Weishaupt Heat Pumps

Version 1.0 (2025.07.10)

ENG: Weishaupt heat pumps integration with FIBARO Home Center 3 series and NICE Yubii Home hubs, via the Modbus protocol.

DE: Integration von Weishaupt-Wärmepumpen mit FIBARO Home Center 3-Serie und NICE Yubii Home-Hubs über das Modbus-Protokoll.

PL: Integracja pomp ciepła Weishaupt z centralami FIBARO Home Center serii 3 oraz NICE Yubii Home, z wykorzystaniem protokołu Modbus.

ENG

This integration is published in form of encrypted QuickApp device. File attached below is a trial (demo) version that runs for 7 days after installation.

The full version has no time limitation and is distributed as an encrypted QuickApp, released for single FIBARO Home Center or Nice Yubii hub with serial number provided by the buyer.

Cost of full version is 100 Euro without VAT tax (for EU companies with valid EU VAT ID we can use 0% VAT tax for others 23% VAT tax will be applied, so total is 123 Euro to pay)
Cost is per one FIBARO Home Center / NICE Yubii controller.
Please contact us if you need USD or other calculations.

Payment option: bank wire transfer (SEPA/Swift), Paypal
Contact and more details: smarthome @ hdev.pl
Seller and developer: Human Devices company, VAT EU: PL8942392501

Compatibility

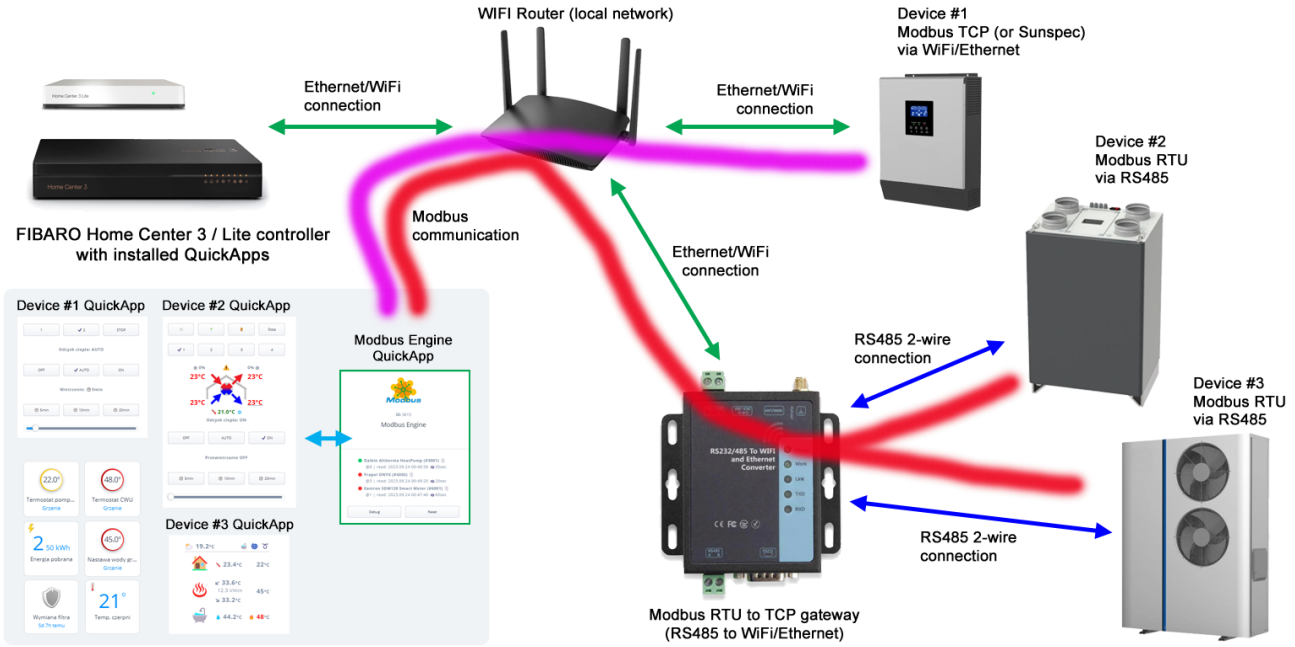
- FIBARO Home Center 3
- FIBARO Home Center 3 Lite
- Nice Yubii Home (PRO) and compatible
- FIBARO/Nice firmware version: 5.150, or newer
- Weishaupt heat pump Biblock, Splitblock, Geoblock series

More about Weishaupt heat pumps: https://www.weishaupt.de/produkte/waermepumpen-solar

Integration was tested with Weishaupt Luft/Wasser Wärmepumpe Biblock Typ WBB 12-A-RMD-AI

How it works

Weishaupt heat pumps support the Modbus TCP protocol, so integration can be started immediately after connecting the device to the home network via a WiFi or LAN cable (violet line at the bottom picture) and enabling Modbus TCP protocol at device settings.



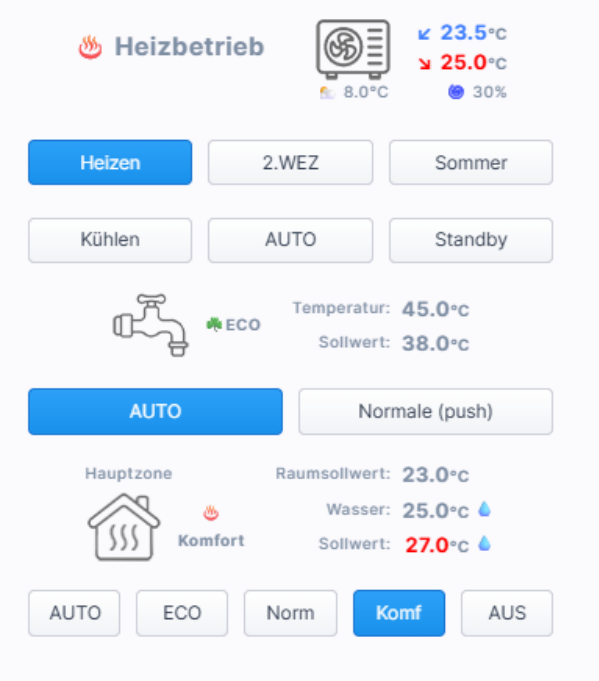
Supported functions

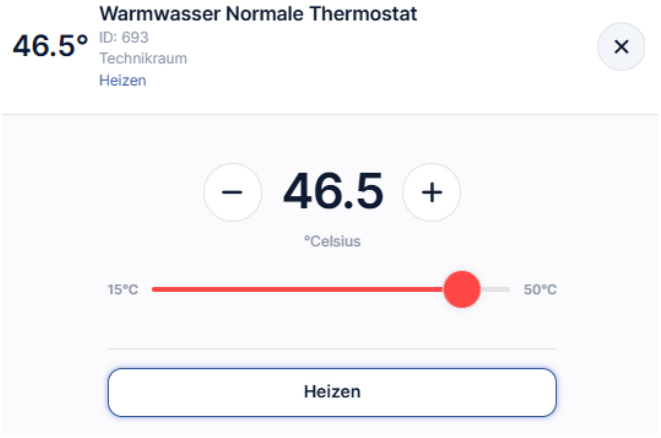
- Control main heat pump work modes: Heating, WEZ (for electric heaters), Summer, Cooling and Auto
- Displays basic states, water temperatures, compressor activity
- Control DHW production and temperature settings for Normal and Eco Mode
- DHW temperature sensor
- Support for two heating circuits (automatically detected)
- Setting work mode (Auto, Eco, Normal, Comfort, OFF) for each circuit
- Monitoring heating circuits state, room setpoint, water setpoint and current water temperature (setpoints are defined in heat pump configuration for each heating circuit mode)
- External temperature measured by external unit
- Information about heat pump fault
- Compatible with SmartPower energy management for FIBARO:
    - Energy overcapacity or energy price low: DHW push (set Normal mode), Heating circuits set to Comfort (if not in OFF state)
    - Energy cost high: Heating circuits set to Eco (if not OFF), optional DHW adjustment via changing thermostat setpoints

QuickApp adds the following set of meters and other child devices to the system:

- Outside temperature [°C]
- DHW Normal mode heating thermostat
- DHW ECO mode heating thermostat
- DHW temperature sensor [°C]
- Fault/error sensor

These child devices can be used in Energy Panel configuration, and in scenes.





Settings

Weishaupt QuickApp has following variables to set (*Variables* tab at device settings in Web UI):

- **Gateway_IP** – IP address of the heat pump
- **Gateway_Port** – TCPIP port for Modbus TCP connection (usually 502)
- **Modbus_Address** – address (ID) of the heat pump for Modbus communication (1-255 values, 0 means: not configured). For Modbus TCP at Weishaupt pumps it is not configurable and shall be set to default value 1.
- **Read_Every** – how often QuickApp shall read data from hardware. Value in seconds, minimal value is 10 seconds.
- **Circuit_1_Name** – name for heating circuit #1 (usually it is main heating circuit); used for UI only
- **Circuit_2_Name** – name for heating circuit #2 (this circuit is optional and may not be available in some instalations) ; used for UI only
- **Has_Cooling** – set to 1 when your pump supports cooling, QuickApp will add additional buttons and functions to control cooling mode

Variables

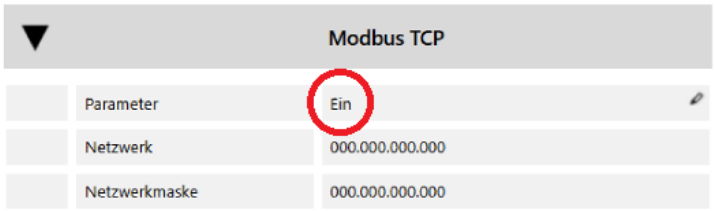
VARIABLE	TYPE	VALUE
Modbus_Address	String variable	1
Read_Every	String variable	31
Gateway_IP	String variable	192.168.2.56
Gateway_Port	String variable	502
Circuit_1_Name	String variable	Main zone
Circuit_2_Name	String variable	
Has_Cooling	String variable	0

Notes

- The QuickApp can be disabled by setting *Device Inactive* flag on the *Advanced* tab, in device settings in Web UI. A disabled device is not active, stops communicating and does not transfer or update any data
- Setting *Modbus_Address* variable to 0 (zero) for the QuickApp disables device at Home Center with "not configured" message.

Modbus configuration at heat pump side

Modbus TCP communication shall be enabled (switched to ON) at WEM portal settings.



Limitations

- The QuickApp supports English, German and Polish languages for user interface (more languages can be added on request).

ZIP file for download

- fqax **Weishaupt HeatPump Modbus DEMO** trial QuickApp file
- QuickApp installation and configuration guide (this document)

The QuickApp is a demo version that works for 7 days after installing.

Fqax file shall be imported to your Home Center / Yubii Home hub at administration panel (accessed via Web browser): menu *Settings*, section *Devices*, button *Add*, tab *Other Device*, command *Upload File.*

NOTE: At the time of installation, the FIBARO HomeCenter or Yubii Home hub must be registered on the owner's FibaroID account and must be connected to the Internet (this is a general requirement for the installation of encrypted QuickApps)