

TV-Free

Video-in-motion Interface

CTVIMLR01

**for Landrover
touch-screen 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	Range Rover (Vogue), Range Rover Sport, Discovery3/4 till year 2011
Navigation	Touch-screen navigation 1st generation (2006-2009) and 2 nd generation (2010-2011)

1.3. Setting the Dip-switches

1.3.1. For vehicles with navigation 1st generation (2006-2009)



2006-2009

With factory rear-view camera Dip 1 ON, Dip 2 ON, Dip 3 ON



Without rear-view camera or
with after-market rear-view cam. Dip 1 OFF, Dip 2 ON, Dip 3 ON



1.3.2. For vehicles with navigation 2nd generation (2010-2011)



2010-2011

With rear-view camera Dip 1 ON, Dip 2 ON, Dip 3 ON



Without rear-view camera Dip 1 OFF, Dip 2 ON, Dip 3 ON



Note: On vehicles from 2010, setting dip 1 to ON codes the factory rear-view camera input which is located on the 6pin male connector of the factory monitor. When reverse gear is engaged, the navigation will automatically switch to this input. On vehicles with factory rear-view camera set Dip 1 to ON, too.

1.4. Pin-assignments

Pin-assignment vehicle connector Range Rover Vogue

Cable colour	Assignment
● Yellow/White	CAN-HIGH Pin 9
● Yellow/Blue	CAN-LOW Pin 10

Pin assignment vehicle connector Sport & Discovery

Cable colour	Assignment
● Yellow/White	CAN-HIGH
● Yellow	CAN-LOW

Pin-assignment of the interface (Molex 8pin)

● Red	Red	+12V battery power	Pin 4
● Black	Black	Ground	Pin 8
● Yellow	Yellow	CAN High Navi	Pin 1
● Blue	Blue	CAN Low Navi	Pin 2
● Yellow/Black	Yellow/Black	CAN High Vehicle	Pin 5
● Blue/Black	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.

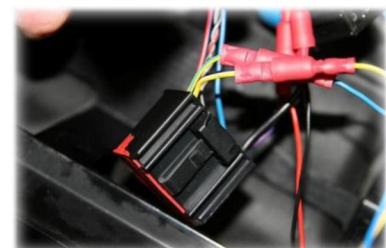
Instruction for Range Rover Vogue:

1. Place of installation is at the radio module, a hide-away box which is located behind the glove box. Remove the plastic cover below the glove box.
(If the radio module is not located behind the glove box, it is located behind the factory navigation monitor).
2. Transfer female system-connector of vehicle harness from rear of radio module into supplied harness.
3. Plug female system-connector of the interface into the male socket of the radio module.



Instruction for Range Rover Sport and Discovery 3/4:

1. Place of installation is at the radio module behind the factory navigation monitor. In order to remove the radio unit, remove the plastic cover and the 4 screws that hold the unit in place.
2. Transfer female system-connector of vehicle harness from rear of radio module into supplied harness.
3. Plug female system-connector of the interface into the male socket of the radio module.



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

