

s130_nrf51822 release notes

Table of Contents

- Introduction to the s130_nrf51822 release notes
- s130_nrf51822_0.5.0-1.alpha
 - Bugfixes
 - Changes
 - New functionality
 - Limitations
 - Known Issues

Introduction to the s130_nrf51822 release notes

These release notes describe the changes in the s130_nrf51822 from version to version.

This is how the document is laid out:

- There is one main section per new version of the s130_nrf51822. This section will describe the changes from the previous version.
- Within each main section, there are sections for:
 - Bugfixes
 - Changes
 - New functionality
 - Limitations
 - Known issues

The release notes are intended to list all relevant changes in a given version. They are kept brief, to make it easy to get the overview. More details regarding changes and new features may be available in the s130_nrf51822 migration document.

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s130_nrf51822_0.5.0-1.alpha

The s130 is based upon Nordic Semiconductor's existing S110 and S120 SoftDevices, extended to support concurrent LL and GAP roles.

Bugfixes

(This is the first release, so no known bugs fixed)

Changes

(This is the first release, so no changes)

New functionality

- Link Layer
 - Concurrent Master, Slave, Advertiser and Scanner operation (DRGN-4353, DRGN-4358, DRGN-4360)
 - Up to 4 concurrent active links: up to 3 in the Master role, along with up to 1 in the Slave role.
- GAP
 - Concurrent Central, Peripheral, Broadcaster and Observer operation (DRGN-4354).
 - Up to 4 simultaneous active connections: up to 3 in the Central role, along with up to 1 in the Peripheral role.

Limitations

- Link Layer
 - Concurrent Slave and Advertiser roles not available in this release.
- GAP
 - Concurrent Peripheral and Broadcaster roles not available in this release.

Known Issues

- SoftDevice
 - Limited test coverage
 - Flash access during connection establishment can negatively affect the connection setup procedure.
- Link Layer

- The peripheral role has priority over Central when it comes to keeping the links alive.