

## **RL-SMEG-SMART**

**Rear view camera input and  
CarPlay®/MirrorLink® activator  
compatible with Citroen / Peugeot  
SMEG+ (iV2) system**

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## 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.

## 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.*

**Interface-box**  
**RLC-M40-SMSM**  
 HW \_\_\_\_\_ SW \_\_\_\_\_



**Harness**  
**RLC-SMEG01**



**Video harness**  
**C4C-M40-V**



## 1.2. Check compatibility of vehicle and accessories

### Requirements

<i>Vehicle</i>	Citroen and Peugeot vehicles from year 2016
<i>Navigation</i>	SMEG+ (iV2 hardware with software version 6.x.x.xx)

### Limitations

<i>Video-sources</i>	Only compatible to NTSC-sources.
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## 1.3. Setting the DIP switches of the interface box RLC-M40-SMSM

Various settings must be made with the DIP-switches of the interface box.

DIP position “down” is OFF and position “up” is ON.

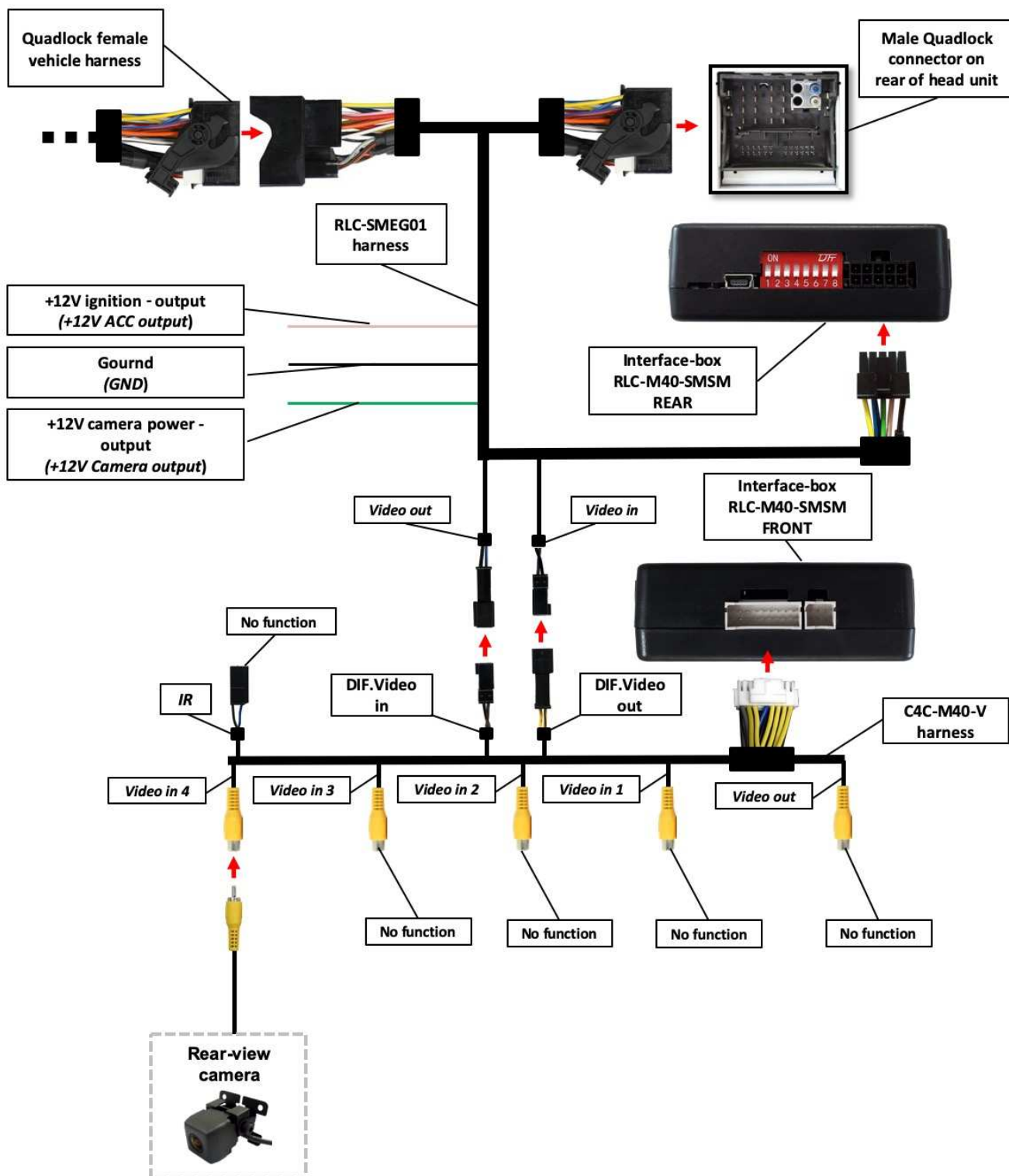


DIP-switch	ON	OFF
DIP 1	Manual gearbox	Automatic gearbox
DIP 2	Interface coding setting (see page 8, point 4)	
DIP 3	No Function (set to <b>OFF</b> )	
DIP 4	Aftermarket rear-view camera	OEM rear-view camera
DIP 5	CarPlay® ON	CarPlay® OFF
DIP 6	MirrorLink® ON	MirrorLink® OFF
DIP 5-7	No Function (set to <b>OFF</b> )	
DIP 8	CAN bus termination (set to <b>ON</b> )	

## 1.4. LED's of the interface box RLC-M40-SMSM

LED	Status	Funktion
● Red	Lights	Ignition is ON
● Blue	Lights	CAN bus connection OK
● Blue	Flashes	Coding process

## 2. Connection schema

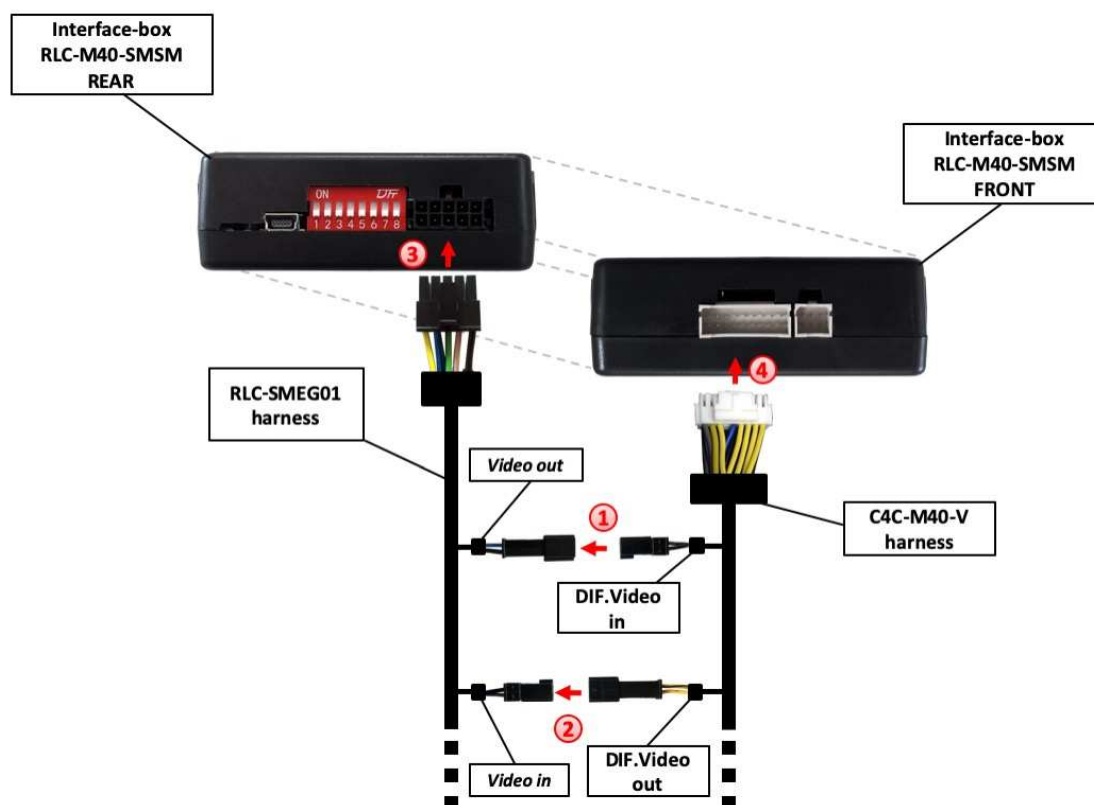


## 3. Installation

**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.**

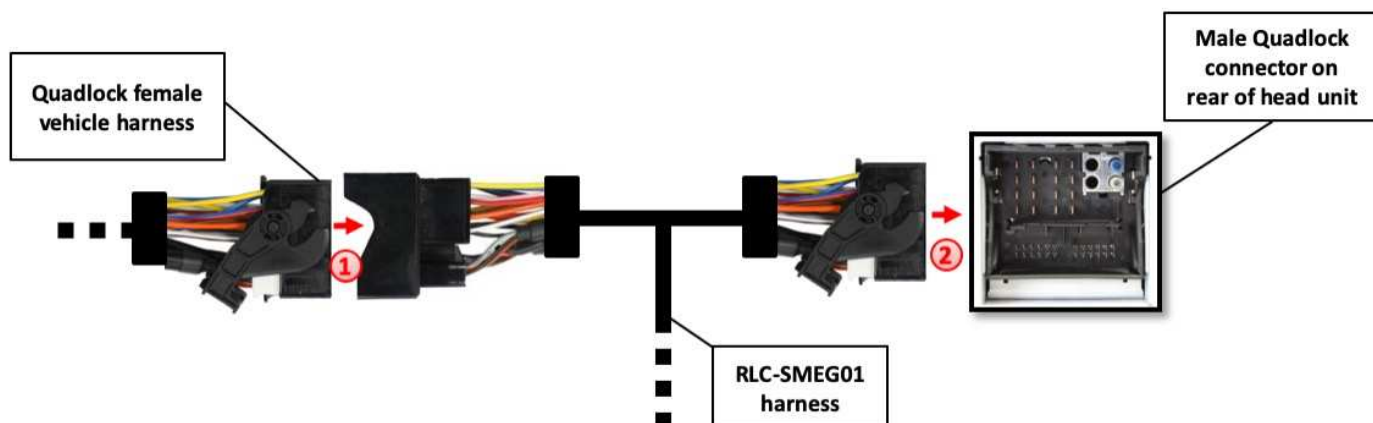
Place of installation is on the rear of the head unit.

### 3.1. Connecting interface-box and harnesses



- 1** Connect the "DIF.Video in" 2pin socket of the C4C-M40-V harness to the 2pin "Video out" plug of the RLC-SMEG01 harness.
- 2** Connect the "DIF.Video out" 2pin socket of the C4C-M40-V harness to the 2pin "Video in" plug of the RLC-SMEG01 harness.
- 3** Connect female 10pin connector of harness RLC-SMEG01 to the male 10pin connector on the rear of the interface-box RLC-M40-SMSM.
- 4** Connect female 18pin connector of harness C4C-M40-V to the male 18pin connector on the front of the interface-box RLC-M40-SMSM.

## 3.2. Connection to the head unit



- 1 Transfer Quadlock connector of vehicle harness from rear of the head unit into male Quadlock connector of harness RLC-SMEG01.
- 2 Plug female Quadlock connector of harness RLC-SMEG01 into male Quadlock socket on the rear of the head unit.

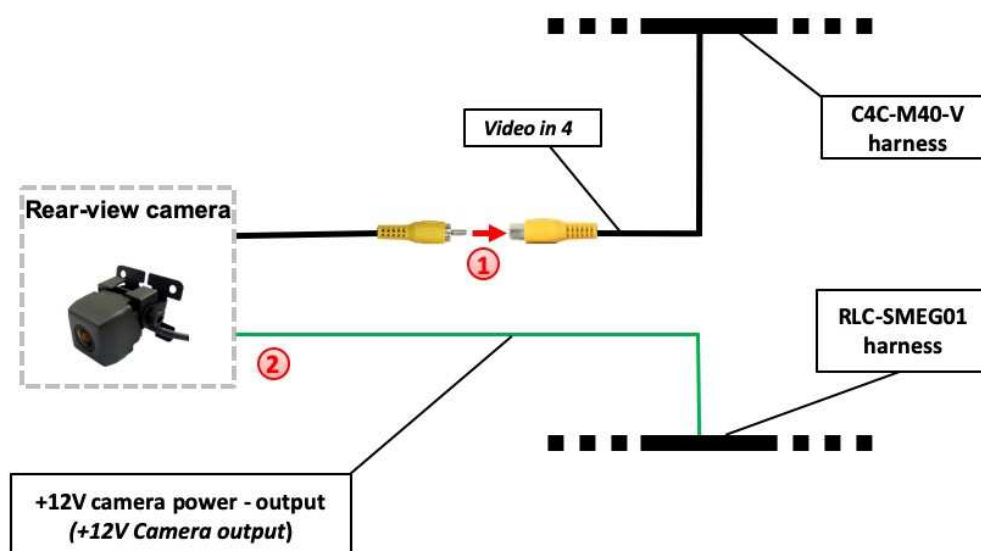
### 3.3. Connecting note

It is possible to connect a after market rear view camera to the interface.

**Before final installation of the cameras, we recommend to test-run the interface functions to detect incompatibility of vehicle, navigation, factory accessories or peripheral devices as soon as possible.**

**Note:** Only compatible to NTSC-cameras.

#### 3.3.1. After market rear-view camera



- 1 Connect the video RCA of the after market rear-view camera to the female RCA connector "Video in 4" of harness C4C-M40-V.
- 2 Connect the green wire of harness RLC-SMEG01 to the camera power supply (+12V max. 1A). The green wire is high (+12V) when ignition (ACC) is switched on. As soon as the vehicle exceeds 30 km/h, the power is switched off on the green wire.

**Note:** Only compatible to NTSC-cameras.



## 4. Activation

The interface is able to coding / activate the following internal functions of the SMEG + (iV2) system:

- Rear-view camera - (DIP4)
- CarPlay® - (DIP5)
- MirrorLink® - (DIP6)

1. Set DIP switch "2" to ON.
2. Depending on the desired function, set the DIP switches "4" / "5" / "6" / "8" to ON. If the vehicle does not have an automatic gearbox, DIP switch "1" must also be set to ON (set the remaining DIP switches to OFF).
3. Start the engine and wait until the radio system has started (approx. 1min).
4. Press the "SRC" button on the steering wheel for 10 seconds.
5. The blue LEDs is flashing (coding in progress).
6. After successful coding, the radio system make a restart.
7. Set DIP "2" to OFF
8. Activation is completed.

(Repeat these steps to disable the camera function)

**Note:** After the first use on a vehicle, the RL-SMEG-SMART interface is personalized to this vehicle and can be used unlimited times to code or reverse coding on this vehicle.

## 5. Operation

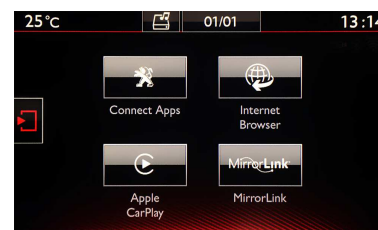
### 5.1. Manual camera activation

Press the "SRC" steering wheel button for **3 seconds** to select the interface as the current video source.

Press the "SRC" steering wheel button again for **3 seconds** to deactivate the interface as the current video source.


### 5.2. CarPlay® / MirrorLink® function

Connect the smartphone to the vehicle USB socket. The CarPlay® / MirrorLink® function is located in the menu point "ONLINE SERVICES". For further steps, follow the instructions of the smartphone manufacturer.



## 6. Specifications

Operation voltage	10.5 – 14.8V DC
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) B x H x T	76 x 27 x 54 mm

CE  12V DC

## 7. Technical Support

**Caraudio-Systems Vertriebs GmbH**  
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