

Telit Sprint DG OMA-DM AT Commands

1.1.1.1.1 *Set Client Polling- +OMAPOLL*

+OMAPOLL – Set Client Polling	
AT+OMAPOLL=<flag>	Enable/Disable Sprint Client Polling Mechanism. Parameter: <flag> : 1 – Enable Polling 0 - Disable Polling.
AT+OMAPOLL?	Read command returns return the current OMA-DM Polling setting.
AT+OMAPOLL=?	Test command returns the supported parameters.
Example	AT+OMAPOLL=1 OK
Reference	3GPP TS 27.007

1.1.1.1.2 *Hands Free Activation Command- +HFA*

+HFA – Hands Free Activation Command	
AT+HFA=<flag>	Enable/Disable Sprint HFA Mechanism. Starts A CI HFA (DC+PRL+FUMO). Parameter: <flag> : 0 - Disable HFA. 1 – Enable HFA 2 – Starts Client Initiated HFA Session Pay attention: The HFA Session includes: 1. DC session 2. PRL session 3. Reboot 4. Fumo session
AT+HFA?	Read command returns return the current OMA-DM HFA setting.
AT+HFA=?	Test command returns the supported parameters.
Example	AT+HFA=1 OK AT+HFA=2 OK
Reference	3GPP TS 27.007

1.1.1.1.3 *Set OMADM Capabilities Command - +OMADM*

+OMADM – Set OMADM Capabilities Command	
AT+OMADM=<flag>	Enable/Disable Sprint Device Configuration Mechanism. Starts A CI OMADM Session. Parameter: <flag> : 0 - Disable OMADM. 1 – Enable OMADM. 2 – Starts Client Initiated OMADM Session Pay attention: The OMADM Session includes: 1. DC session 2. Reboot
AT+OMADM?	Read command returns return the current OMA-DM DC setting.
AT+OMADM =?	Test command returns the supported parameters.
Example	AT+OMADM=1 OK AT+OMADM=2 OK
Reference	3GPP TS 27.007

1.1.1.1.4Set PRL Capabilities Command - +PRL

+PRL – Set PRL Capabilities Command	
AT+PRL=<flag>	Enable/Disable Sprint Device Configuration Mechanism. Starts A CI PRL. Parameter: <flag> : 0 - Disable PRL. 1 – Enable PRL. 2 – Starts Client Initiated PRL Session
AT+PRL?	Read command returns return the current OMA-DM PRL setting.
AT+PRL =?	Test command returns the supported parameters.
Example	AT+PRL=1 OK AT+PRL=2 OK
Reference	3GPP TS 27.007

1.1.1.1.5Set OMA Maintenance Window Command - +OMAMW

+OMAMW – Set OMA Maintenance Window	
AT+OMAMW=<time>	Set the OMADM Maintenance Window. If the Maintenance Window is set the unit will perform reboot only when the clock reach the Maintenance Window. Parameter: <time>: in 24 hour format, UTC time Setting time to zero will disable the Maintenance Window
AT+OMADM?	Read command return the current value of time
AT+OMADM =?	Test command returns OK

+OMAMW – Set OMA Maintenance Window	
Example	AT+OMAMW="01:00" -> sets the MW to 1 AM OK AT+OMAMW="13:00" -> sets the MW to 1 PM OK AT+OMAMW="0" -> Disable the MW
Reference	3GPP TS 27.007

Lab Commands

1.1.1.1.6 Set Sprint Polling Interval Command- #SPPRL

#SPRPL – Set Sprint Polling Interval	
AT#SPRPL= <polling_interval>	Set the device the device polling interval before performing a DC+PRL session. Parameter: < polling_interval > - in hours (default 720: 30 days)
AT#SPRPL?	Read command returns the polling interval value.
AT#SPRPL=?	Test command returns the OK result code.
Example	AT+OMAPOLL=1 AT#SPRPL=1 -> set the polling timer to 1 hour
Reference	3GPP TS 27.007

1.1.1.1.7 Device Reset Command- \$RTN

\$RTN – Device Reset Command	
AT\$RTN= <spc>	Set the device to factory defaults and power cycle the device if the correct SPC is entered. Parameter: <spc> - the SPC of the device (default: 000000) are mandatory), range is -96..+96
AT\$RTN?	Read command returns the OK result code.
AT\$RTN=?	Test command returns the OK result code.
Example	AT\$RTN=000000 OK
Reference	3GPP TS 27.007

1.1.1.1.8 Debug Information Command- \$DEBUG

\$DEBUG – Debug Information Command	
AT\$DEBUG?	Return the list of debug information
Example	AT\$DEBUG? OK

\$DEBUG – Debug Information Command	
	<p>LTE Engineering:</p> <p>IMSI: "310120052246488" State: idle PLMN ID: 310 120 PCI: 157 Band: 25 UL channel: DL channel: 8665 RSRP: -88dBm RSRQ: -6dB RS-SINR: 193dB RSRP: -88dBm RSRQ: -6dB RS-SINR: 193dB Tx Pwr: IP - internet: IP - ota: Error: 36 APN: internet: n.ispsn OTA : otasn</p> <p>CONFIGURATION:</p> <p>Technology: LTE 1x Diversity: Not Supported EVDO Diversity: Not Supported QLIC: Not Supported PRL: Not Supported Chipset: MDM9607 AMSS Version: LE.1.0.1 Device Version: 25.00.242 HW Version: 21 Data Status IP Address (EVDO): Not Supported 1X: Not Supported Last Error Code: Not Supported</p> <p>OK</p>
Reference	3GPP TS 27.007

1.1.1.1.9 Display Client Status Message- +OMASTAT

+OMASTAT – Display Client Status message	
AT+OMASTAT= <flag>	<p>Enable/Disable the device Status messages.</p> <p>Parameter: <flag> : 0 - Disable Client Status Messages. 1 – Enable Client Status Messages (number messages). 2 - Enable Client Status Messages (text messages).</p>

+OMASTAT – Display Client Status message	
AT+OMASTAT?	Read command returns a list of status messages from the Sprint Client: 000 Polling Timeout 100 OMA NIA Received 101 Connecting to OMA DM Server 102 Connection to OMA DM server failed 103 OMA Session Completed 200 Starting CI DC 201 CI DC Completed 202 CI DC Failed 203 Starting CI PRL 204 CI PRL Completed 205 CI PRL Failed 206 Starting CI FUMO 207 CI FUMO Completed 208 CI FUMO Failed 300 Radio reset required 301 Radio reset complete 302 Waiting on idle/dormant state for radio reset 400 Downloading FUMO Binary 401 Download of FUMO Binary Complete 402 Rebooting for FUMO install 403 FUMO install completed 404 No FUMO Update available 405 Waiting for next maintenance window for reset or reboot. 500 Conditions in DM-HFA-05 requires HFA to run. 501 HFA Completed 502 407 code Received from DM server 503 Waiting for HFA Retry
AT+OMASTAT=?	Test command returns the supported parameters.
Example	AT+OMASTAT=1 OK
Reference	3GPP TS 27.007

HFA Session:

AT+HFA=1

AT+HFA=2

OMASTAT Message:

500 Conditions in DM-HFA-05 requires HFA to run.
200 Starting CI DC
101 Connecting to OMA DM Server
103 OMA Session Completed
201 CI DC Completed
203 Starting CI PRL
101 Connecting to OMA DM Server
103 OMA Session Completed
204 CI PRL Completed
----- REBOOT -----
206 Starting CI FUMO
101 Connecting to OMA DM Server
103 OMA Session Completed
404 No FUMO Update available
208 CI FUMO Failed
501 HFA Completed

OMADM Session:

AT+OMADM=1

AT+OMADM=2

OMASTAT Message:
200 Starting CI DC
101 Connecting to OMA DM Server
103 OMA Session Completed
201 CI DC Completed
----- REBOOT -----

PRL Session:

AT+PRL=1

AT+PRL=2

OMASTAT Message:
203 Starting CI PRL
101 Connecting to OMA DM Server
103 OMA Session Completed
204 CI PRL Completed

FOTA Session:

AT#SWMENA=1 -> Set the SWM to enable

AT#SWMCFG=,3 ->Set the PDP_CID to 3

AT#REBOOT

----- REBOOT -----

AT#SWMCHKUPD ->Check if an update is available.

in the **first** Fota session the server will return release without doing nothing.

#OTAEV: #907

#OTAEV: #DREL

AT#SWMCHKUPD ->Check if an update is available

#OTAEV: #907

#SWMCHKUPD:1,8510844,LE910C1-96-243,V_25.00.243,deltafota_LE910A4_V_25.00.001-B096_to_V_25.00.243_LE910C1_NS_LE910C1_NS_CUST_046_test.upd

AT#SWMGETDP=1 -> Download the delta

#SWMDLPRGRSS: 0,8510844

#SWMDLPRGRSS: 851084,8510844

#SWMDLPRGRSS: 1702168,8510844

#SWMDLPRGRSS: 2553253,8510844

#SWMDLPRGRSS: 3404337,8510844

#SWMDLPRGRSS: 4255422,8510844

#SWMDLPRGRSS: 5106506,8510844

#SWMDLPRGRSS: 5957590,8510844

#SWMDLPRGRSS: 6808675,8510844

#SWMDLPRGRSS: 7659759,8510844

#SWMDLPRGRSS: 8510844,8510844

#OTAEV: #919

#SWMRING: 2,LE910C1-96-243,V_25.00.243,deltafota_LE910A4_V_25.00.001-B096_to_V_25.00.243_LE910C1_NS_LE910C1_NS_CUST_046_test.upd;;http://telit-swm.redbend.com:8080/DPIInfo?DPID=85304997195015616717868199607178616897

AT#SWMDEPLOYDP=1 -> Install the delta

#OTAEV: #DREL

----- REBOOT -----