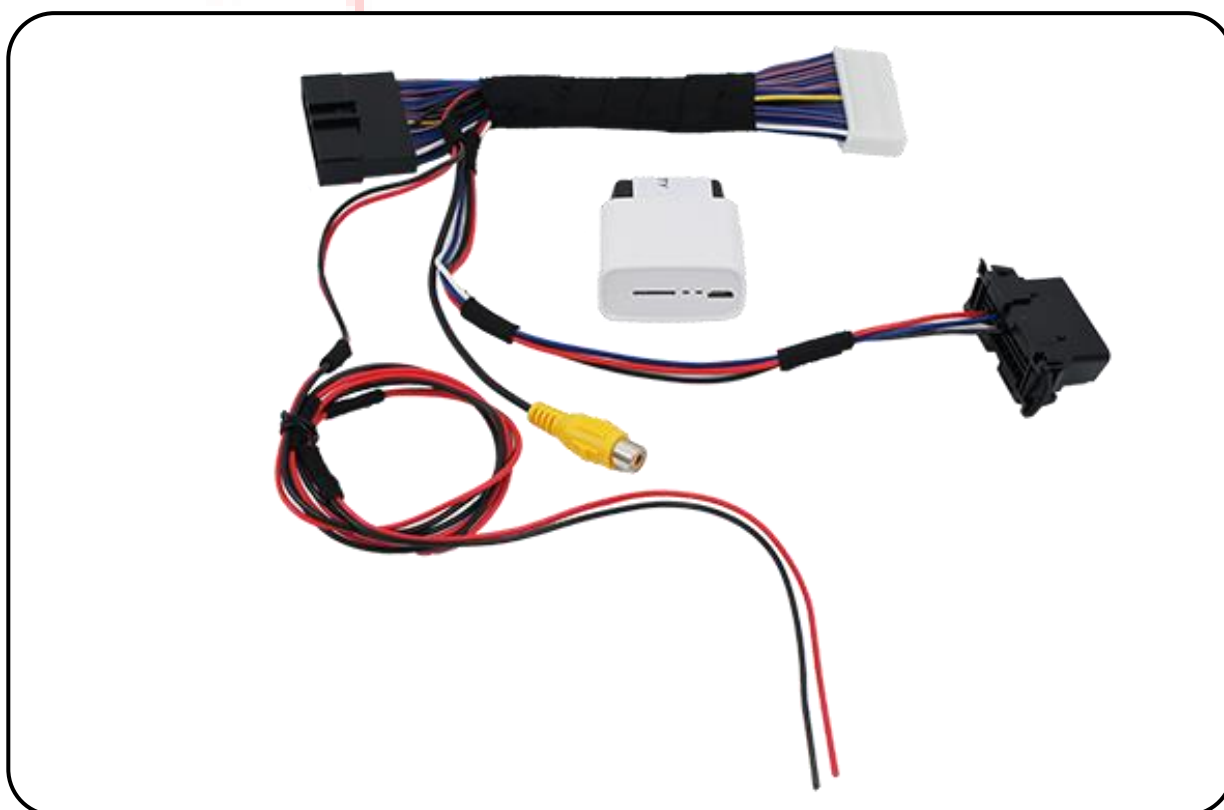


CI-OBD-ELINK-AO

Rear-view camera input activator
for NTSC cameras with RCA (CVBS)
suitable for **Renault** and **Nissan** vehicles
with EasyLink all-in-one head units
with 8inch monitor

Scope of delivery



Check compatibility with vehicle and accessories

Compatibility

Manufacturer	Compatible vehicle models	Infotainment systems
Nissan	Primastar from 08/2021, Townstar from 01/2022	EasyLink all-in-one head unit with 8inch monitor. Design with full glass front.
Renault	Express from 05/2021 <i>with at least firmware 830R</i> , Kangoo from 05/2021, Master from 04/2021, Rapid from 05/2021, Trafic from 04/2021	EasyLink all-in-one head unit with 8inch monitor. Design with full glass front.



Restrictions

Aftermarket rear view camera

Only NTSC rear view cameras with cinch connection (CVBS) are compatible. The camera must be continuous current resistant, i.e. the power supply must be via ACC and not via the reverse signal.

Renault Express

For Renault Express, the minimum firmware requirement is 830R.

Factory updates

Factory updates can delete the coding of the rear view camera. In this case, the coding must be performed again.

1 vehicle

Can only be used for one vehicle. After initial use, the activator is personalised for this vehicle. The coding can be repeated for this vehicle without limit.

Disassembly using a 2022 Renault Trafic as an example



1

Remove the upper cover of the monitor.



2

Loosen the two top screws on the monitor.



3

Carefully remove the plastic cover beneath the monitor.



4

Carefully remove the plastic cover beneath the climate control panel.



5

Carefully unclip the climate control panel and pull it forward.



6

To access the rear of the head unit, the all-in-one device must be removed.

Installation

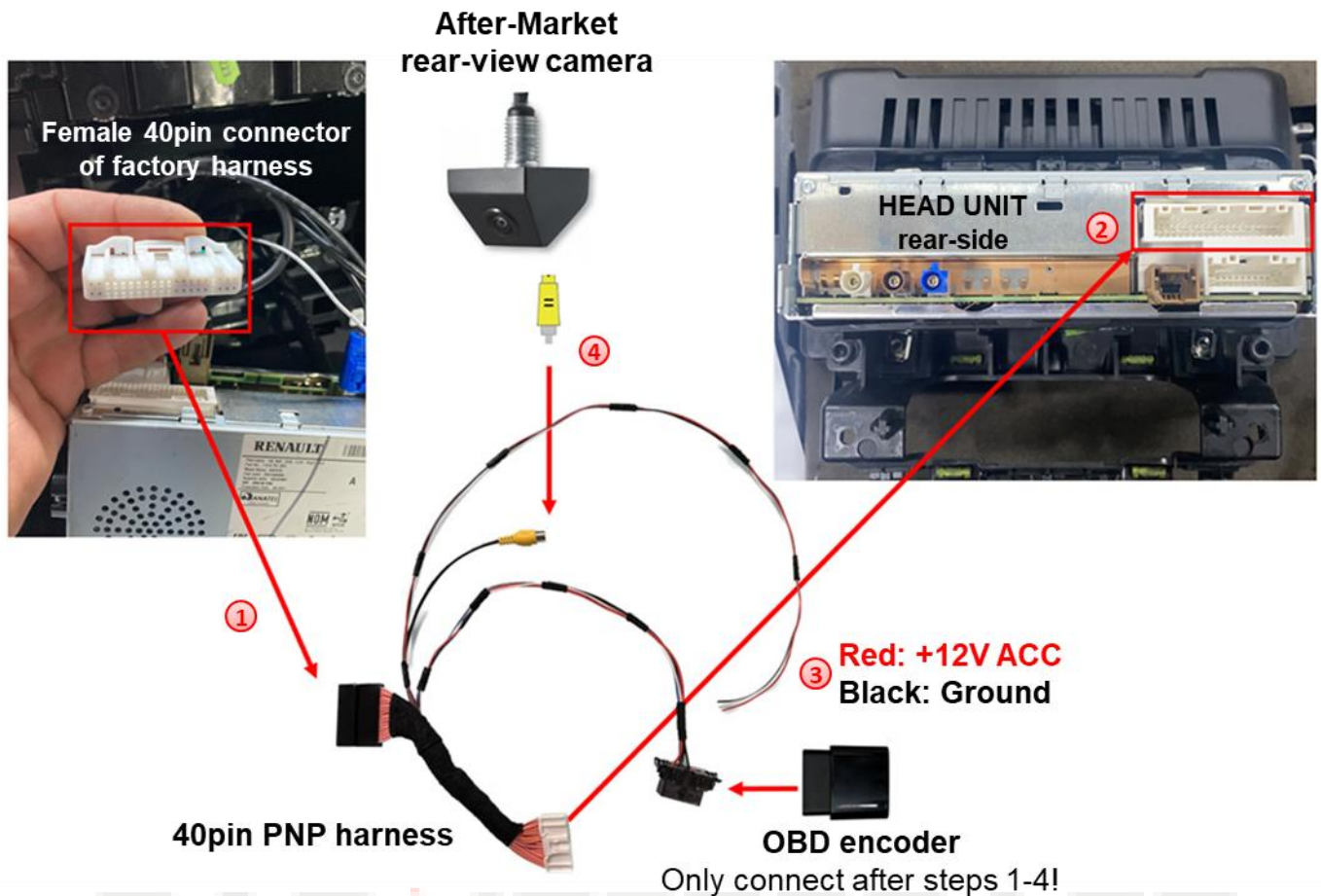
To install the PNP cable included in the scope of delivery, first switch off the ignition and disconnect the vehicle battery according to the manufacturer's specifications!

If the vehicle battery must not be disconnected according to the manufacturer's specifications, in most cases it is sufficient to put the vehicle into sleep mode. If this does not work, the vehicle battery can be disconnected with a resistance wire.



Caution: Only connect the OBD dongle after completing the following installation steps!

First, connect the 40pin PNP cable to the rear of the head unit, connect the red and black wires to the power supply, and connect the camera (temporarily).



- 1 Unplug the 40pin socket of the factory wiring harness on the back of the head unit and connect it to the 40pin plug of the supplied 40pin PNP cable.
- 2 Connect the opposite 40pin socket of the supplied 40pin PNP cable to the previously disconnected 40pin plug of the factory head unit.
- 3 Connect the black ground wire of the 40pin PNP cable to the ground (black) of the cigarette lighter plug. Connect the red +12V ACC wire of the 40pin PNP cable to +12V ACC (yellow) of the cigarette lighter plug.
- 4 Connect the video male RCA connector of the aftermarket rear view camera to the video female RCA connector of the supplied 40pin PNP cable and supply the camera with power (e.g. also at the cigarette lighter plug).



Caution: Since the rear view camera must be permanently powered with +12V via ACC, the use of a **continuous current-resistant camera** is essential, as otherwise it could be damaged.



Cigarette lighter plug

Before finally installing the camera, we recommend a test run to ensure that the following coding was successful. Incompatibilities can always occur due to production changes at the vehicle manufacturer.

Coding

- 1 Switch on the ignition and wait until the screen has fully booted up.
- 2 Connect the OBD dongle to the OBD plug of the 40pin PNP cable.
- 3 The LED on the OBD dongle flashes 5 times in succession. It flashes 3 times each.
- 4 The screen will automatically switch off and restart. Once the screen has fully restarted, the head unit will be coded to the rear view camera.
- 5 Check the coding to be on the safe side. Then **unplug** the **OBD dongle** and **disconnect** the **red and black cables from the cigarette lighter plug**. Then insulate the cables.



Caution: Ideally, the disconnected dongle should remain in the vehicle. A factory update by the dealer may delete the coding for the rear-view camera. In this case, the coding must be performed again.

Operation

Once coding is complete, the image from the rear-view camera is automatically displayed on the monitor when reverse gear is engaged.

Depending on the settings in the camera menu, the image is displayed in full-screen mode or in a split screen together with the factory PDC display (if available – see image on the right).



The head unit generates fixed and dynamic guide lines.

Specifications

Operating voltage	10.5V – 14.8V
Quiescent current	0mA
Current consumption	0mA

