

整理人 starli

因为我做的这个模块只用打电话与发短信的功能 而且鉴于网上许多命令写的特别难理解。所以花了一些时间把常用的整理出来 以下命令全部在 TC35i 上测试成功。

2006.12.16

## 一.打电话

ATD 拨号命令。这个命令用来设置通话、数据或传真呼叫。

例 ATD13844019770;

ATH 挂机命令。

ATA 接电话。

## 二.短信息

### 1. 设置短消息模式

AT+CMGF=?

(0)=PDU (1)=TEXT

PDU 模式可以传送文字 TEXT 模式只可以传送数字和字母

### 2. 设置短消息中心

AT+CSCA= "+8613800270500" 回车(具体的号码由当地的运营商决定。)

### 3. 接收短消息

AT+CMGR=X 回车 (从 X 存储区读短消息)

例如:

at+cmgr=1

+CMGR: "REC READ","06014",,"06/12/12,10:11:21+32"

5C0A656C76845BA26237002C60A8768498845B588BDD8D395DF27ECF4E0D8DB3003200305143002

C8BF75C3D5FEB5B5850A88BDD8D39002C4EE5514D624B673A88AB505C673A902062104E0D5FC58

9817684635F5931

AT+CMGL=1

+CMGL: 2,1,,28

0891683108501705F0040D91683177471549F0000040016251920200098A640F269BC5DA41

+CMGL: 3,1,,28

0891683108501705F0040D91683177471549F0000040016251928300098A640F0683C1DA41

ok

### 1) text 模式 (AT+CMGF=1 采用文本格式发送)

“REC UNREAD” 未读信息 (默认)

“REC READ” 已读信息

“STO UNSENT” 未发送信息

“STO SENT” 已发送信息

“ALL” 所有信息

### 2) PDU 模式 (AT+CMGF=0 采用 PDU 格式发送)

0 未读信息 (默认)

1 已读信息

2 未发送信息

3 已发送信息

4 全部信息

### 单条读取短信

AT+CMGR=8

返回: +CMGR: 1,,28

0891683108501705F0040D91683177471549F0000040017290146500098A640F0683C5DA41

AT+CMGD=X 回车 (从 X 存储区删除短消息)

### 4. 发送短消息

AT+CMGF=1 回车(采用文本格式发送, 如用 PDU 格式, 则 AT+CMGF=0)

AT+CMGS= "+8613xxxxxxxxxx" 回车

>输入短消息。Ctrl+Z 结束并发送。

发送: 0891683108701305F011000B813179133208F10000AA2632184CF682D95

E30DC2B36D3D170A0243106933D97A0243106933D97A02451068B19834926081A

不计最初 9 个短消息信元字节, 本短信息有 52 字节 (104 个字符)。

AT+CMGS 仅说明了 SMSC 信息内容的长度, 在收到手机回答的>符号后才发送 PDU 数据串,

并以 (CTRL^Z) 结束。

### 编辑短信到存储器

AT+CMGW=

### 从存储器中发短信

AT+CMSS=?

读取手机短信容量状况,"ME"74 为手机中 74 条 "SM" 为 SIM 卡

AT+CPMS?

返回: +CPMS: "ME",74,100,"SM",0,50,"SM",0,50

联通

AT+CPMS?

+CPMS: "ME",74,100,"SM",18,40,"SM",18,40

## 2006.12.16 测试数据

采用超级终端 9600bps 模块 TC35i

```
^SYSSTART
at+cmgf=1]
ERROR
at+cmgf=1
OK
at+cmgr=1
+CMGR: "REC READ", "+8613689801521", "06/11/29,09:51:35+32"
59294F7F8BF4002A795D798F002C572896EA4E2D002A75285FC3753B00390039673590C191D19999
8BB8613F002C4E0A5E1D5C314F1A542C5230002E6211628A82B1753B6EE196625B50002C7EC84E8E
4E0A5E1D8BF4003A8BB84E2A613F5427002E62118BF4003A62118981770B77ED4FE176844EBA6574
4E2A51AC5B6390FD6E296696002E

OK
at+cmgs=13894894592
> hjdskdhfjk→
+CMGS: 181

OK
atd13234372829;
NO CARRIER
at+cmgs=13234372829
> ni ha fdhjkafhkhk→
+CMGS: 1

OK
atd13234372829;
NO CARRIER
atd13234372829;
NO CARRIER
4td13704360707;
AT+CMGF?
+CMGF: 1

OK
AT+CMGR=1
+CMGR: "REC READ", "06013", "06/11/28,12:10:39+32"
5C0A656C76845BA26237002C60A8768498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C
8BF75C3D5FEB5B5850A88BDD8D39002C4EE5514D624B673A88AB505C673A902062104E0D5FC58981
7684635F5931

OK
AT+CMGF=0
OK
AT+CMGL=4
+CMGL: 1,1,,102
0891683108401345F42405A16010F3000860118221019323565C0A656C76845BA26237002C60A876
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931
+CMGL: 2,1,,102
0891683108401345F42405A16010F0000860118241400023565C0A656C76845BA26237002C60A876
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931
+CMGL: 3,1,,150
0891683108401345F40406A13521850008601192117265238662E800310032003500390030003600
```

38003000304E0B8F7D67084EAE4E4B4E0A30014E0A6D776EE930016C424F5B591A999694C358F0FF  
0C8BA94F607684624B673A66F452A8542CFF0162E80031003200350039003000360038003100387C  
BE5F698DA34E8B7B494F60542CFF018BE200300031003000360037003800360038003800300030  
+CMGL: 4,1,,102  
0891683108401345F42405A16010F1000860119211946523565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 5,1,,102  
0891683108401345F42405A16010F1000860119251302123565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 6,1,,96  
0891683108401345F42405A17004F300086011925152612350611F8C2260A853C252A06211516C53  
F853D177ED4FE18D608BDD8D396D3B52A8002C8D60900176848BDD8D395DF25B5851654E8660A85E  
10623700218BE660C554A88BE200310030003000380036002E

OK  
AT+CMGF?  
+CMGF: 0

OK  
AT+CMGF?  
+CMGF: 0

OK  
0000?  
ATS0=2  
OK  
0020?  
ATS0=2  
OK  
2  
OK

NO CARRIER  
at+cnmi=2,1,,1  
OK  
at+cpas  
+CPAS: 0

OK  
atd13844874139;  
NO DIALTONE  
at+csq  
+CSQ: 22,99

OK  
at+cmgf  
ERROR  
at+cmgf?  
+CMGF: 0

OK  
at+cmgl=1  
+CMGL: 1,1,,102  
0891683108401345F40405A16010F4000860212101111223565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931

+CMGL: 2,1,,102  
0891683108401345F40405A16010F1000860212121143323565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 3,1,,102  
0891683108401345F40405A16010F1000860213190537523565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 4,1,,102  
0891683108401345F40405A16010F0000860214121641423565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A9020

OK  
at+cmgr=8  
+CMGR: 0,,0

OK  
at^scni  
^SCNI: 1  
^SCNI: 2  
^SCNI: 3  
^SCNI: 4  
^SCNI: 5  
^SCNI: 6  
^SCNI: 7

OK  
at+cmgf=1  
OK  
at+cmfr  
ERROR  
at+cmgl  
+CMGL: 5,"REC UNREAD","06010",,"06/12/16,13:49:48+32"  
5C0A656C76845BA26237002C60A8768498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C  
8BF75C3D5FEB5B5850A88BDD8D39002C4EE5514D624B673A88AB505C673A902062104E0D5FC58981  
7684635F5931  
+CMGL: 6,"REC UNREAD","+8613844019770",,"06/12/16,14:06:54+32"  
62C95F0053E36C34

OK  
at+cmgl=4  
ERROR  
at+cmgl=1  
ERROR  
at+cmgl=4  
ERROR  
at+cmgf=0  
OK  
at+cmgl=4  
+CMGL: 1,1,,102  
0891683108401345F40405A16010F4000860212101111223565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 2,1,,102  
0891683108401345F40405A16010F1000860212121143323565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 3,1,,102

0891683108401345F40405A16010F1000860213190537523565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 4,1,,102  
0891683108401345F40405A16010F0000860214121641423565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 5,1,,102  
0891683108401345F40405A16010F0000860216131948423565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 6,1,,28  
0891683108401345F5040D91683148049177F00008602161416045230862C95F0053E36C34

OK

at+cmgl=4

+CMGL: 1,1,,102

0891683108401345F40405A16010F4000860212101111223565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 2,1,,102  
0891683108401345F40405A16010F1000860212121143323565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 3,1,,102  
0891683108401345F40405A16010F1000860213190537523565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A9020  
+CMGL: 4,1,,102  
0891683108401345F40405A16010F0000860214121641423565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 5,1,,102  
0891683108401345F40405A16010F0000860216131948423565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 6,1,,28  
0891683108401345F5040D91683148049177F00008602161416045230862C95F0053E36C34

OK

at+cmgl=1

+CMGL: 1,1,,102

0891683108401345F40405A16010F4000860212101111223565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 2,1,,102  
0891683108401345F40405A16010F1000860212121143323565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 3,1,,102  
0891683108401345F40405A16010F1000860213190537523565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 4,1,,102  
0891683108401345F40405A16010F0000860214121641423565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A9020  
+CMGL: 5,1,,102

0891683108401345F40405A16010F0000860216131948423565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 6,1,,28  
0891683108401345F5040D91683148049177F00008602161416045230862C95F0053E36C34

OK  
at+cmgl=2  
OK  
at+cmgl=3  
OK  
at+cmgl=5  
ERROR  
at+cmgl=1

+CMGL: 1,1,,102  
0891683108401345F40405A16010F4000860212101111223565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 2,1,,102

0891683108401345F40405A16010F1000860212121143323565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 3,1,,102

0891683108401345F40405A16010F1000860213190537523565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 4,1,,102

0891683108401345F40405A16010F0000860214121641423565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 5,1,,102

0891683108401345F40405A16010F0000860216131948423565C0A656C76845BA26237002C60A876  
8498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C8BF75C3D5FEB5B5850A88BDD8D3900  
2C4EE5514D624B673A88AB505C673A902062104E0D5FC589817684635F5931  
+CMGL: 6,1,,28  
0891683108401345F5040D91683148049177F00008602161416045230862C95F0053E36C34

OK  
atd13844019770;  
NO CARRIER  
ath  
OK  
ath  
OK  
ath  
OK  
at+clip=?  
+CLIP: (0,1)

OK  
Oteo4?  
at+cmgf=0  
OK  
at+csms  
ERROR  
at+csms=0  
+CSMS: 1,1,1

OK  
at+cmgs="13844019770"  
ERROR  
at+cmgs=13844019770  
ERROR  
at+cmgs  
ERROR  
at+cmgs="+8613844019770"  
ERROR  
at+cmgs="+8613844019770"  
ERROR  
ath  
OK  
atd13844019770;  
NO CARRIER  
ath  
OK  
at+cmgf=1  
OK  
at+cmgs="13844019770"  
→ starli ok?  
+CMGS: 36

OK  
at+cmgs="13844019770"  
> 你好 →  
+CMGS: 37

OK  
at+cmti  
ERROR  
at+cmti:"sm",2  
ERROR  
at+cmgr=2  
+CMGR: "REC READ","06011",,"06/12/12,12:41:33+32"  
5C0A656C76845BA26237002C60A8768498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C  
8BF75C3D5FEB5B5850A88BDD8D39002C4EE5514D624B673A88AB505C673A902062104E0D5FC58981  
7684635F5931

OK  
at+cmgr=3  
+CMGR: "REC READ","06011",,"06/12/13,09:35:57+32"  
5C0A656C76845BA26237002C60A8768498845B588BDD8D395DF27ECF4E0D8DB3003  
5C0A656C76845BA26237002C60A8768498845B588BDD8D395DF27ECF4E0D8DB3003  
7684635F5931

OK  
at+cmgr=4  
+CMGR: "REC READ","06010",,"06/12/14,12:46:41+32"  
5C0A656C76845BA26237002C60A8768498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C  
8BF75C3D5FEB5B5850A88BDD8D39002C4EE5514D624B673A88AB505C673A902062104E0D5FC58981  
7684635F5931

OK  
at+cmgr=1  
+CMGR: "REC READ","06014",,"06/12/12,10:11:21+32"  
5C0A656C76845BA26237002C60A8768498845B588BDD8D395DF27ECF4E0D8DB3003200305143002C  
8BF75C3D5FEB5B5850A88BDD8D39002C4EE5514D624B673A88AB505C673A902062104E0D5FC58981



7684635F5931

OK

2

OK

NO CARRIER

2

OK