M35 GSM Module Flash Guide

Warning:

There are 2 versions of M35 module, M35 and M35F. They do NOT share same firmware! M35: M35AR02A02.zip M35F: M35FAR01A08.zip You can use AT command "AT+CGMR" to check the version! Go to step 6 for checking version!

Now we start to flash firmware for M35 gsm module.

1. Open web browser to enable Remote COM:

GSM Module COM For x						
← → C ♠ 🗋 172.16.99	← → C ☆ D 172.16.99.1/cgi-bin/php/system-com.php					
Remote COM Mode						
Power Down No Pulse:						
Entry Remote COM:	Entry Remote COM					
Leave Remote COM:	Leave Remote COM					
Power for Modules:	Power On Power Off					
OpenVox	Copyright © 2012 OpenVox All Rights Reserved. TEL:+86-755-82535461 FAX:+86-755-83823074					

Then tart RemoteCom to connect the target gateway:

172.16.99.1		Connect	
Local Virtual COM COM3 COM4 COM5 COM6	Remote GSM COM GSM-1 GSM-2 GSM-3 GSM-4	List real ports Connect to the remote server List exist virtual com ports Prepare for installing driver I Create virtual COM1 Create virtual COM2 Create virtual COM3 (
		Clear Message	
Power Off Remote G	SM Modules Power	On Remote GSM Modules Refresh Virtual Com List	

2. Run QuecFOTA_V1.3 flash tool:



4 QuecFOTA_V1.3		
Config Help		
		Select Bin File
	COM: No Use 💌	
	COM: No Use 💌	
	COM: No Use 💌	
	CDM: No Use 💌	
	Start the SW upgrade	
Sys Info:Open Bin File to	o Get Ver Info Fail!	

3. Click "Config", you will see the setting window:

A QuecFOTA_V1.3	
Config Help	
Setting +	
	Select Bin File
COM; No Use 💌	
COM: No Use 💌	
CDM; No Use 💌	
Start the SW upgrade	
Svs Info:Open Bin File to Get Ver Info Faill	

Choose "115200" and "1K Bytes":

Config		×
COM Baudrate:	115200 💌	
SW Data Length:	4K Bytes Show Debug Log	
ОК	2K Bytes 4K Bytes 8K Bytes Cancel	

Select the right firmware bin file:

\land QuecFOTA	_V1.3				
Config Help					
				Se	elect Bin File
	CO	M: No Use 💌			
	Abrir			? 🛛	
	Buscar en	: 📄 upgrade		Ⅲ ▼	
	m M35AR	02A02_UPGRADE			
	Nombre:	M35AR02A02_UPGRADE		Abrir	
Sys Info:Open	Tipo:	File(*.bin)	•	Cancelar	

Choose Virtual COM 3,4,5,6 above corresponds to GSM port 1,2,3,4:

A QuecFOTA_V1.3	
Config Help	
CDM:3 CDM:3 CDM:4 CDM:5 I COM:5 I COM:5 I COM:6	Select Bin File
Start the SW upgrade	
Sys Info:2E 00 00 EA	

4. Click "Start the SW upgrade" to be ready for flash procedure.

QuecFOTA_V1.3	
C:\m35\M35AR02A02\u	pgrade\M35AR02A02_UPGRADE.bin Select Bin File
Upgradi	COM: 3 J [16s] COM:3 BR:115200 SYNC1
Upgradi	COM: 4 J [16s] COM: 4 BR: 115200 SYNC1
Upgradi	따. 5 _ [16s] COM:5 BR:11왕200 SYNC1
Upgradi	COM:6 7 [16s] COM:6 BR:115200 SYNC1
	Start the SW upgrade
Sys Info:2E 00 00 EA	

Then click "Power Off Remote GSM Modules" and "Power On Remote GSM Modules" to activate the flash tool.

172.16.99.1		Connect	Exit
Local Virtual COM COM3 COM4 COM5 COM6	Remote GSM COM GSM-1 GSM-2 GSM-3 GSM-4	List real ports Connect to the remote server List exist virtual com ports Prepare for installing driver Create virtual COM1 Create virtual COM2 Create virtual COM3	
		Clear Message	
Power Off Remote C	SSM Modules	Clear Message On Remote GSM Modules Refresh Virtual	Com Lis

Now you can see the flash procedure is in full swing.

QuecFOTA_V1.3 Config Help
C:\m35\M35AR02A02\upgrade\M35AR02A02_UPGRADE.bin Select Bin File
Upgradi COM Download 14.8% of the bin file
Upgradi COM: 4 Jownload 14.8% of the bin file
Upgradi COM:5 🔽 Download 14.8% of the bin file
Upgradi COMIG Download 14.8% of the bin file
Start the SW upgrade
COM06:AA 00 04 00 06 00 00 00 01 16 7C 0C
COM04:AA 00 04 00 06 00 00 00 00 01 15 4C 6F
COM03:AA 00 04 00 06 00 00 00 00 01 15 4C 6F
COM05:AA 00 04 00 06 00 00 00 01 15 4C 6F
COM04:AA 00 04 00 06 00 00 00 00 01 16 7C 0C COM03:AA 00 04 00 06 00 00 00 00 11 16 7C 0C
COM04:AA 00 04 00 06 00 00 00 00 01 16 7C 0C COM03:AA 00 04 00 06 00 00 00 00 116 7C 0C COM05:AA 00 04 00 06 00 00 00 01 16 7C 0C
COM04;AA 00 04 00 06 00 00 00 01 16 7C 0C COM03;AA 00 04 00 06 00 00 00 01 16 7C 0C COM05;AA 00 04 00 06 00 00 00 01 16 7C 0C COM06;AA 00 04 00 06 00 00 00 01 17 6C 2D
COM04;AA 00 04 00 06 00 00 00 01 16 7C 0C COM03;AA 00 04 00 06 00 00 00 01 16 7C 0C COM05;AA 00 04 00 06 00 00 00 01 16 7C 0C COM06;AA 00 04 00 06 00 00 00 01 17 6C 2D

Once it reaches 100%, you will see following picture which means flashing successfully.



5. Click "Leave Remote COM" to bring gateway back to work.



6. Confirm the result:

V		s k s	YSTEM GSM SI	P ROUTING SMS NETWORK ADVANC		
e	SSM Details	unction: Send AT C	GSM Settings Advar	ommun Call Value DTMF BCCH	penVox Solution	
		Action AT+CGMR	Copy to Se	elected Clear All Extgute		
P	Port	Input	Output			
	gsm-1.1	AT+CGMR				
	tsm-1.2	AT+CGMR				
•	usm-1.3	AT+CGMR				
	gsm-1.4	AT+CGMR				
•	ısm-2.1	AT+CGMR				
	gsm-2.2	AT+CGHR	//			
$\mathbf{V}^{\mathfrak{g}}$	gsm-2.3	AT+CGMR				
		Function:	Send AT Command V			
		Action:	AT+CGMR	Copy to Selected Clear All Execute		
	Port	Input		Output		
	gsm-1.1	AT+	CGMR	Revision: H35AR02A02	New version	
	gsm-1.2	AT+	CGMR	Revision: M35AR02A02 OK	IF M35F,	it will show
	gsm-1.3	AT+	CGMR	Revision: M35AR02A02 OK	M35FAR	01A08
	gsm-1.4	AT+	CGMR	Revision: M35AR02A02	ld version	
	gsm-2.1	AT+	CGMR	Revision: M35AR01A22		
	nsm-2.2	AT+	CGMR	Revision: M35AR01A22		

Warning:

All steps above MUST be carried on under windows XP or windows 7 32bit system.