

TV-Free

Video-in-motion Interface

CTVIMMC04

For Mercedes Benz

NTG 3 and NTG 3.5 navigation systems

Legal Information

By law, watching moving pictures while driving is prohibited, the driver must not be distracted. We do not accept any liability for material damage or personal injury resulting, directly or indirectly, from installation or operation of this product. This product should only be used while standing or to display fixed menus or rear-view-camera video when the vehicle is moving, for example the MP3 menu for DVD upgrades.

Contents

1. Prior to installation

- 1.1. Delivery contents
- 1.2. Check compatibility of vehicle and accessories
- 1.3. Setting the Dip-switches
- 1.4. Pin-assignments

2. Installation

3. Activation of the video-in-motion function

4. Specifications

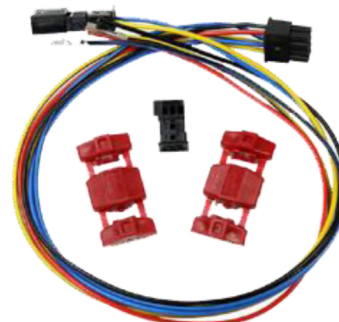
1. Prior to installation

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources.

1.1. Delivery contents

Take down the SW-version and HW-version of the interface boxes, and store this manual for support purposes.

HW _____ SW _____



1.2. Check compatibility of vehicle and accessories

Requirements	
Vehicle	Mercedes Benz S-class (W221) from 10/05, CL-class (W216) from 2006, S-class (W221), CL-class (W216) with Dual-View
Navigation	NTG 3, NTG 3.5

1.3. Setting the Dip-switches

All vehicles Dip 1 ON, Dip 2 ON, Dip 3 ON



1.4. Pin-assignments

Pin-assignment vehicle connector

Cable colour	Assignment
○ Yellow/White	CAN-HIGH Pin 1
● Yellow	CAN-LOW Pin 11

Pin-assignment of the interface (Molex 8pin)

Cable colour	Assignment
● Red	+12Volt Permanent Pin 4
● Black	Ground Pin 8
● Yellow	CAN HIGH Navi Pin 1
● Blue	CAN LOW Navi Pin 2
● Yellow/Black	CAN High Vehicle Pin 5
● Blue/Black	CAN Low Vehicle Pin 6

2. Installation

Switch off ignition and disconnect the vehicle's battery! If according to factory rules disconnecting the battery has to be avoided, it is usually sufficient to put the vehicle in sleep-mode. In case the sleep-mode does not show success, disconnect the battery with a resistor lead.

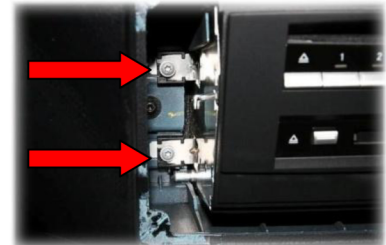
The interface is assembled in the centre stack directly behind the DVD unit (Comand). For this purpose, it must be dismantled and disconnected from the mains.



Remove the panel under the drawer (panel is slotted).



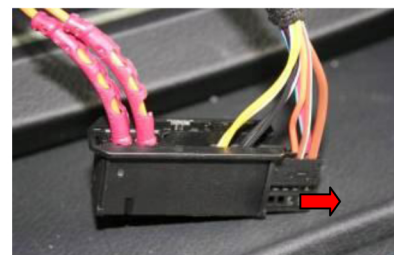
Open the drawer. Loosen the 4 Comand torx screws (2 respectively on each side).



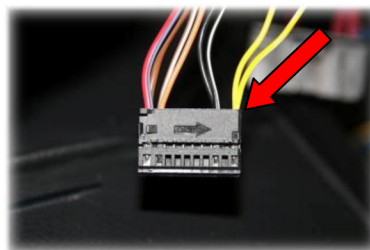
Unplug the Comand and unplug the 20-pin socket.



Unplug the insert from the 20-pin socket.



Loosen Pin 1 (yellow / white cable, CAN HIGH) and Pin 11 (yellow cable, CAN LOW) from the 20-pin socket and, as shown in the right-hand-side illustration, pin it in the included 3-pin socket.



CAN LOW (yellow) Pin 1



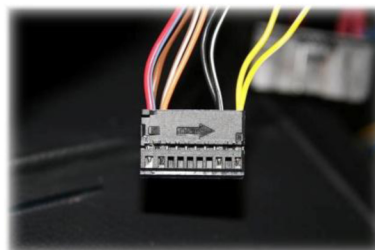
CAN HIGH (yellow / white) Pin 3



Connect the 3-pin socket with the counterpart on the cable set.



Pin the yellow / black cable from the cable set supplied into Pin1 chamber and blue /black cable into the Pin11 chamber of the 20-pin socket. Connect the black cable from the cable set supplied to Pin20 (earth), connect the red cable parallel to Pin10 (+12V) of the 20-pin socket.



3. Activation of the video-in-motion function

The video-in-motion function is activated permanently without disturbing the navigation performance.

4. Specifications

Operation voltage	10.5 – 14.8V
Stand-by power drain	>1mA
Operation power drain	~60mA
Power consumption	~0,72W
Temperature range	-30°C bis +80°C
Weight	44g
Measurements (box only) B x H x T	70 x 20 x 47 mm

