



RN4678APL v1.11 RELEASE NOTE

OVERVIEW

This is the release notes for Microchip's firmware version 1.11 running on RN4678-V/RM and RN4678APL-V/RM Bluetooth dual mode modules. Firmware 1.11 is a maintenance release to the previous 1.00.5.

NEW FEATURES

- Bluetooth name (Classic/BLE) restored to default RN4678-b1b0 on factory reset, where b1b0 are lower order byte value of device MAC address.
- “GP” command returns passkey value.
- “D” command displays features value set by SQ command. The features can be display by “GQ” command.

RESOLVED ISSUES

- Fixed stability issue detected during iAP data session open and close.
- Fixed status message disable command not working. ‘S,’ and ‘S,,’ will disable status messages.
- Fixed issue with C command to connect to previously paired and connected remote device with or without pairing record.
- Fixed BLE advertising stopping during standby.
- Fixed BLE issue with remote device being unable to discover services and characteristics completely when authentication with IO capability is enabled for pairing.
- Extended a BLE timeout value when requesting connection parameters from central device to accommodate variance in SmartPhone response times.

KNOWN ISSUES

- Idle and Stand-by timers may be enabled if upgrading BM78 to RN4678. The RN4678 production modules disable this feature as the RN4678 uses commands to enter low power mode. A BM78 module that is updated to RN4678 firmware should apply the default UITOOL configuration file which disables the stand-by and idle timers.

Another method to disabling the stand-by and idle timer is to issue the following command from RN4678 command mode:

S:,01BD,FFFF

R,1

- Continuous entry of invalid pin code during pairing will cause module to factory default. This issue has been observed after entering an invalid PIN more than 70 times during a pairing session. The recommendation is not to enter an invalid PIN code after several failed attempts.