

Delta SW version 8.01.xx6 - 8.01.xx7

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APPLICABLE PRODUCTS

PRODUCT
UC864-E
UC864-G
UC864-WD
UC864-E-DUAL



1 Introduction

1.1 Scope

This document contains the delta software from version 8.01.005 to 8.01.006 for UC864-E/G/WD/E-DUAL products. Moreover it describes the differences of the AT command interface from the GC864 product.

1.2 Contact Information, Support

For general contact, technical support, to report documentation errors and to order manuals, contact Telit's Technical Support Center (TTSC) at:

TS-EMEA@telit.com
TS-NORTHAMERICA@telit.com
TS-LATINAMERICA@telit.com
TS-APAC@telit.com

Alternatively, use:

<http://www.telit.com/en/products/technical-support-center/contact.php>

For detailed information about where you can buy the Telit modules or for recommendations on accessories and components visit:

<http://www.telit.com>

To register for product news and announcements or for product questions contact Telit's Technical Support Center (TTSC).

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

Telit appreciates feedback from the users of our information.

1.3 Related Documents

- Telit UC864 AT Commands Reference Guide (Doc# 80000ST10025a)



1.4 Document History

Revision	Date [dd/mm/yyyy]	Changes
ISSUE #0	29/04/2008	First Release - Delta software from version 8.01.001 to 8.01.002
ISSUE #1	20/06/2008	Delta software from version 8.01.002 to 8.01.003
ISSUE #2	22/07/2008	Delta software from version 8.01.003 to 8.01.004
ISSUE #3	11/11/2008	Delta software from version 8.01.004 to 8.01.005
ISSUE #4	29/06/2009	Delta software from version 8.01.005 to 8.01.006
ISSUE #5	22/06/2010	Delta software from version 8.01.006 to 8.01.007



2 Different Functionalities between UC864-E/G and GC864-QUAD

The UC864-E/G/WD/E-DUAL makes use of a Qualcomm platform, which is different from the one used in the GC864. Due to different technologies used by the two different chipset manufacturers, there are some minor differences that are described hereafter.

Type	Description
VAUX	VAUX supply voltage is available after full power on (few seconds) of the module
AT parser	The AT parser on UC864-E/G/WD/E-DUAL acts differently (e.g. after A character (show A on HyperTerminal) and if you send a character different than T, serial port is locked; in order to send T character you must resend AT command).
IPR and Auto-bauding	The Qualcomm platform does not support the Auto-bauding on the serial port. AT+IPR=0 (auto-bauding) not supported on Serial Port. USB does not care of IPR setting and applies always auto-bauding.
AT+ICF	<p>AT+ICF (Available only value 3 – 8 Data, 1 Stop) Qualcomm platform does not support the other settings.</p> <p>AT+ICF=<format> [,<parity>] Set command defines the asynchronous character framing to be used when auto-bauding is disabled.</p> <p>Parameters: <format> - determines the number of bits in the data bits, the presence of a parity bit, and the number of stop bits in the start-stop frame. 0 – auto-detection(not support in UC) 1 – 8 Data, 2 Stop(not support in UC) 2 – 8 Data, 1 Parity, 1 Stop(not support in UC) 3 – 8 Data, 1 Stop 4 – 7 Data, 2 Stop(not support in UC) 5 – 7 Data, 1 Parity, 1 Stop(not support in UC) <parity> - determines how the parity bit is generated and checked, if present 0 – Odd 1 – Even AT+ICF? Read command returns current settings for sub-parameters <format> and <parity>. AT+ICF=? Test command returns the ranges of values for the parameters <format> and <parity> Reference V25ter Example AT+ICF = 3 – 8N1 (default)=</p>



3 08.01.007 Software Description

The 08.01.006 software version, which is an improvement of the 08.01.006, includes:

- New additional AT commands
- Enhancements from the previous SW version
 - o Enhanced AT commands (see table below)
 - o Bug Fixing

3.1 Additional AT commands

The following table lists the additional AT commands included in the software version 08.01.xx7:

UC864 Command list	Description
new AT Commands - General Configuration	
#SIMPR	SIM Presence Status
#CCLK	Clock Management
#DAPT	Data Port Path
#PLMNMODE	Apply to new operator name
#NWEN	Network Emergency Number update
#SVN	Set IMEI SVN
#GCFS	GCF Flag Set
#ENS	Enhanced Network Selection
#EONS	Enhanced Operator Name String
#SLUDP	Socjet Listen UDP
#CCID	Read Integrated Circuit Card Identifier
UC864 Command list	Description
Enhanced AT commands - General Configuration	
#STIA	SIM Toolkit Interface Activation
#NITZ	Network Time Zone
#BND	Band Selection



3.2 Enhancements from the previous SW version

Enh. : Enhancement

Fix : Bug Fixing

Type	Description / Test method
Enh	Save extra data region once block happens
Enh	Device ID Added
Enh	[umts] update Eng Change History for TX power
Enh	Extension #DAPT(DATA Port) to CSD
Enh	Module hang up, receiving more than 124 bytes-frame during CMUX mode
Enh	hot sim inserction
Enh	Initiaiiize Garbage data of internal phonebook item after TFI download
Enh	Remove L1 log messages
Enh	Rescheduling DOG counters of some tasks
Enh	PPP Session unable to start after overnight test
Enh	In case of bad status word from remote SIM, remote SIM is disconnected
Enh	AT+CFUN=0 function enhancement in test mode
Enh	Fix for Queue link null and Queue full, and Call back missing
Enh	Enhancement for CREG transit 3 to 2 in case of SIM state is CS Invalid (illegal ME or illegal MS). CREG state remains in CREG 3.
Enh	Debug for heap and dumping (APP, BB, ZI).
Enh	#E1EFO AT Command implement (Event 1E, 1F offset)
Enh	enhancement of handling LU, RAU reject messages
Enh	+WS46 w/o SIM PIN No agreement to request
Enh	when currrupted sim is inserted, CREG: 0 is displayed
Enh	Check length of network name when manually select network with cops cmd.
Enh	CREG: 3 is removed in case of Immediate assignment failure during LU
Enh	"extra two error causes are added and these are only applicable to WS46. code : 683 -> text : ""Active call state"", code : 684 -> text : ""RR connection established"" "
Enh	It never allow to accept any AT Command after issuing AT#SHDN or AT#REBOOT
Enh	PRL enable
Enh	EPLMN is considered HomePLMN (ex CREG: 1)
Enh	Check the validity of alarm setting value when module power on.
Enh	Integrated the queue with each URC buffers.
Enh	"block when MT call incomes during power saving mode with cfun=0""
Enh	3G network registration fail with GSM mode on UICC
Enh	Implement UDP on UC864 series



Fix	Two issues in the command +CGEQMIN
Fix	It is impossible abort the automatic call typing any character
Fix	[UMTS] ERROR:0x0004 Data Abort! TASK:UIM
Fix	"[SYS]: ""SIM out of order"" msg@SIM insert/extract"
Fix	URC display missing issue when set hysteresis timer
Fix	#NITZ doesn't work correctly
Fix	NITZ - wrong VAL parameters cause automatic date/time update
Fix	[umts] SAP disconnect with 3G - BTA ok
Fix	[BT]: HTC can't be bonded
Fix	Problem with TASK:GSDI after incorrect APDU_RESP
Fix	[umts] Please wait in normal operation > block
Fix	[UMTS] Reset flag in SAP at power on
Fix	#SMOV unsolicited inverted sequence
Fix	AT+CMMS=1 seems work correctly but after an SMS sending the setting is reset to +CMMS=0
Fix	AT+CUSD: unsolicited not received and unit not responding
Fix	[umts] Update activation state too late.
Fix	[um]: endless Please wait SIMAP in BTHS
Fix	[Bt]: please wait about 7 min
Fix	not functional error message SimInReadr
Fix	Wrong Automatic Data Configuration
Fix	[UMTS] Module indicates wrong IMSI
Fix	[NAD]: reset: error 0x0009 TASK: dog
Fix	[UMTS] Divison by Zero
Fix	SIM not detected even if is inserted
Fix	#STSR accepts extra parameter
Fix	ports locked after #STSR command
Fix	[UMTS]: choosing network manually
Fix	UMTS CSURV-command faulty
Fix	"+CPMS returns ERROR if it is issued in the concatenated command AT+CSMS=<service>;+CPMS=""SM"", ""SM"", ""SM"""
Fix	module block during #SEMAIL
Fix	#EMAILACT sometimes blocks the module
Fix	#NAME?
Fix	[Bug 5742] [DOC] +FPR and autobauding
Fix	wrong #QSS unsolicited
Fix	SIM hot insertions - +CREG: 2
Fix	+CREG:1 (not fast blinking)
Fix	No ADB download after mobile connected
Fix	[umts] Update activation state too late. SIMAP
Fix	[umts] NAD hangs in SIMAP phone book read.
Fix	endless Please wait SIMAP in BTHS



Fix	check PIN problems
Fix	AT+CRSM wrong behaviour
Fix	#STGI default value is different from GC
Fix	#STSR default value is different from GC
Fix	#STSR answer is different from GC for #STGI=37 setting
Fix	[UMTS] SIM in reade=> please wait
Fix	Please wait after changing SIM
Fix	Ringer by AT#SRP fail-case 1
Fix	#NAME?
Fix	AT+IPR missing OK when switching DTE Speed
Fix	AT#NWSCANTMR command sometimes causes a module block
Fix	[UMTS]: not able to bond via SIMAP
Fix	[ums] switch between cellphones not possible
Fix	[UMTS]SIMSTATE READY for local SIM card with SIMAP
Fix	[UMTS]loss of BT link not detected
Fix	AT+CPBS response
Fix	CMUX status message
Fix	Digital Filter Masks
Fix	AT#E2SMSRI accepts out of range parameter
Fix	AT#SMOV command accepts extra parameters
Fix	AT#E2ESC command accepts extra parameter and it changes stored value
Fix	AT#USERID command, value with odd number of quotation mark is accepted and value changed
Fix	AT#FTPCWD, set command is accepted with more parameter than permitted
Fix	AT#FTPDELE accepts extra parameter
Fix	AT#FTPLIST accepts extra parameter
Fix	[UMTS] SIM failure after SIMAP disconnect
Fix	[UMTS]SIMSTATE READY for local SIM card with SIMAP
Fix	Module block after SIMAP wrong STATUS_IND
Fix	AT#PSAV= command returns OK instead of ERROR
Fix	AT#UDTSET command accepts out of range parameter
Fix	AT#CFLO= command returns OK instead of ERROR
Fix	AT#HFRECG= and AT#HSRECG= commands return OK instead of ERROR
Fix	AT+CALA = command accepts out of range parameter
Fix	AT#SKIPESC command accepts extra parameter
Fix	AT#PSMRI= command returns OK instead of ERROR
Fix	AT+CCLK command accepts <time> parameter out of range
Fix	AT+CSCB accepts parameter out of range
Fix	AT#OTAUCODE command response is different from GC
Fix	#DAC=1 command behaviour is different from GC, it returns OK instead of Error
Fix	Unsolicited +CREG:2 after #SHDN



