

Installation instructions for BMW-CIC Carplay interface



BMW CIC system

The interface is connected via a connection cable with sockets. It is estimated that it takes about 45-90 minutes of work to connect the interface. No programming required.

The interface we provide uses the radio's existing microphone and AUX input. This eliminates the need to run cables to the original microphone and to the AUX port.

Because not all BMW CIC radios have the same pin assignment, it happens that the original microphone and/or AUX cannot be used. Therefore, connect the interface first without an aftermarket microphone and without an AUX cable and test for functionality.

Step 1. Disconnect the battery (optional)

It is possible that a short circuit occurs during installation and a fuse blows. Therefore, disconnect the battery first if necessary. In that case, make sure that the locks no longer work either!

Step 2. Remove the front panels (unclipping)

Using auxiliary tools, remove the panels in the order 1,2,3. These are attached with clips.

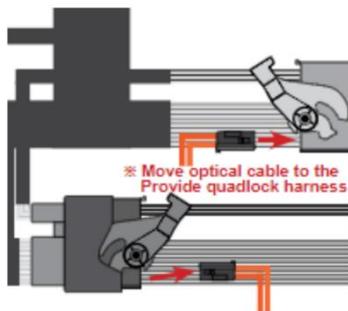


Step 3. Remove radio (unscrew)

Disconnect the plugs from the control panels and place them in a safe place. Unscrew the radio and leave it attached to the cabling.

TEST THE OPERATION FIRST!

Step 4. Connect the interface cable to the radio



oversluiten optische stekker

Unplug the large black power strip on the back of the radio and remove the integrated plug with the two optical cables (usually green or orange, 1 of which is wrapped in black). To do this, pull the lever out with a pointed object so that the plug can be pulled out. Transfer this plug to the power strip of the interface (press in) and then plug this power strip into the radio. Then connect the other power strip to the socket.

Step 6. Connect the video cable to the radio

Disconnect the video cable from the radio by pulling it off (press the tab). Replace the video cable from the interface in front of it. Connect the released plug to the socket.

Please note! In some cases, the interface must be connected to the screen instead of to the radio.

Step 7. Connect the iDrive cable

The iDrive button panel is in many cases attached with clips. In a few cases also with a screw (this is then under a clickable part). Disconnect the plugs from the panel and place them in a safe place.

Disconnect the iDrive plug and plug the interface iDrive plug back into its place. Disconnect the freed plug to the interface socket.

Step 8. Set the interface dip switches correctly

Place the dip switches on the back of the interface according to the supplied diagram or label.

Step 9. Test the operation of the interface

Connect the interface and test the operation. Switch to the interface by pressing the "BACK" button a little longer than usual. Test the system for graphics, sound (microphone and music), switching between radio and interface and reverse switching.

Click on the link below for an explanation of how the sound works.

<https://motrade.nl/data/mediablocks/draadloos.pdf>

INSTALLATION

Disconnect all cables again to be able to install it permanently.

Step 10. Prepare the Placement of the Interface

With BMW-CIC radios, there is often very little space to place the interface. If there is no space behind the radio or behind the screen, place the interface on the bottom plate of the glove compartment. You can unscrew/unclick this.

Step 11. Pair the radio

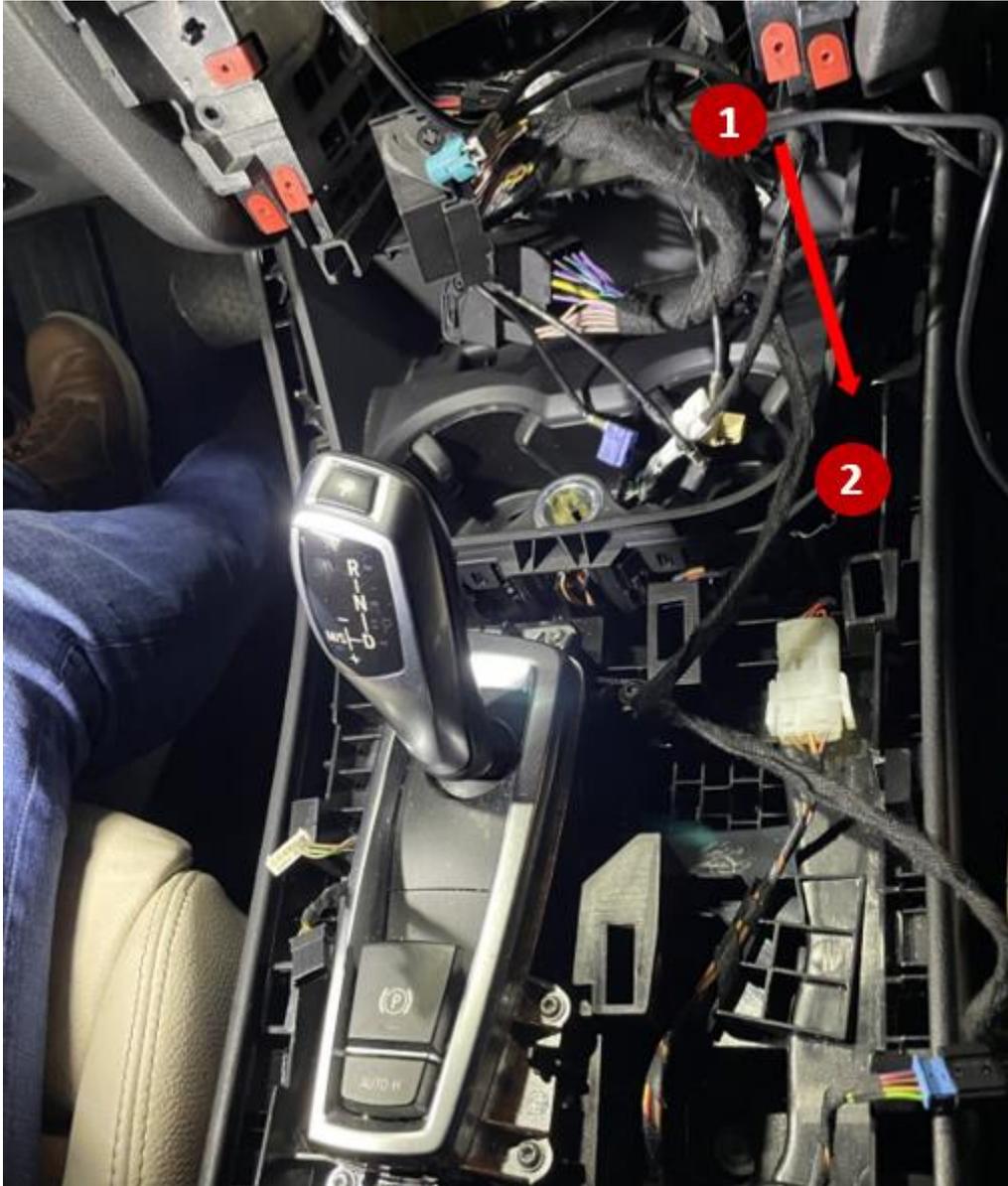
Disconnect the radio completely from the cabling to be able to run the different cables.

Step 12. iDrive cable and the AUX cable (if needed)

Depending on the type of BMW, there is more or less space to route the cables towards iDrive and AUX-IN. In the best case, there is a sufficiently large aperture. In the worst case, there is a metal plate with a cup holder in front of it (this is difficult to remove). In that case, there is a narrow gap through which the cable(s) can go down. Catch it under the cup holder with a tool and pull it forward (see 1-2). Plug the plug back into the iDrive and, if necessary, connect the AUX cable to the AUX port (pull up the rubber mat and unscrew the center console compartment).

Step 13. Interface cables

If the interface is placed on the bottom plate of the glove compartment, find a passage for the cables. In this case, too, there may be very little throughput. Using a tool, pull the video cable and the power cable towards the intended location of the interface.



Step 14. Insert the antenna (stick)

Stick the Wi-Fi antenna in a free space against the wall (not on metal).

Step 15. Position the USB cable

Determine the most desired position of the USB plug. Route the USB cable to that position.

Step 16. Connect the original microphone (if necessary)

First, check where the microphone is.

Option 1: On-site main driver



*Remove the grille from the existing microphone.
Unscrew the clip of the left sun visor to create some space for cable entry. Pull the microphone cable from the windshield to the location of the microphone.*

Option 2: At the location of the light console



*Loosen the light unit by first unscrewing the clamps of both sun visors and pulling the cover down a bit. From the rear, push the light unit out of the rebate. You can now reach the microphone.
Watch out for the light cover, it can fall down (better remove it first)*

Disconnect the 3-pin plug from the microphone and plug it into the socket of the supplied microphone cable. Then insert the 3-pin plug into the microphone. Both the original car kit and the interface now use the same original microphone.

Hide the microphone wire behind the ceiling. Fix it with a tool.

Step 17. Route the microphone cable to the left side panel

Using a tool, work the microphone cable to the A-pillar cover strip and then route it towards the left side panel of the dashboard (there are two options).

Option 1: leave the cover strip A-pillar in place



Press the microphone cable under the cover strip with a spatula without damaging it or kinking it unnecessarily.

Step 18. Rebuild the system

Test again for all functionalities and then close everything up.

Step 18. Enjoy!



Connection diagram

CONNECTION DIAGRAM

Model No.: VI-BM-CIC2

Wireless CarPlay/Android Auto integration for BMW CIC HU

