Device Errata
NL-SW-LTE-S7618RD
NL-SW-LTE-S7648
Skywire® Modems
NimbeLink Corp
Updated: March 2021

© NimbeLink Corp. 2021. All rights reserved.

NimbeLink Corp. provides this document in support of its products for the internal use of its current and prospective customers. The distribution of this document, and the information it contains, does not create any right or license in any party to use the information. Modification or redistribution of this document is prohibited.

Products referenced in this document may be modified or discontinued at any time. All NimbeLink products are sold subject to agreed upon terms and conditions. If no written agreement exists, all NimbeLink products are sold subject to NimbeLink’s then current Terms and Conditions.

While efforts are made to ensure accuracy, typographical and other errors may exist in this document. This document, and the information it contains, is provided without warranty of any kind, including but not limited to implied warranties of merchantability, fitness for a particular purpose and non-infringement.

By accepting this document, you agree to the foregoing, as well as agree that NimbeLink shall have no liability for damages of any kind based on your use of this document, or the information it contains, including but not limited to any direct, indirect, special, or consequential damages.

Skywire and NimbeLink are registered trademarks of NimbeLink Corp. All other trademarks appearing in the document are the property of their respective owners.
# Table of Contents

- Table of Contents                                                                 2
- Applies to NimbeLink Part Numbers                                              3
- Applications Affected                                                           3
- How to Identify Affected Devices                                                3
- Workarounds                                                                    4
- Contact                                                                        4
- Version Information                                                             4
1. Applies to NimbeLink Part Numbers

<table>
<thead>
<tr>
<th>Affected Part Numbers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NL-SW-LTE-S7648</td>
<td>Skywire 4G LTE CAT 1 Modem</td>
</tr>
<tr>
<td>NL-SW-LTE-S7618RD</td>
<td>Skywire 4G LTE CAT 1 Modem</td>
</tr>
</tbody>
</table>

2. Applications Affected

This Errata affects applications using the serial UART AT command interface or using the modems USB AT command interface. The default state of AT+CMEE is set to 2 instead of 0 on affected devices. This will cause the modem to output a verbose error message instead of a general "ERROR" message.

3. How to Identify Affected Devices

Affected devices can be identified by checking their serial number and the assembly number on the devices label. All devices with assembly numbers 1001641 REV D or 1001636 REV C with serial numbers starting with SU are affected.

The serial number is shown in the image below inside of the orange box and the assembly number is located inside of the blue box.
4. Workarounds

Applications using affected modems can work around this issue by disabling the verbose error reporting. To do this issue AT+CMEE=0 to the modem's AT command interface. This command will need to be issued to both the UART AT command interface and the USB AT command interface.

5. Corrective Action

The manufacturing test process has been updated to ensure that the verbose error mode setting is set to the default setting (CMEE=0) during the functional test on both the UART and USB AT command interfaces. To denote this process change the assemblies revision letter has been incremented. This change is implemented on NL-SW-LTE-S7648 devices with assembly number 1001641 REV F or later and on NL-SW-LTE-S7618RD with assembly number 1001636 REV D or later.

6. Contact

For further information please contact NimbeLink Technical Support: product.support@nimbelink.com.

7. Version Information

<table>
<thead>
<tr>
<th>Version</th>
<th>Notes</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>- Initial Release</td>
<td>2021/03/04</td>
</tr>
<tr>
<td>B</td>
<td>- Updated assembly number in Section 5</td>
<td>2021/03/24</td>
</tr>
</tbody>
</table>

This document identifies known exceptions to the functional specifications for the Skywire® modem product line and may include notes on conditions impacting performance outside of normal ranges. Conditions documented here may or may not be addressed in future revisions of products or product documentation.

For further information, NimbeLink customers may contact product.support@nimbelink.com.