

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

### **TF-MFD2**

## **for Audi RNS-E, Volkswagen MFD2/RNS2 and Skoda Nexus 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.

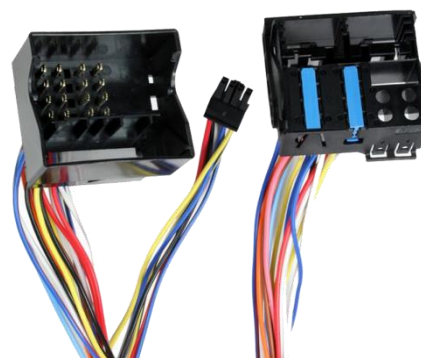
### 1.1. Delivery contents

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

CAN-box TV-400  
HW \_\_\_\_\_ SW \_\_\_\_\_



Harness  
TV-VW01



## 1.2. Check compatibility of vehicle and accessories

**Requirements**

*Vehicle* Audi A3, A4, TT (8J), VW Touareg; Golf 5, Touran, T5, Passat from years 2006, Caddy Live, Skoda Octavia 2 and other vehicles with MFD2/RNS2 navigation systems

*Navigation* Audi Navi Plus RNS-E, VW MFD2/RNS2 and Skoda Nexus navigation systems

*Attention! Audi A6 with Navi Plus RNS-E have analog speed signal.*

**Limitations**

*Audi Navi Plus RNS-E* While the video-in-motion function is active, the navigation will not work!

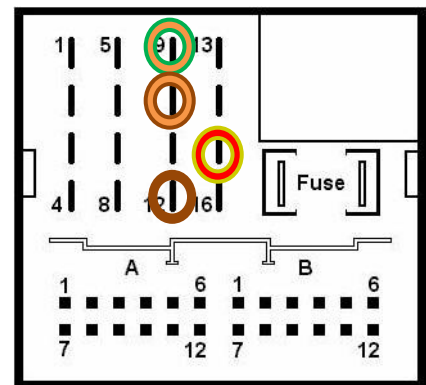
## 1.3. Setting the Dip-switches of the Can-Box TV-400

Audi RNS-E	Dip 1 OFF, Dip 2 OFF, Dip 3 OFF	
VW/Skoda MFD2/RNS2/Nexus	Dip 1 ON, Dip 2 OFF, Dip 3 OFF	

## 1.4. Pin-assignments

### Pin-assignment vehicle connector

Cable colour	Assignment
● Red/Yellow	+12Volt Permanent Pin 15
● Brown	Ground Pin 12
● Orange/Green	CAN HIGH Pin 9
● Orange/Brown	CAN LOW Pin 10



### Pin-assignment of the CAN-Box TV-400 (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 Audi A3 und A4 with RNS-E:

1. Remove the navigation computer from the centre console with the accordant tool kit (not included).
2. Disconnect Quadlock connector from the backside of the navigation computer and connect it to harness TV-VW01. If the original Quadlock connector carries 12pin inserts, disconnect the inserts and connect them to harness TV-VW01. Connect TV-VW01 to the navigation computer.



### Instruction for VW Touareg and T5 with MFD2/RNS2:

1. Remove the navigation computer from the centre console with the accordant tool kit (not included).
2. Disconnect Quadlock connector from the backside of the navigation computer and connect it to harness TV-VW01. If the original Quadlock connector carries 12pin inserts, disconnect the inserts and connect them to harness TV-VW01. Connect TV-VW01 to the navigation computer.



## Instruction for VW Golf 5, Touran and Skoda with MFD2/RNS2/Nexus:

1. Remove decorative plastic panels of the navigation computer carefully, remove the 4 TORX screws and pull the navigation computer out of the centre console.



2. Disconnect Quadlock connector from the backside of the navigation computer and connect it to harness TV-VW01. If the original Quadlock connector carries 12pin inserts, disconnect the inserts and connect them to harness TV-VW01. Connect TV-VW01 to the navigation computer.



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

On vehicles with **RNS-E** navigation system the video-in-motion function is activated by long-pressing the “next track” button when in TV-mode. As confirmation, the head-unit’s button illumination will blink a few times slowly. Repeat to deactivate, confirmation are a few fast blinks. After ACC is switched off, the video-in-motion function will be automatically deactivated.

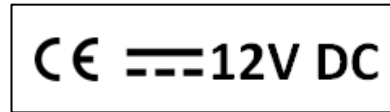


**Note:** *While the video-in-motion function is active, the navigation will not work!*

On vehicles with **MFD2/RNS2** and **Nexus** navigation systems 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



## 5. Technical Support

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