# RN41/RN42 v6.30 RELEASE NOTES

Firmware 6.30 is an update to the RN41-I/RM RN42-I/RM Bluetooth modules (SPP/HID). It fixes reported issues with the previous 6.15 firmware and adds some new features such as DFU and pairing list commands.

**FIXED ISSUES**

- Command "C,<adr>" re-connects to the specified Bluetooth address in PDL
- Device will not start attempts to automatically reconnect after user initiated disconnect
- Issue with the selection of authentication mode is resolved
- Issue with module to module connection with SSP authentication mode resolved
- Issue with factory reset using GPIO4 in HID mode resolved
- Issue with reboot command in remote login mode resolved

**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
- Authentication support added to HID mode
- Command "Y" to list the trusted/paired device list (PDL)
- Command "N,<adr>" to remove device from the trusted/paired device list
- Command "SI,<hex>,<hex>" to set inquiry scan window and inquiry scan interval

- Command "SJ,<hex>,<hex>" to set page scan window and page scan interval
- Command "SS,<text>" to set the service name
- Command "SO,<prefix>,<postfix>" supports postfix character delimiters

**DEVICE FIRMWARE UPDATE (DFU) FEATURE**

Microchip DFU Utility can be used to perform DFU update over UART on RN42 Bluetooth module starting with firmware version v6.30 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](http://ww1.microchip.com/downloads/en/DeviceDoc/Microchip%20Bluetooth%20DFU%20Utility%20Installer.zip)

**PART NUMBERS**

To order the RN41 and RN42 with 6.30, use the following part numbers:

- RN41-I/RM630
- RN42-I/RM630

**NEW DESIGN INFORMATION**

Version 6.30 is recommended for new designs. For existing designs using 6.15 or earlier that will be transitioning to 6.30, interoperability testing is strongly advised prior to replacing 6.15 part with 6.30.

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

- 82001 for RN42
- 82009 for RN41