



# Single SKU AT Command Application Note

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# APPLICABILITY TABLE

## PRODUCTS

■ ■ LE910-NA V2

■ ■ LE910-NA1

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# 1. INTRODUCTION

## 1.1. Scope

The following document describes how to use Telit single SKU (dual firmware image) configuration, supported by LE910-NA V2 and LE910-NA1 products when ordered with this configuration.

## 1.1. Description

LE910-NA1 and LE910-NA V2 are orderable either in single image or in dual image (single SKU) configuration, installed at Telit factory. Customers will thus manage single SKU inventory vs multiple variants.

The modules stores two firmware images in the same flash (AT&T/TMO/Canada Operators & Verizon Wireless) and the choosen image is loaded at boot time:

- AT&T/T-Mobile/Canada image with LTE Bands B2(1900), B4(1700), B5(850), B12 (700), B13(700) & UMTS B2(1900), B5 (850)
- Verizon image with LTE Bands B2(1900), B4(1700), B13(700)

## 2. AT COMMAND

The AT command required to switch between the two firmware images (AT&T/TMO/Canada Operators to Verizon and vice versa) is **AT#FWSWITCH**.

### 2.1. Set Active Firmware Image - AT#FWSWITCH

#FWSWITCH – Set Active Firmware Image	SELINT 2
<b>AT#FWSWITCH</b> <b>=&lt;image_number&gt;</b> <b>[,&lt;storage_conf&gt;]</b>	<p>Set command allows enabling a specific firmware image on products embedding 2 different firmware images.</p> <p>Parameters:</p> <p>&lt;image_number&gt; - Firmware Image To Be Enabled  0 – AT&amp;T Image (Default)  1 – Verizon Image</p> <p>&lt;storage_conf&gt; - Setting Storage Configuration  0 – Save the &lt;image_number&gt; value in RAM (Default)  1 – Save the &lt;image_number&gt; value in NVM</p>
<b>AT#FWSWITCH?</b>	<p>Read command reports the current active firmware image:</p> <p>#FWSWITCH =&lt;image_number&gt;</p>
<b>AT#FWSWITCH=?</b>	Test command reports the range of supported values for parameters <image_number>,<storage_conf>
Example	<p>Switch to Image 1:</p> <p>AT#FWSWITCH =1,1  OK</p>
Note	<p>This AT command performs a system reboot.</p> <p>With the current AT command implementation, the 0 value for &lt;storage_conf&gt; does not have any effect, i.e. a system reboot is performed but the &lt;image_number&gt; value is not actually saved. Therefore, the enabled &lt;image_number&gt; can be currently saved using only the 1 value for &lt;storage_conf&gt;.</p> <p>The behaviour described above is only temporary; future implementations will allow the enabled &lt;image_number&gt; to be saved in RAM also.</p>

## 2.2. Example

AT+CGMI

Telit

OK AT+CGMM LE910-NA V2

OK AT+CGMR

20.00.502 ← **ATT FW**

AT#FWSWITCH?

#FWSWITCH: 0 ← **ATT image**

OK

Switch to VERIZON Image

AT#FWSWITCH=1,1 ← **SWITCH TO VERIZON FW**

OK AT+CGMR

20.00.002 ← **SV FW**

OK AT+CGMI

Telit

OK AT+CGMM LE910-NA V2

OK AT#FWSWITCH?

#FWSWITCH: 1

OK

AT#FWSWITCH=0,1 ← **Switch Back to ATT FW**

OK



### 3. DOCUMENT HISTORY

Revision	Date	Changes
0	2017-03-09	First issue



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