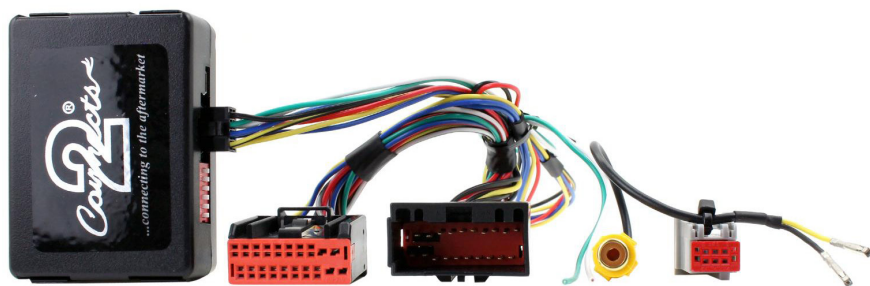




Connects2Vision

CAM-LR1-AD

Rear View Camera Input and Video In Motion



Application:

Land Rover Range Rover Vogue (L322) 2010 - 2012,
Range Rover Sport (L320) 2004 - 2013,
Discovery (L319) 2010 - 2011

For Touch Screen Navigation Version 2.0 Head Units

www.connects2.com



CAM-LR1-AD

Reverse Camera Add On Interface with Video In Motion. For Land Rover 2010 - 2011 vehicles with touch screen navigation systems. Add on Camera interface designed to allow the addition of an aftermarket reverse camera to the OEM screen - compatible with NTSC cameras only.

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. Please ensure you use the correct tools to avoid damage to the vehicle or product.

Connects2 can not be held responsible for the installation of this product.

Technical Support

Connects2 want to provide a fast and suitable resolution should you encounter any technical issues. With this in mind, when contacting Connects2, try to provide as much Information as possible. This will speed up the process and help us to help you.

Please use our dedicated online technical support centre: support.connects2.com



Subscribe to our YouTube Channel for installation guides and tips... www.youtube.com/connects2



Dipswitch Settings

	Dip 1	Dip 2	Dip 3	Dip 4	Dip 5	Dip 6
Vehicle/ navigation						
Video-in-motion permanent	ON	ON	OFF	OFF	ON	ON
Video-in-motion selective*	OFF	ON	OFF	OFF	ON	ON

* With Dip1 set to "OFF", the included green cable can be used to activate the video in motion function

Interface Dipswitch Functionality:

Dip 1 – Activation of Video in Motion

Dip 2 – Existing Rear View Camera

Dip 3 – TV icon simulation

Dip 4 – No function

Dip 5 – Termination resistor CAN-Bus

Dip 6 – Termination resistor CAN-Bus

Setting Dip2 to "ON" codes the factory rear-view camera input, located on the brown Fakra male connector of the factory monitor. When reverse gear is engaged, the navigation will automatically switch to this input.

Pin Configuration

Range Rover Vogue

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

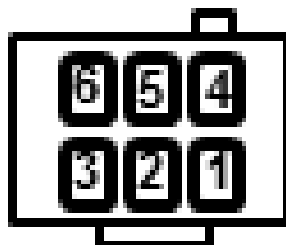
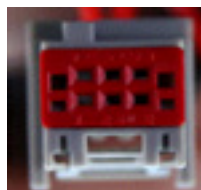
Range Rover Sport/Discovery

Cable Colour	Assignment
Yellow/White	CAN-HIGH
Yellow	CAN-LOW

Interface Pin Configuration

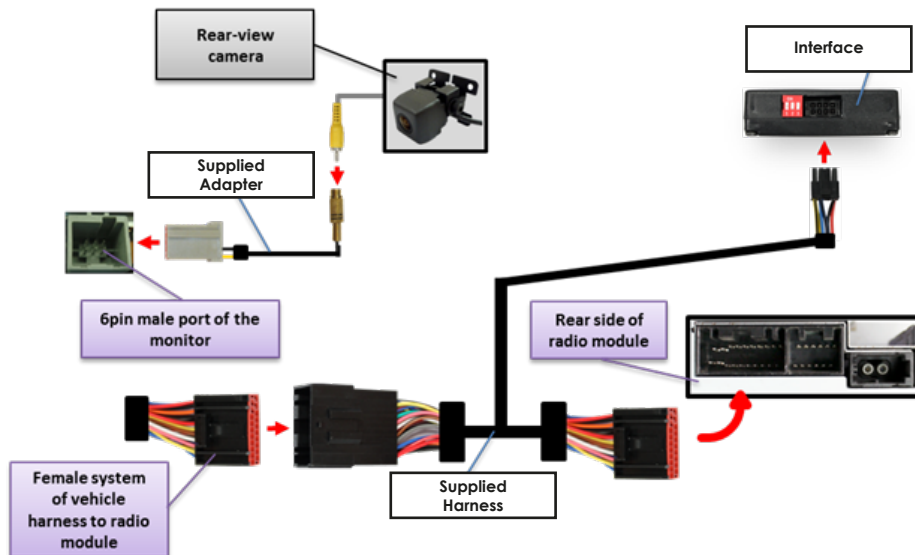
Cable Colour	Pin-No.	Assignment
Yellow	Pin 4	CAN-HIGH – connection to the head-unit
Blue	Pin 3	CAN-LOW – connection to the head-unit
Yellow/Black	Pin 8	CAN-HIGH – connection to the vehicle
Blue/Black	Pin 7	CAN-LOW – connection to the vehicle
Red	Pin 1	+12V Permanent
Black	Pin 5	Ground
Green	Pin 6	Activation of the video-in-motion function (+12V = TV-free activated)
White	Pin 2	Trigger output (+12V DC 500mA)

Monitor Connection Pin Configuration



Pin 2: Video-signal rear-view camera

Pin 5: Video-signal ground rear-view camera

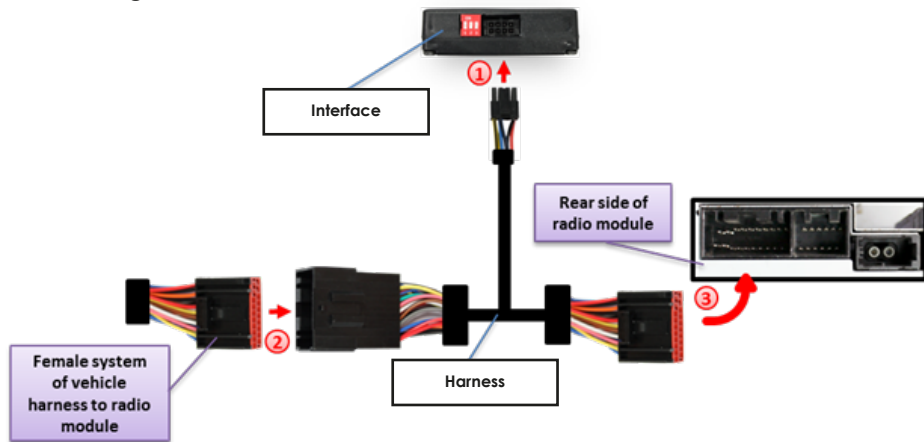


Installation

NB: Before installation, switch off ignition, disconnect the vehicle battery and remove the vehicle's head unit.

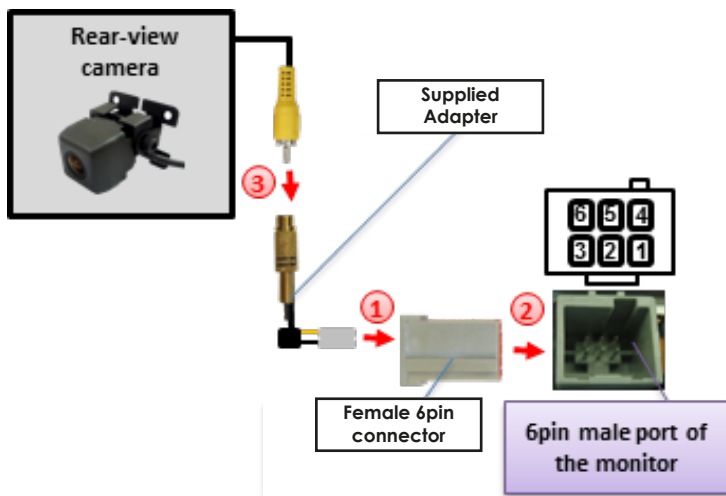
The installation location is on rear of the radio module and behind the factory navigation monitor. In Range Rover Vogue vehicles, the radio module is a hide-away box, located behind the glove box. In Range Rover Sport and Discovery 4 vehicles, the radio module is located behind the factory navigation monitor.

Connecting Interface, Harness and Radio Module



1. Connect the female 8pin Molex connector of the harness to the male 8pin Molex connector of the interface.
2. Transfer the female system-connector of vehicle harness from the rear of the radio module into the male system-connector of the supplied harness
3. Plug the female system-connector of the supplied harness into the male socket on the rear of the radio module.

Connecting to Rear-View Camera





1. Pin the coloured video-signal (black video-signal ground) into pin 2 (pin 5) of the female grey-red 6pin connector.
2. Connect the female grey-red 6pin connector to the 6pin male port of the monitor.
3. Connect the video RCA of the rear-view camera to the female RCA connector of supplied adapter

Note: Only compatible with NTSC cameras.

If the factory Adventure-camera is installed, there is already a female grey-red 6pin connector on the factory vehicle harness which is connected to the male 6pin port on the backside of the factory monitor. In this case, pin the two bare contacts into the female grey-red 6pin connector of the vehicle harness instead of the supplied one.

Activating Video in Motion

The video-in-motion can be activated and deactivated by Dip 1 or alternatively by the included loose green cable in connection with a switch (not included in delivery).

Video-in-motion permanent

With Dip1 set to "ON", the video-in-motion function is permanently activated

Video-in-motion selective

With Dip1 set to "OFF", the included green cable is used to activate the video-in-motion function.

Connect a switch to the green cable and connect the green cable to +12V ACC.

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

Note: The loose white cable is not required and must be isolated.

[illegible]