



## **WebdynEasy W M-Bus**

Firmware release note extended – V02.07

# Summary

## V02.07

- Fix File upload regression for local upload
- Fix FTP path remote update regression

## V02.06

- Correction of regression on CRON table using comma syntax

## V02.05

- new parameter: `"config.radio.oneFramePerMeter"`
- new parameter: `"config.remote.ftp.checkFtpDir"`
- new command: `"dataClean"`
- Add USB automation ( info.bson and reset).
- Improved near-field reception.
- Taking into account the duration of the listening window in the random delay.
- The default local action is request for product without BLE option.
- Fix frame timestamp issue in data file.
- Fix compatibility issue with pureFTPd server.
- Fix software update issue with large RTC drift.
- Fix data upload issue with a full data partition.
- Fix FTP issue with more than 1 directory level.
- Fix low battery alarm not working.

## V02.04

- Fix frame error for Frame B with a length greater than 127 bytes.

## V02.03

- Fix modem issue during production test.

## V02.02

- Fix regression with SIM PIN management.

## V02.01

- Adaptation for circuit board without BLE module

## V02.00

- Improvement of the 1 first LTEM connection
- The delay before the 2nd network connection attempt is reduced.
- If the network mode is set to AUTO the 2nd network connection attempt is done in 2G mode.
- Add new network quality indicator and information in the supervision file
- Add the ICCID in the supervision file
- Add NB-IoT connectivity
- Medium and generation fields optionally ignored in the white list
- Possibility of deregistering from the network each time the magnet is used.
- Inbox parsing improved.
- Timeout for the local action
- Support for the SIM Busy error on modem startup
- Fix the problem of decoding long frames in B format
- Fix the Diag command issue in FTP
- Fix issue when "local.testCount" > 10
- if "local.testCount" > 1 a network error doesn't interrupt the installation mode
- if "local.testCount" > 1 a firmware update doesn't interrupt the installation mode

## V01.09

- Fix compatibility issue with BG95M3 firmware revision 01.009
- Fix "diag" command issue when used in FTP

## V01.08

- Add multi radio mode: S+T

## V01.07

- Fix read only configuration parameters regression.

## V01.06

- Add the "BformatLFieldAdaptation" parameter.
- Fix the double AES encryption for the ACK files after ftp software update.
- Fix the CRC issue for short format B frames.
- Force a software reset after BLE configuration update.
- Read WM Bus mode from configuration in radio BLE test.

## V01.05

- Correction of the CRC calculation bug for mode C frames in B format having a length of more than 128 bytes.
- Add missing "framecount" information in data files.

## V01.04

- USB partition formatting after firmware update.
- Fix alarm file encryption.
- Add FTPS support.
- Fix mode C frame with format B length issue.
- Stop the radio listening window if all meters of the white list are received.
- Do not enable AES security if the AES key is not valid.
- Read "cfg" and "cmd" file in the INBOX directory in one connection.
- Minimum listening window duration set to 30s.
- Fix "operatorInit" command issue.
- Add "CptRecFrames" in supervision.

## V01.02

- Long header frame issue fix.
- Add radio statistics in supervision file.

## V01.01

- Add NTP time validity check.
- Fix "logGet" command on USB is AES is enabled.
- Fix AES encryption issue for large files (size > 100ko).
- Force FTP file type to binary.

## V01.01

- First release

## Details

### 1. V2.07

- If the FTP path is changed by a new configuration in the INOBX directory of the gateway then, if there is a command file which remains in the INBOX, it will not be processed.

### 2. V2.06

- In version 2.05 there was a regression in the processing of CRON entries of the schedulers, if for example the entry of the days of the line includes a comma like "1,15" then the scheduler can be activated every minute.

### 3. V2.05

#### 3.1. New features and improvement

- New parameter: "[config.radio.oneFramePerMeter](#)"

The default behavior of the gateway is to record only one frame per meter and per length in the same listening window. By giving the value "False" to this parameter all the frames (up to at least a dozen) of the meters are recorded.

- New parameter: "[config.remote.ftp.checkFtpDir](#)"

The gateway's default behavior is, after the FTP connection, to check that the subdirectories it uses have all been created, if not, it creates them. By giving this parameter the value "False" this phase is skipped and saves a few seconds of connection time. Of course, you must first check on the server side that all the required subdirectories are present.

- New command: `"dataClean"`

This is a new command that allows remotely forcing the reset of the memory partition containing all recorded frames.

- Add USB automation ( info.bson and reset).

This new feature makes it easier to automate the configuration of the gateway via the USB link. (see user manual for more details)

- Improved near-field reception.

We found that in some installations there could be difficulties in receiving certain meters installed very close to the gateway. These modifications make it possible to overcome this.

### 3.2. Bug fix

- Taking into account the duration of the listening window in the random delay. The parameter `"/remote/modem/randomDelay"` is used to shift the connection time to the FTP server by a random value. If in the configuration the radio wake-up time and the FTP wake-up time are the same then the random delay did not take into account the duration of the listening window.
- The default local action is request for product without BLE option. The BLE radio module has been removed from the gateway, the default local action is now the "request" action.
- Fix frame timestamp issue in data file. Some frame timestamps in data files were wrong.
- Fix compatibility issue with pureFTPD server. There was a compatibility problem with the "pure-ftpd" FTP server. It was not possible to read the command and configuration files uploaded in the INBOX directory of the gateway.
- Fix software update issue with large RTC drift. On gateways that rarely connect to the network (once or twice a month) the natural drift of the internal clock could cause remote firmware update attempts to fail.

- Fix data upload issue with a full data partition. In some cases when the data partition was full the upload of data files could fail.
- Fix FTP issue with more than 1 directory level. There was a regression with the processing of the FTP path, it was not possible to use more than one directory sublevel on the server.
- Fix low battery alarm not working. The low battery level detection alarm did not work.