

## **TV-Free**

**Video-in-motion Interface**

## **CI-TF-PSA**

**compatible with Citroen und Peugeot  
RT3-N3 CAN, RT4, NG4 NaviDrive  
and NG4 WipCom/WipNav  
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!*

CAN-box TV-500  
HW \_\_\_\_\_ SW \_\_\_\_\_



Harness  
TV-PC

## 1.2. Check compatibility of vehicle and accessories

**Requirements**

*Vehicle* Citroen, Peugeot

*Navigation* RT3-N3 CAN, RT4, NG4 NaviDrive and WipCom/WipNav

**Limitations**

*Vehicles without Source-button (only RT3-N3-CAN and RT4)* The included green cable is used to activate the video-in-motion function (+12V = activated).

## 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
NG4 NaviDrive/WipCom	ON	OFF	OFF	OFF	OFF	OFF
RT3-N3 CAN, RT4	OFF	OFF	OFF	OFF	OFF	OFF

**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

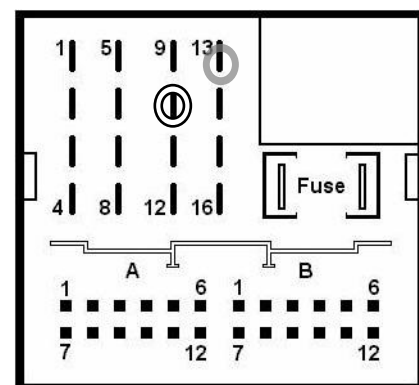
## 1.4. Pin-assignments

### Pin-assignment vehicle connector

- White                      CAN High                      Pin 10
- Grey                        CAN Low                        Pin 13

### 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	Trigger output (+12V DC 500mA)



## 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.**

1. Using an unlocking device, unlock and pull out the navigation unit.

2. Disconnect the vehicle wiring harness Quadlock connector on the back of the navigation unit. The Quadlock connector consists of a number of chambers, the two 12pin inserts of which have to be disconnected from the Quadlock connector.



3. Connect the two 12pin inserts you have just disconnected from the vehicle wiring harness Quadlock connector to the interface Quadlock connector. Proceed by connecting the now fully commissioned interface Quadlock connector to the navigation unit. Then push the vehicle wiring harness Quadlock connector into the interface Quadlock socket.

### 2.1. Exception: Vehicles with RT3-N3 CAN and RT 4 without Source-button

On vehicles with RT3-N3 Can or RT 4 navigation system without Source-button 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 = TV-Free is activated
- 0V = TV-Free is not activated

**Note:** *As long as the video-in-motion function is activated, the **navigation will NOT be working!***

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

### 3. Activation of the video-in-motion function

On vehicles with **RT3-N3 CAN/RT4** press the “SRC”-button on the steering-wheel for 3 seconds to activate/deactivate the video-in-motion function. When the ignition is off, the video-in-motion interface will be automatically disabled.

**Note:** *As long as the video-in-motion function is activated, the navigation will NOT be working!*

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

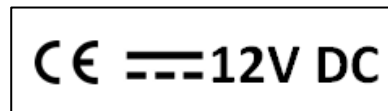
On vehicles with **NG4 NaviDrive/WipCom** the video-in-motion function is activated permanently without disturbing the navigation performance.

**Note:** *On some vehicles the navigation performance is affected and as long as the video-in-motion function is activated the navigation will not be working! In this case you have to connect the green cable as described in chapter “Exception: Vehicles with RT3-N3 CAN and RT 4 without Source-button” and set Dip 1 to OFF.*

*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
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



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