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navLinkz TF-NTG6 Video in Motion Interface Instruction Manual

TF-NTG6 Video in Motion Interface

**TV-Free
Video-in-motion Interface**

TF-NTG6

**Compatible with Mercedes Benz
Comand Online MBUX NTG6
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.

Changes/updates of the vehicle's software can cause malfunctions of the interface. We offer free software-updates for our interfaces for one year after purchase. To receive a free update, the interface must be sent in at own cost. Labor cost for and other expenses involved with the software-updates will not be refunded.

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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!

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1.2. Check compatibility of vehicle and accessories

Requirements

Vehicle Mercedes Benz A-class (W177), Sprinter (W907), GLE (C167), GLS (X167) und more types.

Navigation COMAND MBUX NTG6 with 26pin connector

Limitations

MBUX Augmented Reality While the video-in-motion function is active, it is not possible to use the camera traffic light display function!

1.3. Setting the dip switches of the Can-Box TV-500

Vehicle/ navigation Dip 1 Dip 2 Dip 3 Dip 4 Dip 5 Dip 6
Video-in-motion permanent ON OFF OFF OFF OFF ON
Video-in-motion selective* OFF OFF OFF OFF OFF ON

* With dip1 to OFF, a long press (3 sec.) on steering wheel "hang up" button or the included green cable is used to activate the video-in-motion function.

Note: Dip switch functions of the TV-500

Dip 1 – activation TV-free

Dip 2 – no function

Dip 3 – no function

Dip 4 – no function

Dip 5 – CAN-bus termination resistor on the vehicle side

Dip 6 – CAN-bus termination resistor on the head-unit side

1.4. Pin-assignments

Pin-assignment vehicle connector – 26pin version

Cable colour Assignment

● Red +12Volt Permanent – Pin14

● Brown Ground – Pin 1

●● Purple/White CAN HIGH – Pin 7

● Purple CAN LOW – Pin 20

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Pin-assignment of the CAN-Box TV-500 (Molex 8pin)

Cable colour Pin-No. Assignment

● Yellow Pin 4 CAN-HIGH – connection to the head-unit

● Blue Pin 3 CAN-LOW – connection to the head-unit

●● Yellow/Black Pin 8 CAN-HIGH – connection to the vehicle

●● Blue/Black Pin 7 CAN-LOW – connection to the vehicle

● Red Pin 1 +12V permanent

● Black Pin 5 Ground

● Green Pin 6 Activation of the video-in-motion function

(+12V = TV-free activated)

● White Pin 2 No function

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 is sleep-mode. In case the sleep-mode does not show success, disconnect the battery with a resistor lead.

Place of installation is at the backside of the navigation unit:

A-class: On the A-pillar on the driver's side

GLE, GLS: Below passenger seat

Sprinter: Behind the factory monitor

The vehicle is very responsive to disconnected vehicle parts while battery is connected. Therefore the error memory of the vehicle must be deleted after installation.

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3. Activation of the video-in-motion function

The video-in-motion function can be activated and deactivated via Dip 1 or alternatively via the "hang up" button on the steering wheel or via the loose green wire in connection with a switch (not included in delivery).

Video-in-motion permanent

With dip1 to ON the video-in-motion function is activated permanently without disturbing the navigation performance.

Video-in-motion selective via hang up button

With Dip 1 set to OFF, a long press (3 sec.) on the steering wheel "hang up" button is used to activate / deactivate the video-in-motion function.

(After ACC is switched off, the video-in-motion function will be automatically deactivated)

Video-in-motion selective via external switch (not included)

With dip1 set to OFF, the included green cable is used to activate the video-in-motion function.

Connect a switch to the green cable and connect the green cable to +12V ACC.

● +12V = Video-in-motion is activated
● 0V = Video-in-motion is not activated

Note: While the video-in-motion function is active, it is not possible to use the camera traffic   light display function!

Note: The loose white cable is not required and must be isolated.

4. Specifications

Operation voltage 10.5 – 14.8V

Stand-by power drain <2mA

Operation power drain ~60mA

C€ ---12V DC

Power consumption ~0,08W

Temperature range -30°C to +80°C

Weight 44g

Measurements (box only) W x H x D 76 x 27 x 54 mm

5. Technical support

CAS GmbH

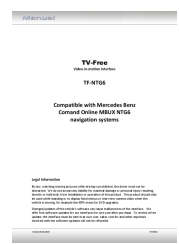manufacturer/distribution

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Documents / Resources

navLinkz TF-NTG6 Video in Motion Interface [pdf] Instruction Manual
TF-NTG6, TV-500, TF-NTG6 Video in Motion Interface, TF-NTG6, Video in Motion Interface, Motion Interface, Interface

References

- **User Manual**