Rear-view Camera Installation Instruction
(with Front Camera support)
Rev 2.02

BEFORE YOU START

READ THE COMPLETE INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

IF YOU HAVE ANY QUESTIONS ABOUT THE USE OF THIS DEVICE, CONTACT YOUR BIMMER RETROFIT REPRESENTATIVE BEFORE USE

Installation of Rear-view Camera Retrofit should be performed by an installer with appropriate knowledge and experience. We strongly recommend using services of professional installers, experienced with BMWs, for this installation.

Battery should be disconnected prior to the installation for safety reasons. Reconnection of the battery should be done only after all electrical connections are in place.

For self-coding feature to work, your vehicle’s software must be recent (or at least from 2011).

For normal operation of PDC (if available), vehicle’s software must be recent (or at least from 2011).

This manual covers installation of the Rear View cameras of two types: Rear View Camera with Static Guidelines and Rear View Camera with Dynamic Guidelines (with front camera support). Both camera types requires very similar installation technic with just a few minor differences. Dynamic guidelines camera module also supports front camera connection.
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DEVICE OVERVIEW

Discontinued models

Rear-view camera with static guide lines

This version has control module attached to the adapter wiring

Rear View camera with dynamic guidelines and front camera support

This version has a separate control module which connects via 12 pin connector with the main wiring harness.
**Current models**

- Rear-view camera with dynamic guide lines
- Rear-view camera with dynamic guide lines and front camera
- Rear-view camera with static guide lines or no guide lines

The cameras look the same from outside, but are built and configured differently.

PNP harness for camera module and rear view camera cable
INSTALLATION OF REAR-VIEW CAMERA CONTROL MODULE

STEP 1

Remove CIC/NBT head unit (‘head unit’) from its position (but do not disconnect any of the wiring just yet). This will require you to remove some plastic trim on your dashboard and unscrew appropriate screws.

Depending on the model of your BMW, you may need to switch transmission to ‘Drive’ position, before removing the head unit (to give more space to maneuver).

We also recommend that you place some protective blanket on the center console trim, to avoid possible scratches and dents.

STEP 2

1. Locate the main power connector harness at the back of the head unit, as shown on the top left picture.

   Note that the colors of the wires connected to the harness may vary from one vehicle to another.

2. Disconnect the quad lock connector from head unit and take a quick look at it. You will need a flat screwdriver in order to remove the MOST optical connector from the main power connector harness and re-plug it into the connector on the Camera Module. Take a look at the top right picture.
WARNING! It is important to reconnect this MOST optical cable in order to avoid loss of sound and other multimedia features.

If your vehicle does not have this MOST optical connector (vehicle with no MOST and with no top HiFi Logic 7 or other high end amplifiers) then you do not need to reconnect this cable.

3. Gently pull the plastic lock on the connector using a screwdriver and pull up the two optical cables.
4. Now re-plug this optical connector into the same position on the Camera Module’s connector.

5. Now connect the Main power connector harness into the opposite end of the Camera Module’s connector.
STEP 3

Connect the Camera Module between the head unit and vehicle’s quadlock connector.

For Rear View camera with dynamic guidelines also connect 12pin connector from main wiring harness to the camera control module.

Secure control module behind the dash with use of tie-ups or other type of mounting. Ensure that control module is secured and wiring attached to it is not blocking head unit path in the dash board.

Connect rear camera and front camera (only if installed) cables to PNP harness and to camera module (for front camera).

Insert Rearview camera cable 3.5mm jack to PNP harness female connector and make sure it is fully inserted. It is recommended to apply electrical tape around connection to secure it.

Insert Front camera cable connector to camera module and push it until connector locks.

STEP 7 (OPTIONAL)
IF YOU WANT TO SIMPLIFY FUTURE FIRMWARE UPDATE OF THE CAMERA MODULE

1. Connect Micro USB cable to the Camera Module (only for Beta test or if you prefer to have easy ability to update internal module’s firmware in the future).

2. Another end of the USB cable should be passed under the dashboard and left floating outside for future use with laptop for firmware updates.

   Refer to the appropriate section of the instructions for more information on connecting USB cable to the Camera Module.

STEP 4 (RE-INSTALLING THE HEAD UNIT)

Re-install your head unit inside the dash board.

Normally at the back of the head unit tunnel in the dash board on the right or left side, there will be some sort of opening. You may use that opening to install the Camera Module. This will let you install head unit until completely, to the end of the tunnel.

Warning! Avoid installing camera module in direct contact with hot surfaces (head unit surface, vehicle heater surface, etc). Excessive temperature may damage camera module.
TEST OF CAMERA BEFORE INSTALLATION

IMPORTANT INFORMATION BEFORE YOU PROCEED TO THE NEXT STEP

It is not mandatory but HIGHLY RECOMMENDED to test your camera and make sure that it works in prior to passing all wiring in to the back and installing camera in its original place.

Assume that at this point you have your Camera module installed and connected to the head unit.
Camera wire from module is not yet passed across the vehicle in to the back.

Now it is a good moment to make a camera test.

1. Connect your camera to main adapter’s camera cable and place it somewhere near you.
   IMPORTANT: Make sure that the camera plug is inserted into the connector on the cable until the end.

   It may be a little bit hard to push it until the end but the plug of the camera should be fully inserted, otherwise camera will not work. It is strongly suggested to isolate each connector of the camera (power connector, video connector, handle connector) for better effect.

2. Temporary skip next steps and go directly to STEP11. Connect back battery terminal temporary for testing of the camera. At this time camera must be connected to vehicle.
3. Turn ignition ON-OFF-ON at least 2-3 times to allow camera module to detect your vehicle.
4. Proceed with head unit self-coding via camera adapter (see REAR VIEW CAMERA SELF CODING MODE).
5. While engine is running or ignition is on turn Reverse gear and make sure that you have actual picture from the camera on the display of the head unit. In case if front camera is also installed move iDrive controller’s knob forward and hold it for few seconds until video feed from front camera appears. If all looks okay means you have properly connected camera adapter to your head unit and your camera(s) work.
6. Disconnect battery terminal again and continue with the next steps of camera installation.

This checkup above is not mandatory but HIGHLY RECOMMENDED.
The idea of this checkup is to ensure that the video feed from the camera(s) is OKAY.
REPLACING THE TRUNK HANDLE

Remove the factory rear door (trunk) opener handle and instead of it install the new trunk handle with camera built-in.

Camera assembly has its own handle for the door (trunk). Reconnect the wire from vehicle which initially was connected to your original handle sensor to the camera handle sensor.
PASSING THE WIRES FROM THE TRUNK HANDLE TO HEADUNIT

There is no right or wrong way to pass the wiring – it depends on installer’s personal preference and experience. Here is a brief description of how one of our technicians prefers to do the installation.

1. Camera cable has two connectors at one end and a single connector at the other end. It would be very easy to pass the cable starting from the back and returning to the front of the vehicle.

2. Remove top lining of the trunk in order to pass wiring in an inconspicuous way all the way to the trunk handle.
3. Once you get the trunk handle, just connect the cable to the connectors on the camera, built into the trunk handle.

**IMPORTANT:** Connect both yellow and red connectors to the camera cable. It is strongly recommended to secure each connector with electrical tape and with tie-ups to the trunk body to protect it from vibration and humidity.

4. Pass the small connector on camera cable through the rubber flexible sealant/hose in the trunk. It has to be passed in the direction from the camera (trunk) to the front of the vehicle (inside of the salon). **You will need to pass complete cable through the flexible sealant/hose.**

5. After you pass the cable all the way to the back seat, you need to fold down the back seats and to remove the corner pillow.
6. Then pass the cable to the opposite side of the vehicle, along the back seat.

7. Pass the cable along the vehicle side all way to the dash board. Pass under the dash board and get connector plugged in to the appropriate camera connector on the PNP cable.

IMPORTANT: HEAD UNIT MAY REQUIRE ADDITIONAL CODING FOR THE CAMERA TO WORK (SEE STEP 13 OF THIS INSTRUCTION MANUAL)
FRONT CAMERA INSTALLATION

Front camera can be installed on the front bumper. Use any opening in the bumper with sufficient space to install camera. It is not recommended to install camera very low as it may be easily damaged. Secure camera mount with two screws to plastic of the bumper.

Pass front camera cable through front vehicle’s firewall and reach with cable to camera connectors. Connect both yellow and red connectors. Apply electrical tape around connectors to secure them and avoid water to be in contact with metal parts of the connectors.

Use tie-ups to secure the wiring to vehicle’s bumper grill. Any other way of securing wires can also be used.

**Warning:** Avoid routing camera cable under the hood in any areas where direct heat with excessive temperature is produced as it may damage the cable.

**Make sure that camera cable under the hood is routed via designated for wiring areas along with other cables (lights, sensors, etc cables).**

After camera is installed it is required to adjust its horizon. Simply unscrew the camera a little and adjust it by viewing the live feed from the camera (this task may require two people) and rotating camera in its mount across the axel. Once horizon is adjusted screw and tied up the camera back in mount.
IF YOU PURCHASED REAR-VIEW CAMERA TOGETHER OUR CIC/NBT RETROFIT and IF YOUR VEHICLE IS EQUIPPED WITH DVD CHANGER and/or TV MODULE

If your camera is purchased together with the CIC/NBT kit from us, and your vehicle is equipped with the DVD changer or TV module, you may need to re-pin some connectors in order to retain other functionality, such as DVD changer or TV. Additional instructions will be provided with the CIC/NBT kit for this case.

In case if camera is purchased separately (without CIC/NBT kit) there is no need to perform any additional re-pinning of the connectors.

CONNECTING MICRO USB CABLE FOR FUTURE FIRMWARE UPDATES OF CAMERA MODULE

If this is a beta test install or if you want to simplify any future firmware updates for the Camera Module, we strongly suggest to connect USB cable to the Camera Module and pass the other end to the outside of the dashboard for further firmware update needs. This step will ensure that you will not need to disassemble dashboard every time that new firmware update is released.

When installing Camera Module (with USB cable connected) at the back of the head unit, please be careful as you may accidentally break USB connector inside of the Camera Module. Make sure that the USB cable is angled at 90° to the Camera Module and/or that no obstacles are pushing on the USB connector, which may cause USB plug to break inside of the Camera Module. Simply use common sense when installing Camera Module under the dash.

IS CODING REQUIRED IN YOUR CASE?

If your camera is purchased together with the CIC/NBT kit, its functionality should already be coded by BIMMER RETROFIT into the headunit. There is no need for additional camera coding, unless otherwise is stated by seller.
In case if your camera is purchased separately, additional coding is required in order to activate rear-view camera. This coding is done for your head unit which must be configured to accept camera.

Your rear-view camera is self-coding. This means the camera module has a built-in coding feature, and the camera can code head unit since it is directly connected with it.

**WARNING:** Self coding is available **ONLY** for E series head units.

For F series CIC head units remote coding is required.

For F series NBT head units software coding solution via USB will be provided.

**IMPORTANT:** See next sections for instructions on how to use the self-coding feature.

**CAMERA MODULE CONFIGURATION MONTES SELECTION**

1. Your Camera Module has a built-in logic which allows you to perform configuration using the iDrive controller of your vehicle. Clock in the head unit is used for results output and for interaction. This configuration mode is called iClick Mode.

2. In order to switch your Camera Module to the configuration mode, you have to make sure that your head unit is turned on and you can see Main Menu on the display.

3. There are two methods of configuring your camera control module – via iClick technology or via separate free PC utility by connecting your PC via USB cable to camera module. Below we provide instructions for camera configuring via iClick technology. Description of camera configuring via PC utility described at the end of this manual.

4. Configuration can be performed using iDrive controller rotation clicks. To select any desired function, you need to enter the 3 digit code value, associated with the desired function. A list of available functions and associated 3 digit codes are provided in the next section.

   Below it is explained how you can enter this 3 digit value using the iDrive controller:
   a. For example we need to select option called: Video in Motion (VIM) activation or deactivation. Code 3-1-2 is assigned to this function.
b. Press ‘Menu’ button and hold it for approximately 7 seconds. While holding the button down keep an eye on the clock in the head unit. As soon as you see time 0:00, that means you have entered the configuration mode. (If your system set to AM/PM time you will see 12:00 instead of 0:00)

c. Now rotate your iDrive controller clockwise (to the right) very slowly – one click by one – and watch your clock on head unit display. You will see that as you turn the iDrive controller to the right, hours increase from 0 to 5 with each click (0:00 \(\rightarrow\) 1:00 \(\rightarrow\) .... \(\rightarrow\) 5:00). You need to make the ‘hour’ value equal to 3 (since our VIM option code is 3-1-2 and first number is 3). The clock on the display should display 3:00.

d. Now rotate your iDrive controller counter-clockwise (to the left) very slowly – just for 1 click. You will see that the second value on the clock (minutes) will become 1 (3:00 \(\rightarrow\) 3:10) Now you have selected second number from VIM option code which is 3-1-2.

e. Now rotate your iDrive controller clockwise (to the right) very slowly – one click by one – and watch your clock on head unit display. Once you turned the iDrive controller to the right for 2 clicks, you will see that you the third value on the clock (minutes) will increase from 0 value to 2 (3:10 \(\rightarrow\) 3:11 \(\rightarrow\) 3:12). Once you see that the value on the clock of head unit matches the VIM option code 3-1-2 (on display it should be 3:12) you are done with selection.

f. Now you have to push the iDrive controller know down and hold it for a little bit more than a second, until you see the value 11:00 or 11:01 or --:-- (for camera self coding mode values are 03:03 or 10:10. Pls see in appropriate section of manual)

g. These values may show up only for a second or two and disappear after. Value 11:00 means that the option which you just choose is Deactivated (00 in minutes value means Turned OFF). Value 11:01 means that the option which you just selected is Activated (01 in minutes value means Turned ON). This is true when you select the options which can be left ON or OFF for long period of time. Video In Motion option can be kept ON or OFF for any amount of time. However if the option which you choose is a service option (for example Firmware Update) you may see the message like: --:-- instead of 11:00 or 11:01

h. In case if during selection of the option code, you jumped over the desired value you may easily reset to 0:00. Simply rotate iDrive controller to the left until you see 0:00 in clock of the NBT display. (If your system set to AM/PM time you will see 12:00 instead of 0:00)

i. In order to return back to the normal mode without selecting any option, push down iDrive knob while selecting code 0:00 which means: No option selected.
**EXAMPLE: DESIRED OPTION CODE IS 4-3-4 (DEMO PURPOSE ONLY)**

1. Push and hold ‘Menu’ button for aprox. 7 seconds

2. Once you see 0:00 time in head unit you entered configuration mode.  
   *(If your system set to AM/PM time you will see 12:00 instead of 0:00)*

3. Rotate click by click iDrive controller to the right (clockwise) until you see the time as:  
   **4:00**

4. Now rotate iDrive controller to the left (counter clockwise) until you see the time as:  
   **4:30**
5. At last rotate iDrive controller to the right again (clockwise) until you see the time as: **4:34**

6. Now push and hold iDrive controller knob down for approximately 1-2 seconds until you see --:-- appeared instead of time.

7. Your option has been selected. Normal time information will be available on the display within 1 minute.

   If you selected some option which can be either Disabled or Enabled you may also see the confirmation message as: 11:00 (Disabled) or 11:01 (Enabled).
Available configuration option codes for the Camera Mode
(this list is constantly updated with new features)

**Service modes:**
4-3-3 Firmware Update Mode
5-5-4 Camera Module Reboot
5-5-3 Coding of the OSD mode (only for Dynamic Lines adapters)
**5-5-1 Camera Self Coding Mode** - Use this mode to code your head unit for camera
5-5-5 Camera operation mode (Automatic/Manual) - **Do not change this mode unless instructed by BR**
4-3-4 Factory Default Settings - **Always apply this mode if you plan to change global settings**
4-3-5 Send current settings to USB VCOM
2-4-3 Front Camera Installed/Not Installed – **This describes if front camera is installed with the system**

**Operation modes:**
5-1-1 Nav and Voice Activation
5-1-2 Video in Motion activation
5-1-3 Manual camera controls via iDrive controller
5-1-4 Block CAN ID:3AF from PDC to CIC – **not used and will become obsolete**

**Firmware Update Mode** – used to update firmware in the Camera Module. Detailed description of the update process is provided at the end of this document.
**Factory Default Settings** – set all settings to factory defaults.
**Camera Module Reboot** – reboots internal processor of the camera module
**Send current settings to USB VCOM** – sends current settings in to VCOM USB port. Please note that you should have USB cable connected to your computer and some terminal emulation software running.
Port settings: 115200 8N1

**Nav and Voice Activation** – activates/deactivates Navigation and Voice activation in camera module
**Video in Motion activation** – turn ON or OFF video in motion speed signal filter in the camera module
**Manual camera controls via iDrive controller** – Allows camera to be turned on or off by iDrive controller. This option is always ON by default.
**Block CAN ID:3AF from PDC to CIC** – required only for new models of vehicles.
**Camera Self coding mode** – Codes HU to let camera to be used
**Camera Operation mode** – Switch camera operation modes (described below)

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**REAR VIEW CAMERA SELF CODING MODE**

It is important to make sure that your headunit software is recent or at least 2011 or newer. In case if you are unsure it is better to visit your local dealer or another authorized shop for the software version check and update procedure if required.
1. Following the instructions above select **Camera Self Coding Mode (5-5-1)** from the available iClick options. After pushing down the iDrive knob you must see **03:03** in time display of your head unit. This means that coding was correctly started.

   In case if you see **10:10** in time display of your head unit means that coding failed and:

   - your camera module is in Automatic mode and you have not turned ON-OFF-ON ignition at least two-three times after module was installed and connected
   - OR
   - your camera module is in Manual mode and you have not selected proper Vehicle Specific Mode.

   **Fix the issue and repeat complete step again!**

2. As soon as coding started you will notice that the Telephone menu on the CIC becomes grey for some time and after that iDrive controller become unresponsive for the entire duration of the coding. Also some warning messages may show up on the display depending on the vehicle’s configuration. This is normal behavior during the coding process. Do not interrupt or switch off the headunit.

3. After approximately 10-25 seconds, your headunit will reboot. Once you see that display reboots, this means that the coding is completed. You may now test your camera or continue installation if not yet finished with the the installation of the hardware.

   **There is no need to repeat self coding again if succeeded, unless the head unit has been recoded or reprogrammed for any reason using dealer’s software.**

   It is important to keep ignition on and to not disconnect head unit or Camera Module during coding procedure.

   Reboot of the head unit is a confirmation of a successful coding. If the head unit does not reboot, it means that the coding has not finished successfully for some reason. Indication of the time as described above will also indicate the status of the coding.

   In some cases you may push Volume knob down for at least 30 seconds (MUTE button) and after that your head unit will reboot.

   **In case if camera not work after coding you will need remote coding over the internet to be done by one of our specialists. For that you will need to have a USB K+DCAN cable. This is very unlikely case if your head unit complies with minimum required software version and installation is properly done.**
Camera Module Utility installation and use

1. PC utility and driver can be used with Windows7, Windows8 or Windows10.
2. Installation of .NET Framework 4.5 is required for proper operation of the utility.
3. Connect USB cable from Camera module to PC. As soon as your Windows
4. Install attached with the pack driver for the newly appeared USB device. For Windows 10
   driver installation is not required as the driver will be installed automatically.
5. In your PC new Serial Port device under Ports will appear. Write down number of the COM
   port device which appeared in your system.
6. Start utility program included in the pack.

1. Select COM port of Camera adapter which appeared in your system and click Connect button.
2. Utility should report about successful connection and Connect button should become green.
3. Click Read Settings button to see current adapter settings.
4. When you need to disconnect from the adapter click **Online/Connect** button again. Utility will disconnect from the adapter.

5. Button **Factory Defaults** will place adapter in Factory defaults mode.

6. Button **FDL defaults** will code to head unit (CIC type) basic settings such as: Removal of Legal disclaimer and Video in Motion.

7. Button **Clear** will clean up display of the utility.

8. Under **Options selection** drop down list you may select various options. Button **Run Task** will run selected task.

9. **Options selection** tasks:

   - **Firmware Update mode** – switch adapter to firmware update mode
   - **Read Current settings** – reads current adapter settings and show them on display
   - **Reset factory defaults** – Reset module to factory defaults
   - **Operation modes switch** – toggle adapter mode between Manual and Automatic modes
   - **HU FDL camera coding** – code head unit (CIC) to operate with camera
   - **HU OSD mode coding** – code head unit (CIC) to operate with OSD menu built in camera
   - **CAN Speeds** – sets CAN speeds for adapter operation. Set by manufacturer.
**Bimmer Retrofit Installation Instruction**

**BR Rear Camera mode** – Describes if rear camera is connected (must be always ON)

**BR Front Camera mode** – Describes if front camera is connected.

*Other modes also can be switched (ON/OFF) using this drop down menu.*

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**BUILT IN OSD MENU OPERATION**

1. **Camera module with dynamic lines** comes with built in OSD menu. Depends on the version of the camera and firmware type additional information can be shown on head unit display. Vehicle live data or external sensor values can be shown on display of head unit.

2. For OSD menu activation installer initially has to perform **Coding of the OSD mode** task via iClick or via PC utility (**HU OSD mode coding**). This has to be done once during adapter and head unit configuration.

3. OSD mode can be activated by long (3-5 seconds) press on ‘Options’ button on iDrive controller. When OSD menu is activated you will see it shown on display of head unit (see below).

4. Menus shown in picture below may be different from the ones in your adapter. This depends on the firmware version and adapter model.
5. Navigation through the menus can be done using iDrive controller by spinning idrive knob and selecting desired menu by pushing idrive know down.

6. To return to previous menu use ‘Back’ button. To exit use ‘Menu’ button

**FIRMWARE UPDATE MODE FOR CAMERA MODULE**

Remove your headunit and get access to the Camera Module. Do not disconnect adapter from headunit or from vehicle wiring. Plug micro USB cable into the slot on the adapter. Whenever firmware update procedure is required please follow the following steps:

1. Following previously described procedure enter to the mode:

   **4-3-3 Firmware Update Mode**

   Use iDrive controller to enter this mode.

   Once headunit display switches off and then switches back on, you will see that your headunit’s clock start to show the time counting from 0:00 to 23:23 nonstop. This confirms that you entered Firmware Update Mode for the Camera Module.

2. Connect USB cable to your Windows based laptop (sorry Mac owners, we do not yet support you).

3. Make sure that you have received new firmware update file from manufacturer.

4. Open File Explorer. You will see that new disk drive appeared in the system.
1. Open newly appeared drive. You will see there is a file: `firmware.bin`

2. Delete this file from the drive.

3. Copy new firmware update file from your computer to the newly appeared disk drive.
   
   You should have **only one!** file on this drive now. Firmware update file may have a name different from `firmware.bin` Usually firmware update file has a name which includes firmware version, however the file extension should be `.bin`

4. Push iDrive controller knob down for at least 1-2 seconds. You will see that the display reboots once again. Your time information on the display will return to normal shortly. You are now exited the firmware update mode and returned to normal operation mode.

   It is important not to interrupt process of file copying during the firmware update. Also it is important to make sure that you copied the correct firmware update file, received from the manufacturer to your Camera module. If the firmware update file which you received from manufacturer is in `.zip` or `.rar` archive format, please un-archive it first before copying to the Camera Module. You should copy to Camera Module only firmware update file and not any other files.
MANUAL FIRMWARE UPDATE MODE FOR THE CAMERA MODULE

If for any reason your firmware update is not successful using the method above and your module can no longer enter the firmware update mode, you can use the Manual firmware update method described below.

For the software update of the Camera Module you will need to have the following:

1. Micro USB to USB adapter cable
2. Standard pen or pencil
3. Computer with at least one USB port available and Windows or iOS systems installed

In order to perform the firmware update, following the steps:

1. Disconnect!!! and remove camera module from your vehicle.

   Warning! It is strongly recommended NOT to connect the Camera Module to your PC via USB cable while Camera Module is still connected to the vehicle because this will 100% cause fatal damage to your USB ports and to your computer.

2. Plug USB cable to your Camera Module. There is a small Micro USB connector on the side of the module.

3. Take a pen or pencil and use it to gently press a small button located on the side of the Camera Module, in the hole. Please do not push hard as it may damage the button.
4. While holding the button down, connect another end of the USB cable to your PC’s USB port.

5. After short time you will see that new drive (G:) appeared under My Computer. This drive will have a name: CRP1 ENABLE.

In your case it will most probably have a different letter (D:, E:, F:, etc.)

6. Newly appeared drive will contain a single file called: firmware.bin
7. Delete this file (firmware.bin) completely from the drive.
8. Copy new software update file which you received from us onto the drive G:
9. Once the file is copied disconnect USB cable from your computer.
10. Disconnect USB cable from camera module and install module back to your vehicle.
11. Software update is now completed.
Front and Rear Camera controls via iDrive controller

This rearview camera and front view camera integrate with the iDrive.

This means that when you engage the R reverse the camera will automatically turn on. However once you switch back to D (Drive) camera will stay on until you drive with certain speed (default value 12km/h). If you switch to P (Park) camera will switch off immediately.

Whenever R Reverse is engaged and rear camera image is on display you may move iDrive controller forward for 2-3 sec and front camera image will appear. Moving iDrive controller backwards will switch rear view camera back on display.

Furthermore, our rearview camera retrofit offers you additional features:

1. You can turn the rear or front camera on by pushing the iDrive controller back and holding it for 2-3 seconds. This allows you to get the camera image even when the vehicle is moving forward or is parked or is in neutral*.

2. Moving iDrive forward will bring front camera and moving iDrive backwards will bring rear camera on display.

3. You can turn off the camera by pressing and holding the BACK button on the iDrive controller for 2-3 seconds or pressing any other button on iDrive.

For all questions or other inquiries please contact us at: info@bimmerretrofit.com
or visit: www.bimmerretrofit.com

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