

Vehicle Applications

2014-2015	S60 / V60
2014-2015	S80
2014-2015	V70
2014-2015	V40 / V40 Cross Country
2014-2015	XC60
2014-2015	XC70

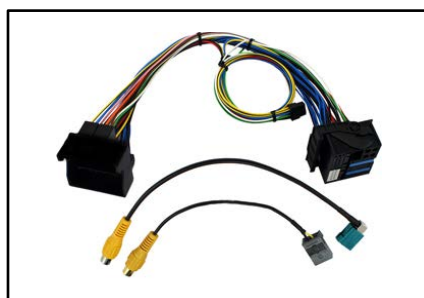
Notes

1. Features like lane pilot, distance assistant and city safety system, **DO NOT** work while the RVCVL-82S is activated.
2. Tap the green wire to +12V to activate the video-in-motion feature in selective mode.

Parts Included



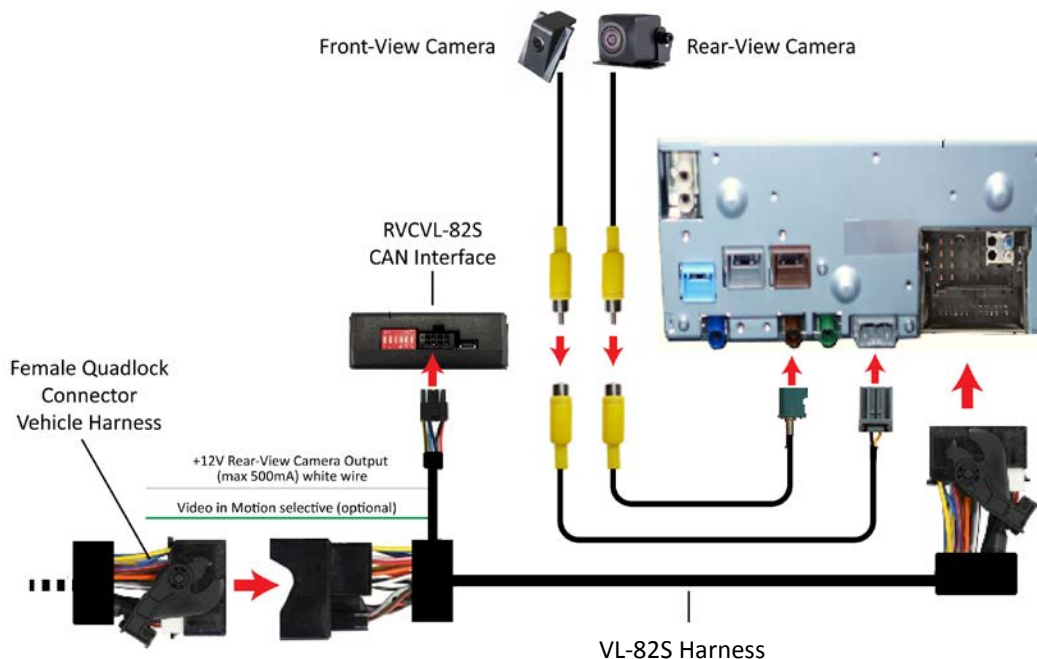
RVCVL-82S
CAN Interface



VL-82S
Harness



Wiring Diagram



Installation Instructions

Switch off ignition and disconnect the vehicle's battery! If disconnecting the battery has to be avoided according to the factory directive, it is usually sufficient to put the vehicle in sleep-mode. In case the sleep-mode does not work, disconnect the battery with a resistor lead.

DIP Switch Setting

Navigation	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6
Vehicles WITHOUT extra equipment (lane pilot, distance assistant, city safety system) and rear-view camera	ON	ON	OFF	OFF	ON	ON
Vehicles WITHOUT extra equipment (lane pilot, distance assistant, city safety system) and with rear-view and front-camera	ON	ON	ON	OFF	ON	ON
Vehicles WITH extra equipment (lane pilot, distance assistant, city safety system) and rear-view camera	OFF	ON	OFF	OFF	ON	ON
Vehicles WITH extra equipment (lane pilot, distance assistant, city safety system) and with rear-view and front-camera	OFF	ON	ON	OFF	ON	ON



DIP switch functions of the RVCVL-82S

DIP 1 – Activate Video in Motion

DIP 2 – Activate rear-view camera

DIP 3 – Activate front-camera

DIP 4 – No function

DIP 5 – CAN-bus termination resistor on the vehicle side

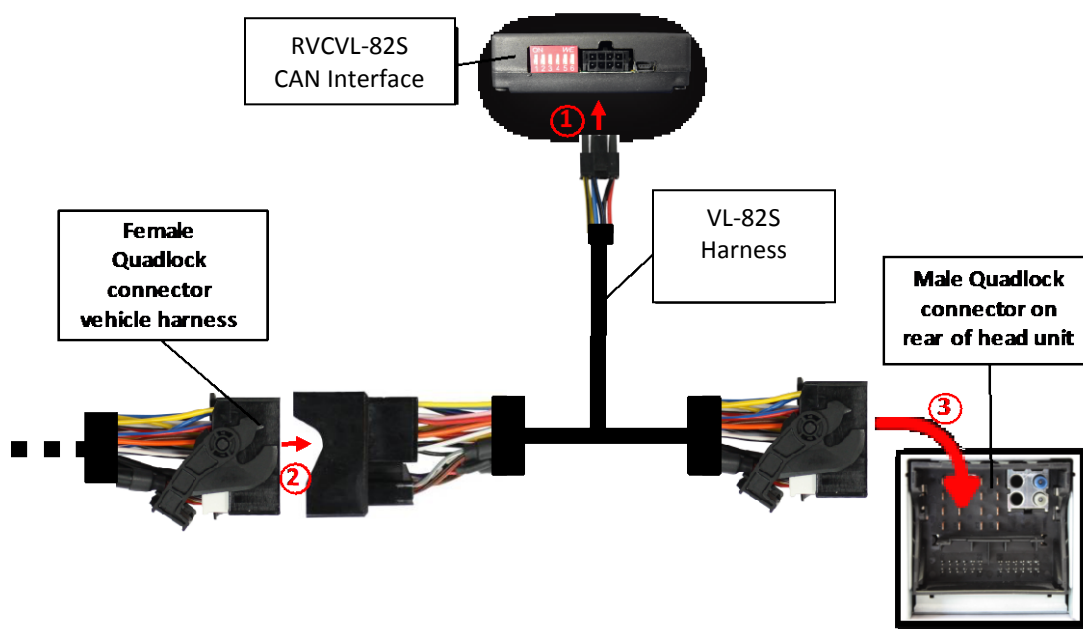
DIP 6 – CAN-bus termination resistor on the head-unit side

PIN Assignment of loose wires on the VL-82S Harness (8-Pin Molex)

Wire Color	Pin-No.	Assignment
● Green	Pin 6	Activation of the video-in-motion function (+12V =Video in Motion, only if DIP1=OFF)
● White	Pin 2	Reverse Trigger Output (+12V DC 500 mA) Only if DIP2=ON and Reverse gear engaged

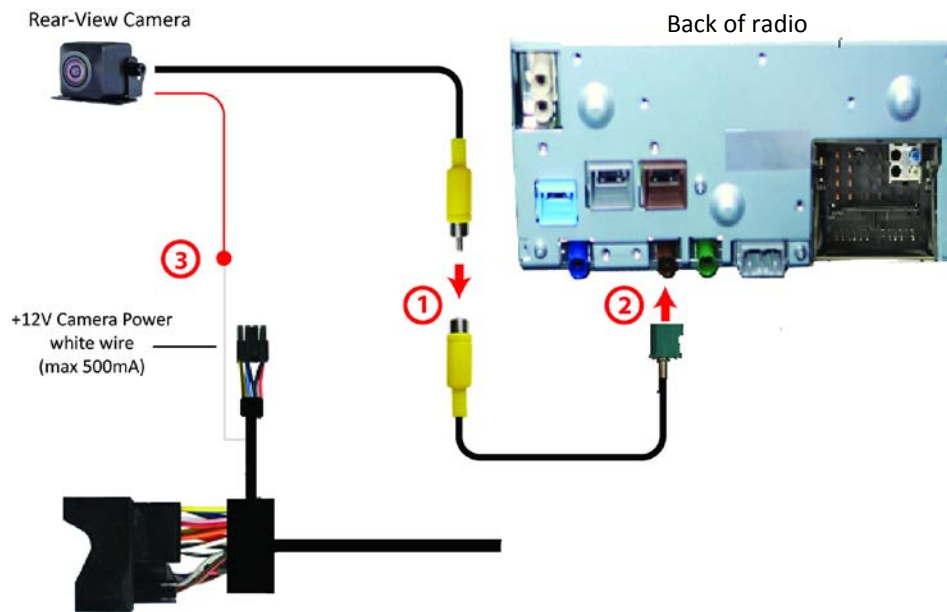
Note: The interface is installed on the backside of the navigation unit.

CONNECTING THE CAN INTERFACE TO THE FACTORY NAVIGATION UNIT



- 1 Connect female 8-Pin Molex connector of the VL-82S harness to the male 8-Pin Molex connector of CAN Interface.
- 2 Transfer the female Quadlock connector of vehicle harness from rear of the head-unit to male Quadlock connector of the VL-82S harness.
- 3 Plug female Quadlock connector of the VL-82S harness into male Quadlock connector on the rear of the head-unit.

CONNECTIONS TO REAR VIEW CAMERA

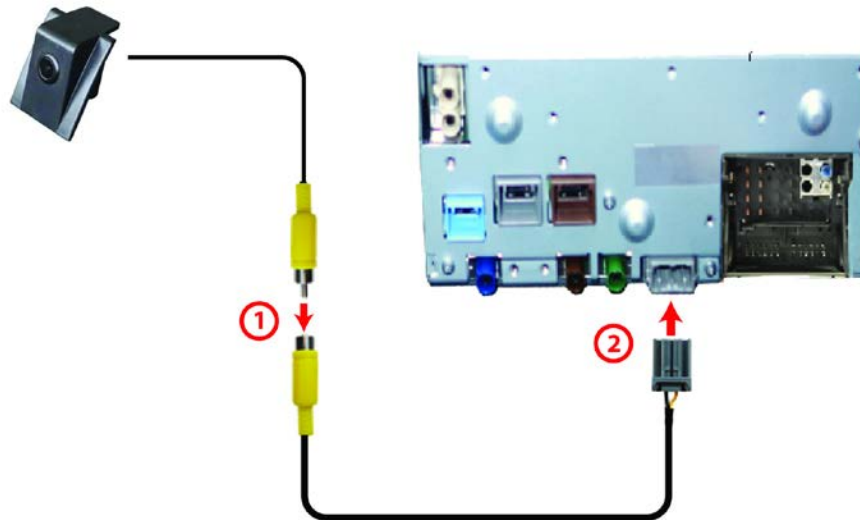


- 1 Connect the video RCA of the rear-view camera to the female RCA connector of the adapter cable from the RVCVL-82S kit.
- 2 Connect the green Fakra plug of the adapter cable from the RVCVL-82S kit to the brown Fakra socket of the head unit.
- 3 Connect the white wire of the VL-82S harness to the camera power supply (+12V max 500mA). The white wire gets power when reverse gear is engaged.



CONNECTION TO FRONT CAMERA

Front-View Camera



- 1 Connect the video RCA of the front camera to the female RCA connector of the adapter cable from the RVCVL-82S kit.
- 2 Connect the grey 5pin plug of the adapter cable from the RVCVL-82S kit to the grey 5pin socket of the head unit.

Activation of rear-view and front camera

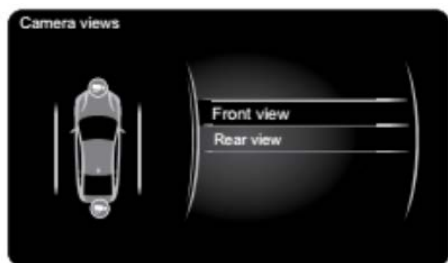
The rear-view camera activates automatically whenever the reverse gear is engaged. The camera will be deactivated once a speed of 12 mph is reached. Alternatively, activation / deactivation can be done manually via the camera menu or via the softkey (see diagram).

The front camera can only be activated / deactivated manually via the camera menu or via the softkey (see diagram).

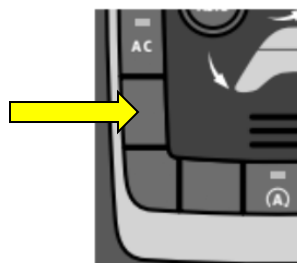
Softkey rear-view camera function: → rear-view camera → off →...

Softkey front- and rear-view camera function: → rear-view camera → front camera → off →...





Camera menu



Softkey

Activation of the video-in-motion function

The video-in-motion can be activated and deactivated by DIP 1 or by the loose green wire on the harness when connected to a +12V ACC source.

Video-in-motion permanent

With DIP1 to ON the video-in-motion function is activated permanently without disturbing the navigation performance.

Video-in-motion selective

With DIP1 set to OFF, the green wire is used to activate and deactivate the video-in-motion function.

Connect a switch between the green wire and +12V ACC.

- +12V = Video-in-motion is activated
- 0V = Video-in-motion is not activated

