



# Skywire® Global LTE CAT-M1

## NL-SW-LTE-QBG96

### SMS Example

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# 1. Introduction

## 1.1 Orderable Part Numbers

Orderable Device	Description	Carrier	Network Type
NL-SWDK	Skywire Development Kit	Any	Any
NL-SW-LTE-QBG96	LTE CAT M1	Any	LTE

## 1.2 Prerequisites



This document assumes you have completed the initial setup of your modem and development kit. If you have not completed those steps, refer to the Skywire® Development Kit User Manual and complete the modem setup before proceeding.

## 1.3 Notes

SMS capability on the Verizon network is only between CATM1 devices at this time. This means, for example, that you will not be able to send a SMS message to your CATM1 device from your personal cell phone, and vice versa.

Additionally, you are not able to send an SMS message to your CATM1 device from your personal phone, and vice versa, on the AT&T network.

## 2. SMS Message

### 2.1 Send SMS Message

In the terminal program, type the command:

```
AT+CMGF=1
```

followed by the Enter key, and the terminal should respond with:

```
OK
```

Substitute the destination phone number for the example 5554443333.

Then type:

```
AT+CMGS="15554443333"
```

followed by the Enter key, and the terminal should respond with:

```
>
```

At this point you can type a custom message (keep to less than 160 characters).

To send the message, press the **CTRL** and **Z** keys at the same time.

If successful, the terminal should respond with:

```
+CMGS: xx
```

### 2.2 Receive SMS Messages

In the terminal program, type the letters:

```
AT+CMGF=1
```

followed by the Enter key, and the terminal should respond with:

```
OK
```

Then type:

```
AT+CMGL="REC UNREAD"
```

followed by the Enter key,

If the terminal responds with

```
OK
```

then there are no messages.

Otherwise, the terminal responds with the first message in the form:

```
+CMGL=index, message_status, address, [address_text], [time_stamp]  
[address_type, body_length] <CR> <LF> sms_message_body[<CR> <LF>  
+CMGL: ...]
```

This is an example:

```
+CMGL: 0,"REC UNREAD","5554443333","",20130925202238
```

## SMS message

### 2.3 Delete Received SMS Messages

To delete all received SMS messages, type the following letters in the terminal program:

**AT+CMGD=1,4**

followed by the Enter key, and the terminal should respond with:

**OK**

To delete a specific SMS message, type the following letters in the terminal program:

**AT+CMGD=x**

where **x** is the index of the SMS message you would like to delete, and hit the Enter key. For instance, to delete the SMS message located at index position 2, type:

**AT+CMGD=2**

followed by the Enter key, and the terminal should respond with:

**OK**

## 3. Troubleshooting

- When sending a text message from the Skywire® modem, if you get a successful send message but never receive the SMS message, try adding a plus sign (+) before the phone number when you get to the AT+CMGS command in Section 2.1:

**AT+CMGS="+15554443333"**

- If you are not able to receive SMS messages, issue:

**AT+CPMS="ME","ME","ME"**

and try again. This changes the SMS storage from the SIM card to the Skywire.