



mcModule120 mcOS Release Notes:

v0.9.615

Features:

- Device time now operates on UTC time.
- Beacon publish to MQTT can be customized from the default topic of "mcThings/beacon/{gateway UID}/{device UID} by having the ability to completely disable the publish or set a fixed topic for all beacons.

Bug Fixes:

- Parsing a true JSON value did not work properly.
- Platform stability improvements.
- Connection improvements.

v0.8-415

Features:

- None

Bug Fixes:

- Fixes an issue where the shallow copy of an object using clone would not correctly make a clone of the object.
- Fixes issues with managed memory and garbage collection that could cause the device to reset.

v0.8-414

Features:

- None

Bug Fixes:

- Fixed deletion of pended tx Messages.
- Fixed insufficient memory on messages.

v0.8-413

Features:

- None

Bug Fixes:

- Under certain conditions use of a Message object could cause the device to become unresponsive.

- Corrects an issue which led to higher than expected power consumption.

v0.8-412

Features:

- None

Bug Fixes:

- mcAir major fixes and connection improvements.

Note:

- Must update the associated Gateway Host Processor to v0.8-XXX

v0.7-411

Features:

- None

Bug Fixes:

- Under certain high memory use conditions the device could become unresponsive.
- After a runtime exception, the device could become unresponsive.

v0.7-410

Features:

- Default beacon data is reset to 0.
- When disconnecting from a debug session, the device will execute the code loaded in the memory.

Bug Fixes:

- Fixes the GetRange function on lists.
- Receiving pub/sub deliveries under quick success could cause the device to not receive further deliveries.
- Under certain high memory use conditions the device could become unresponsive.
- Fixes the Remove and RemoveRange functions on lists.
- Converting large JSON objects to strings no longer cause the device to become unresponsive.
- Applies workaround for a silicon errata that can cause random ram data retention problems.
- Applies workaround for a silicon errata that can cause problems with SPI transfers.

v0.7-409



Features:

- None

Bug Fixes:

- Under certain conditions the VM threads could become unresponsive.
- String TrimLeft and Trim functions did not work correctly.
- Use of large amounts of memory could cause the device to become unresponsive.

v0.7-408

Features:

- None

Bug Fixes:

- I2C pins were erroneously considered invalid by the VM.

v0.7-407

Features:

- None

Bug Fixes:

- Connection stability improvements.

v0.7-406

Features:

- Increased Tx retries on Debug mode.

v0.7-405

Features:

- None

Bug Fixes:

- Casting is done correctly for user defined classes and inherited objects.
- Repeated running of code in a debug session could cause the device to run out of memory.
- Float.Pow function did not work correctly.
- Limit maximum I2C speed to 250000kHz.
- String.StartsWith did not work correctly.

v0.7-404

Features:

- None

Bug Fixes:

- Shared I2C type objects could cause the device to behave unusually.
- Accelerometer is now turned off on power up.

v0.7-403

Features:

- None

Bug Fixes:

- Format specifier "L" on DateTime object conversion to string created an invalid string. This still showed up as a valid string within the debug environment.
- Format specifier "X#" for hexadecimal string conversion did not work correctly.



v0.7-402

Features:

- None

Bug Fixes:

- mcDev communication was not handled properly.

v0.7-401

Initial Release.