Release Notes 1.4.0

Please only install Firmware 1.4.0 on compatible HW: ww-go-01Rev.001
Please **do not install** Firmware 1.4.0 on Engineering Samples HW: ww-go-01.Rev.004

1.4.0	Feature	Second production Release. 1.3.1 and 1.4.0 are identical.
1.3.1	Feature	DST handling based on NTP time when time provided by the meter is not really UTC
1.3.1	Bugfix	Allow /firmware virtual path to be refreshed in the browser
1.3.1	Bugfix	Resolve a race condition on /live view
1.3.0	Feature	Repackaged 1.2.22 in preparation of the release
1.2.22	Bugfix	Fixed issue with plug detection
1.2.22	Feature	Showing dot masks in fields where password is set
1.2.22	Bugfix	Fix for rounding values shown in local WebUI
1.2.22	Feature	P1_ADAPTER mode added to APIs to control mode
1.2.21	Bugfix	Fixed issue with incorrectly reported KEY REQUIRED meter status
1.2.21	Feature	Improvements in DSMR parsers
1.2.20	Feature	Manage MODBUS in local WebUI
1.2.20	Feature	Support for floating point scaling settings for every OBIS code
1.2.20	Feature	Support for custom certificates and keys for MQTT client configuration
1.2.20	Feature	Improved handling of situations where the device used to shut down after USB-C power disconnection
1.2.20	Feature	MQTT reports continually sent even if meter is disconnected
1.2.20	Feature	For credential fields, added <fieldname>_len read-only attribute indicating how long the write-only field <fieldname> is

1.2.20	Feature	Additional meter API fields with the indication if encryption is active (enc_en) and if the authorization is enabled (auth_en)
1.2.20	Feature	Full support for deleting files and directories directly from the SD card, with an updated sd.html management page
1.2.20	Feature	A new neskey.html page, providing quick and easy conversion of the MEP BASIC KEY from text to hexadecimal format
1.2.20	Feature	Updated default Modbus register map now based on Siemens PAC2200 meter
1.2.19	Feature	Initial support for floating point scaling setting
1.2.18	Feature	Modbus TCP Slave Implementation; look for details in a dedicated how-to document
1.2.18	Feature	mDNS presence advertisement
1.2.16	Feature	Upon connecting to the MQTT broker, the meter state is submitted
1.2.16	Feature	Signed current variables
1.2.16	Feature	MQTT username is now optional
1.2.15	Feature	Integration of WebUI with custom scaling factors
1.2.15	Feature	Support for defining and execution of HTTP actions both locally and remotely
1.2.15	Bugfix	Resolved caching issues in local HTTP server
1.2.14	Feature	Improved handling of key requirements messages for NES meters
1.2.14	Feature	Display of current values in the main meter API even when power data for individual phases is unavailable
1.2.14	Bugfix	HTTP client authentication and redirection corrections
1.2.14	Feature	Enhancements in device DNS name resolution and CORS policy handling
1.2.13	Feature	whatwatt-xxxxxx.local access in the browser, with xxxxxx being the last 6 characters of the WIFI MAC/ID. The WebUI will be accessible via http://custom-hostname, http://custom-hostname.local and http://whatwatt-xxxxxx.local. The access via the IP address will continue to work as always: http://<local IP address>
1.2.12	Bugfix	Fix to AP mode not working
1.2.12	Feature	Prevent firmware upgrade to incompatible version when attempted on old hardware
1.2.11	Feature	Ability to set scalers for individual OBIs codes
1.2.10	Feature	Support conversion factor from 0.001 to 1000
1.2.9	Feature	Improvements in handling of E570 unexpected messages
1.2.8	Feature	Improved voltage scalers for L&G E360
1.2.8	Bugfix	Return reactive power for individual phases in reports when DSMR is used

1.2.8	Feature	Adjust reporting time depending on the type of power supply; 5 seconds by default and 15 seconds for Mbus
1.2.7	Feature	Support for fragmented incoming messages from whatwatt cloud
1.2.7	Bugfix	Don't delete whatwatt cloud report sending configuration after reconnection
1.2.7	Feature	Ability to force protocol in /api/v1/meter/settings, especially useful for Kamstrup and DLMS push meters
1.2.7	Feature	New if_mode in /api/v1/meter/settings to force interface type
1.2.7	Bugfix	Fixed issue with scalers and meters that send scalers in reports
1.2.7	Feature	Send COSEM structure in /api/vi1/report/objects
1.2.7	Feature	Report hardware version as 1.2
1.2.7	Feature	New WebUI with tariff presentation in live view and control of meter type and scaler set
1.2.7	Feature	Return registration status flags in /api/v1/system (cloud.whatwatt.registered)
1.2.6	Bugfix	Fixed incorrect detection of DSMR/DLSM on P1 port
1.2.5	Bugfix	Fixed a memory leak when custom topics are set from the whatwatt cloud
1.2.5	Bugfix	Fixed handling of COSEM octet-string with zero length
1.2.5	Feature	Advanced energy saving involving CPU frequency control, thread pausing, CPU pausing, especially useful for Mbus meters
1.2.5	Feature	Predefined scalers for L&G E570 meters
1.2.5	Feature	Support for P1 interface without power with an additional adapter
1.2.3	Feature	Updated WebUI version
1.2.3	Feature	Support for custom topic and template-based topic and payload in MQTT configuration
1.2.3	Feature	Regular report times aligned to a full multiple of the reporting time (e.g.: for 15 seconds reporting time, reports will come at 00, 15, 30, 45 seconds after a full minute).
1.2.1	Feature	Enhanced the WebUI with new layout and service labeling
1.2.1	Bugfix	Corrected some issues in DSMR processing
1.2.1	Feature	Possibility to use NTP time as report time (instead of meter time)
1.2.0	Feature	Initial Production Release

All documents can be downloaded from whatwatt.ch/docs