

# S212/S332 Migration Document

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## Introduction

This document will cover how to migrate an application to newer versions of the S212/S332 SoftDevices. Specifically, this document addresses the required application changes related to the ANT portion of the SoftDevice. This document should be used in conjunction with the S132 migration notes located in this package for the SoC/BLE portions of a migration.

## **0.6.0->0.9.1 Migration**

There are no changes to the ANT stack between these versions. The S132 migration notes should be reviewed as changes were made to the SoC and BLE APIs.



## 0.3.0 -> 0.5.x Migration

This section describes how to migrate from a 0.3.0 release to a 0.5.x release

### License Key

A new parameter added to the `sd_softdevice_enable()` call, `p_license_key`, is used to enable SoftDevices that include ANT. Without this parameter, the SoftDevice will not initialize and will be non-functional. For evaluation purposes, an evaluation key is provided in `nrf_sdm.h`. It is a requirement to obtain and use a commercial use license key with the S332/S212 in any product that is sold or otherwise distributed for revenue-generating purposes. In order to use the evaluation key, two steps are required:

1. Open `nrf_sdm.h` and uncomment the `ANT_LICENSE_KEY` definition, as shown in the code snippet below:

```
/** @brief Evaluation key for the ANT SoftDevices. Use this key in sd_softdevice_enable call to start
    using the evaluation stacks. You MUST obtain a valid commercial license key BEFORE releasing a
    product to market that uses the ANT SoftDevices. For more information about licensing please
    visit the website below:
    https://www.thisisant.com/developer/ant/licensing */
#define ANT_LICENSE_KEY "3831-521d-7df9-24d8-ef3-467b-225f-a00e"    ← UNCOMMENT

#ifdef ANT_LICENSE_KEY
#error "You must obtain a valid license key to use ANT. You may use the evaluation key for non commercial
use only by uncommenting it above this error. Commercial use license keys are available from ANT
Wireless."
#endif
```

2. Modify all calls to `sd_softdevice_enable()` to add the license key as the third variable. The call should be changed as follows from this:

```
sd_softdevice_enable(1f_clock_source, softdevice_assert_callback);
```

to this:

```
sd_softdevice_enable(1f_clock_source, softdevice_assert_callback, ANT_LICENSE_KEY);
```