

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

**CTVIMBM03**

**for BMW E65 Professional navigation systems  
with 8.8" monitor**

**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	7series (E65/E66)
Navigation	Navigation system <b>Professional E65</b> with 8.8" monitor

## 1.3. Setting the Dip-switches

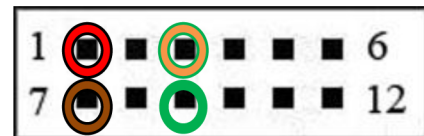
All vehicles Dip 1 ON, Dip 2 OFF, Dip 3 OFF



## 1.4. Pin-assignments

### Pin-assignment vehicle connector

- Red/Black permanent +12 Volt Pin 1
- Brown/Black Ground Pin 7
- Orange/Green CAN HIGH Pin 3
- Green CAN LOW Pin 9



### 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.**

The video-in-motion interface is connected to the backside of the OEM screen.



Remove 3 TORX screws at the OEM screen.



Remove cover grill (only plugged). Place soft towel beneath the navigation monitor to avoid scratches



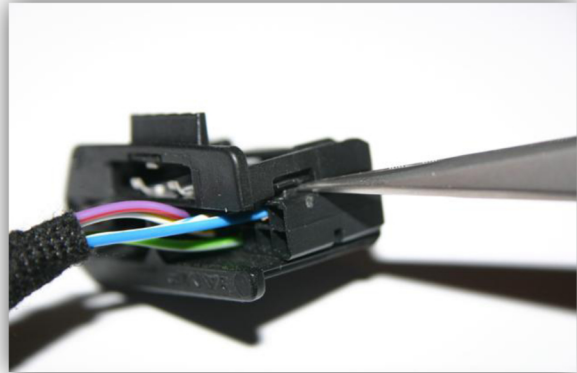
Flip down the board monitor.  
*NOTE:* The OEM screen gets stuck with its connector at the upper side of the cockpit. Insert a hard plastic sheet like a credit card to prevent cockpit from taking damage.



Remove the black connector at the backside of the screen as shown below.



Remove 12-pin insert from black vehicle harness connector.



Insert 12-pin insert into black connector of the harness supplied.



Insert the completed black connector into harness



Connect 12-pin insert from harness into black connector from vehicle harness.



Insert completed connector into the plug on the backside of the navigation monitor.  
Connect 8pin Molex connector of harness to the interface.

**NOTE:** Pictures do NOT show the fibre optics connected in car!

### 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

