amplifier).

6. Electric power supply:

The device should only be operated at a +12 volt vehicle electrical system.

7. Connection / electric power supply:

Use the device only at a +12 volt vehicle electrical system. Make sure to have a proper ground.

8. Intrusion of objects or liquids:

Please make sure that no objects or liquids can intrude the interior of the device! (Danger of short circuit!)

9. Repairs:

You should call on qualified personnel, if:

- a plug or a connector have been damaged
- cables are damaged
- objects have fallen into the device or liquids have intruded it
- the product has been exposed to humidity
- the device doesn't function normally or if significant changes in the operating performance can be observed
- the product/casing has been damaged.

10. Operation:

Start no operation that is likely to distract you for a prolonged time from road traffic or traffic related events – RISK OF ACCIDENT!!!

11. Warranty:

The warranty will cease in case that:

- you open the device or the casing
- you carry out repairs single handed
- you use the device improperly
- the device shows damages caused by external forces or mischievous destructions.

We assume no liability for damages to the vehicle or to people.

Service & Communication:

All our products are manufactured under strict quality control. Each device is being tested before shipment. If nevertheless do occur problems or if you have technical questions, contact us directly under:

In addition to constant product update and development related changes the instruction manuals of the devices are constantly edited and kept up to date.

To enable us to provide you with the right information and support for the device you have got at hand please add the following information to every inquiry:

Date of purchase, your name and address, item number and the type of your vehicle.

Shipment:

- Cable kit
- Mounting guidelines

Product description:

Article:

TV-UNI

Universal cable kit for interface „TV400 “.

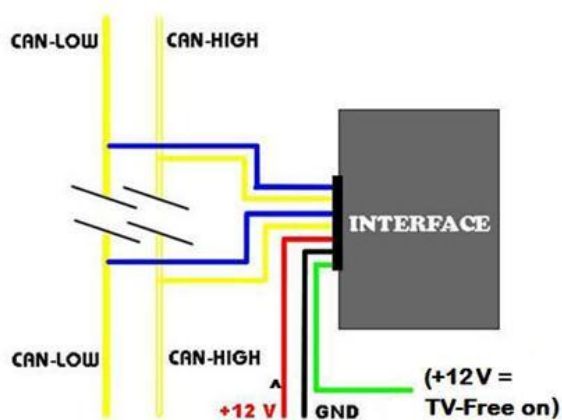


Installation of cable kit TV-UNI with TV400

Cable colours of the interface:

Cable colour/connector:	allocation:
● Yellow:	CAN-HIGH – Input (To vehicle)
● Blue:	CAN-LOW – Input (To vehicle)
●● Yellow/Black:	CAN-HIGH – Output (To head unit)
●● Blue/Black:	CAN-LOW – Output (To head unit)
● Red:	+12V DC
● Black:	GND
● Green:	TV activation (+12V DC = TV-Free active)

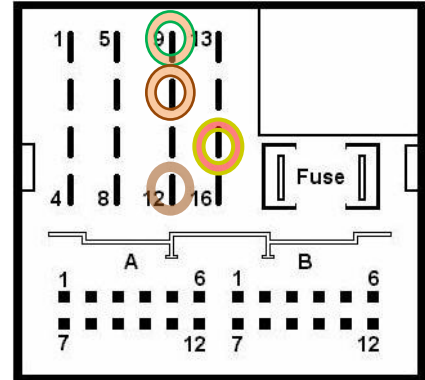
The interface basically has to be installed in the CAN bus conductor in front of each of the devices described below. To ensure a correct function of the interface it has to be connected to the permanent positive. Further details see below in this manual.



AUDI DVD Navigation RNS-E (A3, A4):



Cable colour/connector:	Allocation:
● ● Red/Yellow:	+12V DC Pin 15
● Brown:	GND Pin 12
● ● Orange/Green:	CAN HIGH Pin 9
● ● Orange/Brown:	CAN LOW Pin 10

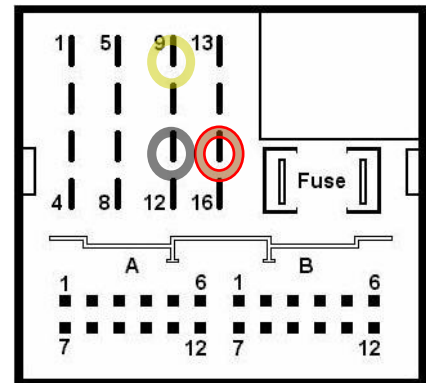


The installation has to be carried out behind the navigation device. For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

BMW 5er - E60:



Cable colour/connector:	Allocation:
● ● Brown/Red:	+12V DC Pin 15
● Brown:	GND Pin 12
● Black:	CAN HIGH Pin 11
● Yellow:	CAN LOW Pin 9

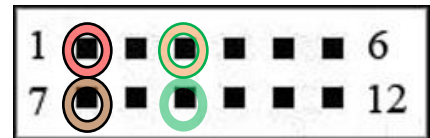


The installation has to be carried out behind the navigation device (CCC). For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

BMW 7er - E65:



Cable colour/connector:	Allocation:
● Red/Black:	+12V DC Pin 1
● Brown/Black:	GND Pin 7
● Orange/Green:	CAN HIGH Pin 3
● Green:	CAN LOW Pin 9

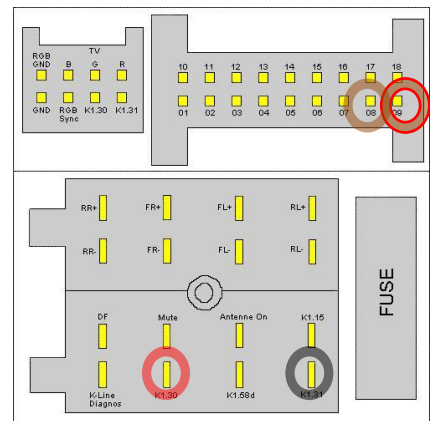


The installation has to be carried out behind the monitor. For this purpose the latter has to be dismantled and disconnected from the vehicle voltage. Connect the interface to the big AMP plug as shown in the drawing above.

MERCEDES C-Class W203, E-Class W210, SL R230:

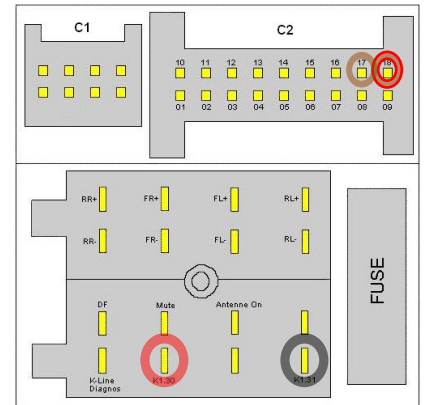


Cable colour/connector:	Allocation:
● Red:	+12V DC Pin 4
● Black:	GND Pin 8
● Brown/Red:	CAN HIGH Pin 9
● Brown:	CAN LOW Pin 8



The installation has to be carried out behind the navigation device (Comand). For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

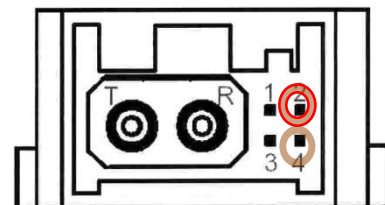
MERCEDES S-Klasse W220 mit COMAND 2.5:



Cable colour/connector:	Allocation:
● Red:	+12V DC Pin 4
● Black:	GND Pin 8
●● Brown/Red:	CAN HIGH Pin 18 (C2 - 18pol connector)
● Brown:	CAN LOW Pin 17 (C2 - 18pol connector)

The installation has to be carried out behind the navigation device (Comand). For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

MERCEDES E-Class - W211, CLS W219:



Cable colour/connector:	Allocation:
●● Brown/Red:	CAN HIGH Pin 2
● Brown:	CAN LOW Pin 4

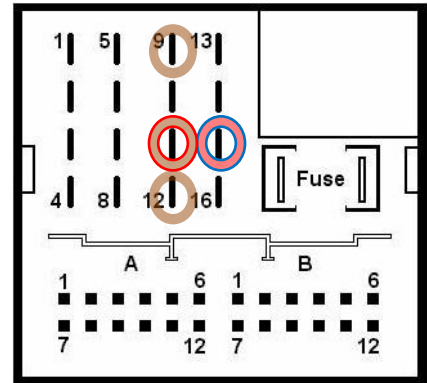
The installation has to be carried out at the Audio Gateway (AGW). You find the latter in the luggage compartment at the left hand side behind the mount of the navigation computer, between the walls of the auto body.

The control unit does not have to be dismantled for the installation.



(Luggage compartment – left side)

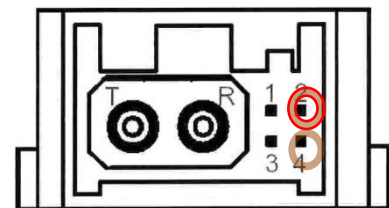
Mercedes A-Class W169, B-Class W245, C-Class W203, CLK W209, M-Class W164, R-Class W251 & COMAND APS NTG2:



Cable colour/connector:	Allocation:
● Red/Blue	+12 V DC Pin 15
● Brown	GND Pin 12
● Brown/Red	CAN HIGH Pin 11
● Brown	CAN LOW Pin 9

The installation has to be carried out behind the navigation device (Comand). For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

Mercedes SLK (R171) & NTG1:



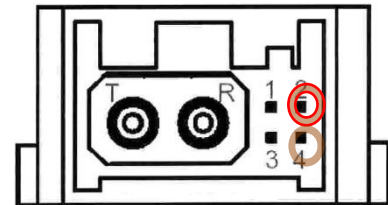
Cable colour/connector:	Allocation:
● Brown/Red	CAN HIGH Pin 2
● Brown	CAN LOW Pin 4

The installation has to be carried out at the Audio Gateway (AGW). You find the latter behind the driver sit. The control unit doesn't have to be dismantled for the installation.

Mercedes SL (R230) & Comand APS NTG1:



Cable colour/connector:	Allocation:
● Brown/Red	CAN HIGH Pin 2
● Brown	CAN LOW Pin 4

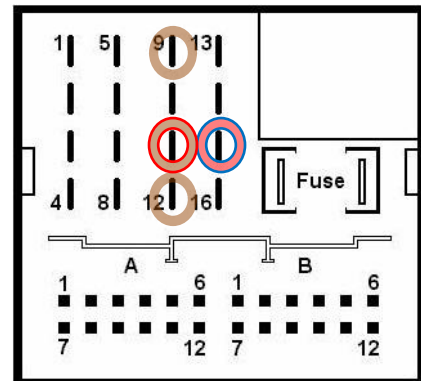


The installation has to be carried out at the Audio Gateway (AGW). You find the latter behind the carpet on the passenger side. The control unit doesn't have to be dismantled for the installation.

MERCEDES E-Class W211, CLS W219, SL R230, SLK R171 & COMAND APS NTG2.5:



Cable colour/connector:	Allocation:
● Red/Blue	+12 V DC Pin 15
● Brown	GND Pin 12
● Brown/Red	CAN HIGH Pin 11
● Brown	CAN LOW Pin 9



The installation has to be carried out behind the navigation device (Comand). For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

Activation:

In order to activate or deactivate the function, first select the "Navigation Level" on the instrument cluster, then push the "Hang Up"-button for three seconds. This function is deactivated automatically, when the ignition is turned off.

(Please note: Navigation is inoperable while TV-Free function is active.)



(Push for 3 seconds)

Mounting guidelines for Mercedes S-Class W221

The interface has to be installed in the centre console directly behind the DVD device (Comand). For this purpose the latter has to be dismantled and disconnected from voltage.

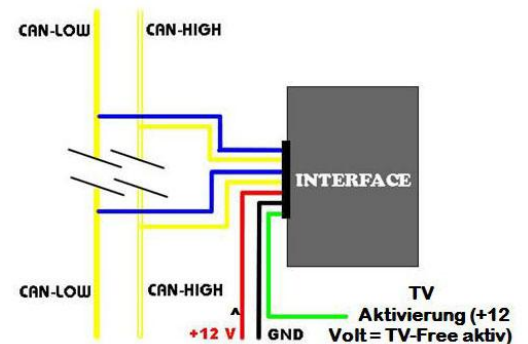
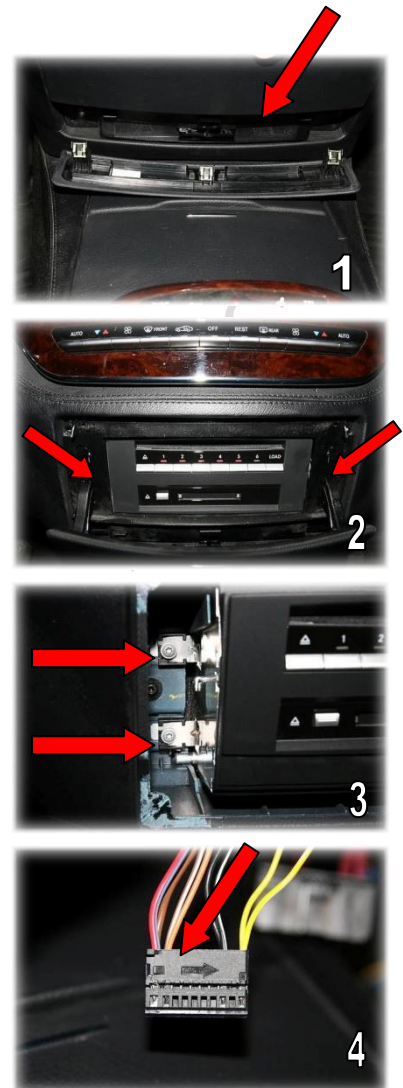
Shut off the ignition.
Detach the faceplate below the drawer (see picture 1).
(The faceplate is plugged in.)

Open the drawer.
Now unscrew the 4 torx screws of the Comand.
(2 to each side).
Extract the Comand and detach it from the vehicle voltage.

Extract the cartridge from the white 20 pointed plug.

Link the interface to the CAN bus cable as shown in the drawing to the right.
After having connected the operating voltage connect the green cable (breaker signal) with the reversing light (+12V).

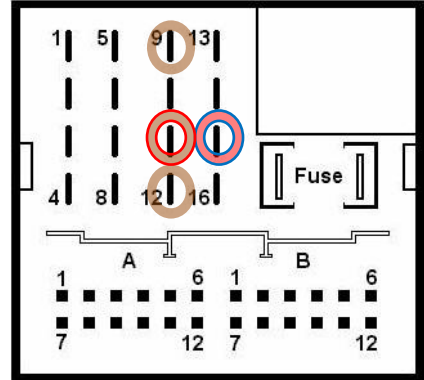
Now reassemble the complete system in reverse order.



Cable colours vehicle-sided:

cable color/connector:	Allocation:
●○ Yellow/White:	CAN-HIGH - Pin 1
● Yellow:	CAN-LOW - Pin 11

Mercedes E-Class W212 COMAND APS NTG4.5:



Cable colour/connector:	Allocation:
● Red/Blue	+12 V DC Pin 15
● Brown	GND Pin 12
● Brown/Red	CAN HIGH Pin 11
● Brown	CAN LOW Pin 9

DIP switch position on interface:
1 = ON , 2+3 = OFF

The installation has to be carried out behind the navigation device (Comand). For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

Mounting guidelines for Landrover Sport & Discovery:

Previous to starting the installation, please shut off the ignition and wait until all devices are off (approx. 2 min.). First you have to dismantle the radio device. For this purpose the plastic faceplate has to be dismantled. The radio device is fixed with 4 screws.



Extract the device completely and disconnect all plugs carefully. Afterwards successively cut the two CAN bus cables (yellow/green and yellow/white) in two. Then connect both pairs to the interface as shown in the drawing below. You need not mind input and output as the interface detects that automatically.



Now reassemble the complete system in reverse order.

Cable colours vehicle-sided:

cable color/connector:	Allocation:
●○ Yellow/White:	CAN-HIGH
● Yellow:	CAN-LOW

Mounting guidelines for Range Rover Vogue:

Previous to starting the installation, please shut off the ignition and wait until all devices are off (approx. 2 min.). (Picture 1)

The interface is to be installed under the glove box directly at the radio device (picture 2). For this the plastic faceplate under the glove box has to be dismantled and the radio device has to be disconnected from the voltage. The radio device (a silvery box) is installed from below to a metal carrier. It hasn't got to be dismantled for the installation of the interface. The required connector plug (picture 4) is located at the front end of the radio device, left hand in driving direction.

Detailed description:

- Shut off the ignition.
- Unscrew the plastic faceplate using the appropriate torx screwdriver (picture 3) and remove it downward.
- Detach the black 20 pointed plug (picture 4) from the radio device.
- Now cut the two CAN bus cables (yellow/blue CAN low pin 10 and yellow/white CAN high pin 9) in two. Connect the pairs with the open cables of the interface (see drawing). (You need not mind input and output as the interface detects that automatically.)
- After having connected the operating voltage - which can be taken from the same plug (+12V = red/green, ground = brown) – connect the green cable (breaker signal) with the reversing light (+12V).

Now reassemble the complete system in reverse order.



Cable colours vehicle-sided:

cable color/connector:	Allocation:
●○ Yellow/White:	CAN-HIGH
●● Yellow/Blue:	CAN-LOW

Chrysler C300 (MYGIG Navigation):

1. Gain access to the center console by carefully detaching its front cover, which is held in place by several clips.



2. Loosen the 4 TORX screws and extract the device from the center console as seen in the picture on the right.

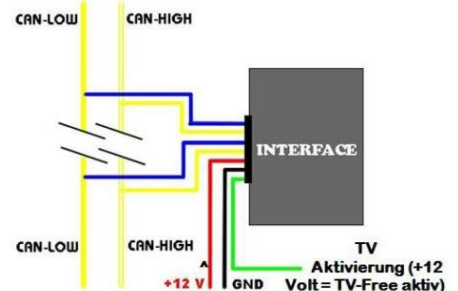


3. Disconnect the 22 pin socket from the device. Cut the white/orange (Pin 13) and the white wire (Pin 2) of the 22 pin socket and respectively connect them as indicated in the connection diagram to the yellow (CAN HI) and blue wire (CAN LOW) or yellow/black (CAN HI) and blue/black (CAN LOW) of the cable kit .



Connect the black wire of the cable kit (Pin 12, black/green wire of the 22 pin socket) and the red wire of the cable kit to +12 Volt permanent plus (Pin 1, red wire of the 22 pin socket).

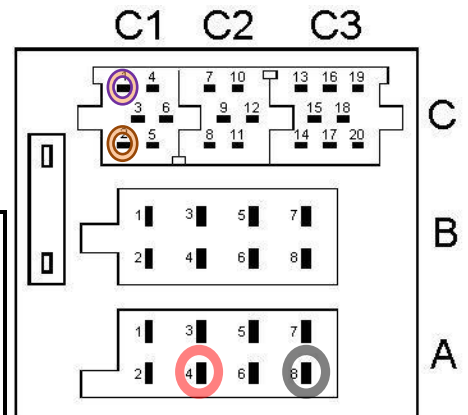
Move DIP switch 1 of the interface box TV400 to ON and DIP switches 2 and 3 to OFF position.



Cable Colors (as present in the vehicle):

Cable Colors/Plugs:	Assignment:
○ ● White/Orange:	CAN-HIGH - Pin 13
○ White:	CAN-LOW - Pin 2
● Red:	+12V Permanent Plus - Pin 1
● ● Black/Green:	Ground - Pin 12

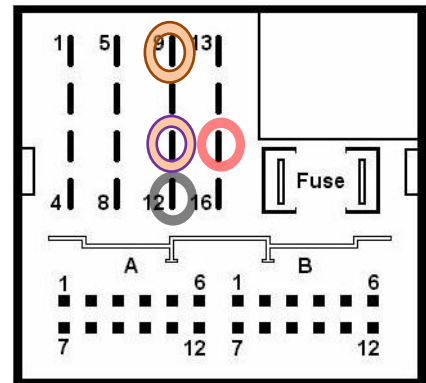
PORSCHE Cayenne (PCM 2.1):



Cable colour/connector:	Allocation:
● Red:	+12V DC Pin 4
● Black:	GND Pin 8
● Orange/Purple:	CAN HIGH Pin 1 (chamber C1)
● Orange/Brown:	CAN LOW Pin 2 (chamber C1)

The installation has to be carried out behind the navigation device (PCM). For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

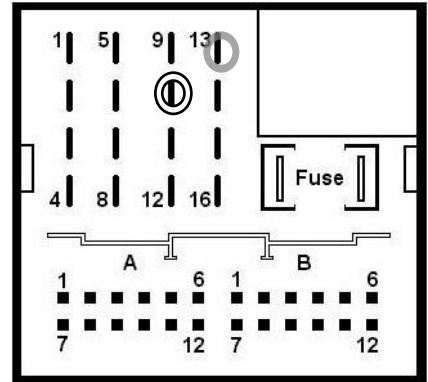
PORSCHE Cayenne (PCM 3.0):



Cable colour/connector:	Allocation:
● Red:	+12 V DC Pin 15
● Black:	GND Pin 12
● Orange/Purple:	CAN HIGH Pin 11
● Orange/Brown:	CAN LOW Pin 9

The installation has to be carried out behind the navigation device (PCM3.0). For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

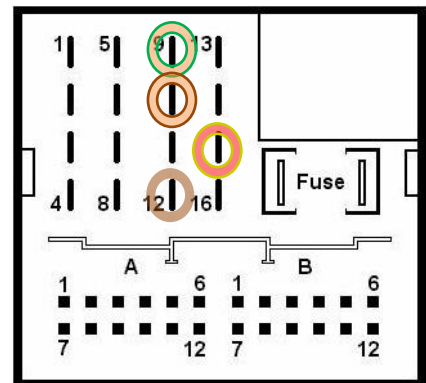
Peugeot 407:



Cable colour/connector:	Allocation:
● White	CAN HIGH Pin 10
● Grey	CAN LOW Pin 13

The installation has to be carried out behind the navigation device. For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

VW MFD2 / RNS2 & Skoda Nexus:



Cable colour/connector:	Allocation:
● Red/Yellow:	+12V DC Pin 15
● Brown:	GND Pin 12
● Orange/Green:	CAN HIGH Pin 9
● Orange/Brown:	CAN LOW Pin 10

The installation has to be carried out behind the navigation device (MFD 2). For this purpose the latter has to be dismantled and disconnected from the vehicle voltage.

VW Phaeton & Bentley Continental, Flying Spur:



32 Pin connector:

Cable colour/connector:	Allocation:
● Orange/Green:	CAN HIGH Pin 16
● Orange/Brown:	CAN LOW Pin 32



8 Pin connector:

Cable colour/connector:	Allocation:
● Red:	+12V DC Pin 7
● Brown:	GND Pin 8

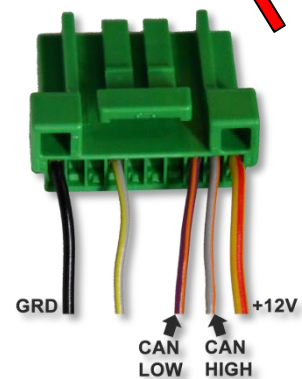
The installation has to be carried out behind the monitor. For this purpose the latter has to be dismantled and disconnected from the vehicle voltage. Connection takes place at the green 32 point plug.

Jaguar XF:



10 Pin connector:

Cable colour/connector:	Allocation:
● Yellow/Red:	+12V DC
● Black:	GRD
● Grey/Orange:	CAN-HIGH
● Violet/Orange:	CAN-LOW



The installation has to be carried out behind the radio device.
DIP switch position on interface :

- 1 = ON (with original rear view camera)
- 1 = OFF (without original rear view camera)
- 2 = ON, 3 = OFF

Ford Edge:



Plug A:

Cable colour/connector:	Allocation:
● Gray/Orange	CAN-HIGH
● Violet/Orange	CAN-LOW

Plug B:

Cable colour/connector:	Allocation:
● White/Red:	+12V DC
● Black/Blue:	Ground

Plug A

Plug B

The installation has to be carried out behind the navigation device.
DIP switch position on interface: **1 = ON** , **2+3 = OFF**



We wish you a lot of fun with your new device and thank you for deciding in favor of our product.