

Mercury System

Framework v1.2.0

Release Notes

IoT and Connectivity Made Simple

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Revision Log				
Author	Date	Major	Minor	Description
Francesco Ficili	31/12/2018	1	0	Framework Version 1.0.0 release notes.
Francesco Ficili	08/05/2019	1	1	Framework Version 1.1.0 release notes.
Francesco Ficili	03/11/2019	1	2	Framework Version 1.2.0 release notes.

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1. Introduction

This document provides the release notes for the current Mercury System Framework (MSF in short), providing also information about compatibility with the Microchip Technology toolchain and information about known issues and fixed bugs. For more information about the MSF check the MSF user manual (MS_FrameworkUserManual).

2. Release History

The following table resume the release history of the MSF:

MSF Release	Date	Details
1.0.0	31/12/2018	First framework release.
1.1.0	05/08/2018	Framework: New API support for: <ul style="list-style-type: none">- Wifi HTTP- BT Modem command- External Interrupts handling- Query API for I2C (write + read)- Wdg Support (configuration only) Improvement of I2C communication speed. Slave Update Package: <ul style="list-style-type: none">- New commands support for SB130
1.2.0	03/11/2019	Framework: Bugfixing: <ul style="list-style-type: none">- Some bugfixing on the terminal interface and added timeout for read operation (so the terminal doesn't hang in case of a non-responding slave)- Fixed a bug in I2C driver read operation, which was causing the master to clock out an additional byte from the slave.

3. Compatibility

The following section resume the MSF SW compatibility and HW support.

Microchip Technology Toolchain Compatibility

This MSF release is compatible with the following Microchip Technology Toolchain:

Microchip Tool	Version	Notes
MPLab X IDE	5.10	
XC8 Compiler	1.45	

Mercury System BB Support

This MSF release supports the following Mercury System Base Boards (BB):

BB Model Name	HW Version	Notes
BB110	1.0	

Modem Support

This MSF release supports the following Modems (both MS and third party):

Modem Type	Supported Modem	HW Version	Notes
WiFi	MB210	1.0	
Bluetooth	MB310	1.0	
GSM/GPRS	FT1308M	NA	

Slave Support

This MSF release is no more compatible with the old version of the Slave FW package (1.1.0). To allow communication with this new framework release, the slaves board must be updated to Slave FW package 1.2.0.

Package Name	Version	Notes
SlaveFwUpdatePackage	1.2.0	

4. Known Issues

The following table resume the list of known issue for the current MSF release:

Issue ID	Description
I2C Compatibility	The current version of MSF is only compatible with slaves FW of version 1.2.0 or more recent.

5. Fixed Bugs

The following table resume the list of fixed bugs in the current MSF release:

Fixed Bug	Description