

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.

Copyright (c) 2014 Nordic Semiconductor ASA. All rights reserved.

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.

Update 1: s130_nrf51822_0.5.0-1.alpha memory resource requirements

- Flash: 112 kB
- RAM: 10 kB (plus 1.5 kB call stack) when enabled, 8 bytes when disabled

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.