

Title	MSP340 TCP/IP Protocol			
Model No	MSP340			
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Revision	Date	Description	CHECK	APPR
Ver 1.0	2013/2/5	SMS + TCP/IP	Charlie	James

# MSP340 TCP/IP

V1.0

## Command Format use ASCII code

LEAD CODE	COMMAND CODE	SERIAL No.	IMEI	Total byte	Parameter
# 1 BYTE	CC 2 BYTE	CCC (000-999) 2 bytes	cccccccccccccc IMEI code.	CCC (000-255)	(command string) 82 byte

## Command Table

Function	Command	Description
CONNECT (S COMMAND)	Login (SA) (Tracker -> Server)	SA IMEI No. + Firmware Version Type: 0-9, Length :depend on Parameter byte (without Connecting Session & IMEI)  <b>Exp</b> #SA000353419034291315035MSP340.TCPs.2013012901.INTERNET.209 #SA = command 000 = Connecting Session 353419034291315 = IMEI 035 = Total 43 byte MSP340.TCPs.2013012901.INTERNET.209= Firmware Version (Total 43 byte)
	Login response (SB) (Server- > Tracker)	SB MEI No. + Firmware Version Type: 0-9, Length :depend on Parameter byte (without Connecting Session & IMEI)  <b>Exp</b> #SB000353419034291315035MSP340.TCPs.2013012901.INTERNET.209 #SB = command 000 = Connecting Session 353419034291315 = IMEI 035 = Total 43 byte MSP340.TCPs.2013012901.INTERNET.209= Firmware Version (Total 43 byte)

LOACATION REPORT (R COMMAND)	Interval time setting (RC) (Server- > Tracker)	RC	HH MM SS Location report Time : 0-9, Hours(0-99),Min(0-59),Sec(0-59)  <b>Exp</b> # RC0003534190342913150200000300000000000000  000 =SERIAL NO 353419034291315 = IMEI 006 = Total 19 byte 000030=00 hours, 00 min , 30sec (Every 30 sec , sent out 1 time report ) 000000= Reserve 00000 = Reserve 000 = Reserve
	Location report (RD) (Tracker -> Server)	RD	<b>Exp</b> #RD0603533010551261840783101130958132504.2177N12135.5375EV283.93100CeMIPVP000 00000000000000001000597C2ED #RD = command 060 = SERIAL NO 353301055126184 = IMEI 078 = Total 131 byte 310113 =2013/01/31 095813 = UTC time 09:58:13 2504.2177N = Latitude 12135.5375E = Longitude V = GPS status 28 = CSQ (GSM Signal) 3.93 = Battery Voltage 3.93V 1 = Power mode 0 = Still mode 0 = data logger mode CeMIPVP000000000000000000= 24 bytes (Reserve) 100 = HDOP 0597=LAC (0000-FFFF 4 byte Char) C2ED =Cell ID (0000-FFFF 4byte Char)

**#RD command** (Total 102 byte)

Data	UTC Time	Latitude	Longitude	GPS Status	ALRAM (P1)	GPS SINGAL (P2)	LAC Cell (P3)
nnnnnn DDMMYY	nnnnnn HHMMSS	nn nn.nnnn N/S	nnn nn.nnnn E/W	A=data valid V=data not valid	00000000 (P1)	00000000000000000000000000000000	0000 0000
6 bytes	6 bytes	10 bytes	11 bytes	1 byte	9 bytes	27 bytes	8 bytes

## P1 : Alarm format

1st /2nd byte	3rd /4th /5th /6th byte	7th byte	8th byte	9th byte
00	0000	0	0	00
GSM signal CSQ	Battery Voltage	Power mode	Still mode	Data logger mode

1st /2nd byte GSM signal CSQ	
Status	狀態說明
0~99	CSQ :0~99 GSM signal reception CSQ<4 or 99 No Signal CSQ<10 Level 1 CSQ<16 Level 2 CSQ<22 Level 3 CSQ<28 Level 4 CSQ>=28 Level 5

3 <sup>rd</sup> /4 <sup>th</sup> /5 <sup>th</sup> /6 <sup>th</sup> byte Battery Voltage	
Status	
0.00-9.99	For example : 3.93 , Battery voltage is 3.93 V

7 <sup>th</sup> byte Power mode	
Status	
0	Default
1	Only use Li-ion battery
2	No battery , use external power
3	Use external power , and charging
4	Use external power , and battery is full
5	Low power

8 <sup>th</sup> byte Still mode	
Status	
0	Normal
1	Still mode

9 <sup>th</sup> byte Data logger mode	
Status	
0	Normal
1	Data logger mode ( Not real time GPS location)