



Sierra Wireless Android RIL Release Notes

Lollipop 5.1 ARM RELEASE

Revision:	V5.1.9.0
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1 General

1.1 Purpose

This document describes the Sierra Wireless Android Lollipop 5.1 ARM RIL Release.

1.2 Summary of Document Revision History

Date	Author	Summary of Changes
26 Feb 2016	Stanley Ng	Initial version for V5.1.9.0

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2 Supported Configurations

2.1 Release Configurations Supported

These release notes apply to the following release configurations:

AndroidRIL_V5.1.9_ARM_5.1_V1.0_bin
Android RIL version 5.1.9.0
Supports ARM based processors,
For Android Lollipop (5.1) 32bit user space.
Binary only release

2.2 Sierra Modules Supported

The Android RIL supports the following devices and firmware versions:

- MC8305 (G3K) - firmware version 1580 and 3.3
- MC8355 (G3K) - firmware version 1580 and 3.3
- MC7700 - firmware version SWI9200X_03.05.16.01 (or greater)
- MC7710 - firmware version SWI9200X_03.05.16.01 (or greater)
- MC7750 - firmware version SWI9600M_03.05.10.05 (or greater)
- SL909x - firmware version 331403 (and greater)
- SL8092 - firmware version SWI6600P_02.00.01.01 (or greater)
- MC7354 - firmware version SWI9X15C_05.04.02 (or greater)
- MC7304 - firmware version SWI9X15C_05.04.02 (or greater)
- EM7330 - firmware version SWI9X15C_05.05.22 (or greater)
- EM7305 - firmware version SWI9X15C_05.05.16 (or greater)
- EM8805 - firmware version SWI9X15C_05.05.16 (or greater)
- MC/EM7355 - firmware version SWI9X15C_05.05.16 (or greater)
- MC/EM7455 - firmware version SWI9X30C_02.02.00.00 (or greater)
- HL7518 - firmware version HL75xx.2.13 (or greater)
- HL7519 - firmware version HL75xx.2.13 (or greater)
- HL7528 - firmware version AHL7528.2.6.151000 (or greater)
- HL7538 - firmware version AHL7538.1.0.152100 (or greater)
- HL7539 - firmware version AHL7539.1.0.152101 (or greater)
- HL7548 - firmware version HL75xx.A.2.13 (or greater)
- HL7549 - firmware version BHL7549.1.3.15200 (or greater)
- HL7588 - firmware version AHL75xx.A2.6.151600(or greater)
- HL8518 - firmware version AHL85xx.5.13.2.3 (or greater)
- HL8528 - firmware version AHL85xx.5.13.2.3 (or greater)
- HL8529 - firmware version AHL85xx.5.13.2.3 (or greater)

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- HL8548 - firmware version RHL85xx.5.5.12.0 (or greater)
- HL8549 - firmware version RHL85xx.5.5.12.0 (or greater)

The MC7700 and MC7710 modules can be configured to operate in “QMI Mode” or “Direct-IP” mode. For this RIL to operate properly, the devices must be in “QMI Mode”.

MC73xx, MC7750, MC8305, MC8355 and SL909x only support QMI mode so they will work by default.

MC73xx support multi PDN by default, it needs to switch back to single PDN to work with Android RIL.

HL75xx and HL85xx modules can be configured to different USB composition mode. For RIL to operate properly, modules must be in ECM or NCM mode.

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3 Revision History

3.1 Version 5.1.9.0

- Initial support for Android 5.1 Lollipop for ARM
- Add Sprint OMADM user interface as independent application
- Add support to HL7519 and HL8549
- Fix Android framework doesn't allow CDMA data call without SIM issue

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4 Known Limitations

The following known issues exist in Android 5.1.9 RIL. We will work to resolve them in a future release.

- NIL

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5 Planned Feature Enhancements

5.1 Planned Feature Enhancements

The following features are planned to be supported in a future release of the RIL:

- TBD