



Bin Mapping

2022-03-31 - EFILive Support - General

EFILive tune files are usually stored in encrypted *.ctz files. However, *.bin (binary format) and/or *.hex (Motorola hex record format) files may also be opened by the EFILive software.

The *.hex file format will always contain a 1-to-1 mapping of the controller's memory and the data in the *.hex file.

To save file space, the *.bin file format as implemented by EFILive, will not always contain a 1-to-1 mapping of the controller's memory and the data in the *.bin file – depending on the controller type.

When creating *.cax8 files for controllers with address mapping, ALWAYS use the controller's address as shown by the Bin Mapping tool located on the [F8: Tools] -> [F7: Bin Mapping] menu, not the *.bin file address (unless the addresses are the same).

Use this tool to display the address mapping for each controller type and to accurately convert between the *.bin file addresses and the controller's memory addresses.

Bin File Layout and Address Conversions

EFILive tune files are usually stored in encrypted *.ctz files. However, *.bin (binary format) and/or *.hex (Motorola hex record format) files may also be opened by the EFILive software.

The *.hex file format will always contain a 1-to-1 mapping of the controller's memory and the data in the *.hex file.
To save file space, the *.bin file format as implemented by EFILive, will not always contain a 1-to-1 mapping of the controller's memory and the data in the *.bin file – depending on the controller type.

When creating *.cax8 files for controllers with address mapping, ALWAYS use the controller's address as shown by this tool, not the *.bin file address (unless the addresses are the same).

Use this tool to display the address mapping for each controller type and to accurately convert between the *.bin file addresses and the controller's memory addresses.

Address Mapping:
Controller: **E868 LML Duramax 15-16 ECM**

Controller Start	Controller End	*.bin Start	*.bin End	Size	Size (KB)
\$00000000	\$001FFFFF	\$00000000	\$001FFFFF	\$00200000	2048 KB
\$00800000	\$008FFFFF	\$00200000	\$002FFFFF	\$00100000	1024 KB
\$00900000	\$0091FFFF	\$00300000	\$0031FFFF	\$00020000	128 KB

Controller Address:

BIN Address:

Close