MRF Firmware Updater for WCM Development Kit 1

Version 310C.02  
Released 2014-09-04

Introduction

This document will guide you through the process of updating the firmware on your MRF24WG0MA radio module located on the WCM Development Kit 1. The purpose of this update is to make sure that the firmware in the MRF24WG0MA radio supports the latest version of demo code in the WCM Development Kit 1, the latest version of the Microchip Amazon Machine Image (AMI) used with the WCM Development Kit 1, and the latest version of MPLAB® Harmony Integrated Software Framework.

Steps to Update Your MRF24WG0MA Firmware

1. Program the MRF24WG_PIC32_Flash_Updater_v310C.02.X.production.hex into the WCM Development Kit 1

2. Using new batteries, or USB power source, power on the the WCM Development Kit 1

3. The red “LOW BATT” LED (D7) should be on indicating the board is in idle mode

4. Initiate the firmware update by pressing the switch S1

   (a) The red “LOW BATT” LED (D7) will turn off and the green LEDs, D1, D2, D3 and D4, will turn on indicating the update is taking place

   (b) **NOTE**: Do not power off or interact with the device at this time or your update may be corrupted; the update may take up to 20 seconds to complete

5. When the update completes, the green LEDs, D1, D2, D3 and D4, will turn off and the blue LEDs, D5 and D6, will turn on

6. You can now program the WCM Development Kit 1 with the latest version of the demo code that can be found at [http://www.microchip.com/iot](http://www.microchip.com/iot)

Revision History

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<td>310C.01</td>
<td>2014-08-25</td>
<td>DGC</td>
<td>Initial Release of Document</td>
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<tr>
<td>310C.02</td>
<td>2014-09-04</td>
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<td>Fixed error in the procedure regarding LED sequence</td>
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