

M35 Release Notes

GSM/GPRS Module Series

Rev. M35_Firmware_Release_Note_V0122

Date: 2013-04-07



1. Preamble

This document provides the Release Notes for M35 firmware version **M35AR01A22**. It describes major changes compared to M35 firmware version **M35AR01A21**. For a detailed listing of all changes, refer to the M35 AT Command Set.

2. New Features

Item /Category	Brief description	Since
STK	Added AT+QSTKMM to read the main menu of STK.	R01A02
NITZ	Added <ds> Daylight Saving Time.	R01A06
HTTP	Added AT Commands: AT+QHTTPVRS / AT+QHTTPCE .	R01A06
TCP/UDP	Added AT Commands: AT+QISCM / AT+QISTATE .	R01A06
PPP	Added AT Commands AT+QGDVOL .	R01A06
TCP/UDP	Added AT Commands AT+QIRBUF .	R01A09
JAMMING DETECTION	Added Jamming detection function.	R01A09
DTMF	Opened TONE detection function.	R01A09
SMTP	Added SMTP function.	R01A11

3. Improved Features

Item/Category	Brief description	Since
SIMCARD	Fixed the bug that when the Memory Space of SIM card is not full, response displays full.	R01A02
SIMCARD	Fixed the bug that resetting the password via PUK cannot take effect.	R01A02
VOICE CALL	Fixed the bug that AT+CRSL can not adjust the ring of the incoming call.	R01A02

VOICE CALL	Fixed the bug that AT+CALM cannot mute the ring of the incoming call.	R01A02
VOICE CALL	Fixed the bug that AT+QCOLP and AT+QCLIP do not take effect when they are enabled.	R01A02
VOICE CALL	Fixed the bug that when using ATD to make a call, response information is reported in the other port.	R01A04
GENERAL	Fixed the bug that when AT+CFUN=0 or AT+CFUN=4 is enabled, current consumption is abnormal.	R01A04
PPP	Fixed the bug that when ATD*99# is enabled and IP address is got, using +++ exits from command mode. After enabling ATD*99# again, ATH cannot cut off PPP connection.	R01A06
GENERAL	Fixed the bug that AT+CBC cannot report the right battery voltage.	R01A06
NITZ	Modified at command AT+CTZU .	R01A06
GENERAL	Fixed the bug that CCID data cannot be obtained via AT+QCCID if the pin is locked.	R01A06
NITZ	Fixed the bug that the response information of AT+QLTS is wrong.	R01A06
HTTP	Fixed the bug that the response information of AT+QHHTPRSP is wrong.	R01A06
TCP/UDP	Modified the configuration parameter of AT+QITCFG .	R01A06
SIMCARD	Fixed the bug that the return value of AT+CRSM is wrong.	R01A06
NITZ	Fixed the bug that the information of time zone is wrong, which is obtained via AT+QNITZ .	R01A06
GENERAL	Fixed the bug that AT+CIMI cannot be obtained on the condition that PIN is locked.	R01A06
GENERAL	Fixed the bug that AT+CSNS cannot be executed when the PIN is locked.	R01A06
PHB	Fixed the bug that phonebook is not re-initialized after switching AT+CFUN=0 to AT+CFUN=1 .	R01A07
GENERAL	RI pin cannot keep low level in the status of ATV0 when a call is coming.	R01A07
CMUX	In the status of CMUX, when ATH disconnected PPP&CALL at the same time, there is no OK response.	R01A07
NETWORK	CA list can be queried by AT+QENG .	R01A07
NITZ	Fixed the bug that in the condition of AT+CTZU=3 , the local time zone cannot be displayed via AT+CCLK .	R01A07
NETWORK	Fixed the bug that selecting the unavailable operator by AT+COPS=4 will cause the module to fail in registering the network.	R01A07
SIMCARD	Fixed the bug that the return value of AT+CIMI is wrong in the event that the pin is locked.	R01A07

VOICE CALL	Fixed the bug that when a wrong phone number is inputted, no ERROR prompt is returned.	R01A09
GENERAL	Fixed the bug that there is no OK returned after AT&D2 is enabled.	R01A10
GENERAL	Optimized the AT synchronization times in adaptive baud rate mode	R01A10
DATA CALL	Fix the bug that first execute AT&D2 and then create data call connection, set DTR to high level and finally to disconnect, it will show one more OK.	R01A11
TCP/UDP	Fix the bug that AT+QICSGP=1&W and AT+QICSGP=0&W no return value.	R01A11
SMS	Fix the bug that when message storage is empty, then write a super long message, AT+CMGD=1,X will fail.	R01A11
VOICE CALL	Fix the bug that it won't show "+" when dial is connected which use the phone number with "+" although first execute AT+COLP=1 . Also, AT+CLCC query result won't show "+".	R01A11
PHB	Fix the bug that after execute AT+CPBW to write a number with country code, but AT+CPBR read that number without "+".	R01A11
GENERAL	Fix the bug that AT+CPAS return value is incompatible with specification.	R01A11
VOICE CALL	Change ATS10 unit of time from 1000ms to 100ms.	R01A11
DATA CALL	Fix the bug that DCD changed when execute +++ or ATO command after build data call.	R01A11
OTHER	Fix the bug that AT+CCLK does not support default time zone.	R01A11
GENERAL	Initialized the pin of RI to high level.	R01A12
OTHER	Add a new mode to enter sleep by AT+QSCLK=2 .	R01A12
OTHER	Fix the bug which cannot read complete information of manufacturer before " RDY " reported.	R01A12
VOICE CALL	Fix the bug that the CSQ BER reported does not correct during the call.	R01A20
NETWORK	Fix the bug that cannot get the information of neighboring cells through AT+QENG during the call.	R01A20
SMS	Optimize the function of long SMS. Fix the bug that it cannot be displayed incomplete when list long SMS.	R01A20
UART	Optimize the effective time when changing baud rate.	R01A20
NETWORK	Fix the bug that the information reported by AT+QENG is unreliable in engineering mode.	R01A20
OTHER	Fix the problem that encryption card maybe decryption failed.	R01A21
AUDIO	Fix the bug that execute AT&W before RDY reported, maybe cause all the saved audio parameters revert to the default.	R01A21

TCP/UDP	Modify AT+QICSGP command, increased functionality can be set to an empty APN.	R01A21
AUDIO	Improve the accuracy of tone.	R01A22
FILE	Fix the bug that data maybe lost when read a large file through AT+QFREAD .	R01A22

4. Functions

Basic Function								
SMS	Voice Call	Data Call	Fax	USSD	PHB	STK	CMUX	Dual UART
Y	Y	Y	N	Y	Y	Y	Y	N
Protocol Function								
TCP/UDP	PPP	MMS	FTP	SMTP	HTTP	NITZ	PING	NTP
Y	Y	N	Y	Y	Y	Y	Y	Y
Special Function								
Jamming Detection	DTMF	QuecFOTA						
Y	Y	Y						

NOTES

1. Y means the firmware supports this function.
2. N means the firmware does not support this function.