

A New Era in BMW Coding and Retrofitting



iClick Technology is a new and unique concept in BMW retrofits world, which allows to instantly enable and disable various features or options using iDrive controller, without any special tools or software. It is very easy to use and does not require any technical knowledge. This information will be useful to anyone who is considering doing a BMW retrofit (CIC navigation system, NBT navigation system, rear-view camera, PDC or others).

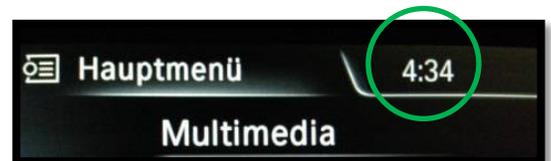
Introduction:

iClick Technology is a new type of coding process which is now included in all of our Retrofit Adapters by default. Simple combination of iDrive controller turns and clicks can enable or disable various coding options instantly. This new iClick Technology does not require any coding knowledge, coding specialists or remote coding. Most importantly, the new iClick Technology removes the need of extra expenses after visits to the BMW dealer (which can wipe out the coding that was previously done).

How iClick Technology Works:

Retrofit Adapter has a built-in logic which allows the user to perform configuration of the vehicle using the iDrive controller.

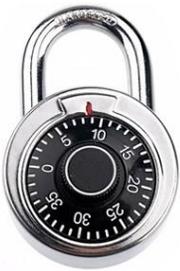
Clock on the monitor is used for results output and for interaction during the configuration process. This configuration mode is called iClick Mode.



To begin configuration, user must switch the Retrofit Adapter to the iClick Mode by pressing the 'MENU' button and holding it for ~7 seconds, and then selecting the desired coding option/feature by entering a 3 digit code, associated with the desired option/feature.

A list of all available options/features and associated 3 digit codes are provided at the end of this document (this list is constantly updated. Latest list can be obtained from Bimmer Retrofit at info@bimmerretrofit.com - specify your name, date of purchase and invoice number).

While holding the 'MENU' button down, keep an eye on the clock on the monitor. As soon as you see time '0:00', that means you have entered the iClick Mode.



The next step is to select the desired option, by entering the associated 3-digit code, in much the same way as you select a code on a combination lock.

For example, your desired option is 'Factory Default Settings'. The associated 3-digit code is 4-3-4. You will need to rotate the iDrive controller to the "RIGHT-LEFT-RIGHT" to change the value of the clock from 0:00 to 4:34.



And that's all it takes to enable/disable or activate the desired feature!



Advantages of Retrofit Modules, equipped with iClick Technology:

There are many advantages to using our Retrofit Modules, equipped with iClick Technology compared to conventional Retrofit Modules. The two main advantages are:

- Ability to select desired configuration of the vehicle;
- Ability to enable/disable various options;
- Ability to perform firmware update of the module in quick and efficient manner.

These features significantly simplify the retrofits and take simple CIC/NBT/Rear-view camera retrofits to the next level!

Available 3-digit configuration codes for the Retrofit Modules (as of 05/01/2014*)

Service modes:

- 4-3-3 Firmware Update Mode
- 5-5-4 PNP Module Reboot
- 5-5-1 Self Coding Mode
- 4-3-4 Factory Default Settings
- 4-3-5 Send current settings to USB VCOM

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

Vehicle specific modes: (Only one vehicle specific mode can be selected per time)

- 5-2-1 PDC Conversion for E7x series (pre-LCI only)
- 5-2-2 PDC and RFK for E7x series (pre-LCI with factory RFK camera only)
- 5-2-3 E8x/E9x Rear View Camera for Automatic Transmission with PDC option
- 5-2-4 E8x/E9x Rear View Camera for Automatic Transmission with no-PDC option
- 5-2-5 E7x pre_LCI Rear View Camera for Automatic Transmission with no-PDC option
- 5-3-1 E7x LCI Rear View Camera based on Reverse Light
- 5-3-2 E7x LCI Rear View Camera based on Shifter position
- 5-3-3 E8x/E9x Rear View Camera for Manual Transmission with no-PDC option
- 5-3-4 E6x Rear View Camera for Automatic Transmission
- 5-3-5 E6x Rear View Camera for Automatic Transmission based on Reverse Light
- 5-4-1 E6x Rear View Camera for Manual Transmission

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.
PNP Module Reboot	reboots internal processor of the PNP 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 or deactivates Navigation and Voice activation in PNP module
Video in Motion activation	turn 'ON' or 'OFF' video in motion speed signal filter in the PNP 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.
Vehicle specific modes	refers to the model of the vehicle where camera is installed. Mode should be selected after camera is installed. After vehicle mode is selected you can perform camera coding to the headunit. Simply choose the mode which is more suitable for your vehicle and its model. Camera may function correctly in more than one mode, this is normal.

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