# RN41/42APL v5.50 RELEASE NOTES

Firmware 5.50 is the next release for Microchip's RN41APL-I/RM and RN42APL-I/RM Bluetooth Classic modules. The most significant new feature is DFU (device firmware updates over the UART. Starting with 5.50, the next releases of firmware can be loaded via serial port and DFU utility.

## RESOLVED ISSUES

- Disconnect issue when the module is disconnected by the Bluetooth master before the completion of MFi authentication
- Reported an intermittent reboot issue during the connection process
- "%authenticated%" status message where only displayed when iAP1 connections were authenticated in previous firmware version 5.45. The status message is now displayed for both iAP1 and iAP2 connections.
- Apple ATS error due to RequestAppLaunch message item in the Identication Information when the auto launch is disabled.

## NEW FEATURES

- Support for Device Firmware Update (DFU) using the Microchip DFU Utility
- Command "%" to put the module into DFU mode
- Enter DFU mode during boot time by asserting GPIO3 high

## DEVICE FIRMWARE UPDATE (DFU) FEATURE

Microchip DFU Utility can be used to perform DFU update over UART on RN42APL Bluetooth module starting with firmware version v5.50 onwards. DFU image files (.dfu) for new release of the firmware will be provided to

update the firmware. Microchip DFU Utility can be downloaded at: http://ww1.microchip.com/downloads/en/DeviceDoc/Microchip%20Bluetooth%20DFU%20Utility%20Installer.zip

## PART NUMBERS

To order the RN41APL and RN42APL with 5.50, use the following part numbers:

- RN41APL-I/RM550
- RN42APL-I/RM550

## NEW DESIGN INFORMATION

Version 5.50 replaces 5.45 for new designs. It is required for any NEW MFi products in order to pass updated Apple ATS testing.

Any new end product submissions to the Bluetooth SIG for end product listing should reference QDIDs:

82001 for RN42

82009 for RN41

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