

Information Note

Topic SARA-G450-00C Initial Production
UBX-18067098
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1 Affected Products

Product Name	Order Code	Type No	Modem version	Application version	Remarks
SARA-G450	SARA-G450-00C	SARA-G450-00C-00	09.02	A02.01	

2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others

3 Description of Change

Known limitations. See annex A.

4 Schedule

This information is effective as of 4th December, 2018.

5 Customer Impact and Recommended Action

N/A.

6 Reference Documents

- [1] SARA-G450 Data Sheet (UBX-18006165)
- [2] u-blox AT Commands Manual (UBX-13002752)
- [3] SARA-G450 System Integration Manual (UBX-18046432)

Annex

A Restrictions compared to specifications

A.1 Hardware

- Main UART interface: the modem status and control lines (DSR and DCD) behavior is not as expected and must not be considered.

A.2 Firmware

- Even if +CIEV and +CIND URCs are enabled by default, the information text response to the +CMER read command provides a different indication.
- When a new phonebook item is written in the default "SM" memory, the <text> field is not stored. Workaround: set "GSM" as TE character set by means of the +CSCS AT command.
- Data loss might occur during transfer of files greater than ~ 100 kB via direct link mode and low UART data rate (9,600 b/s).
- It is not possible to download a file by means of the +UDWNFILE AT command over the MUX interface.
- In order to disable the greeting text, the +CSGT AT command shall be issued specifying at the end an empty string. So the exact syntax is: AT+CSGT=0,""
- The last four parameters of the +CIND read command provide inconsistent results.
- Over the MUX interface some URCs do not appear on all the ports.
- If the <mt> parameter of +CNMI AT command is set to 2, then during a new SMS reception the SMSes are permanently stored in the memory. Workaround: to free the memory space, issue the +CMGD AT command.
- Once +UPSV is configured to 2 (power saving controlled by UART RTS line), if the AT+UPSV=0 command is issued the module replies with the OK final result code even if the module continues to behave as +UPSV: 2. Workaround: first issue AT+UPSV=1 and then AT+UPSV=0.
- The GPIO settings are not stored in the NVM. Workaround: at every boot perform again the GPIO configuration.
- The +CIEV URC has a different behavior compared to other u-blox 2G products. In fact, the name of the parameter of +CIND is shown instead of the relative number.