



CAM-DG1-AD

Rear View Camera Input and Video in Motion



Application:

Dodge Charger 2011>, Journey 2011>

For Uconnect 8.4N/RB5, 8.4/RE2 Head Units

www.connects2.com



CAM-DG1-AD

Camera Add-On Interface for vehicles with Uconnect 5" or 8,4" System with 22 pin connector. Provides Video input to connect a rear-view camera including video-in-motion. Add on camera interface designed to allow the addition of an aftermarket reverse camera to the OEM screen. Designed for vehicles with the grey 22 way connector, for 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.

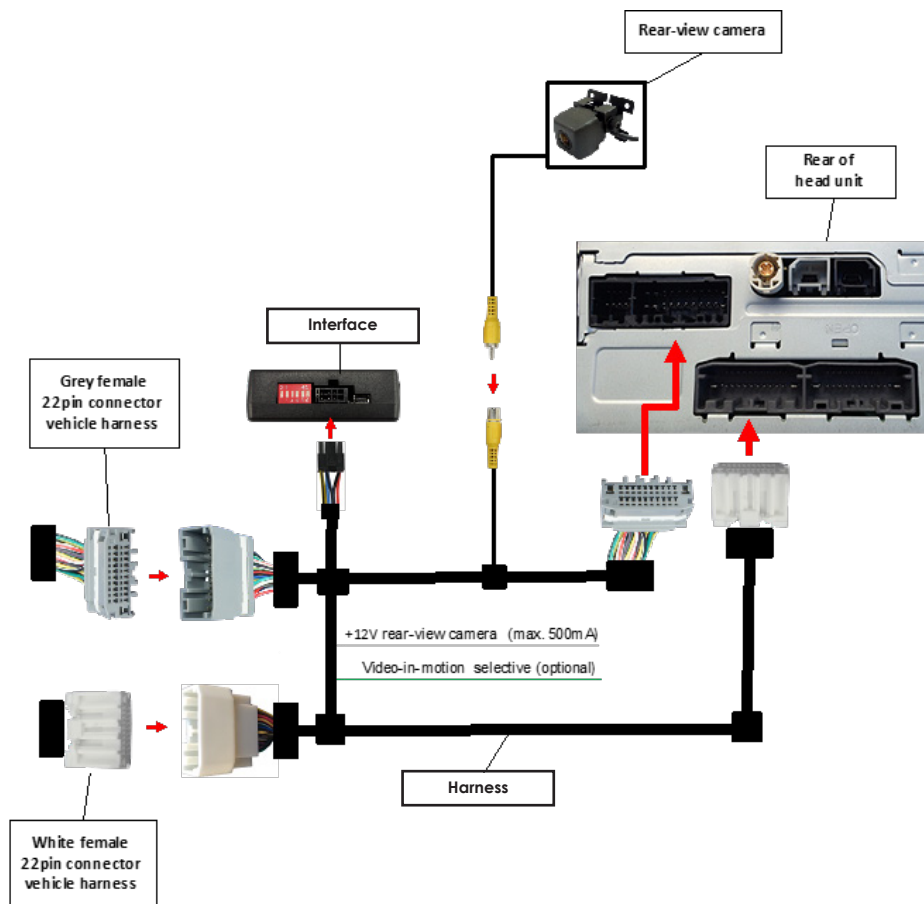
Technical Support

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



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Interface Dipswitch Configuration

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

* Set Dip1 to 'Off' or use the supplied green cable to activate Video in Motion functionality



Note: See below for dipswitch functions:

Dip 1 – Activation of video in motion

Dip 2 – Rear-view camera coding

Dip 3 – No function

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 the Interface (Molex 8pin)

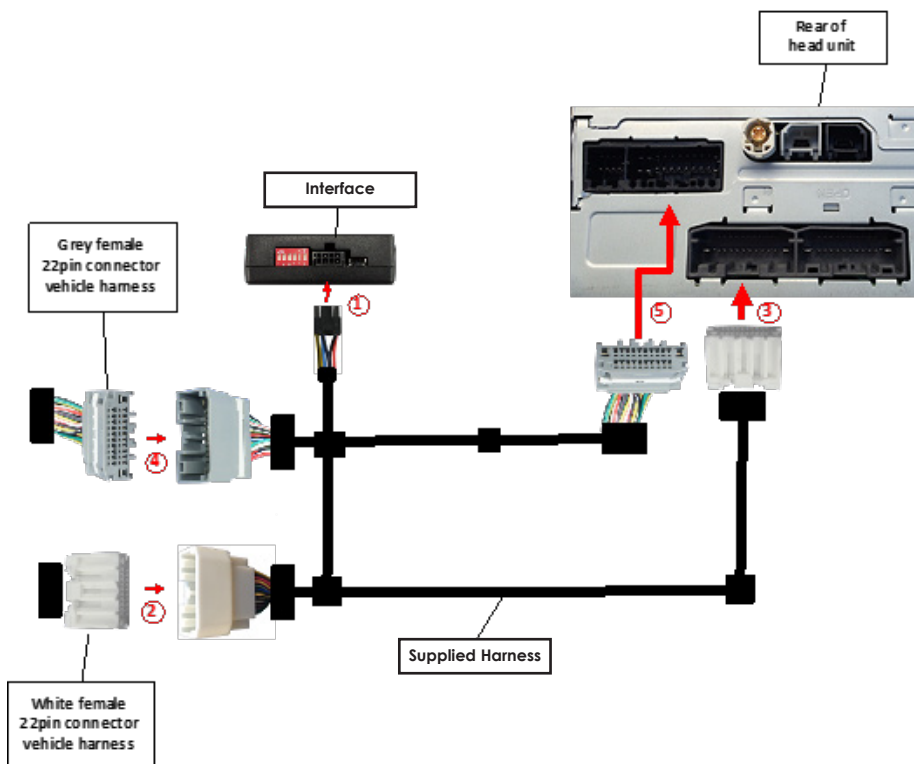
Cable colour	Pin-No.	Assignment
Yellow	Pin 4	CAN-HIGH – connection to the head-unit
Blue	Pin 3	CAN-LOW – connection to the head-unit
Yellow/Black	Pin 8	CAN-HIGH – connection to the vehicle
Blue/Black	Pin 7	CAN-LOW – connection to the vehicle
Red	Pin 1	+12V Permanent
Black	Pin 5	Ground
Green	Pin 6	Activation of the video-in-motion function (+12V = TV-free activated, only if Dip1=OFF)
White	Pin 2	Trigger output (+12V DC 500mA) (only if Dip2=ON and reverse gear engaged)

Installation

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

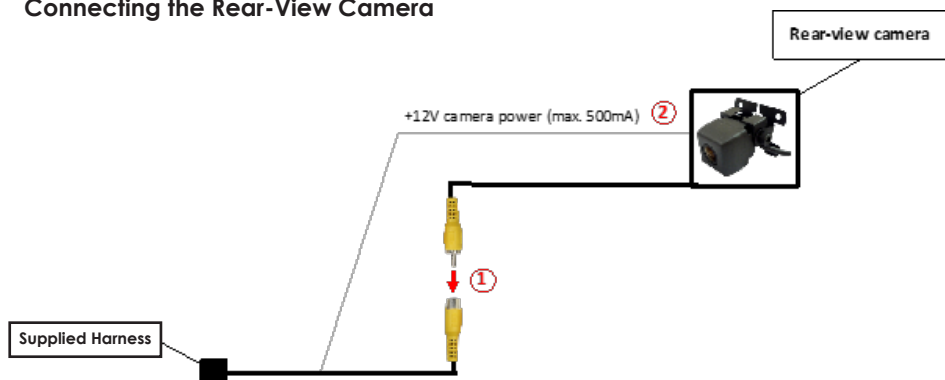
The interface is installed behind the vehicle's head unit. The RCA connectors provide the factory aux signal and must remain connected.

Connecting Interface, Harness and Factory Navigation Unit



1. Connect the female 8pin Molex connector of the supplied harness to the male 8pin Molex connector on the interface.
2. Transfer the white female 22pin connector of the vehicle harness from the rear of the head-unit into the male white female 22pin connector of the supplied harness
3. Plug the white female 22pin connector of the supplied harness into the male 22pin connector on the rear of the head unit.
4. Transfer the grey female 22pin connector of the vehicle harness from the rear of the head unit into the male grey female 22pin connector of the supplied harness
5. Plug the grey female 22pin connector of the supplied harness into the male 22pin connector on the rear of the head unit.

Connecting the Rear-View Camera



1. Connect the video RCA of the rear-view camera to the female RCA connector of the supplied harness

2. Connect the white cable of the supplied harness to the camera power supply (+12V max 500mA). The white cable receives power when reverse gear is engaged.

Coding the Rear-View Camera

1. Set DIP switch "2" to "OFF" position
2. Turn on ignition
3. Wait until the head-unit has booted up
4. Set DIP switch "2" to "ON" position
5. Reset the system to complete the coding operation

Activating the Rear-View Camera

The rear-view camera will turn on automatically whenever the reverse gear is engaged.



Activating Video in Motion

The video-in-motion can be activated by Dipswitch 1 or alternatively through the use of the green cable (supplied)

Video-in-motion permanent

With Dip1 set to "ON", the video-in-motion function is 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 = TV-Free is activated

0V = TV-Free is not activated

[illegible]