

BG96 Release Notes

LTE Module Series

Rev. BG96 Firmware_Release_Notes_V0206

Date: 2018-02-28



1. Preamble

This document provides the Release Notes for BG96 firmware version **BG96MAR02A06M1G**. It describes major changes compared to BG96 firmware version **BG96MAR02A05M1G**. For a detailed listing of all changes, refer to the BG96 AT Command Set.

2. New Features

Item /Category	Brief description	Since
FILE	Add FILE function and associated AT commands support.	R02A02
FTP(S)	Add FTP(S) function and associated AT commands support.	R02A02
HTTP(S)	Add HTTP(S) function and associated AT commands support.	R02A02
NITZ	Add NITZ function support.	R02A02
PING	Add PING function and associated AT commands support.	R02A02
TCP SSL	Add TCP SSL function and associated AT commands support.	R02A02
GNSS	Add GNSS function support.	R02A02
NETWORK	Add AT Command AT+QENG .	R02A04
OTHERS	Add AT Command AT+CLCC .	R02A04
DNS	Add DNS function support.	R02A04
DFOTA	Add DFOTA function support.	R02A05
MQTT	Add MQTT function and associated AT commands support	R02A05
GNSS	Add GNSS XTRA function support.	R02A05
PPP	Add AT Command AT+QGAUTH .	R02A05
GENERAL	Add AT Command AT+QFWD="GPIO" to control PIN#26, PIN#64	R02A05
GNSS	Support NMEA sentences output through the UART3.	R02A05
GNSS	Support NMEA sentences output through the USB NMEA port.	R02A05
GENERAL	Add AT Command AT+QADC .	R02A06
GENERAL	Add AT Command AT+QTEMP .	R02A06

GENERAL	Add AT Commands AT+CIND .	R02A06
SMS	Add concatenated messages function support.	R02A06
PSM	Add AT Command AT+QPSMS , AT+QPSMCFG and AT+QPSMEXTCFG for config Power Saving Mode.	R02A06
GNSS	Add GNSS Geo Fence function support.	R02A06
NETWORK	Add AT Command AT+QCSCON to get the status of RRC connection.	R02A06
GENERAL	Add AT Command for RF TX/RX FTM operation.	R02A06

3. Improved Features

Item/Category	Brief description	Since
NETWORK	Optimized the display format of the return value of the AT+QNWINFO .	R02A04
GENERAL	Fixed that no URC report while incoming SMS.	R02A04
GENERAL	Fixed the bug that no SIM PIN URC report when module power on with SIM lock.	R02A04
GENERAL	Fixed the bug that URC not report to correct port after execute AT+QURCCFG="urcport" .	R02A04
GENERAL	Fixed the bug that cannot config the baud rate of Main UART with 46800 bps.	R02A05
GENERAL	Fixed the bug that cannot execute AT+CFUN related operation after exit from TCP/IP connection by +++ symbol.	R02A05
GENERAL	Fixed the bug that incorrect return format of the AT+QSSLSSEND=? .	R02A05
NETWORK	Fixed the bug that module will crash under CAT-NB1 network with a very small probability.	R02A05
SMS	Fixed the bug that the +CMT URC could not output normally.	R02A05
SMS	Fixed the bug that could not send SMS with China Union SIM card.	R02A05
NETWORK	Fixed the bug that after detach from the network with AT+COPS=2 , then manual register to the network with AT+COPS command always return ERROR: 13 .	R02A05
GENERAL	Adjusts the display order of the return value with AT&V .	R02A05
GENERAL	Adjust AT Command AT+QCFG="servicedomain" only can config module with PS domain.	R02A05
NETWORK	Fixed the bug that incorrect return value of AT+QCSQ .	R02A06

GENERAL

Fixed the bug that incorrect return value of **AT+IPR=?**.

R02A06

4. Functions

Basic Function

SMS	Voice Call	Data Call	Fax	USSD	PHB	STK	CMUX	Dual UART
Y	N	N	N	Y	N	N	N	N
FILE ¹⁾	Triple UART							
Y	N							

Protocol Function

TCP/UDP	PPP	FTP	HTTP	NITZ	PING	HTTPS	TCP SSL	FTPS ²⁾
Y	Y	Y	Y	Y	Y	Y	Y	Y
MQTT								
Y								

Special Function

GNSS	PSM	DFOTA
Y	Y	Y

NOTES

1. Y means the firmware supports this function.
2. N means the firmware does not support this function.
3. ¹⁾ Supports UFS FILE only.
4. ²⁾ Supports FTPS-Implicit SSL only.