

# Release Notes

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## SMART-LOGGER v5.12

May 2018

## Introduction

*This document provides firmware update information for SMART-INTEGRATION-KIT devices, in particular the most popular models: SMART-SENSOR-ETH-POE-TH-BASIC, SMART-SENSOR-ETH-POE-TH-FILTER, SMART-SENSOR-ETH-POE-xT-IP67.*

## Support

*For more information on latest software releases, upgrade procedures, support, contact with your distributor and/or partner or visit [www.astozi.com](http://www.astozi.com) and/or email to [support@astozi.com](mailto:support@astozi.com).*

## Update procedure

*Software version 5.12 brings improvements, improvements and new features. You are requested to thoroughly familiarize with the software update procedure.*

### WARNING !!!

After the software update is done, in most cases, it is necessary to clear the browser cache where the device configuration was performed.

### Assignments of devices models to firmware version:

<i>Device model:</i>	<i>Filename:</i>
SMART-SENSOR-ETH-POE-TH-BASIC	SMART-LOGGER-ETH-POE-TH-BASE_FW_ALL.BIN
SMART-SENSOR-ETH-POE-TH-FILTER	SMART-LOGGER-ETH-POE-TH-BASE_FW_ALL.BIN
SMART-SENSOR-ETH-POE-xT-IP67 ( gdzie x = 1,2,4 )	SMART-LOGGER-ETH-POE-TH-EXPAND_FW_ALL.BIN

## Update

To update firmware of the device, please do the following steps:

1. Extract the file with the .BIN extension to a temporary directory.
2. Select the uncompressed file using the "Choose file" option in the firmware section of the Manage -> Maintenance menu.
3. Start the update procedure by pressing the green arrow button.
4. The update lasts for about 5 minutes.
5. After the update procedure is complete, the device will automatically restart.

## New functionality / improvements

This section shows the major improvements in each software release.

### Version 5.12

- no new functionality

### Version 5.11

- no new functionality

### Version 5.10

- no new functionality

### Version 5.09

- no new functionality

### Version 5.08

- aggregation module
  - added the option for environmental audit
  - added the option to export measured data to XLS files

### Version 5.07

- aggregation module
  - added support for astozi leakage probes
  - added support for expansion module for thermocouple probes
- notification module
  - entering the alarm mode is indicated by blinking of the LED
  - changed alarm description from FAILED to ALARM
- system management module
  - enhanced TCP / IP stack support
  - increasing the waiting time to retrieve an address from the DHCP server from 5 to 30 seconds
  - if you select "Reset to defaults with network settings" from the panel or press the reset button on your device, the IP address will be obtained from DHCP server and in case of failure the default address is 192.168.0.50

### Version 5.06

- no release

### Version 5.05

- no new functionality

### Version 5.04

- notification module
  - added buttons to test sending email and SMS

### Version 5.03

- notification module
  - added option to disable notification via email about restart of sensor

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## Version 5.02

- no release

## Version 5.01

- notification module
  - added support for HWGroup SMS gateway

## Version 5.00

- aggregation module
  - dynamic calculation of dew point and absolute humidity

## Version 4.67

- no new functionality

## Version 4.66

- no new functionality

## Version 4.65

- no release

## Version 4.64

- no new functionality

## Version 4.63

- system management module
  - added the Failover IP option - if the DHCP server does not work, the device uses the last saved static IP address

## Version 4.62

- no new functionality

## Version 4.61

- no new functionality

## Version 4.60

- aggregation module
  - added support for external devices from the SMART-SENSOR line for aggregation of data
- "Aggregated history" functionality enables up to 9 external measuring points
- visualization module
  - up to 9 number of measuring points is visualized using Display (formerly Mini Display)
- notification module
  - added the ability to send cyclic measurements both locally and from external devices using "Aggregated history"

## Version 4.51

- aggregation module
  - added support for SMART-SENSOR-EXT-PROBE-TH-FILTER sensor

## Version 4.50

- system management module

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- configuration export / import
- there is an alert after reboot the device if the time has not been correctly set
- logs are daily rotated
- notification module
  - the ability to automatically send measurements from the previous day by email
- visualization module
  - improved layout
    - new menu layout
    - view measurements history
    - export visible graphs to a CSV file
  - support for graphs for dynamically added sensors
  - mini-display mode with sensor selection from external devices
  - device status
    - percentage of usage of internal memory
- aggregation module
  - support for 1Wire temperature sensors
  - possibility to change sensor names
  - possibility to change the frequency of saving historical data

## Version 4.05

- adding support for SMSEagle (<https://www.smseagle.eu/>)

## Version 4.04

- add export log file and debug file

## Version 4.03

- added functionality "working hours", where during the given time intervals the device does not send notifications of exceeding thresholds alarm,

## Version 4.02

- adding time zone support

## Version 4.01

- Added mini display functionality for displaying status to up to four devices

## Version 4.00

- split firmware into two branches, one branch for standalone devices and one for devices communicating with systemONE solution
- default configuration enable data logger mode
- export historical data in CSV format
- preview historical data via web interface
- added functionality to temporarily disable notification when alarm thresholds are exceeded

## Version 3.16

- added option to restore factory settings without changing network configuration

## Version 3.15

- added functionality of cyclic reports
- add read-only access functionality

## Version 3.14

- no new functionality

## Version 3.13

- the uptime of the device is displayed

## Version 3.12

- no new functionality

## Version 3.11

- no new functionality

## Version 3.10

- no new functionality

## Version 3.09

- extension of functionality of detection of thresholds exceeded

## Version 3.08

- no new functionality

## Version 3.07

- no new functionality

## Version 3.06

- information by LED indicator that the assumed thresholds are exceeded

## Version 3.05

- adding sending a local address to DCMS Gateway

## Version 3.04

- no new functionality

## Version 3.03

- no new functionality

## Version 3.02

- no new functionality

## Version 3.01

- added support for Responsive Web Design (RWD) technology for the web panel

## Version 3.00

- support for sharing data via SNMP protocol
- added the support for AUTH PLAIN authorizations when sending email

## Version 2.12

- added support for temperatures below zero

## Version 2.11

- no new functionality

## Bug fixes

This section shows the most important bug fixes in each version of the firmware.

### Version 5.12

- system management module
  - critical fix in the use of DHCP failover mode

### Version 5.11

- system management module
  - fixes in DHCP protocol support

### Version 5.10

- fixes in the email sending module
- fixes in configuration support with wrong time server settings

### Version 5.09

- fixes in the SMS sending module

### Version 5.08

- fixes for expansion module support for K type thermocouple

### Version 5.07

- no fixes

### Version 5.06

- no release

### Version 5.05

- fixes in saving configuration
- fixes in monitoring Ethernet line status
- patches in the initialization of probes

### Version 5.04

- fixes in functionality of ReadOnly View and Mini-Display

### Version 5.03

- no fixes

### Version 5.02

- no release

### Version 5.01

- adding the correct implementation of notification module when incorrect parameters are entered
- patches to the functionality of "Periodic reports"
- patches in the functionality "Aggregated history"
- minor fixes in the web interface



## Version 5.00

- minor fixes in the web interface

## Version 4.67

- in special cases the device did not write too long email authorization
- fixes in the web interface for setting alarm thresholds for sensors

## Version 4.66

- minor fixes in the web interface

## Version 4.65

- no release

## Version 4.64

- fixes in NTP support

## Version 4.63

- fixes in the function of configuration restore

## Version 4.62

- fixes in the function of settings restore

## Version 4.61

- improved support for dynamic sensor detection
- fixes in the web interface
- correct date format compatible with RFC 822

## Version 4.60

- changes in menu layout dictated by the addition of Aggregated history functionality
- minor fixes in the web interface
- fixes in counting the free space left on the device
- fixes in support of SMART-SENSOR-EXT-PROBE-TH-FILTER sensors

## Version 4.51

- minor fixes in the web interface

## Version 4.50

- notification module
  - re-send only for the wrong type of sent message: sms, email and do not check all alert rule again
  - protection against repeated email and text messaging at the same time
- management module
  - added "Are you sure" messages for critical operations
  - disabled logging of messages type "Trying to resolve"
  - the default timezone is set to Europe/Warsaw
- visualization module
  - added the blocking an interface when an operation is performing
  - acceleration of graphs generation
- aggregation module
  - saving the historical data only when NTP is running or the time has been manually set

## Version 4.05

- reduce delay when sending SMS
- correct time zone support in graphs
- minor fixes in the web interface

## Version 4.04

- improved communication with NTP server

## Version 4.03

- minor fixes in the web interface

## Version 4.02

- fixes when displaying measurement history on Firefox and Internet Explorer browsers

## Version 4.01

- fixes when displaying software update status

## Version 4.00

- split firmware into two branches, one branch for standalone devices and one for devices communicating with systemONE solution

## Version 3.16

- fixes in input parameters validation
- DNS queries fixes

## Version 3.15

- fixes in displaying dashboard on mobile devices
- patches for communication between dcms mote and dcms gateway

## Version 3.14

- patches for communication between dcms mote and dcms gateway

## Version 3.13

- new web interface layout
- patches in the www interface

## Version 3.12

- reducing delays in measurements
- changes to the OID tree for SNMP to ensure compatibility with Axence nVision software
- fixes in MIB file

## Version 3.11

- fixes in configuration of threshold values
- minor fixes in the web interface

## Version 3.10

- patches in SNMP agent

## Version 3.09

- fixes in displaying graphs

- patches for displaying dashboard on mobile devices

## Version 3.08

- fixes for the measurement of temperatures below zero

## Version 3.07

- patches for communication between dcms mote and dcms gateway

## Version 3.06

- storing in logs threshold values

## Version 3.05

- no fixes

## Version 3.04

- patches for communication between dcms mote and dcms gateway

## Version 3.03

- validation of input data in email configuration

## Version 3.02

- changing the firmware upgrade procedure
- improved handling of the TCP / IP stack

## Version 3.01

- displaying the information about running synchronization procedure with dcms gateway

## Version 3.00

- more detailed information is logged while sending email
- improved graph display when no time synchronization with NTP server or manual time is set
- added the Notification tab, where email, sms, snmp services are configured
- minor fixes in the web interface

## Version 2.12

- improved software update procedure (support for weak and unstable internet connections)
- added support for temperatures below zero

## Version 2.11

- improved SMS sending procedure
- improved silent mode operation - sensor failure is always signaled by a buzzer