

# Speedway Connect Software 2.9.0

## ABOUT THIS RELEASE

This is the Impinj Speedway Connect Software version 2.8.0 release for Impinj RAIN RFID readers and gateways. Speedway Connect is on-reader software that enables users to easily set configuration and consume data for individual readers and gateways.

## SUPPORTED REGIONS OF OPERATION

Impinj readers and gateways have been certified for use in multiple regions and geographies. A list of supported regions and geographies is available online at [www.impinj.com/supported\\_regions](http://www.impinj.com/supported_regions).

## APPLICATION COMPATIBILITY

Application	Version
Octane Firmware	7.0

## NEW FEATURES AND CHANGES

### *Version 2.9.0*

- Added support for Octane Firmware version 7.0.

### *Version 2.8.0*

- Added support for readers and gateways that support the new EU upper band frequency standard (915-921 MHz).
- Updated the default Reader Mode selection to Mode 1002, "AutoSet Dense Reader Deep Scan". After installing on older versions of Octane with R120 and R220 readers, the "Reader Mode" drop-down will appear blank until a valid option is chosen.
- Updated help for HTTP POST interval to contain message about "Update Interval" recommended setting.
- Added support for Internet Explorer 11

### *Version 2.6.0*

- Added the option of using the carriage-return character ('0x0D') as the line-ending character in Speedway Connect's output.
- Added the heartbeat capability when running in the Direction and Location profiles.

### *Version 2.4.0*

- Added support for the Location profile when running on an xArray.
- Added support for the Direction profile when running on an xSpan or xArray
- Added the ability to select which timestamp format is sent in reports: Unix time or ISO 8601

### *Version 2.2.0*

- Speedway R120 reader support

### *Version 2.1.0*

- xSpan and xArray support (Inventory mode only)
- Option to format output in JSON
- IPv6 support for the WebUI, HTTP POST, and socket connections

- Improved stability

## Version 2.0.6

- The "Immediate" start trigger supports the "Duration" and "GPI" stop triggers

## Version 2.0.2

- Web user interface updated with new Impinj logo

## Version 2.0.1

- New web user interface
- Ability to disable Speedway Connect program without having to uninstalling it
- License key validation and warning message at top of page if license is invalid or not entered
- Support for channel selection when installed on ETSI readers
- Heartbeat added when using HTTP POST
- Ability to enter starting tag population
- Support for HTTP 1.1 when using HTTP POST
- Added ability to enter proxy server information for HTTP POST
- Added second tag filter
- Enhanced security by requiring user to enter current password in order to change to a new password

# RESOLVED ISSUES

## Version 2.8.0

- Minor bug fixes and other improvements

## Version 2.6.0

- The custom data suffix is now written *before* the newline character.
- Added custom prefix and suffix output for heartbeat reports over socket and serial output, matching other output mechanisms.
- Other, minor bug fixes and improvements

## Version 2.4.0

- Updated the default "bit pointer" value for Gen2 filters to be 32, which is the beginning of the EPC
- GPI is no longer listed as an option for start and stop triggers when running on an xSpan or xArray
- Gen2 filtering mask lengths are now validated by the web interface
- Reader modes that are not supported by a particular reader model or regulatory region are no longer displayed for FCC and ETSI readers
- Other, minor bug fixes and improvements

## Version 2.2.2

- Heartbeat reports over socket connections with JSON output enabled are now properly JSON-encoded.
- License keys entered into the web configuration page are now sanitized before being stored.
- The web configuration page can no longer be hosted inside of an HTML iframe element.

## *Version 2.2.0*

- Minor bug fixes and other improvements

## *Version 2.1.0*

- Fixed several minor stability, documentation, and performance issues.

## *Version 2.0.6*

- The URL for HTTP Post supports the "=" character
- The application will automatically restart if the network connection to the reader is lost. Tag reading will resume if Speedway Connect was in that state when the connection was lost.
- Fixed a UI issue where the incorrect power setting was displayed after closing and reopening the application even though the reader was configured correctly
- Increased the PHP Post size from 8M to 25M to prevent server error 413 "request entity too large"

## *Version 2.0.4*

- Fixed an issue where timestamps from a Speedway reader were incorrectly converted

## *Version 2.0.2*

- Updated transmit power and receive sensitivity defaults to align with reader capabilities and regulatory limits
- Fixed web UI to accurately reflect available antennas when using certain Antenna Hub configurations
- Fixed reader's web UI to have Application SW Version reflect correct version of Speedway Connect installed

## *Version 2.0.1*

- Fixed Advanced GPO settings capability
- Automatically set session to 1 when using Single Target with Suppression
- Corrected tag reports when using 128-bit EPCs

# KNOWN ISSUES

- Times occurring in the past can be entered for start triggers
- Selecting "Reserved Memory" for tag filtering will cause the application to not read tags
- When sending CSV data over HTTP POST, the incorrect content-type is specified in the HTTP header
- Text fields that accept a number will allow a hyphen to be entered after the number, resulting in an invalid configuration
- Entering '0' as the value for EPC truncation will result in no truncation occurring

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