

Application Note

Configuring the M113 Cellular Modem for Verizon Mode

> Part Number APP-0038 Revision A December 2019

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Revision History

Date	Rev.	Comments
December 2019	А	Initial document, Shaun Elliott

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Overview

Out of the box, the M113 is set to the **+UMNOPROF: 0: SW** default U-Blox profile. If you're using a private APN, you may need to change to the Verizon profile to properly provision the SIM card. This document provides information on changing the M113 to the Verizon profile. It also shows how to validate network attachment data connectivity. This document only applies to the Verizon network in the United States and Canada on Lantronix part number M113F002S. For a full list of AT-Commands see the <u>Sara-R4 ATCommands</u> guide from U-Blox.

Selecting the Verizon Profile & Programming the APN

All AT commands that need to be sent to the m113 are in blue. Modem responses are in bolded black.

Read current profile: AT+UMNOPROF=?

Example response (Your response could be different. Select whichever number that corresponds to Verizon. *In this example we use 3*):

+UMNOPROF: 0: SW default 1: SIM ICCID select 2: ATT 6: CT 4: Telstra 5: TMO 3: Verizon

ОК

Set to Verizon profile: AT+UMNOPROF=3

Example response: OK

Verify Setting: AT+UMNOPROF?

Example response:

+UMNOPROF: 3

ОК

Set APN: AT+CGDCONT=1,"IP","<YOUR_APN>"

Example response: OK

Reset module: AT+CFUN=15

Example response: OK

Checking for Network Registration, Attachment and IP Address

For more information see page 44 of Sara-R4 ATComands guide from U-Blox

Verify Setting: AT+CGATT?

Example response:

+CGATT: 1

ОК

Check for network registration: AT+CEREG?

Example response:

+CEREG: 0,5 *

ОК

Verify PDP context parameters: AT+CGDCONT?

In this example response you should see your APN and IP address:

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