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| Mercury System |
| Framework v1.2.0 Release Notes |
| IoT and Connectivity Made Simple |

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| Francesco Ficili  31/12/2018 |

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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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# 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).

# 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:   * 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:**   * New commands support for SB130 |
| 1.2.0 | 03/11/2019 | **Framework:**  Bugfixing:   * 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. |

# 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 |  |

# 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. |
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# Fixed Bugs

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

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| --- | --- |
| **Fixed Bug** | **Description** |
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