



IS1870/71 & BM70/71 Firmware 1.10 Release Notes

1 Overview

Firmware version 1.10 is a maintenance release for IS1870, IS1871, BM70, and BM71. Firmware version 1.10 addresses some issues that were identified in the previous revisions of Firmware 1.06 and earlier. This firmware is made available on Microchip's web site for existing IC's and modules.

1.1 Resolved Issues

- To address a reported issue where configuration device settings were inadvertently modified, a backup and restore feature is provided in 1.10. Device settings are copied at first bootup. During subsequent bootup the device settings are verified and restored if needed.
- Optimized memory allocation in UART RX routine to fix rare system crash brought on by insufficient memory.
- Fixed configuration settings being inadvertently modified due to data structure corruption when multiple timeouts occur during a RX task. Task priority and timeouts have been restructured to avoid this case.

1.2 New Features

- None

1.3 PC Tools

Firmware 1.10 is used with the following PC tools included in the firmware package, or downloaded from the appropriate product pages below.

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|------------------------------------------|--------------------------------------------|
| • IS187x_202_BLEDK3v1.10_UI1.00 | Configuration Editor for IS187x/BM7x |
| • BLEDK3 Manual Test Tool v0.38 | Utility to test Manual Pattern Commands |
| • BLEDK3 Auto Pattern Test Tool v1.0_007 | Utility to test Auto Pattern Mode Commands |

1.4 Ordering Information

At the time of this publication 1.10 is released only as a firmware image on the product pages below. Contact your Microchip representative if 1.10 is required on BM70/71 module.

- www.microchip.com/BM70
- www.microchip.com/BM71
- www.microchip.com/IS1870
- www.microchip.com/IS1871

1.5 Firmware Update

BM70/71 modules and EVB, such as PICTails, can be updated to firmware 1.10 using the PC Utilities mentioned previously. The utilities are provided in the firmware package that can be downloaded from the appropriate product pages described above. To perform a firmware update follow the instructions provided in the firmware release.