

# Release Notes

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## SMART-INTEGRATION-KIT v5.04

August 2017

## 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.astrozi.com](http://www.astrozi.com) and/or email to [support@astrozi.com](mailto:support@astrozi.com).*

## Update procedure

*Software version 5.04 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- INTEGRATION-KIT-ETH-POE-TH-BASE_FW_ALL.BIN   |
| SMART-SENSOR-ETH-POE-TH-FILTER                  | SMART- INTEGRATION-KIT-ETH-POE-TH-BASE_FW_ALL.BIN   |
| SMART-SENSOR-ETH-POE-xT-IP67 (where x = 1,2,4 ) | SMART- INTEGRATION-KIT-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 5.04

- no new functionality

### Version 5.03

- no new functionality

### Version 5.02

- no release

### Version 5.01

- no release

### Version 5.00

- aggregation module
  - dynamic calculation of dew point and absolute humidity
- integration module
  - support for sharing data via Modbus protocol

### Version 4.69

- no new functionality

### Version 4.68

- integration module
  - support for sharing data via CoAP protocol

### Version 4.67

- no release

### Version 4.66

- no new functionality

### Version 4.65

- added possibility to download MIB file via web interface

### 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

# SMART-INTEGRATION-KIT

## Version 4.61

- no new functionality

## Version 4.60

- integration module
  - added support for the "Aggregated history" functionality available on devices with SMART-LOGGER software

## Version 4.51

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

## Version 4.50

- integration module
  - support for sharing data via SNMP protocol
  - support for sharing data via MQTT protocol
  - support for sharing data via JSON protocol
  - support for sharing data via CSV file
- system management module
  - configuration export / import
  - there is an alert after reboot the device if the time has not been correctly set
  - logs are daily rotated
  - support for device management via SNMP
  - Support for device management via MQTT
- visualization module
  - improved layout
    - new menu layout
  - support for graphs for dynamically added sensors
  - 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 4.04

- add export log file and debug file

## Version 4.02

- adding time zone support

## 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
- preview historical data via web interface

## Version 3.16

- added option to restore factory settings without changing network configuration

## 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 5.04

- fixes in the web interface ( graphs )

### Version 5.03

- integration module
  - fixes in support for sharing data via CSV file

### Version 5.02

- no release

### Version 5.01

- no release

### Version 5.00

- minor fixes in the web interface

### Version 4.69

- fixes in CoAP support

### Version 4.68

- minor fixes in the web interface

### Version 4.67

- no release

### Version 4.66

- minor fixes in the web interface ( graphs )

### Version 4.65

- fixes in SNMP support

### 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

# SMART-INTEGRATION-KIT

## Version 4.60

- fixes in support of SMART-SENSOR-EXT-PROBE-TH-FILTER sensors

## Version 4.51

- minor fixes in the web interface

## Version 4.50

- 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

- 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



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## 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 3.05

- 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

- improved graph display when no time synchronization with NTP server or manual time is set
- 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

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## Version 2.11

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