



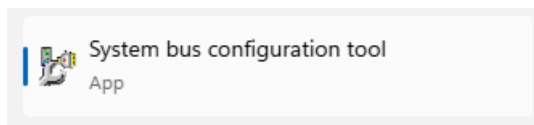
EMF 2180IB EthernetCAN Firmware Update

This is a step-by-step guide on how to perform a firmware update for the EthernetCAN EMF 2180IB.

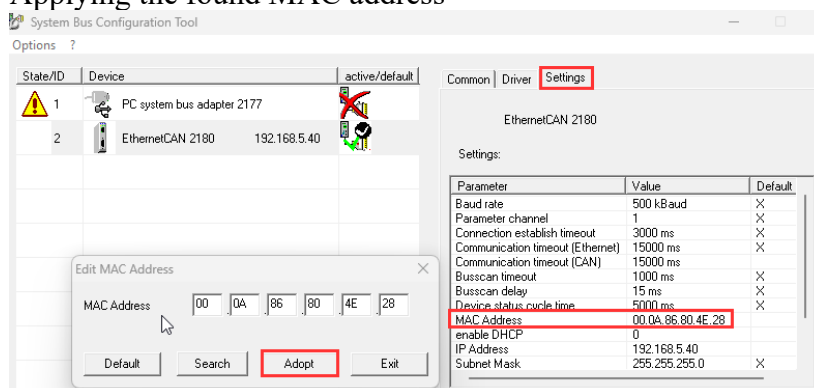
Note:

The module must not be powered down at any point during the firmware update. The firmware update is performed via an FTP connection and the MS-DOS command prompt.

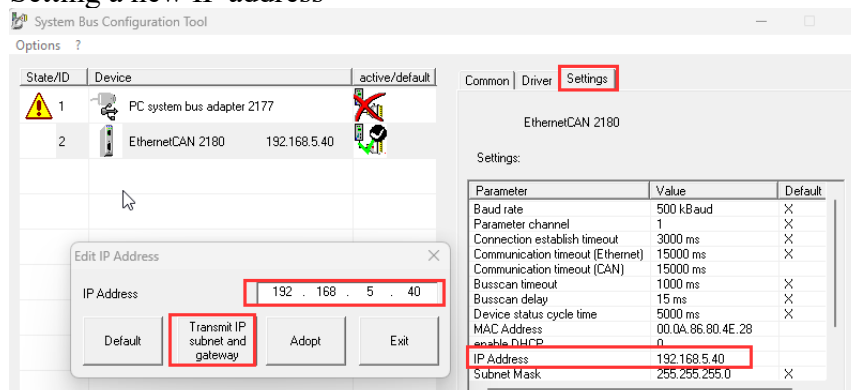
1. The ENMF 2180 module must have a valid IP address, and the computer must be within the same IP address range. The module's IP address can be specified using the Lenze Systembus Configurator.



Applying the found MAC address

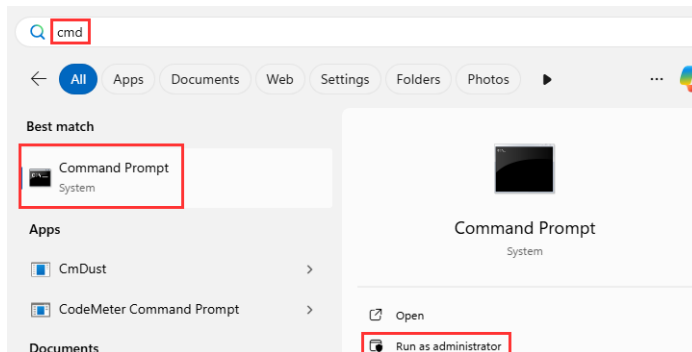


Setting a new IP address





2. A connection to the module is established via the MS-DOS command prompt. If possible, open the command prompt as an administrator.

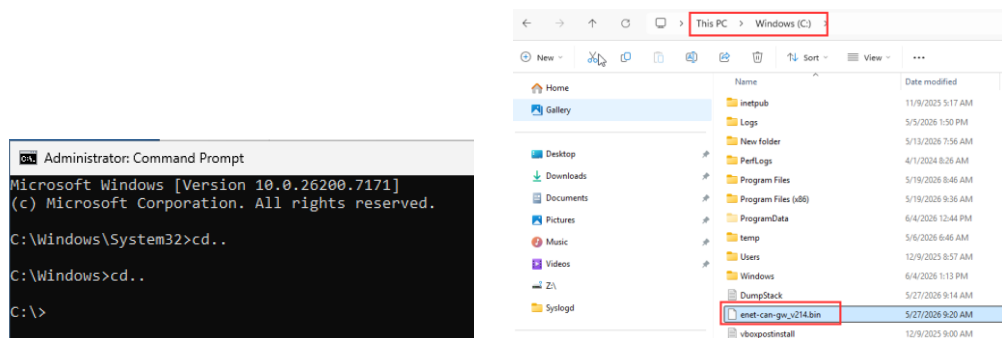


3. Navigate to the Windows directory where you have saved the new firmware file (file xxx.bin).

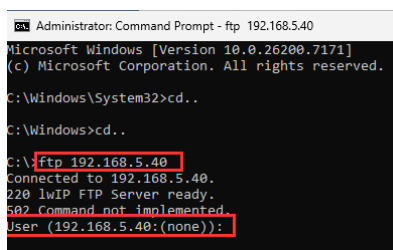
MS-DOS commands

d: changes to drive d
cd xxx changes to a subdirectory
rd xxx goes to the parent directory

In this example, the bin file was located directly under the c: drive



4. Now an FTP connection to the assembly must be established. To do this, use the following command line
=> ftp (IP address EMF 2180)





- Next, you will be prompted for a username and password.
Username & Password: EMF2180IB

No cursor movement is displayed when entering the password. Enter the password and confirm with Enter.

```
Administrator: Command Prompt - ftp 192.168.5.40
Microsoft Windows [Version 10.0.26200.717]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd..

C:\Windows>cd..

C:\>ftp 192.168.5.40
Connected to 192.168.5.40.
220 lwIP FTP Server ready.
502 Command not implemented.
User (192.168.5.40:(none)): EMF2180IB
331 User name okay, need password.
Password:

230 User logged in, proceed.
ftp>
```

- After the password is successfully verified, start the download with the command “put xxx.bin”.

```
ftp> put enet-can-gw_v214.bin
200 Command okay.
150 Opening BINARY mode data connection for enet-can-gw_v214.bin.
226 Closing data connection. Successful transferred firmware. Starting to flash now.
ftp: 229376 bytes sent in 0.14Seconds 1592.89Kbytes/sec.
ftp>
```

- After the firmware has been successfully transferred, close the FTP connection using the command "by". The firmware update is complete. The "by" command triggers an automatic reboot of the module.

```
230 User logged in, proceed.
ftp> bin
502 Command not implemented.
ftp> put enet-can-gw_v214.bin
200 Command okay.
150 Opening BINARY mode data connection for enet-can-gw_v214.bin.
226 Closing data connection. Successful transferred firmware. Starting to flash now.
ftp: 229376 bytes sent in 0.14Seconds 1592.89Kbytes/sec.
ftp> by

C:\>
```