







# Firmware update

## CyBroBinLoader software

- Download latest CyBroBinLoader.exe from <https://www.cybrotech.com/software-category/tools/>
- Run CybroBinLoader.exe
- In case Windows OS is blocking execution, click on “more info” and “run anyway”

|   |  |                      |  |
|---|--|----------------------|--|
|  | <b>CyBroBinLoader-v3.0.3.exe</b><br>Update Cybro kernel and plc program. Also able to set alias, model, baudrate, IP address, Modbus id, and dump controller memory. Works in local network, internet connection is not supported. | 766.50 KB 2021-07-17 | <br> |
|---|--|----------------------|--|

# Firmware upload

- Download latest HEMS firmware from [Download](#)
- Select correct Cybro NAD (sticker on top or side of MC controller)
- Select firmware under PLC program
- Enable PLC program and Start PLC
- Click send
-  PC must be on the same network as MC controller
-  Do not interrupt durring update process
-  HEMS configuration may be lost, use BACKUP before update and later RESTORE as described under [Software](#)

The screenshot shows the CybroBinLoader v3.0.3 application window. The interface includes an 'Information' panel on the left with fields for Platform, PLC status, IP address, Loader version, Serial number, Signature, Authorization, Authorized by, Kernel version, NAD alias, Hardware model, IEX baudrate, Transfer date, PLC program, File system, Transfer date, and Modbus address. The 'Configuration' panel on the right includes Licence, Network adapter, Direct connection, Password, Cybro NAD (a dropdown menu currently showing a list of values: 11000, 11279, 14698, 20171, 21005, 30523, 31059, 7355, 8481, 8980), No serial number, IP address, Subnet mask, Gateway, DNS server, and Modbus address. The 'Status' panel at the bottom left shows Current, Total, and Message fields. There are also checkboxes for 'Serial number', 'Kernel', 'PLC program', and 'Start PLC', along with 'Browse' buttons for file selection. At the bottom of the window, there are buttons for 'Refresh', 'Send', 'Start PLC', 'Stop PLC', 'Help', 'About', and 'Close'.

CybroBinLoader v3.0.3 cybroTech

| Information         |                      | Configuration   |                     |
|---------------------|----------------------|-----------------|---------------------|
| Platform:           | Cybro-3/ARM          | Kernel version: | 3.0.8               |
| PLC status:         | run                  | NAD alias:      | none                |
| IP address:         | 192.168.0.169 (dhcp) | Hardware model: | Cybro-3             |
| Loader version:     | 3.2                  | IEX baudrate:   | 100kbps             |
| Serial number:      | 21005                | Transfer date:  | 2021-10-27 11:23:20 |
| Signature:          | 201E5417h            | PLC program:    | ok                  |
| Authorization:      | ok                   | File system:    | 1 file(s)           |
| Authorization date: | 2020-06-23 17:16:40  | Transfer date:  | 2021-10-27 14:26:12 |
| Authorized by:      | 9110C49Dh            | Modbus address: | 1                   |

|   |   |  |                                     |
|---|---|--|-------------------------------------|
| <input type="checkbox"/> Serial number:         | <input type="text" value="0"/>                                      | <input type="checkbox"/> Autoincrement |                                     |
| <input type="checkbox"/> Kernel                 | <input type="text"/>  | <input type="button" value="Browse"/>  | <input type="checkbox"/>            |
| <input checked="" type="checkbox"/> PLC program | <input type="text" value="C:\Users\mbehek\Desktop\hems_1.2.0.bin"/> | <input type="button" value="Browse"/>  | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> Start PLC   |   |  |                                     |

|  |   |                          |
|--|---|--------------------------|
| <input type="checkbox"/> NAD alias:      | <input type="text"/>                                    | <input type="checkbox"/> |
| <input type="checkbox"/> Hardware model: | <input type="text"/>                                    | <input type="checkbox"/> |
| <input type="checkbox"/> IEX baudrate:   | <input type="text"/>                                    | <input type="checkbox"/> |
| <input type="checkbox"/> IP address:     | <input type="radio"/> DHCP <input type="radio"/> Static | <input type="checkbox"/> |
| IP address:                              | <input type="text"/>                                    | <input type="checkbox"/> |
| Subnet mask:                             | <input type="text"/>                                    | <input type="checkbox"/> |
| Gateway:                                 | <input type="text"/>                                    | <input type="checkbox"/> |
| DNS server:                              | <input type="text"/>                                    | <input type="checkbox"/> |
| <input type="checkbox"/> Modbus address: | <input type="text" value="1"/>                          | <input type="checkbox"/> |

Status

Current:

Total:

Message: 2021-10-28 11:35:58: connected

config
  kernel
  program

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Last update: 2021/11/17 12:09

