







# 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>   | 766.50 KB | 2021-07-17   |
|   | 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. |           | <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](#)

CybroBinLoader v3.0.3 cybroTech

#### Information

|                     |                 |
|---------------------|-----------------|
| Platform:           | Kernel version: |
| PLC status:         | NAD alias:      |
| IP address:         | Hardware model: |
|                     | IEX baudrate:   |
| Loader version:     | Transfer date:  |
| Serial number:      |                 |
| Signature:          | PLC program:    |
| Authorization:      | File system:    |
| Authorization date: | Transfer date:  |
| Authorized by:      | Modbus address: |

#### Configuration

Licence:  -

Network adapter: Intel(R) Wi-Fi 6 AX201 160MHz (192.168.0.1)

Direct connection

Cybro NAD:   No serial number

- 11000
- 11279
- 14698
- 20171
- 21005
- 30523
- 31059
- 7355
- 8481
- 8980

Modbus address:

DHCP  Static

IP address:

Subnet mask:

Gateway:

DNS server:

Serial number:   Autoincrement

Kernel

PLC program

Start PLC

#### Status

Current:

Total:

Message:

config  kernel  program

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|                     |                      |                      |                     |
|---------------------|----------------------|----------------------|---------------------|
| <b>Information</b>  |                      | <b>Configuration</b> |                     |
| 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             |
|                     |                      | IEX baudrate:        | 100kbps             |
| Loader version:     | 3.2                  | Transfer date:       | 2021-10-27 11:23:20 |
| Serial number:      | 21005                | PLC program:         | ok                  |
| Signature:          | 201E5417h            | File system:         | 1 file(s)           |
| Authorization:      | ok                   | Transfer date:       | 2021-10-27 14:26:12 |
| Authorization date: | 2020-06-23 17:16:40  | Modbus address:      | 1                   |
| Authorized by:      | 9110C49Dh            |                      |                     |

|   |  |   |  |
|---|--|---|--|
| <input type="checkbox"/> Serial number: <input type="text" value="0"/>  | <input type="checkbox"/> Autoincrement | <input type="checkbox"/> NAD alias: <input type="text"/>                | <input type="checkbox"/> Hardware model: <input type="text"/>                                |
| <input type="checkbox"/> Kernel <input type="text"/>  | <input type="button" value="Browse"/>  | <input type="checkbox"/> IEX baudrate: <input type="text"/>             | <input type="checkbox"/> IP address: <input type="radio"/> DHCP <input type="radio"/> Static |
| <input checked="" type="checkbox"/> PLC program <input type="text" value="C:\Users\mbehek\Desktop\hems_1.2.0.bin"/> | <input type="button" value="Browse"/>  | IP address: <input type="text"/>  | Subnet mask: <input type="text"/>  |
| <input checked="" type="checkbox"/> Start PLC   |  | Gateway: <input type="text"/>   | DNS server: <input type="text"/>   |
|   |  | <input type="checkbox"/> Modbus address: <input type="text" value="1"/> |  |

|   |
|---|
| <b>Status</b>                           |
| Current: <input type="text"/>           |
| Total: <input type="text"/>             |
| Message: 2021-10-28 11:35:58: connected |

config  kernel  program

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Last update: 2021/11/17 12:10

