



# SMS comfort

## Technical Tip 9

### MobileTel and SMS Comfort

#### Most important functions.

- **Dual band** (900 en 1800 MHz) **mobile phone** with two buttons.
- **PIN code** required
- Two **pre programmable alarm buttons**.
- **Everyone** can **call** the mobile device. Accepting the call with the green button.
- **Weight** 75g, **Standby** >10 days.
- **Fall detection**: A brutal movement or a vertical position of the device will activate a pre-alarm, if no reaction is detected a call and/or SMS will be triggered.
- **Inactivity detection**: if the device is not moving in the timeframe set in the device an alarm will be triggered
- **Critical Temperature detection**: If the mobile phone goes under the minimum temperature setting or above the maximum temperature setting an alarm will be triggered. SMS and/or call.
- **Monitoring**: status battery, periodic test, temperature restored.
- **Phonebook**: 9 numbers can be set in the phonebook.





### Alarm functions.

- E0 = Red switch
- E1 = Green switch
- E2 = Temperature
- E3 = fall detection
- E4 = inactivity detection
- E5 = low battery
- E6 = very low battery
- E7 = theft
- E8 = periodic test
- E9 = System fails

### Configuration setup <Ex:FVvSs>

- F = function ON/OFF
- V = primer voice number 1-9 (0=non)
- v = secondary voice number 1-9 (0=non)
- S = primer SMS number 1-9 (0=non)
- s = secondary SMS number 1-9 (0=non)



### Monitoring

- <T?> = phonebook
- <E?> = Alarm settings Report
- <I?> = System Report
- <A?> = Active report
- <V?> = firmware en version
- <H?> = most recent log
- <H:01> = last 5 events

Default pin: 4444



### **Led indicators:**

Green blinking:	Normal operation
Green continues:	Power adapter is connected
Orange blinking:	reception GSM minimal
Orange continues:	After several trails of communication
Red blinking:	low battery (device needed to be loaded immediately)
Red continues:	System error

### **Response codes**

- 00 = MobileTel - Emergency (Red Switch)
- 01 = MobileTel - Help (Green Switch)
- 02 = MobileTel - Temperature Out of Range
- 03 = Falling Detected
- 04 = Inactivity Detected
- 05 = Low Battery
- 06 = Flat Battery
- 07 = Theft Detected
- 08 = Periodic Test
- 09 = System Fail
- 10 = Fuera de Area de Seguridad
- 12 = Temperature Restored
- 15 = Battery Restored
- 21 = MobileTel - Phonebook
- 22 = MobileTel - Enables
- 23 = MobileTel - Information
- 24 = MobileTel - Activity Report
- 25 = MobileTel - Firmware Versions
- 26 = MobileTel - Event Log
- 27 = *MobileTel - Location (GSM Cells)*
- 28 = *MobileTel - Information of config. GPS*
- 62 = *MobileTel - Event Detected*
- 72 = *MobileTel - Event Detected*





### Special settings:

<OFF> = power down  
<DROBO> = deactivate theft function  
<HROBO> = activate theft function  
<RST> = Reset device (reboot)  
<CLK> = Set clock  
<CAL> = Calibrate system  
<lok?> = location device (lbs) triangulation detection (LBS)  
<gps?> = GPS configuration  
<MGPS:GG> = GPS mode 0/1/2  
<TimeTrack:TT> = Tiempo de tracking  
<TGPS:TG> = Tiempo de gps (01-99 min)  
<SA:SI-%LA%-%LL%-%RA%> = active secured zone (LBS)  
LL=Longitude (W) DDDMMmmmm (003430000W)  
LA=Latitude (N) DDMMmmmmN (40180000N)  
RA= Radio xxxxx (00500)  
<SA:NO> = deactivate secured zone

### Settings:

<Spk:x><Mic:10> = Speaker Power (0-4) / Microphone Gain (00-32)  
<nu:xxxxxxx> = name device/user 8 characters  
<BA:xyy> = Flat Battery Level xx,yy%  
<BB:xyy> = Low Battery Level xx,yy%  
<BR:xyy> = Restored Battery Level xx,yy%  
<TB:xx> = Low Temperature (deg.)xx°C  
<TA:xx> = High Temperature (deg.) xx°C  
<MD:x> = Voice response a = auto, m= Manuel, t=Phonebook  
<TP:DDHH> = Periodic test days and hours (DDHH)  
<IN:HH> = Inactivity alarm in hours  
<T1:nr><T2:nr .....><T10:NR>

Every SMS action must be closed with **<absesamo>**



## **Configuration Examples:**

### ***User setup***

```
<NU:SMS-01><CLK><absesamo>  
<DeviceName SMS-01><set clock><close>
```

```
<T1:0032473803180><T2:0032477324847><absesamo>  
<set Tel nr1><set Tel nr2><close>
```

```
<E0:12010><E1:10010><E2:10020><E3:10010><E3:10010><E4:10010><absesamo>  
<E0=Red switch ><E1=Green switch ><E2=Temperature ><E3=fall detection ><E4=inactivity detection ><close>
```

```
<E5:10010><E6:10010><E7:10010><E8:10010><E9:10010><absesamo>  
<E5=low battery ><E6=very low battery ><E7=theft ><E8=periodic test ><E9=System fails ><close>
```

### ***General setup device***

```
<BA:3000><BB:3550><BR:4200><TB:05><TA:22><TP:3000><IN:02><MD:m><absesamo>  
<bat critical><bat low><bat OK><Min temp 5°C><Max T emp 22°C><Test 30days><inactive 2h><calls manually> <close>
```

### ***Request Reports:***

```
<T?><E?><I?><A?><V? ><absesamo>  
<Phonebook?><alarm setting?><system report?><active report?><firmware and version?><close>
```





### Examples of information Reports:

#### **21 = MobileTel - Phonebook**

<21-touring1-1:080013009-2:0476501520-3:-4:0032477354194-5:-6:-7:-8:-9:-10:>

#### **22 = MobileTel - Enables**

<22-johan1-E0:11200-E1:11000-E2:10020-E3:12000-E4:12000-E5:10020-E6:10020-E7:10010-E8:10010-E9:10010>

#### **23 = MobileTel - Information**

<23-touring1-07/11/06,16:47:32-Bat:3913-GSM:6-Carga:No-Tmp:22§C-Alt:3-Mic:06-TP:3000-TA:40-TB:00-BA:3550-BB:3750-BR:4000-IN:24-MD:m>

#### **24 = MobileTel - Activity Report**

<24-sms-demo-07/10/26,15:58:53-Motionless>

#### **25 = MobileTel - Firmware Versions**

<25-sms-demo-07/10/25,23:18:44-MobileTel 1.01Tou (06/12/20)-TC45 REVISION 02.02-Pic Vers. 01.01 a11-IMEI 351277000911569>

#### **26 = MobileTel - Event Log**

<26-sms-demo-00-03=07/10/26,15:52:33-02=07/10/26,15:52:17-03=07/10/26,15:50:32-01=07/10/26,15:50:20-00=07/10/26,14:48:18>

#### **27 = MobileTel - Location (GSM Cells)**

<27-demo-sms-07/10/25,15:14:37-206,01,051B,5D0C,41,79,42,41,41,206,01,051B,5D0B,30,72,42,41,41,206,01,051B,5D0A,66,63,25,24,24,206,>

### Examples of Alarm Reports:

#### **00 = MobileTel - Emergency (Red Switch)**

<00-demo-sms-07/11/08,10:45:04-Noodknop/ bouton de secours>

#### **01 = MobileTel - Help (Green Switch)**

<01-demo-sms-07/11/08,10:44:21-Hulpknop/ bouton d'aide>

#### **03 = Falling Detected**

<03-sms-demo-07/10/26,11:29:47-Val detectie/ detection de chute>

#### **04 = Inactivity Detected**

<04-sms-demo-07/10/26,14:11:11-Inactiviteit detectie/ detection d'inactivite>

#### **15 = Battery Restored**

<15-demo-sms-07/11/07,18:42:48-Batterij OK/ battery remplie.Vb:4001>