

# GEN: Gateway enabler tool for Gateway 500 MOST BMW

## User Manual

v1.0



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## 1 Introduction

### Introduction

The Dension Gateway Enabler tool (GEN tool) provides a quick and easy tool to help the installation of a respective Dension Gateway product for BMW vehicles with MOST system.

The proper functioning of the Gateway product requires that certain protocols in the car radio are enabled, which is not necessarily the case in all BMW vehicles. Enabling these protocols normally requires the car diagnostics tool of a BMW specialised workshop.

The GEN tool provides only the specific enabling/disabling diagnostics function without any other capabilities, which makes it a small and available device to help the installation/removal of the Gateway product.

### Important note

When using the GEN tool for enabling, it gets linked to the specific Dension Gateway and the car it is installed to. Therefore:

- The Gateway has to be installed to the system before using the GEN tool.
- You cannot enable multiple cars with a single GEN tool.
- Keep the GEN tool with the owner of the Gateway as it may be needed in the future (e.g. when moving the Gateway to a different vehicle).

If the Dension gateway functions without using the GEN tool, please do not use the GEN tool.

The compatibility of the GEN tool may differ from the compatibility of the Gateway product. Please check the corresponding compatibility tables.

## 2 Compatibility

The GEN tool is compatible with the following vehicles:

<b>1 Series</b> E81, E82, E87, E88	NON i-Drive, Professional
	i-Drive, Business (M-ASK, 6.5", single slot)
	i-Drive, Professional (CCC, 8.8", dual slot)
<b>3 Series</b> E90, E91, E92, E93	NON i-Drive, Professional
	i-Drive, Business (M-ASK, 6.5", single slot)
	i-Drive, Professional (CCC, 8.8", dual slot)
<b>5 Series</b> E60, E61	iDrive 4, Professional (CIC, 8.8", dual slot )
	i-Drive, Business (M-ASK, 6.5", single slot)
<b>6 Series</b> E63/E64	i-Drive, Professional (CCC, 8.8", dual slot)
	i-Drive, Business (M-ASK, 6.5", single slot)
<b>X5</b> E70	i-Drive, Professional (CCC, 8.8", dual slot)
	i-Drive, Business (M-ASK, 6.5", single slot)

### 3 Getting Started

First install the Gateway 500 according to the installation manual. It is recommended that the installation and using the GEN tool is performed by a professional installer.

#### Using the GEN Tool

Please make sure the Gateway 500 is in Gateway mode. Turn the ignition ON and connect the GEN tool to the OBD 2 diagnostic connector. The enabling procedure starts automatically and immediately and it takes approx. 20-30 seconds. During the enabling procedure the status signal LED on the GEN tool is flashing alternating Green and Red. When the enabling procedure is finished successfully the LED will turn to permanent green.

After the successful enabling the Audio system will restart. Do not remove the GEN tool before the restart of the audio system.

The GEN tool is capable of enabling almost all BMW vehicles with a MOST optical system, (see the compatibility table above). However, there may be very specific vehicle configurations and set-ups where the GEN tool is not operational and the enabling procedure cannot be completed. In such cases the LED on the GEN tool turns RED at the end of the enabling procedure.

If the LED is blinking RED, please check the GEN tool connection and make sure the ignition is turned ON.

If the problem still persists please contact your local supplier or open a support ticket at [www.dension.com](http://www.dension.com).

### 4 Servicing Your Vehicle

Vehicles with a MOST optical communication network have complex system management capabilities, and servicing may involve using a diagnostic computer. To avoid conflict with such diagnostics devices, Dension recommends disabling the previously activated functions.

#### How to disable

First set the mode selector switch on the Gateway Connector Port to service /bypass mode. Turn the ignition ON and connect the GEN tool to the OBD 2 diagnostic connector. The disabling procedure starts immediately and takes approx. 20-30 seconds. During the enabling procedure the status signal LED on the GEN tool is flashing alternating Green and Red. When the disabling procedure is finished the LED will turn to permanent green.

After the successful enabling the Audio system will restart. Do not remove the GEN tool before the restart of the audio system.

#### Association of the GEN Tool, the Gateway and the Vehicle

The GEN tool is delivered in a ready-to-enable state, which means that when plugging the GEN tool in to a vehicle with a gateway installed properly it will perform the enabling process automatically. At the same time it also associates to the specific vehicle and gateway.

If a GEN tool has already been associated to a vehicle and a Gateway product, it means it is in a ready-to-disable status. This means that when plugging a GEN tool in to the vehicle it is associated with it will perform the disabling process. After the successful disabling process the GEN tool will clear its associations and return to a ready-to-enable state.

If a GEN tool is in ready-to-disable status and plugged in to a different vehicle than the one it is associated to it does not perform any action and remains in ready-to-disable.

If the Gateway has been removed without disabling the vehicle, the associated GEN tool in ready-to-disable mode can still disable the vehicle and change to ready-to-enable mode.

### 5 Disclaimer and Warranty

#### Disclaimer

The GEN tool does not have all vehicle diagnostics and configuration functions that are available in other diagnostics tools. It is meant to help gateway installations only and to work on the big majority of the BMW vehicles with MOST systems where the respective Dension Gateway product is functional.

Despite all efforts and several tests Dension and its authorised distributors and retailers cannot guarantee for all vehicles that by using the GEN tool there is no need for enabling with a professional diagnostics tool.

The GEN tool can in many cases replace the enabling functions of a professional diagnostics tool, but in no way replaces the professional skills of a trained installer.

If your car's electrical system begins to behave erratically, please disconnect the GEN tool and the Gateway interface physically immediately and have it checked by your installer. Dension and its authorised distributors and retailers are not liable for any incidental consequential or indirect damages or loss and do not assume liability for any diagnostic fees.

Dension reserves the right to modify its products or specifications without prior notice.

#### Warranty

Dension devices carry a one-year limited warranty that protects you from defects in material and workmanship of products sold by Dension or its authorized distributors and retailers. Dension does not warrant any installation work or assume liability for any damage caused due to negligence, improper installation or operation. For warranty claims, proof of purchase is required.

#### Further Assistance

If you need further assistance in using your Dension Gateway, please contact your local supplier or visit [www.dension.com](http://www.dension.com) and click on 'Support'.