iLOG-GSM: Verifying Network connection

1. Preparing the unit for operation

- Insert a proper SIM card without PIN identification in the SIM card drawer. If the PIN is activated, then deactivate it using your phone. The SIM card should have GSM data and GPRS services activated. It is recommended to deactivate other services (Voice call, Mail boxes, etc.) as they are not serviced by the iLOG device.

  Attention: Do not insert or remove the SIM card during device operation!
- Connect the iLOG- GSM device with the SCT-04 adaptor.

  Attention: The 25 pin D-plug to the iLOG unit is not hot pluggable! Plugging or unplugging this connector, during power up, can stress the sensitive analog circuits of the device and lead to permanent hardware failure!
- Connect the power supply to the SCT-04 adaptor. Use a power with a minimum of 0.5A output. The recommended supply is a simple, not stabilized 12V-15V/0.5A power supply unit, without current limitation.

  Attention: If you use a power supply with current limitation, then adjust the current limit to a value over 2A!

2. Power on & GSM network connection verification

If you power on the unit for the first time consider the following:

iLOG-GSM starts with the communications section in power off state. The parameter 'Internet connect' (Setup/Communications/Internet connect) has the state 'Off'. The GSM-modem status LED is turned off after start up.

In order to verify proper communications operation, follow the next procedure:

1. Press "**Main**" to enter the device control menu.
2. Enter the password "2466" and hit "OK". **The GSM-modem status LED turns on**. This means that the communications section of the device is powered on.
3. Goto to the menu selection '**Test comms**' and hit "OK". Now, select the item '**General**' from the submenu and press 'OK'. Select the item '**Technical**' from the next submenu and press 'OK' again.
4. Select '**Function 9**' from the 'Technical' submenu and press 'OK'.
5. Now wait until the GSM-modem status LED is blinking slowly. This means that the GSM modem has found your GSM Operator and is connected to the GSM network.
6. Press 'OK' to start the 'Function 9' diagnose procedure. After a few seconds you get one of the following **responses**:

   '**OK**'. Which means that the communications section and the GSM-modem connection status were tested and found OK.

   Or '**Modem Error**': A reason for connection failure precedes the final response, as 'PIN present', 'SIM card not present', 'SIM card failure', etc.

If the GSM-modem status LED was not blinking during launching the 'Function 9' and no other error is found, then the test procedure responds with '**Out of Network**' and starts a 10 sec time out, waiting for the GSM modem to establish connection. The diagnose procedure is repeated after the time out and you get the final response.