
Technical Documentation

E-mail

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Measurement stations which are equipped with a GPRS-capable modem (Siemens TC63 or higher), allow automatic dispatch of the daily measurement data by e-mail to a mailbox.

The following information is required in order to send the Logger data by e-mail:

- *Data from the **mobile telephone service provider** for accessing the Internet (e.g. Vodafone, T-Mobile...)*
 1. APN (Access Point Name)
 2. User-ID
 3. Password

In the case of international projects it will usually be cheaper (avoiding roaming charges) to use a SIM-card from the country in which the system is installed.

The necessary parameters can also be found on-line e.g. by going to:

<http://www.access-company.com/support/accesspoint/index.html>

- *Data from the **e-mail provider** (e.g. GMX, WEB...)*
 4. SMTP-Server
 5. User-ID for SMTP
 6. Password for SMTP

Here you can use the parameters of your own e-mail server.

- *Recipient details*
 7. E-mail address (e.g. hans@gmx.net)
 8. "CC", second e-mail address ("copy to")

The e-mail addresses must not generate any automatic responses (out-of-office notification, etc.).

The second receiver line can be left blank. But note that any invalid entry in the second line will also prevent e-mails from being sent to the primary recipient!

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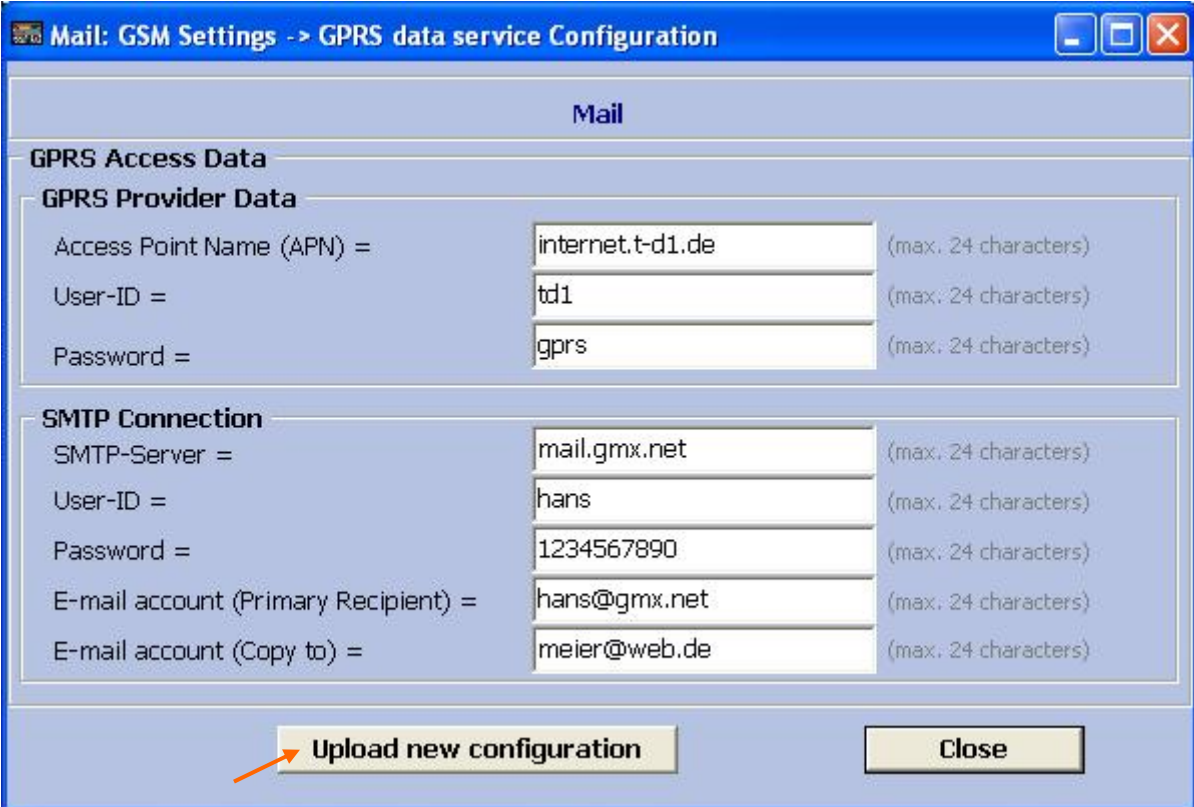
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Configuring the Data Logger

Connect via CALLaLOG with the Data Logger (from Version 1.6). Go to the “Settings” window and click on the “GSM/GPRS/SAT” button. First set the usual GSM-parameters (GSM activation, PIN, and at least one activation time). Click on the “Configure GPRS Data Service” button and then enter the connection data in the display.

Note: The maximum string length for all parameters is 24 characters.



By clicking on the “Upload new configuration” button, the new entries are transferred to the Logger and stored there. Every day at the first connection time an e-mail will now be sent to the primary recipient with the “Row” data included as an attachment.

To test the e-mail transmission, activate the GSM modem by pressing the “Select” button on the Data Logger until you are in the GSM menu, and then press the “Down” button. After some seconds (network found) press the “Down” button again, the display will first show “GPRS” and after some seconds will alternately display “GPRS ->” and the e-mail address.

If you want to **deactivate an e-mail function** again, simply delete the APN or e-mail-address.

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Settings by text message (SMS)

If your modem is already set up (connections times entered, etc.), then you can also transfer the settings data by text message (SMS). The current settings can be viewed by sending a text message with the contents "M?" to the mobile telephone number of the measurement station. The return message for our example would be:

```
#99
ap=internet.t-dl.de           (APN)
gu=td1                       (GPRS user-ID)
gp=gprs                      (GPRS password)
sa=mail.gmx.net              (SMTP address)
su=hans                      (SMTP user-ID)
sp=1234567890               (SMTP password)
mt=hans@gmx.net             (mail_to: recipient)
mc=meier*web.de             (mail_copy: 2. recipient)
```

By including additional entries in the "M?" text message, one or more parameters can be reset. The simplest way is to change the first line of the received text message "#99" to "M?" and edit the required changes.

Note: The @ symbol must be represented by * in the text message

```
M?
ap=internet.t-dl.de
gu=td1
gp=gprs
sa=mail.gmx.net
su=hans
sp=1234567890
mt=hans@gmx.net
mc=moritz*web.de
```

... and send the altered text message back to the logger. In the example, the second recipient has now been changed.

Trial mail

Every "M"-command can also be used to initiate a trial mail.

"M" or "m" represents "mail". All other entries should be in the lower case.

"M?" -> send only settings

"Mf" -> send all data (first)

"Ma" -> send data for current day

"Mn" -> send data which has NOT YET been sent (next)