

Migration Document

Contents

0.5.x → 0.6.0 Migration	2
SDK 11.0.0-2 Usage and Porting	2
Search Uplink	3
0.3.0 -> 0.5.x Migration.....	4
License Key.....	4

0.5.x -> 0.6.0 Migration

This section describes how to migrate from a 0.5.x release to a 0.6.0 release

SDK 11.0.0-2 Usage and Porting

If you are intending to use the 11.0.0-2.alpha SDK then the entire contents of the include folder downloaded with the S212 package must be copied to the `components\softdevice\s212\headers` folder of the SDK. For the S332 package you must copy the include folder to the `components\softdevice\s332\headers` folder of the SDK. All ANT examples with the exception of the ANT DFU boot loader are compatible with version 0.6.0 of the softdevice with some minor modifications required. For ANT examples using the `softdevice_handler` module in 11.0.0-2.alpha a minor modification will need to be made in `softdevice_handler.c` (see below). For ANT examples that do not use the `softdevice_handler` (i.e. `ant_fs` and `ant_relay_demo`) you will need to port the stack assert handlers to the ones supported in the latest SDK.

```
#if defined(S210) || defined(S212) || defined(S332) || defined(S310)
/**@brief      Callback function for asserts in the SoftDevice.
[...]
*/
void softdevice_fault_handler(uint32_t pc, uint16_t line_num, const uint8_t * p_file_name)
{
    UNUSED_PARAMETER(pc);
    assert_nrf_callback(line_num, p_file_name);
}
#else
```

Should be replaced with:

```
#if defined(S210) || defined(S310)
/**@brief      Callback function for asserts in the SoftDevice.
[...]
*/
void softdevice_fault_handler(uint32_t pc, uint16_t line_num, const uint8_t * p_file_name)
{
    UNUSED_PARAMETER(pc);
    assert_nrf_callback(line_num, p_file_name);
}

#else
```


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);
```