

Delta SW version 7.03.xx0 - 7.03.xx1

For GT863-PY, GT864-QUAD, GT864-PY, GM862-QUAD, GM862-QUAD-PY, GM862-GPS, GC864-QUAD, GC864-PY, GE863-QUAD, GE863-PY, GE863-GPS, GE863-SIM, GE863-PRO3, GE864-PY, GE864-QUAD, GE864-QUAD AUTOMOTIVE, GE864-QUAD ATEX and GE864-QUAD ANTENNA
30273NT10767a Rev. 6 - 2009-07-30



APPLICABLE PRODUCTS

PRODUCT
GT863-PY
GT864-QUAD
GT864-PY
GM862-QUAD
GM862-QUAD-PY
GM862-GPS
GC864-QUAD
GC864-PY
GE863-QUAD
GE863-PY
GE863-GPS
GE863-SIM
GE863-PRO ³
GE864-PY
GE864-QUAD
GE864-QUAD AUTOMOTIVE
GE864-QUAD ATEX
GE864-QUAD ANTENNA



NOTE:

The applicability table shows only the products to which the document refers to. To get information about the products influenced by “Enhancement”, “New Feature” or “Bug Fixing”, please check the last column “Product affected”.



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1 Introduction

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Our aim is to make this guide as helpful as possible. Keep us informed of your comments and suggestions for improvements.

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Description
<p>New Command AT#SGACTAUTH This command is used to set the authentication mode PAP or CHAP used by Easy GPRS functionality. This command has effect on the authentication mode used on AT#SGACT or AT#GPRS commands.</p>
<p>Filename max length for FTTPUT Number of chars for FTP filenames is 200.</p>
<p>New Command AT#CCLK and extension of AT#NITZ This command supports of day light saving DST is the number of hours added to the local TZ because of daylight saving time (summertime) adjustment. Usually DST is 1 hour, but it can be also 2.</p>
<p>New Command AT#CPASMODE Enable answer =3 when MT call is waiting the first ring indication.</p>
<p>New Command AT+CPWC This ETSI command is used to set the preferred ME power class for each GSM frequency band supported.</p>
<p>New Command AT#BIQUADIN and AT#BIQUADOUT This commands allow configuring the parameters of the two cascaded digital BIQUAD filters.</p>
<p>New Command AT#LSCRIPT This command lists the files saved in flash and adds CRC16 as further information.</p>
<p>Support for SMS over GPRS.</p>
<p>New Command AT#CPUMODE This command is used to change the CPU clock mode.</p>
<p>ATRUN via SMS This service allows a user to run an AT Command via SMS (the commands are: AT#SMSATRUN, AT#SMSATRUNCFG and AT#SMSATWL)</p>
<p>ATRUN via TCP This service allows a user to run an AT Command via TCP (the commands are: AT#TCPATRUNCFG, AT#TCPATRUNL, AT#TCPATRUNFRWL, AT# TCPATRUNAETH, AT#TCPATRUND, AT#TCPATRUNCLOSE, AT#TCPATCMDSEQ and AT#TCPATCONSER)</p>
<p>EVMONI This service allows a user to associate an AT command to a specified event monitored from the module (the commands are: AT#ENAEVMONI, AT#ENAEVMONICFG and AT#EVMONI)</p>



2.2 General Enhancements

Enh. : Enhancement
New : New Feature
Fix : Bug Fixing

Type	Description	Product affected
Fix	AT#ALARMPIN=? The test was starting from 0 instead of 1 (pin 0 doesn't exist). To maintain retro compatibility, only test can be changed and only for SELINT=2	ALL
Fix	Fixed wrong answer of AT#ADC=?	GE863-GPS
Fix	#RSEN improved command behaviour	ALL
Fix	#GPIO2 changed default value #GPIO: 0,0 -> #GPIO: 1,1	ALL
Fix	AT+CALA syntax error	ALL
Fix	Fixed ATDL & ATLD behaviour	ALL
Fix	Changed default value for CSDMode	ALL
Fix	Fixed SMS sending in PDU mode	ALL
Fix	Fixed CUSD and SKTD behaviors	ALL
Fix	Fixed #FTPSIZE with no reply from network (Denmark)	ALL
Fix	Fixed problem with serial port during a CSD data call after ATH command	ALL
Fix	Fixed problem with serial when attach is forced even if rejected by the network	ALL
Fix	Passage issues between German and Polish networks	ALL
Fix	#SGACTCFG syntax errors	ALL
Fix	AT&S2 doesn't apply for Easy GPRS	ALL
Fix	AT interface issues after CRSM command	ALL
Fix	Data sent to RAM instead of serial after a failed FOTA update.	FOTA products
Fix	Improvement of FAX RX functionality	
Fix	SIM directory 7F10 not present	ALL
Fix	#SKTL - Serial problems	ALL
Fix	Low RX after +VTS during voice call	ALL
Fix	No OFF Ringer with AT+CRSL=0 moving from HS to HF or HF to HS	ALL
Fix	No audio TX during voice call	ALL
Fix	Optimization of DIAL Tones management	ALL
Fix	Issues with China Mobile SIM	ALL
Fix	ADC measure in CFUN 4	ALL
Fix	AT+CALA configuration ERROR	ALL
Enh	Factory reset for GPS	GPS products
Fix	GPIO 2 inverted for I2C for GM862	GM862
Fix	Module turned off during voice call rate test	ALL



Type	Description	Product affected
Fix	CMUX: incoming call during GPRS detach/attach It is now possible to accept incoming calls by ATA; removed interface block after remote detach	ALL
Fix	AT#GPPPCFG=? Correction on the answer	ALL
Fix	AT#SCFG: modified answer message of at#scfg=... for backward compatibility	ALL
Fix	#SCFGEXT: (1-6),(0-2),(0,1),(0,1-240),(0,1),(0) substituted by #SCFGEXT: (x),(x),(x),(0,-240),(x),(x)	ALL
Fix	AT#TCPMAXDAT : accepted values out of allowed range	ALL
Fix	AT#TCHRRANGE It was not possible to set extreme temperatures: fixed	ALL
Fix	#V24MODE: (0-1),(0,2),(0-1) substituted by #V24MODE: (0,1),(0-2),(0,1) as answer to at#v24mode=?	ALL
Fix	AT#SKTD: Blocked #SKTD towards null IP address	ALL
Fix	AT#TONE with CMUX: once launched by an instance it remains bound to it, the command couldn't be used by other instances	ALL
Fix	AT#TONE: An incoming call causes a ringing tone, rung by AT#TONE (ex. AT#TONE=0,300) on an instance, to change into a ring tone. Answering with ATA on another instance, the call won't be accepted until times out the tone duration set by the second parameter of AT#TONE	ALL
Fix	AT#STIA: SIM ToolKit not activated. Fix test 2.2.3 step 4: fail due to too many RxLevel, BCCH and BSIC not valid measurements, given by module to USIM Idle state. The fix, in idle state, before preparing the measurement list, removes cells having low levels because those cells give not valid measures.	ALL
Fix	AT+CRSM: Error state given by SIM returned as is by the +CRSM command is now different from SIM interface block situation generated by +CSIM command lock	ALL
Fix	AT+CSIM=0 was accepted even if the interface towards SIM hadn't been reserved to AT AT+CSIM=1 was accepted even if the interface had already been reserved	ALL
Fix	RULE 3 in AMR Consistency Check shall apply also when AMR modes are 4	ALL
Fix	AT+CREG missing unsolicited of registration denied: The unsolicited indication in SubAttemptingTo Update is 3 and not 2	ALL
Fix	AT&F1 command won't reset AT+CPBS current phonebook	ALL
Fix	Fixing in flow control setting during fax call and Optimization in RX data buffers	ALL
Fix	Incoming calls weren't accepted because the variable related to the previous Waiting call (for the same CallNo) was not cleaned when the waiting call was released by the network	ALL
Fix	DTMF tones stopped by incoming call dropped	ALL
Enh	LCP termination from MS completed: can be enabled by command AT#GPPPCFG accepting PPPmode as parameter: PPPmode 2: passive mode with LCP termination PPPmode 3:: active mode with LCP termination	ALL



Type	Description	Product affected
Fix	AT#SCFGEXT: Control added on fifth and sixth parameters in order to accept only digits	ALL
Fix	Fixed set command AT#STM=2, to save it into in the profiles. The value 2 was not saved in the NVM.	ALL
Fix	Giving the command AT#SD with a null IP address the response was OK instead of ERROR	ALL
Fix	Fixed behavior of FDN phonebook enabling	ALL
Fix	Missing disconnection indication handling for an held call	ALL
Fix	Unhandled network message in USSD transactions	ALL
Fix	Correction of wrong socket inactivity timer for AT#SRECV command	ALL
Fix	AT#VTS=? Didn't support pause char 'p'	ALL
Enh	AT+IFC=1,0 configuration gave error, now it is supported	ALL
Fix	Fix on software flow control for fax	ALL
Fix	AT#V24MODE? returns, as <when> parameter for ASC0, the value of ASC1	
Fix	Removed wrong NO CARRIER indication when ringing call closed by calling side (introduced as side effects of bug 3014 correction)	ALL
Fix	Enabled handling of unsolicited indications for battery charge, sounder activity and sms when activated by AT+CIND and AT+CMER commands	ALL
Fix	Missing updating of the last error code for AT#CEER	ALL
Fix	No AT on serial port with at#startmodescr=2.	ALL
Fix	AT+CSIM: added check of the value of the command 5th byte to avoid SIM failure	ALL
Fix	Fix for AT#SA in UDP case: if SRING not yet received an ERROR has to be returned(first UDP packet as connection request not yet received)	ALL
Enh	AT#SS=x was implemented as extension of originary AT#SS	ALL
Fix	Added missing check on parameters values of SCFGEXT	ALL
Fix	"000" supported as emergency number for Australia to allow emergency calls without SIM.	ALL
Enh	Added Chinese characters in UCS2 tables	ALL
Enh	Added Python built-in methods "rename" and "flashflush"	PY and GPS products
Fix	Bug fixing about managing a GPRS attach Reject message with cause "GPRS services not allowed" in order to perform correctly possible procedures concerning both protocol test 44.2.1.1.3 and network reselection activities started by the user in this situation	ALL
Fix	Fixed range of values when at#tempmon=0,1 and at#tempmon? are sent	ALL
Fix	An Error is returned to AT+CIMI and AT#CIMI if the IMSI is not available	ALL
Fix	Dynamic firewall clear was missing in case of failed DNS resolution for FTP service.	ALL



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Type	Description	Product affected
Fix	Changed #SGACT=1,0 with #SHALL in AT commands list executed during OTA	Fota products
Enh	Added context parametes, automatic context reactivation and #SCFG parameters to NVM parameter list restored after OTA upgrade	Fota products
New	AT#TCHRRANGE command for temperature limitations in charging	ALL
Fix	Fixing about the display of unsolicited "+CREG:1" during a registration procedure on a NOM1 network (for now these code changes are disabled).	ALL
Fix	Fix on AT#CSURVU and AT#CSURVC interface: if one or more defined ARFCNs are out of range the command returns ERROR instead of returning unexpected results	ALL
Fix	If several replace SMSs with same PID, sender number and service centre are present in SIM, and a new replace SMS with the same parameters incomes, the SM task tries to overwrite every replace SMS in SIM, but it doesn't handle the SIM responses, causing a memory leak. Bug fixed: the SM task overwrites only the first found SMS	ALL
Fix	Errata corrige on AT#TSVOL command	ALL
New	AT commands for BIQUAD audio filters (In/Out) configuration	ALL
Fix	AT#CEER answer aligned to the one of AT+CEER	ALL
Fix	Fix on CMUX: threshold reduced to 100	ALL
Fix	Solved problem due to listenUDP code in DNS naming resolution	ALL
Fix	Changes in multisoocket in order to solve fallino sending of the last upload racket	ALL
Fix	Upon AT+CGDCONT active context deletion	ALL
New	SMS reporting update error added of software version information	FOTA products
Fix	Pin inserted too fast after power on caused phonebook freezing	ALL
New	command AT#OAP	ALL
Fix	Bug fixing about managing an lmsi Attach or a Normal Location Updating procedure during a network registration according to SIM Card and selection parameters (see 3GPP TS 24.008)	ALL
New	Listen UDP and listen auto-response	ALL

