Release Notes

BL654

Version 29.1.1.0   *May 2018*

Release notes are a summary of new and enhanced features, resolved issues, and known issues that are not resolved in this firmware version. This release note describes the changes and enhancements to the firmware of the BL654 *smart*BASIC based Bluetooth Low Energy Module in reverse chronological order.

For each version (excluding the initial 29.1.1.0) there are subsections for 'New Features', 'Bug Fixes' and 'Known Issues'.

BL654 firmware version numbers consist of four numbers in the format **W.X.Y.Z** which can be read back from the module by submitting the command AT I 3 when it is in command mode.

W signifies the module ID, which in the case of BL654 is 29.

X is used to indicate the underlying BLE stack version and so far the values have been:

1   Production release of Nordic's Softdevice version 6.0.0

Y is the release version, i.e. the major build number

Z is a sub-build number. When it is 0 or an even number it signifies that the firmware image is a production image that has been fully regression tested. An odd number indicates an engineering image.

VERSION 29.1.1.0 (MAY 2018)

This firmware is built to work with v6.0.0 of the S140 Softdevice from Nordic Semiconductor which is BT Spec version 5.0 qualified.

Known Issues

The following are known issues in this release:

- CODED PHY functionality is not Bluetooth qualified in this release. This feature is available for development and testing purposes only.
- Advertising in CODED PHY is not supported and will be provided in future versions of the firmware.
- During a BLE connection, when a GATT service is changed in a GATT server, the GATT client does not receive an event notifying it of the change (9628).
- For the GATT server, the long writes feature on authorizable characters is not yet implemented and will be added in future releases (11193).

Further Information

Further information relating to the BL654 and its firmware is available from the Laird website at
https://www.lairdtech.com/products/bl654-ble-thread-nfc-modules