

M35 Release Notes

GSM/GPRS Module Series

Rev. M35 (R2.0) _ Firmware_Release_Notes_V0108

Date: 2015-02-04

1. Preamble

This document provides the Release Notes for M35 firmware version **M35FAR01A08**. It describes major changes compared to M35 firmware version **M35FAR01A06**. For a detailed listing of all changes, refer to the M35 AT Command Set.

2. New Features

Item /Category	Brief description	Since
ECALL	Added eCall function.	R01A02
SIMCARD	Added to support DSSS by AT+QDSIM .	R01A03
PPP	Added AT Command AT+QPPPTIMER .	R01A03
RECORDING	Added Recording function.	R01A03
POP3	Added POP3 function.	R01A03
TTS	Added TTS function.	R01A03
GENERAL	Added AT Command AT+CCID .	R01A04
SIMCARD	Added SIM card detection function.	R01A04
PCM	Added to support PCM by AT+QPCMON .	R01A04
TCP/UDP	Extended AT+QIRD to support query a socket receive data and data in buffer when <readlen>=0 .	R01A06
NITZ	Extended the function of AT+QLTS .	R01A06
HTTP	Added AT Command AT+QHHTPCFG .	R01A08
PHB	Added AT Command AT+QPBD .	R01A08

3. Improved Features

Item/Category	Brief description	Since
GENERAL	Fixed the bug that system will be reset in sleep mode.	R01A03
NETWORK	Fixed the bug that the APN will not valid when GPRS QIACT	R01A03

	activating.	
PING	Fixed the bug that the returned time is not exact when ping a remote server.	R01A04
MMS	Fixed the potential bug that attachment cannot be deleted after MMS send reports error 3901.	R01A04
MMS	Fixed the bug that an error will be reported if send a message with 5 recipients and 5 Cc.	R01A04
TTS	Fixed the bug that error 4111 will be reported occasionally if replay the TTS immediately after AT+QTTS=0 .	R01A04
TCP/UDP	Fixed the bug that buffer is not cleared after TCP connection is closed in transparent mode.	R01A04
TCP/UDP	Fixed the potential bug that the module might crash while resolve domain names.	R01A04
NETWORK	Fixed the bug that module cannot be paged after replacing another SIM card when switching AT+CFUN=0 to AT+CFUN=1 .	R01A04
GENERAL	Fixed the ATC format error about the return results of AT+QBAND=? .	R01A04
GENERAL	Fixed the ATC format error about the return result of AT+QJDCFG=? .	R01A04
OTHERS	Fixed the bug that UART data cannot wakeup module in AT+QSCLK=2 mode.	R01A04
OTHERS	Fixed the bug that when the module's UART is in 4800bps, the return result of AT+QPOWD=1 could not output completely occasionally.	R01A04
OTHERS	Disabled the high voltage warning/shutdown by default.	R01A04
CMUX	Fixed the bug that in CMUX mode, AT commands cannot execute occasionally after module is waked up by DTR.	R01A04
OTHERS	Fixed the bug that power consumption cannot be reduced in sleep mode if U2RXD is not connected.	R01A04
GENERAL	Fixed the bug that URC and AT command result might output to incorrect channel in CMUX mode.	R01A05
PPP	Fixed the bug that AT+QGDVOL=1/2 cannot calculate the amount of downlink data.	R01A06
PPP	Fixed the bug that the returned result is not correct by AT+QGDVOL .	R01A06
JAMMING DETECTION	Fixed the bug that restart module after execute AT+QJDR=1 , there is only RDY returned.	R01A06
JAMMING DETECTION	Fixed the bug that no jamming status reported whether turn on or turn off the jammer while the RI pin is set as reporting pin.	R01A06
JAMMING DETECTION	Fixed the bug that the status of corresponding pin doesn't change immediately after execute AT+QJDCFG .	R01A06
JAMMING	Fixed the bug that when change AT+QJDCFG="URC",1 to	R01A06

DETECTION	AT+QJDCFG="URC",0 , the corresponding function cannot take effect immediately.	
AUDIO	Fixed the bug that the tone by AT+QLTONE does not play with the specified time.	R01A06
AUDIO	Improved the echo cancellation and suppression function.	R01A06
AUDIO	Improved the audio gain table of QMIC and CLVL to keep more compatible with M35 R1.0.	R01A06
VOICE CALL	Fixed the bug that execute AT+CCFC=0,2,,,1 to query the status of call forwarding but return ERROR.	R01A06
AUDIO	Fixed the bug that the ringtones volume can be modified by AT+CLVL when change the audio channel.	R01A06
GENERAL	Fixed the bug that incorrect format returned by AT+CPOL .	R01A06
GENERAL	Fixed the bug that the written index of AT+CPOL is incorrect.	R01A06
GENERAL	Fixed the bug that incorrect format returned by AT+QMUXCFG=? .	R01A06
USSD	Fixed the bug that if module initiated USSD fails which reports URC: +CUSD: 4 will push down RI pin.	R01A06
TCP/UDP	Fixed the TCP incorrect retransmission issue in A06.	R01A08
AUDIO	Fixed the bug that after execute AT+QPCMW and +++ , the module will crash when have a call.	R01A08
VOICE CALL	Fixed the bug that execute ATD10086; and AT+VTS=1 after AT+COLP=1 or AT+QCOLP=1 , there is no OK returned until the call is disconnected by remote device.	R01A08

4. Functions

Basic Function								
SMS	Voice Call	Data Call	Fax	USSD	PHB	STK	CMUX	Dual UART
Y	Y	N	N	Y	Y	Y	Y	N
Protocol Function								
TCP/UDP	PPP	MMS*	FTP	SMTP	HTTP	NITZ	PING	NTP
Y	Y	Y	Y	Y	Y	Y	Y	Y
Protocol Function								
SMTPS	HTTPS	TCP SSL	POP3					
Y	Y	Y	Y					
Special Function								
RAM	Jamming Detection	DTMF	Recording	Quec FOTA	TTS	Quec Locator	DSSS	eCall
Y	Y	Y	Y	Y	Y	Y	Y	Y

NOTES

1. Y means the firmware supports this function.
2. N means the firmware does not support this function.
3. MMS only supports sending.