



Demo software: GSM\_easy\_sendmail.ino

Generated with "ComLine-Analyser" (hardware) and Docklight (PC software)

## Communication Protocol

(blue: Arduino ---> GSM\_easy-Shield, red: GSM\_easy-Shield ---> Arduino)

AT<CR>

AT<CR>

<CR><LF>

OK<CR><LF>

ATE0<CR>

ATE0<CR>

<CR><LF>

OK<CR><LF>

<CR><LF>

+CFUN: 1<CR><LF>

<CR><LF>

+CPIN: SIM PIN<CR><LF>

AT+CPIN=1357<CR>

<CR><LF>

+CPIN: READY<CR><LF>

<CR><LF>

OK<CR><LF>

AT+IPR=9600<CR>

<CR><LF>

OK<CR><LF>

AT+QIURC=0<CR>

<CR><LF>

OK<CR><LF>

AT+CREG?<CR>



```
<CR><LF>  
+CREG: 0,2<CR><LF>  
<CR><LF>  
OK<CR><LF>
```

```
AT+CREG?<CR>
```

```
<CR><LF>  
+CREG: 0,1<CR><LF>  
<CR><LF>  
OK<CR><LF>
```

```
AT+CREG?<CR>
```

```
<CR><LF>  
+CREG: 0,1<CR><LF>  
<CR><LF>  
OK<CR><LF>
```

```
AT+CGATT?<CR>
```

```
<CR><LF>  
+CGATT: 0<CR><LF>  
<CR><LF>  
OK<CR><LF>
```

```
AT+CGATT?<CR>
```

```
<CR><LF>  
+CGATT: 0<CR><LF>  
<CR><LF>  
OK<CR><LF>
```

```
AT+CGATT?<CR>
```

```
<CR><LF>  
+CGATT: 1<CR><LF>  
<CR><LF>  
OK<CR><LF>
```

```
AT+QISTAT<CR>
```

```
<CR><LF>  
OK<CR><LF>  
<CR><LF>  
STATE: IP INITIAL<CR><LF>
```



AT+QICSGP=1,"internet.t-mobile.de","t-mobile","whatever"<CR>

<CR><LF>

**OK**<CR><LF>

AT+QIDNSIP=1<CR>

<CR><LF>

**OK**<CR><LF>

AT+QISTAT<CR>

<CR><LF>

**OK**<CR><LF>

<CR><LF>

**STATE: IP INITIAL**<CR><LF>

AT+QSMTPCLR<CR>

<CR><LF>

**OK**<CR><LF>

AT+QSMTPSRV="smtp.antrax.de",25<CR>

<CR><LF>

**OK**<CR><LF>

AT+QSMTPUSER="m0187ef4"<CR>

<CR><LF>

**OK**<CR><LF>

AT+QSMTPPWD="2wx8wgqMNeLRgJmbhi"<CR>

<CR><LF>

**OK**<CR><LF>

AT+QSMTPNAME="Harry Potter"<CR>

<CR><LF>

**OK**<CR><LF>

AT+QSMTPADDR="test@potty.de"<CR>

<CR><LF>



**OK**<CR><LF>

AT+QSMTPDST=1,1,"willi@butz.de"<CR>

<CR><LF>

**OK**<CR><LF>

<CR><LF>

**+QSMTPDST: 0**<CR><LF>

AT+QSMTPDST=1,2,"manuela@mustermann.de"<CR>

<CR><LF>

**OK**<CR><LF>

<CR><LF>

**+QSMTPDST: 0**<CR><LF>

AT+QSMTPSUB=0,"Hello World"<CR>

<CR><LF>

**OK**<CR><LF>

AT+QSMTPBODY=1,10<CR>

<CR><LF>

**OK**<CR><LF>

<CR><LF>

**CONNECT**<CR><LF>

This is my very important test message ... just send from my GSM-easy!  
- Shield+++

<CR><LF>

**+QSMTPBODY: 79**<CR><LF>

AT+QSMTPPUT<CR>

<CR><LF>

**OK**<CR><LF>

<CR><LF>

**+QSMTPPUT: 0**<CR><LF>

Email sending process successful<CR><LF>

<CR><LF>



END OF DEMO