

TV-Free

Video-in-motion Interface

CTVIMMC05

**for Mercedes Benz
NTG1 and
Comand APS DVD
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.

HW _____ SW _____



1.2. Check compatibility of vehicle and accessories

Requirements	
Vehicle	Mercedes Benz CL-class (C215) from 10/03, S-class (W220) from 10/03, SL-class (R230) from 06/04, CLS-Coupe (W219) from 10/04 til approx 04/08, E-class (W211) til approx 04/08, SLK-class(R171) from 03/04 til approx 04/08
Navigation	NTG1, Comand APS DVD

1.3. Setting the Dip-switches

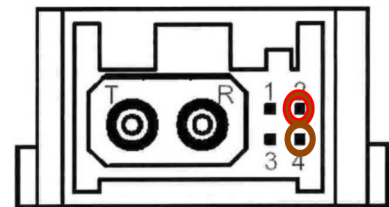
All vehicles Dip 1 ON, Dip 2 OFF, Dip 3 OFF



1.4. Pin-assignments

Pin-assignment vehicle connector

Cable colour	Assignment
● Brown/Red	CAN-HIGH Pin 2
● Brown	CAN-LOW Pin 4



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.

Instruction for vehicles with NTG1:

1. Place of installation is at the AGW-module (Audio-Gate-Way). The AGW-module is placed in the luggage compartment at the left hand side behind the cover of the navigation unit.
2. Remove the optical lead connector from the AGW-module and remove the contained 4pin plug-in from the cage.
3. Connect the dismantled 4pin plug-in to harness supplied. Plug the 4pin plug-in of harness into the optical lead connector of the AGW-module and connect it to the agw-module. Connect the black wire from harness to ground, the red wire to +12V battery power.



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

