

## **TV-Free**

Video-in-motion Interface

**CTVIMMC01**

**For Mercedes Benz  
Comand 2.0  
Comand APS CD  
Comand APS 220  
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.

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## 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.*



## 1.2. Check compatibility of vehicle and accessories

Requirements	
Vehicle	Mercedes Benz C-Class (W203) til 04/2004, CL-Class (C215) from 09/2002 til 09/2003, CLK-Class (C208 W208) all years, CLK-Class (C209 W209) til 05/2004 , E-Class (W210) all years , G-Modell (W463) til 03/2007, ML-Class (W163) all years, S-Class (W220) from 09/2002 til 09/2003, SL-Class (R230) til 06/2004
Navigation	Comand 2.0, Comand APS CD

## 1.3. Setting the Dip-switches

All vehicles	Dip 1 ON, Dip 2 OFF, Dip 3 OFF
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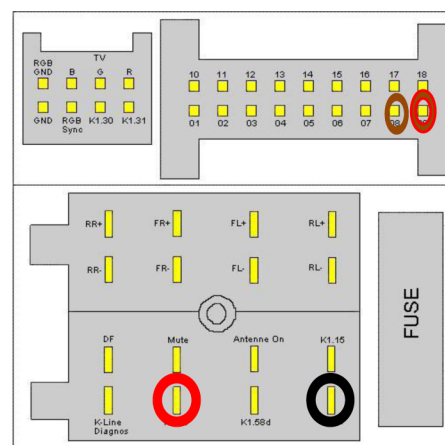
## 1.4. Pin-assignments

### Pin-assignment vehicle connector

● Red	+12V battery power	A Pin 4
● Black	Ground	A Pin 8
●● Brown/red	CAN High	C2 Pin 9
● Brown	CAN Low	C2 Pin 8

### Pin-assignment of the interface (Molex 8pin)

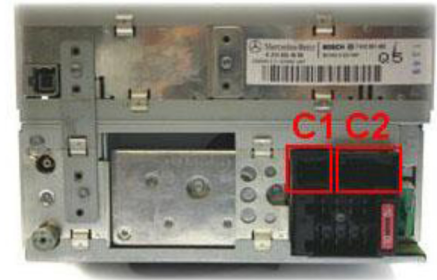
● Red	+12V battery power	Pin 4
● Black	Ground	Pin 8
● Yellow	CAN High Navi	Pin 1
● Blue	CAN Low Navi	Pin 2
●● Yellow/Black	CAN High Vehicle	Pin 5
●● Blue/Black	CAN Low Vehicle	Pin 6



## 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.**

- Remove the Comand from the center console
- Unplug the female 18pin AMP connector of the vehicle harness from the comand
- Change the sleeves of the female 18pin AMP connector from the vehicle harness (coloured) and the harness supplied (black)



- Connect interface to 18pin AMP and connect 8pin Power ISO connection between Comand and vehicle harness

### 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

