

BMW CIC Retrofit Adapter

Software Version 5.00.01

User and installation manual

Revision 10 11/2015



READ THIS INSTALLTION MANUAL CAREFULLY BEFORE YOU START!

It is strongly recommended to perform this installation by using services of installer with appropriate knowledge and experience in automotive electronics. Installation should be performed with disconnected battery due to safety reasons.

2015

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Designation

1. Allowing the image on the factory monitor during movement. It allows viewing TV programs and / or connected to the AV-in video sources while driving. This option is controlled by SW0 switch (Fig 1).
2. Activation of the navigation in CIC head unit when replacing or installing the unit in another car. This option is controlled by SW1 switch (Fig 1).
3. Matching parking sensors PDC protocol with CIC head unit without changing the JBE module and factory electric wiring. This option is controlled by SW2 switch (Fig 1).
4. Matching RFK camera protocol with CIC head unit and allowing connection of third-party rear view cameras to CIC video input without external LVDS switch. This option is controlled by SW3 switch (Fig 1).

Connection

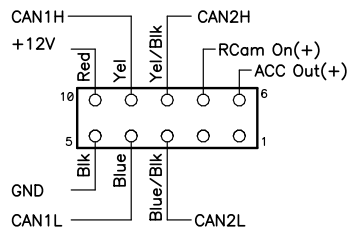


Fig 1 Design and pinout of the adapter

Table 1 Switches designation

	SW0	SW1	SW2	SW3
Open	Video In Motion Off	CIC Navi Activation Off	PDC Protocol Converter Off	RFK Protocol Converter or Protocol Emulation Off
Close	Video In Motion On	CIC Navi Activation On	PDC Protocol Converter On	RFK Protocol Converter or Protocol Emulation On

Adapter has two outputs (+12V, 1A max) - “ACC Out +”, “RCAM On +” for powering external devices. “ACC Out +” is activated when key is in ignition switch. “RCAM On +” is activated when image on head unit switches to rear view camera.

Adapter should be connected in series with head unit on CAN bus. CAN1 pair of the adapter should be connected to car side, CAN2 pair – to head unit side.

Adapter powered from +12V power network of the car.

Video output from rear view camera connected to head unit. Possible variants of video signal connection listed in table 2.

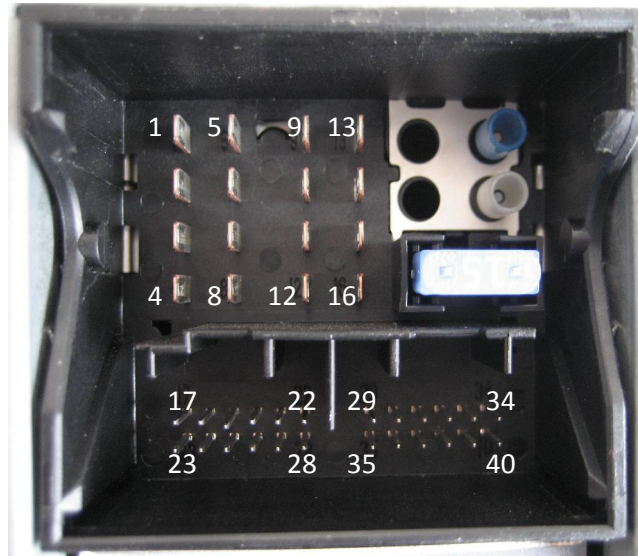


Fig 2 Pinout of the connecting plug for head unit CIC

Table 2

	VideoIn	VideoGround
Variant 1	18	28
Variant 2	19	26
Variant 3	21	24