

Device Errata

NL-SW-LTE-S7618RD

NL-SW-LTE-S7648

Skywire[®] Modems

NimbeLink Corp
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1. Applies to NimbeLink Part Numbers

Affected Part Numbers	Description
NL-SW-LTE-S7648	Skywire 4G LTE CAT 1 Modem
NL-SW-LTE-S7618RD	Skywire 4G LTE CAT 1 Modem

2. Applications Affected

This Errata affects applications using the serial UART interface that do not control DTR, nor pull DTR low on the baseboard. The default state of the +KSLEEP value is set to 0 instead of 1 for the affected date codes below and the UART will stop communication if the DTR pin is left floating.

This does not affect applications using the USB interface.

3. How to Identify Affected Devices

Devices with the following date codes are affected:

- 4519
- 4719
- 4819
- 4919
- 5319
- 0120
- 0920

The date code is the last four digits of the modems serial number located on the modems label.



4. Workarounds

Applications using the UART with affected modems can work around this issue in any of the following ways:

- Issue AT+KSLEEP=1 command to the modem over the USB interface to restore the default KSLEEP state.
- Assert the DTR pin low from the host controller.
- Ground the DTR pin with a 1K Ohm pull down resistor or, if the DTR signal is not going to be connected to a host controller, tie DTR directly to ground.

5. Contact

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

6. Version Information

A	GJN	Initial draft		2020/07/01
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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.