

M6 Reader Firmware Release

Firmware Version 4.9.3 for the M6 Reader

These release notes describe the features of M6 firmware (FW) ver. 4.9.3 for the M6 reader relative to version 4.9.2. A new version of the API was released at the same time to support the new features, which is version 1.11.2.

For a full description of how to use the M6 reader, refer to The *Mercury6 User Guide (875-0058)*, available at <http://rfid.thingmagic.com/devkit>

New Features in this Release

EN 302 208 version 1.4.1 support

As of this release, the EU version of the M6 reader now supports version 1.4.1 of the EN 302 208 regulatory requirements (scheduled to be published in the ETSI official journal in February of 2012).

ISO 18000-6B Support

The ISO 18000-6B protocol is now supported in the LLRP version of the M6 reader, as an extension to LLRP. Read, write, and lock functions are supported. A modulation-depth setting has been added to optimize performance for both older and newer tags, and a delimiter option has been added to support a wider range of tags which are based on this standard, such as Transcore eGo® tags.

Operational Notes

Stand-alone Data Write Command Only Supports Antenna 1

If an independent data write command is executed, it will only operate over antenna port 1, regardless of which antenna port is specified to be active. The work-around is to use the embedded TagOps version of this command, which will operate over all specified antennas.

Persistent vs Run-time Power Settings

Some users have noted that when they set the transmit power of the M6 via the API (or Universal Reader Assistant), the change does not appear in the M6's web interface. This is because the web interface shows the "persistent" power setting, which will be applied next time the reader is rebooted, whereas the API (or Universal Reader Assistant) indicates the run-time power setting, which only remain in effect until the reader is rebooted.