

How to connect OBD II Bluetooth® Dongle to FMB device

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Disclaimer



If you are not using Bluetooth®, **please consider turning it off** or **change Bluetooth® PIN** to remove potential risks.

If you are using Bluetooth® we strongly recommend **using AES encryption** for enhanced security.

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Solution applies for these FM devices

[FMB900](#) [FMB920](#) [FMB110](#) [FMB120](#) [FMB122](#) [FMB125](#) [FMB202](#) [FMB204](#) [FMB962](#) [FMB964](#) [FMT100](#)
[FMM125](#) [FMM130](#) [FMU125](#) [FMU130](#) [FMC125](#) [FMC130](#) [FMB910](#) [FMC920](#) [FMM920](#) [FMB130](#)
[FMB140](#) [FMB230](#) [FMB225](#) [FMC230](#) [FMM230](#)

Bluetooth® settings configuration



The following are the instructions on how to easily prepare a Bluetooth® Dongle connection to the FMB device. First, we need to configure FMB device Bluetooth® settings. These are the required steps:

- Go to **Bluetooth®** section similarly to as shown in the figure to the right (position 1).
- Turn on BT Radio by pressing **Enable (visible)** (position 2). "Local name" (position 3) will automatically be "FMB1YX_last 7 imei digits", you can leave it or type your own name.
- Set *Security Mode* (position 4) to **PIN only** or **None** (you could select **PIN + MAC list** or **MAC list only** security mode but in this case you need to type external device MAC address in *Authorized Devices MAC List* (position 7)).

- Set connection mode to **OBDII** (position 5).
- Set *External Name* as your Bluetooth® OBD II device name for proper device identification and connection to it. In this example the OBDII device name is "DONGLE", at least 2 characters are needed to recognize it and connect to it. For better and faster adapter identification in the network, you could enter a full device name. You could check your OBDII adapter Bluetooth® name by scanning nearby Bluetooth® devices using a mobile phone or a computer with a Bluetooth® adapter.
- Go to **OBD II** in main menu and select priority and others parameters visible in the following figure.



- After all these steps press **Save to device** to save configuration (position 8 in the top right hand figure).
- Now you can disconnect FMB device from the configurator.

Connecting to Bluetooth® OBD II dongle

After this configuration OBDII dongle can be connected to FMB device. Turn on the ignition, then turn on its Bluetooth® connection. For pairing follow dongle instructions. OBDII device notification about paired Bluetooth® connection depends on the specific model. If you later restart FMB device it will automatically reconnect to this dongle.

Supported Bluetooth® OBD II dongles

FMB module works with Bluetooth® OBD II dongles which are based on ELM327 or STN1110 chips. Comparison of these chips is presented in the image below:

