



Software Release Notes

HiLo 3G



SIERRA
WIRELESS

4114122
8.0
February 27, 2013

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Document History

Version	Date	Updates
1	04/08/2011	Creation
2	20/01/2012	Added releases 1.05-1.20
3	21/02/2012	Added release 1.21
4	23/03/2012	Added release 1.22
5	20/04/2012	Added release 1.23 and 1.24
6	20/09/2012	Added release 1.25
7	17/10/2012	Added release 1.34
8.0	February 27, 2013	Added release 1.37



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1. Introduction

This document contains the list of major software changes.



2. Software release reference Hi3GC,A.001.00

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.00	29/07/2011

2.1. Known issues

ID	Description
BTS_11000025	Bug 2195 – Only with USB, when writing a file in the flash using SW flow control, some errors may occur
BTS_11000076	Bug 2454 - Module may reboot after ATH in GPRS connection and CSD call
BTS_11000077	Bug 2459 - Wrong connection rate in GPRS connection
BTS_11000081	Bug 2481 - [VTD] the default value 0 is not supported
BTS_11000088	Bug 2487 - The command AT+COPS=? answers +CME ERROR: 3
BTS_11000099	Bug 2600 - NO CARRIER notification does not appear when call not answered but closed by caller (no ATA)
BTS_11000104	Bug 2514 - [AUDIO] Range definition for KVGR=? and KVGT=? does not follow HiLo 2G rules
BTS_11000107	Bug 2520 - [+CREG] Sometimes CREG and CGREG notifications are missing
BTS_11000113	Bug 2532 - [downloader][UART] The speed cannot be changed on the UART without restarting the module
BTS_11000114	Bug 2536 - [KBND] Not the same bands available between AT command answers and AT command doc
BTS_11000117	Bug 2542 - [ALARM] alarm is not notified when restarting the module
BTS_11000120	Bug 2549 - [DTR] DTR drop closes the CSD call but not the PS call
BTS_11000124	Bug 2571 - [KFSFILE] Drop DTR with AT&D1 and AT&D2 not answering
BTS_11000127	Bug 2577 - [KSYNC] LED is not blinking when KSLEEP activated
BTS_11000132	Bug 2607 - [KGPIOCFG] GPIO as an INPUT does not work
BTS_11000138	Bug 2662 - [KSRAP] KSRAP=0 does not save audio parameters set with AT commands

2.2. Downloader issues

ID	Description
BTS_11000125	Bug 2573 - Bug 2499 - [MULTI DOWNLOADER] Sometimes the download of some modules failed when using softwares until 1.00



3. Software release reference Hi3GC,A.001.05

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.05	29/07/2011

3.1. Fixed Issues

ID	Description
BTS_11000130	[CLAC]This commands returns some commands which are not in the AT command documentation
BTS_11000114	[KBND] Not the same bands available with AT command and the AT command doc
BTS_11000117	[ALARM] alarm is not notified when restarting the module
BTS_11000112	[CSTA] Not the same answer after ATD
BTS_11000104	[AUDIO] Range definition for KVGR=? and KVGT=?
BTS_11000120	[DTR] DTR drop closes the CSD call but not the PS call



4. Software release reference Hi3GC,A.001.06

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.06	29/07/2011

4.1. Fixed Issues

ID	Description
BTS_11000138	Bug 2662 - [KSRAP] KSRAP=0 does not save audio parameters previously set with AT commands
BTS_11000136	Bug 2433 - [ATH] ATH does not work after ATD*99***1#
BTS_11000132	[+KGPIOCFG] GPIO as an INPUT does not work.
BTS_11000135	AT+CALD=1 returns ERROR
BTS_11000104	[AUDIO] Range definition for KVGR=? and KVGT=?



5. Software release reference Hi3GC,A.001.12

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.12	29/09/2011

5.1. Fixed Issues

ID	Description
n/a	[TCP] +KPATTERN issue
n/a	[TCP] +KTCPSND=2,18 issue
n/a	[TCP] +KTCPCV reboot issue
n/a	[TCP] +KTCPSND block issue resend while block
n/a	[TCP] +KTCP_DATA: 1, -1 issue
n/a	[TCP] Support multi +KTCPCFG
n/a	[TCP] Session_ID and NOTIF
n/a	[TCP] Support +KTCPSND DTR feature



6. Software release reference Hi3GC,A.001.15

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.15	14/10/2011

6.1. Fixed Issues

ID	Description
n/a	TCP mode could not use ATO to return back to data mode after +KTCPSND
n/a	WMI feature for ATnT certification
n/a	Fixed TCP send data error
BTS_11000147	AT*PSSTKI=3 returns ERROR
BTS_11000149	[PLMN] List of network operator name are not correct in COPS and COPN
BTS_11000151	Bug 2864 - [DTR] Module reboots when opening and closing COM port
BTS_11000152	Bug 2865 - [KTCPCRV]the function AT+KTCPSND=1,18 returns ERROR and +KCTP_NOTIF:1,4
BTS_11000153	Development of AT+KLVSH to save extra power consumption due to internal level shifter



7. Software release reference Hi3GC,A.001.16

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.16	14/11/2011

7.1. Fixed Issues

ID	Description
BTS_11000150	[KTEMPMON] Wrong unsolicited message
BTS_11000153	Development of AT+KLVSH to save extra power consumption due to internal level shifter
BTS_11000156	Development of AT+KCNXTIMER
BTS_11000157	Change name of +PCMRXVOL and +PCMTXVOL

7.2. Software release reference Hi3GC,A.001.17

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.17	14/11/2011

7.3. Fixed Issues

ID	Description
BTS_11000151	[DTR] Module reboots when opening and closing COM port
BTS_11000160	[CSD][KSLEEP] module goes in sleep mode when receiving or sending data during a data call



8. Software release reference Hi3GC,A.001.18

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.18	14/11/2011

8.1. Fixed Issues

ID	Description
BTS_11000162	[TCP] +++ does not return OK after AT+KTCPSND
BTS_11000163	[TCP] After ATO there is sometimes two CONNECT or CONNECT 3600000
BTS_11000164	[TCP] Module is blocked when receiving and answering a data call
BTS_11000165	[TCP] URC displayed after CONNECT
BTS_11000166	[TCP]+KTCP_DATA: 1, -1 is displayed
BTS_11000167	[TCP] Wrong ERROR code after AT+KTCPCNX
BTS_11000168	[TCP] Wrong KTCP_NOTIF
BTS_11000169	[TCP] With AT&D2, when DTR drops after CONNECT, module receives two NO CARRIER
BTS_11000170	[TCP] Module reboots when sending AT+KTCPCFG? with at least 15 TCP sessions

9. Software release reference Hi3GC,A.001.19

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.19	08/12/2011

9.1. Fixed Issues

ID	Description
BTS_11000171	Module cannot connect to the GPRS: Issue detected with Windows and Linux drivers

>> 10. Software release reference Hi3GC,A.001.20

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.20	16/01/2012

10.1. Fixed Issues

Type	Description
FTP	FTP : KFTPCFG, KFTPRCV and KFTPSND developments
AT&T certification	TCP : Modify TCP default windows size to 160K
AT&T certification	COPS (ATnT 8909, 8910)
AT&T certification	NWI (ATnT 8918)



11. Software release reference

Hi3GC,A.001.21

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.21	10/02/2012

11.1. Fixed Issues

Type	Description
AT command	Software name changes: +GMR/+CGMR returns Hi3GC,A.xxx.xx
AT command	Fix +KSRAT=1 and KSRAT=2
AT&T certification	[8909] GSM-BTR-1-9038_2
AT&T certification	[8917] GSM-BTR-1-9374
AT&T certification	[8927] GSM-BTR-1-2516
AT&T certification	[9266] GSM-BTR-1-9078
AT&T certification	[9277] GSM-BTR-1-2522
AT&T certification	[9289] GSM-BTR-1-9300
AT&T certification	[9346] GSM-BTR-1-5716
AT&T certification	[9889] GSM-BTR-1-2518
USB driver	Change USB host driver PID/VID for Hilo 3G.

11.2. Known issues

Type	Description
AT command	Sometimes cannot write completely a file in the flash using the USB (KFSFILE)
AT command	AT+CPOL? returns ERROR with a specific SIM card orange
AT command	Sometimes +KSUP takes too much time to be displayed
Call	[AT&D2] After ATS0=3 a data call is answered even if DTR is inactive on USB
SLEEP	[KSYNC] LED is not blinking when KSLEEP activated
SMS	SMS class 2 missing when sending 69 SMS
TCP	+KCNXPROFILE NOT supported
UART interface	After a +CPOF, the DSR does not go to INACTIVE state
UDP	Sometimes the UDP second packet is always lost on the operator ORANGE

12. Software release reference Hi3GC,A.001.22

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.22	24/02/2012

12.1. Fixed Issues

Type	Description
TCP	[KTCPCFG] The NULL char is not handled properly

12.2. Known issues

Type	Description
AT command	Sometimes cannot write completely a file in the flash using the USB (KFSFILE)
AT command	AT+CPOL? returns ERROR with a specific SIM card orange
AT command	Sometimes +KSUP takes too much time to be displayed
Call	[AT&D2] After ATS0=3 a data call is answered even if DTR is inactive on USB
SLEEP	[KSYNC] LED is not blinking when KSLEEP activated
SMS	SMS class 2 missing when sending 69 SMS
TCP	+KCNXPROFILE NOT supported
UART interface	After a +CPOF, the DSR does not go to INACTIVE state
UDP	Sometimes the UDP second packet is always lost on the operator ORANGE



13. Software release reference Hi3GC,A.001.23

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.23	04/04/2012

13.1. Fixed Issues

Type	Description
AT&T certification	Change parameters items for AT&T
AT command	Sometimes +KSUP takes too much time to be displayed
UDP	Sometimes cannot close a session
TCP	Sometimes send wrong notifications
GPIO	Fix the pull mode of KGPIOCFG
GPIO	KGPIOCFG configuration is saved in NV memory

13.2. Known issues

Type	Description
AT command	Sometimes cannot write completely a file in the flash using the USB (KFSFILE)
AT command	AT+CPOL? returns ERROR with a specific SIM card orange
Call	[AT&D2] After ATS0=3 a data call is answered even if DTR is inactive on USB
SLEEP	[KSYNC] LED is not blinking when KSLEEP activated
SMS	SMS class 2 missing when sending 69 SMS
TCP	+KCNXPROFILE NOT supported
UART interface	After a +CPOF, the DSR does not go to INACTIVE state
UDP	Sometimes the UDP second packet is always lost on the operator ORANGE



14. Software release reference Hi3GC,A.001.24

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.24	13/04/2012

14.1. Fixed Issues

Type	Description
AT&T certification	throughput issue for AT&T
Voice call	In call waiting there is no output voice during 5 seconds
AT command	Add voice mail waiting notification command PSVMWN

14.2. Known issues

Type	Description
AT command	Sometimes cannot write completely a file in the flash using the USB (KFSFILE)
AT command	AT+CPOL? returns ERROR with a specific SIM card orange
Call	[AT&D2] After ATS0=3 a data call is answered even if DTR is inactive on USB
SLEEP	[KSYNC] LED is not blinking when KSLEEP activated
SMS	SMS class 2 missing when sending 69 SMS
TCP	+KCNXPROFILE NOT supported
UART interface	After a +CPOF, the DSR does not go to INACTIVE state
UDP	Sometimes the UDP second packet is always lost on the operator ORANGE



15. Software release reference Hi3GC,A.001.34

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.34	03/10/2012

15.1. Fixed Issues

Type	Description
AT command	Sometimes +KSYNC returns ERROR
AT command	+KSRAT mode 1, 2 and 3 does not work
AT command	KNETSCAN does not work
AT command	In CSD call sometimes +++ is sent
AT command	KFILTER does not work
GPIO	Add fast GPIO feature : GPIO are set before VSIM signal (dual SIM feature)
Network	3G 900Mhz is not supported
SLEEP	Sleep mode impossible if KLVSH=0, KSLEEP=1 and DTR and RTS are active
SLEEP	Sleep mode impossible after ATD*99***1# and +++
SMS	Cannot receive SMS class 0 in SIM (specific requirement)
SMSCB	The module reboots after +CSCB if a long string is used
TCP	+KTCPCRV does not work
UDP	Sometimes the UDP second packet is always lost
UDP	The size of the UDP packets sent is maximum 128 Bytes
UDP	Sometimes the module reboot after KUDPSND

15.2. Known issues

Type	Description
AT command	KSRAT mode 3 does not work
AT command	Sometimes cannot write completely a file in the flash using the USB (KFSFILE)
AT command	AT+CPOL? returns ERROR with a specific SIM card orange
AT command	KNETSCAN=2 has a wrong behavior
Call	[AT&D2] After ATS0=3 a data call is answered even if DTR is inactive on USB
CSD call	AT&D0 does not work and AT&D1 partially works
FTP	FTP does not work
GPIO	DCD is not activated in UDP or TCP connection
SLEEP	[KSYNC] LED is not blinking when KSLEEP activated

Type	Description
SLEEP	If KSLEEP=1 and the module is in data mode: after +++ there is no sleep mode
SMS	SMS class 2 missing when sending 69 SMS
TCP	DCD not activated during TCP and UDP connexions
TCP	TCP doesn't detect loose of TCP server
TCP	KTCPSND +++ is sent of TCP server (first time)
UART interface	After a +CPOF, the DSR does not go to INACTIVE state
UDP	Sometimes the module reboot after KUDPRCV
UDP	KUDPCLOSE does not work at first use



16. Software release reference

Hi3GC,A.001.37

Product	Software version	Build date and time
HILO 3G	Hi3GC,A.001.37	08/02/2013

16.1. Fixed Issues

Type	Description
AT Commands	[4949] After sending AT+CUSD=0,"#123#",0 the module freezes
FTP	[3333] AT+KFTPSND always returns ERROR
FTP	[4902] AT+KFTPRCV always returns +KFTP_ERROR: 0,2
FTP	[4903] AT+KFTPCFG command connects to the server whereas it is only configuration command
FTP	[4943] After AT+KFTPRCV the module always freezes
FTP	[5030] After AT+KFTPRCV and AT+KFTPCLOSE, KFTPCFG always returns ERROR.
FTP	[5131] After several AT+KFTPRCV the module return "ERROR time out"
FTP	[4753] AT+KFTPCFG URC :Miss of 0x0D and/or 0x0A characters
Modem	[4814] ATH1 during ATD*99**1# or TCP freezes the module
Network	[4127] The module doesn't register on 3G 900MHz frequency band
Network	[5078] After AT+KSRAT=2 and reboot, the attachment to the network is too long
Network	[4834] After an handover from 2G to 3G, AT+COPS still displays 2G network
Network	[3687] During the first 5 seconds of call waiting, voice call doesn't work properly
Network	[4954] HiLo3G 850: Registration denied with notification +CREG: 3 with AT+KSRAT=2
Signaling	[4794] No RI signal set during data mode (AT+KTCPSND) when incoming call
Signaling	[4801] After AT+KRIC=16,1 and AT+CMER=1,0,0,2,0, no RI signal during network state modification
Signaling	[4788] After AT&C1 command, DCD signal not activated during TCP and UDP connections
Signaling	[4747] After DTR Drop (AT&D2) during a TCP or a CSD session CONNECT is received instead of NO CARRIER
SMS	[4259] The send of SMS freezes the module If 51 SMS are stored in ME memory
TCP	[4789] The module stay in Data mode (AT+KTCPSND) after a "+++"
TCP	[4790] "AT+KTCPCFG=0,0,"myserver",myport" on a wrong port always return +KTCP_DATA: 1, 0 whereas "NO CARRIER" is expected
TCP	[4795] Module TCP layer doesn't detect the loss of TCP server connection
TCP	[4062] After AT+KTCPSND & ATH1 & ATO, receive CONNECT instead of NO CARRIER
UDP	[4779] AT+KUDPCLOSE do not close a UDP configuration (KUDPCFG) the first time sent
UDP	[3426] AT+KUDPCLOSE does not work at first use
UDP	[4780] Following a +KUDP_DATA: 1,Y, when AT+KUDPRCV=1,X with X<Y the module does not react as defined in the AT Commands specification

Type	Description
UDP	[4785] After the second execution of the following AT commands (AT+KCNXCFG, AT+KUDPCFG and AT+KUDPSND), the module reboot

16.2. Known issues

Type	Description
AT Commands	[5202] No module response on AT Command ATH5
AT Commands	[5201] No module response on AT Command ATH3
AT Commands	[5192] Without SIM card, module can't dial 911, 112
AT Commands	[2522] AT+CPOL? returns ERROR with a specific Orange SIM card
Flash Memory	[2195] Sometimes cannot write completely a file in the flash using the USB (KFSFILE)
FTP	[5198] AT command "+++" on AT+KFTPRCV makes the module reboot
FTP	[5182] & [4925] AT+KFTPSND does not work properly
FTP	[5177] In Data mode ("AT+KFTPSND"), "+++" does not allow to go back in Command mode
Network	[5193] MT does not have "NO CARRIER" after MO hang up a CSD call
Network	[3063] [BTS_11000176] NO "NO CARRIER" indication during multi-call after AT+CHLD command
Network	[2212] when configuring the module in "KSRAT=3", the module get connected first on the 3G instead of 2G
Network	[4137] KNETSCAN=2 has a wrong behavior
Signaling	[4729] [AT&D2] After ATSO=3 a data call is answered even if DTR is inactive on USB
Signaling	[2577] KSYNC: LED is not blinking when AT+KSLEEP is activated
Signaling	[4807] After an AT&D0 a DTR drop suspends a GPRS session during CSD call
Signaling	[4806] After an AT&D1 a DTR drop suspends a GPRS session during CSD call, but ATO do not resume data calls
Signaling	[5197] DTR drop (AT&D2) on AT+KFTPSND and KFTPRCV shall display "NO CARRIER"
SMS	[2526] SMS class 2 : When receiving more SMS than the SIM capacity, after the deletion of SMS in SM to free memory to allow the reception of all the SMS, some SMS were missing when listing all the SMS with the command AT+CMGL="ALL"
TCP	[5203] After a completed AT+KTCPSND, the file size received on the target server is different from the sent one
TCP	[4061] During AT+KTCPSND, the following AT commands sequence (+++, ATH, ATO) the module answer "CONNECT" instead of "NO CARRIER"
TCP	[4284] KTCPSND +++ is sent of TCP server (first time)
TCP	[5227] AT+KTCPSND no OK after end of pattern
UART / USB	[4827] USB and UART inconsistencies on DCD signal with AT&V and AT&C0 configuration
UDP	[4875] AT+KUDPSND: Cannot send Packets larger than 512 Bytes
UDP	[4750] Sometimes the module reboot after A+KUDPRCV



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