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# CISS - Connected Industrial Sensor Solution

Release Notes

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## 1 DataStreamer V01.07.00 → DataStreamer V02.01.01

- ▶ Integration of a persistent storage area for long term exchanged connection data
- ▶ USB descriptor name change from "CISS Kit" to "CISS"
- ▶ Introduction of the "Time Aggregation Mode" (only via USB)
- ▶ Improved power management for the external flash module
- ▶ Improvement to the 2 kHz "Accelerometer Streaming Mode"
- ▶ Improvement to the "Standard Streaming Mode"
- ▶ Stabilization and bug fixes

### Known Issues

- ▶ Accelerometer 2 kHz mode: Some sensor data in the first frame are at zero
- ▶ Fast enable / disable of the "Streaming Mode" might cause an undefined state of the CISS

## 2 DataStreamer V02.01.01 → DataStreamer V02.02.00

- ▶ Improvement of the stability of sensor driver level
- ▶ Reduced the number of writes to user page
- ▶ Humidity and temperature compensation improved
- ▶ Improvement of communication interfaces regarding the "Event Detection Mode"
- ▶ Stabilization and bug fixes

### Known Issues

- ▶ The least time between two USB commands for enabling and disabling the sensors shall be limited to 70 ms or higher

## 3 DataStreamer V02.02.00 → DataStreamer V02.03.00

- ▶ Values of the light sensor limitation fixed
- ▶ Temperature and humidity values: accuracy improved
- ▶ 2 kHz mode stabilized
- ▶ Csv file regarding data analysis improved
- ▶ Send notification, when delete flash via BLE
- ▶ If device is streaming data via USB and BLE and the settings are changed via USB, 0x750a gets updated, the BLE master gets notified
- ▶ USB streaming: Data packet loss minimized. Data packet loss depends on the host system
  - 10 ms streaming (accelerometer, gyroscope, magnetometer), 1 s (environmental sensors): to avoid data loss, collect data at least every 140 ms
  - 2kHz streaming (accelerometer): to avoid data loss, collect data at least every 32 ms

### Known Issues

- ▶ 2 kHz mode stops on windows system in long run test when logging into windows (root cause unknown)
- ▶ CISS in hanged state, when it got a hard fault in sleep mode
- ▶ Intermediate reset may occur, when deleting the external flash via BLE (configuration is gone, file stays)
- ▶ Initial magnetometer values are zero in USB streaming mode

For further assistance, please refer to <http://www.bosch-connectivity.com/CISS> or e-mail to: [support@bosch-connectivity.com](mailto:support@bosch-connectivity.com)

## **Bosch Connected Devices and Solutions GmbH**

Ludwig-Erhard-Straße 2  
72760 Reutlingen  
Germany

Postfach 13 42  
72703 Reutlingen  
Germany

**[support@bosch-connectivity.com](mailto:support@bosch-connectivity.com)**

**[www.bosch-connectivity.com](http://www.bosch-connectivity.com)**