

## SPI Storm Studio – Release notes

### Version 1.1.29

- Fixed bug affecting data readback for long transfers.

### Version 1.1.28

- Corrected bug affecting non-byte-aligned transfers.

### Version 1.1.27

- Corrected bug preventing from properly finishing to read back data for specific total data lengths.

### Version 1.1.26

- Added signed drivers
- Bug corrections

### Version 1.1.25

- Fixed problem with large readback data in SPI commands.

### Version 1.1.24

- Fixed clock issue when using external clock at very low frequencies.

### Version 1.1.23

- Fixed WE behaviour.
- Added custom segments rules allowing control of SS2 and SS3 as constants.
- Updated user's guide.

### Version 1.1.22

- Fixed bit order in custom quad and dual spi macros.
- Added SPI-3 with read length = 0.

### Version 1.1.21

- Fixed data read back issue for long transfers.

### Version 1.1.20

- Fixed data corruption observed with long transfers, related to bit/byte ordering feature.
- Fixed wizard issues.

### Version 1.1.19

- Corrected issue related to software hanging in some cases of device programming when using external voltage for I/Os.

### Version 1.1.18

- Improved stability
- Added full USB 3.0 PC port support
- Support for new SPI Storm devices

### Version 1.1.17 : not released

### Version 1.1.16

- Small fixes

### Version 1.1.15

#### Features

- Small fix of compilation issue.

### Version 1.1.14

#### Features

- Added option for selecting bit ordering: MSBit first. Turned default bit ordering to MSBit first.
- Improved software stability.

### Version 1.1.13

#### Features

- Removed spurious special characters from output file.

### Version 1.1.12

#### Features

- Resolved bug affecting long loops and programs

### Version 1.1.11

#### Features

- Resolved potential device conflict with LOG Storm device
- Added trigger support for custom macros
- Corrected issue affecting clock frequency change within or between macros
- Added version function in DLL

### Version 1.1.10

#### Features

- Fixed issue affecting the execution of 2 successive macros using the API without GUI
- Added check for missing GPO data – caused invalid syntax error when reading config file
- Added clock frequency field
- Increased decoding speed of large loops

## Version 1.1.9

### Features

- Updated GPO support from C API

### Known limitations:

- Currently limited to 10 MB per run
- SPI access minimum length: 2 bits
- Minimum length for segment with data read back: 2 bits.

## Version 1.1.8

### Features

- Added external clock detection and support
- Added external voltage detection for notification
- Improved USB connectivity

### Known limitations:

- Currently limited to 10 MB per run
- SPI access minimum length: 2 bits
- Minimum length for segment with data read back: 2 bits.

## Version 1.1.7

### Features

- Several bug fixes.

### Features under development:

- External clock detection
- External voltage detection

### Known limitations:

- Currently limited to 10 MB per run
- SPI access minimum length: 2 bits
- Minimum length for segment with data read back: 2 bits.

## Version 1.1.6

### Features

- Corrected issue preventing from aborting run under some configurations.
- Corrected issue affecting synchronisation between the serial port and the GPO port.
- Corrected display issue with progress bar.
- Several bug fixes.

### Features under development:

- External clock detection
- External voltage detection

#### **Known limitations:**

- Currently limited to 10 MB per run
- SPI access minimum length: 2 bits
- Minimum length for segment with data read back: 2 bits.

#### **Version 1.1.5**

##### **Features**

- Corrected issue preventing from directing data to user interface when DLL was used.

##### **Features under development:**

- External clock detection
- External voltage detection

#### **Known limitations:**

- Currently limited to 10 MB per run
- SPI access minimum length: 2 bits
- Minimum length for segment with data read back: 2 bits.

#### **Version 1.1.4**

##### **Features**

- Corrected issue preventing from reading back data in SPI 4 mode

##### **Features under development:**

- External clock detection
- External voltage detection

#### **Known limitations:**

- Currently limited to 10 MB per run
- SPI access minimum length: 2 bits
- Minimum length for segment with data read back: 2 bits.

#### **Version 1.1.3**

##### **Features**

- Corrected issue affecting project load with SPI Storm Studio in demo mode (no license installed)

##### **Features under development:**

- External clock detection
- External voltage detection

#### **Known limitation:**

- Currently limited to 10 MB per run

## Version 1.1.2

### Features

- Corrected syntax check on SPI3 protocol

### Features under development:

- External clock detection
- External voltage detection

### Known limitation:

- Currently limited to 10 MB per run

## Version 1.1.x

### Features

- Enabled wizard for standard SPI protocol
- Improved detection of device disconnect
- Improved configuration validity check
- Improved GUI stability in Windows XP
- Added open drain controls for GPO
- Added dummy cycles in Dual- and Quad-SPI protocols
- Minor bugs correction

### Features under development:

- External clock detection
- External voltage detection

### Known limitation:

- Currently limited to 10 MB per run

## Version 1.0.0

### Features

- Signed drivers now available (32-bit / 64-bit)
- Minor bugs correction
- License check enabled

### Features under development:

- Multi-device support
- External clock detection
- External voltage detection

### Known limitation:

- Currently limited to 10 MB per run