# SIM68 EPO User Guide

# AN\_User Guide Design\_V0.1





Document Title:	SIM68 EPO Load User Guide
Version:	0.1
Date:	2012-12-27
10Status:	Draft
Document Control ID:	AN_EPO User Guide _V0.1

#### **General Notes**

SIMCom offers this information as a service to its customers, to support application and engineering efforts that use the products designed by SIMCom. The information provided is based upon requirements specifically provided to SIMCom by the customers. SIMCom has not undertaken any independent search for additional relevant information, including any information that may be in the customer's possession. Furthermore, system validation of this product designed by SIMCom within a larger electronic system remains the responsibility of the customer or the customer's system integrator. All specifications supplied herein are subject to change.

#### Copyright

This document contains proprietary technical information which is the property of SIMCom Limited., copying of this document and giving it to others and the using or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights reserved in the event of grant of a patent or the registration of a utility model or design. All specification supplied herein are subject to change without notice at any time.

Copyright © Shanghai SIMCom Wireless Solutions Ltd. 2008



# 1、 Load EPO file;

Click the empty of the<Epo file open>, choose the EPO file folder;

SIM28/SIM68R/SIM68V EPO PC Tool	? _ 🗆 🗙
<u>R</u> efresh <u>E</u> xit <u>A</u> bout	
Epo file open	
Serial Port Set Port. COM1  BaudRate 115200 FlowCtr NONE Data Bit: 8 Parity: None Stop Bit: 1	
Host Assistance EPO Reference UTC time:(PMTK740) Reference Location: (PMTK741) Host EPO AID once Host EPO AID once Location: (PMTK741) Host EPO AID once Reference UtC time:(PMTK741) Host EPO AID once Reference UtC time:(PMTK741) Reference UtC time:(PMTK741) Host EPO AID once Reference UtC time:(PMTK741) Host EPO AID once Reference UtC time:(PMTK741) Reference UtC time:(PMTK741) Reference UtC time:(PMTK741) Host EPO AID once Reference UtC time:(PMTK741) Host EPO AID once Reference UtC time:(PMTK741) Reference UtC time:(PMTK7	Nmea S <u>t</u> art
Send MTK packet	
Trace Window	
	Clear
	<u>S</u> ave

### $2_{s}$ Serial Port Set

Make sure the COM port is right, and the baudrate; activate it; then you will see

M SIN28/SIN68R/SIN68V EPO PC Tool 2 - 🗆 🗙
Refresh Exit About
Epo file open C:\Documents and Settings\rongrong.sun\桌面\MTK30.EPO
Serial Port Set         Port. CDM2 • BaudRate[9600 • FlowCtr[NONE •         Data Bit. (8 • Parity: None • Stop Bit. 1 •         Host Assistance EP0         Reference UTC time:[PMTK740]         Host EP0 AlD once         Send MTK packet         Send
Trace Window Serial Port
Sys Info : RTS> LOW LEVEL!         Sys Info : DTR> LOW LEVEL!         Sys Info : DSR> HIGH LEVEL!         Sys Info : RI> HIGH LEVEL!         Sys Info : DCD> HIGH LEVEL!         Sys Info : CTS> HIGH LEVEL!
\$GPGGA,002851.304,,,,,0,0,,,M,,M,,*41[0D][0A] \$GPGSA,A,1,,,,,,,,*1E[0D][0A] \$GPGSV,1,1,00*65[0D][0A] \$GLCSV,1,1,00*65[0D][0A] \$GPRMC,002851.304,V,,,,0.00,0.00,060180,,,N*4B[0D][0A] \$GPVTG,0.00,T,,M,0.00,N,0.00,K,N*32[0D][0A]

3、 Upgrading

AN\_EPO User Guide \_V0.1



#### SIM900 Design Application Notes

Click the Update button, you could see the progress bar is moving;



#### 4、 Check

After the update procedure finished, you could find the progress bar is full, meanwhile, you could also execute <\$PMTK607> to see the result, if successful, you will get:

\$PMTK707, **56**, 1713, 259200, 1715, 237600, 0, 0, 0, 0\*17[0D][0A]

The 56 means 14 days, as one day is divided in 4(6 hours means 1); then 14 days equal to 56; *Be noted: module internal flash only could store 14 days;* 



## SIM900 Design Application Notes

SIN28/SIN68R/SIN68V EPO PC Tool				
Refresh Exit About				
Epo file open C:\Documents and Settings\rongrong.sun\桌面\MTI	K30.EPO			
Serial Port Set Port: COM2  BaudRate 9600 FlowCtr/NONE Data Bit: 8 Parity: None Stop Bit: 1	<u>C</u> LOSE PORT			
Host Assistance EPO	EPO in Flash	1		
Reference UTC time:(PMTK740)     Beference Location: (PMTK741)	Nmea St <u>o</u> p	<u>U</u> pdate	Query	<u>C</u> lear
Send MTK packet				
Send \$PMTK607				
Trace Window				
Serial Port				
				<b>_</b>
<pre>\$PMTK705, AXN_3.10_3333_12102201, 0000, B03V [0A] PC-&gt;Module: \$PMTK603*37</pre>	11SIM68R_96,*6	3[0D]		
\$PMTK001,603,1*37[0D][0A] PC->Module: \$PMTK605*31				
\$PMTK705, AXN_3.10_3333_12102201,0000,B03V [0A] PC->Module: \$PMTK607*33	11SIM68R_96, <b>*6</b>	3[OD]		
\$PMTK707, 56, 1713, 259200, 1715, 237600, 0, 0, 0	,0*17[0D][0A]			-

5、 Error condition



SIM900 Design Application Notes

SIN28/SIN68R/SIN68V EPO PC Tool esh <u>E</u> xit <u>A</u> bout no file open					? -
Serial Port Set ort COM2 ▼ BaudRate 115200 ▼ FlowCtr NONE ▼ ata Bit 8 ▼ Parity: None ▼ Stop Bit 1 ▼	<u>C</u> LOSE PORT				
Host Assistance EPO           Reference UTC time:(PMTK740)           Reference Location: (PMTK741)           Host EPO AID once	EPO in Flash Nmea St <u>o</u> p	<u>U</u> pdate	<u>Q</u> uery	<u>C</u> lear	Nmea S <u>t</u> art
Send MTK packet	5				
se Window erial Port					
[00] [00] [00] [00] [00] [00] [00] [00]	00] [00] [00] [00] [00] [00] 00] [00] [0	]		<b>^</b>	Cļear
L00] L00] L00] L00] L00] L00] L00] L00]	00] [00] [00] [00] [00] 00] [00] [00] [0	] ]			<u>S</u> ave
[00] [00] [00] [00] [00] [00] [00] [00]	00] [00] [00] [00] [00] [00] [00] [00]	]			
[00] [00] [00] [00] [00] [00] [00] [00]	00] [00] [00] [00] [00] [00] 00] [00] [0	] ] ]			
[00] [00] [00] [00] [00] [00] [00] [00]	00][00][00][00][00][00]				
[00] [00] [00] [00] [00] [00] [00] [00]	00] [00] [00] [00] [00] 00] [00] [00] [0	]			
[00] [00] [00] [00] [00] [00] [00] [00]	00] [00] [00] [00] [00]	]			
				-	

For this situation happens, you should check the module's default baudrate;

Contact us: Shanghai SIMCom Wireless Solutions Ltd. Add: Building A, SIM Technology Building, No.633, Jinzhong Road, Changning District, Shanghai,P. R. China 200335 Tel: +86 21 3235 3300 Fax: +86 21 3235 3301 URL: www.sim.com/wm