

iLOGPlus Transporter

Configuration utility for iLOGPlus RTU/data loggers

Installation & Setup user guide



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Windows 98, NT, 2000, XP, Vista

User Guide

Version 1.0, 4/2008

Product versions: Hardware: 4.1, Firmware: 4.1

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1. Introduction

iLOGPlus Transporter is a powerful utility for commissioning the iLOGPlus RTU/datalogger units using a PC. The application supports:

- Reading of the current device configuration.
- Uploading a user configured parameter file to the iLOGPlus device.
- Downloading the FIFO data in a PC file.
- Archiving configurations in a data base file and reporting.

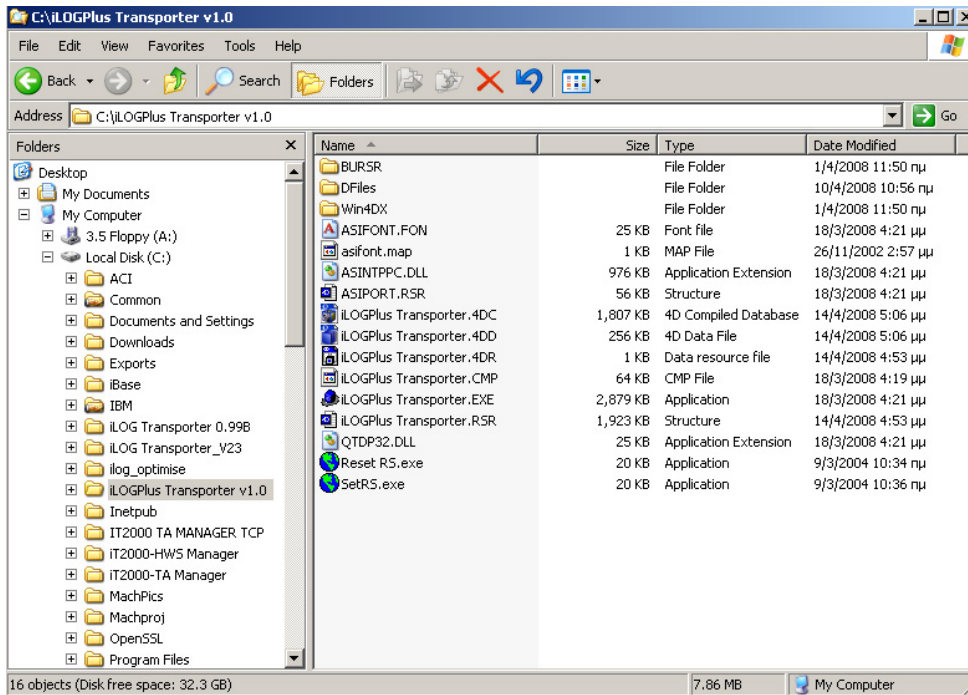
This manual is intended to provide information regarding installation and setup of the software.

For information regarding features and functions, you may consult the help balloons in the application.

For information regarding settings and device configuration please consult the iLOGPlus device manual.

2. Installation & Setup

2.1 Installation



Run the iLOGPlus Transporter setup.exe file.

The installation will create a new program group and desktop shortcut.

Note: If your PC's regional settings use “,” and “.” opposite to the typical english regional settings then you need to switch them in order for iLOGPlus Transporter to function properly.

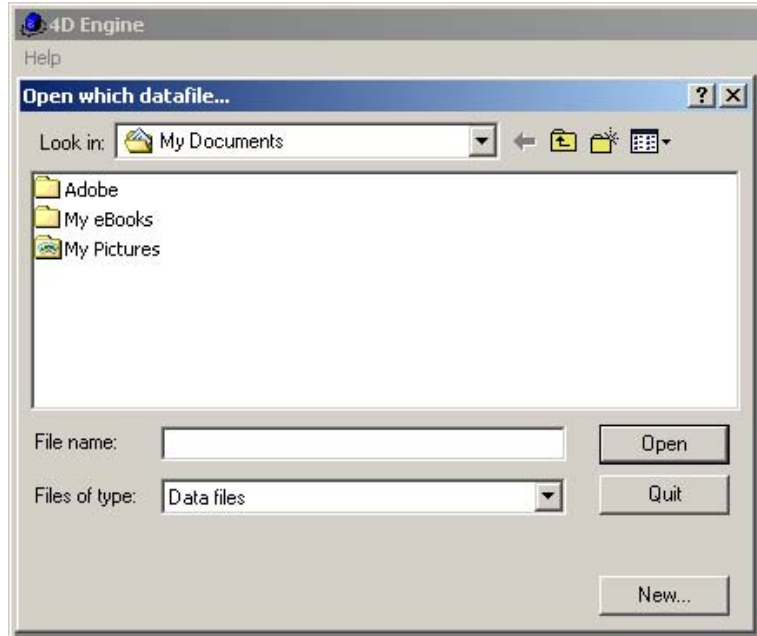
To aid you, in the installation folder there two files SetRS.exe and ResetRS.exe.

The first sets them as English while the second resets them back to your default selection.

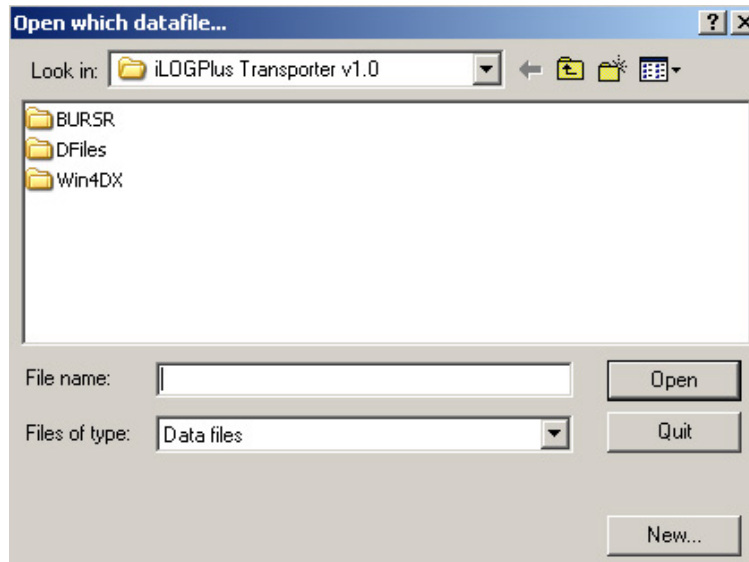
2.2 Setup

2.2.1 Creating a new data file

The iLOGPlus Transporter application stores data in a database file named “iLOGPlus Transporter.4dd”. The application installs per default with a blank data. If a new data file is required, the user can delete it and create a new one as shown below.



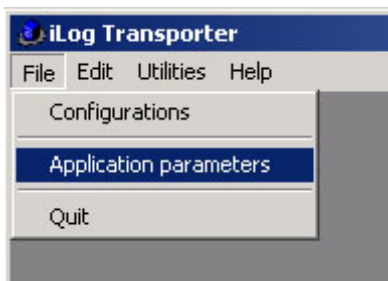
The data file selection form appears after launching the iLOGPlus Transporter application for the first time. Browse and open the ‘**iLOGPlus Transporter**’ folder.



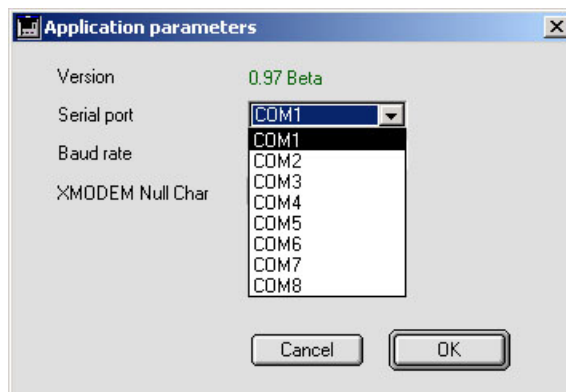
Click on the ‘**New**’ button to create a new database file. Save the data file with default naming by pressing the ‘**Save**’ button.

The application screen appears after a few seconds.

2.2.2 Selecting the serial port



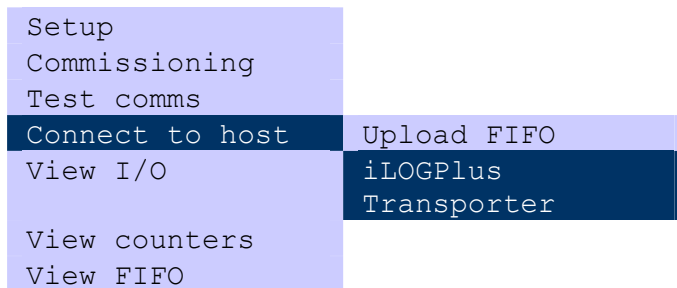
Connect the auxilliary port of the iLOGPlus unit (SCT-04) to a PC serial port. Select and open the '**Application parameters**' menu item.



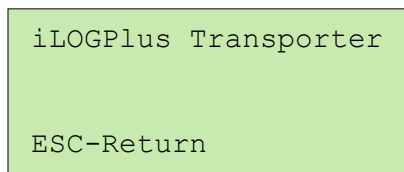
Select and set the active serial port from the respective scroll bar. Leave the other settings unchanged. Click on the '**OK**' button to save the port setting.

3. Exchanging parameters

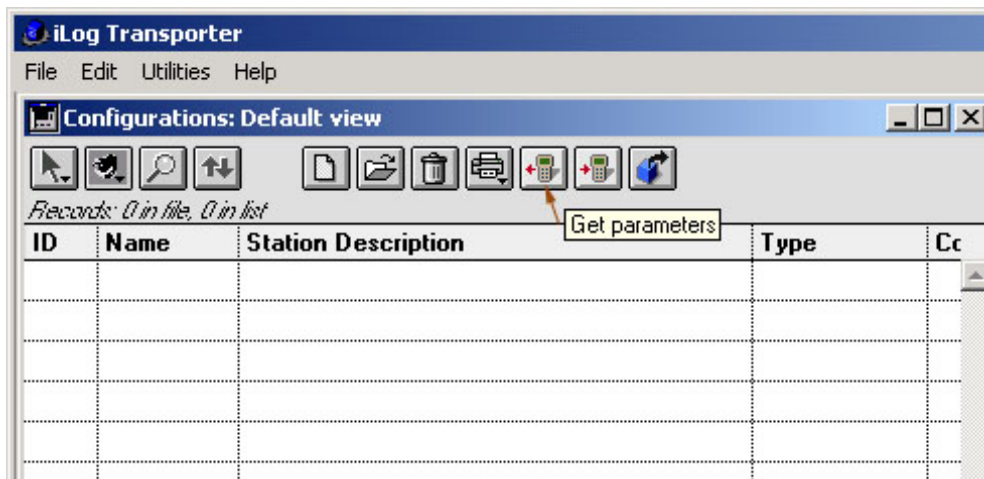
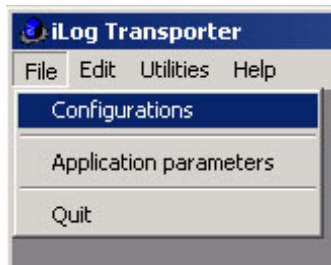
3.1 Getting the current device parameters



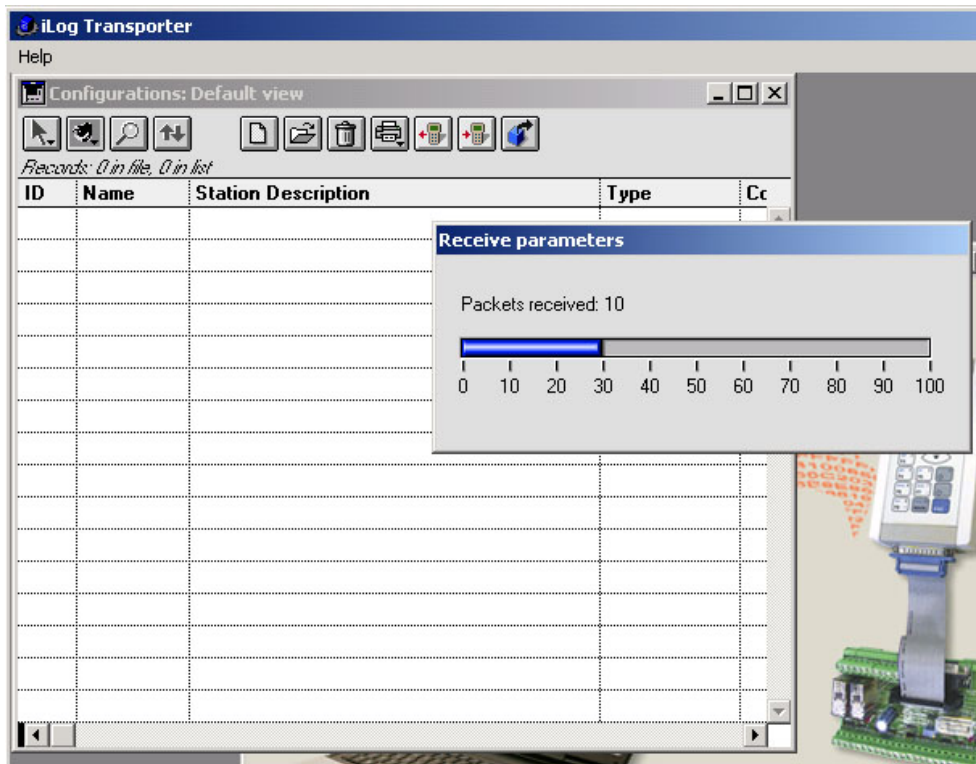
Enter the iLOGPlus menus and select the 'iLOGPlus Transporter' option, having the iLOGPlus unit connected to the active serial port.



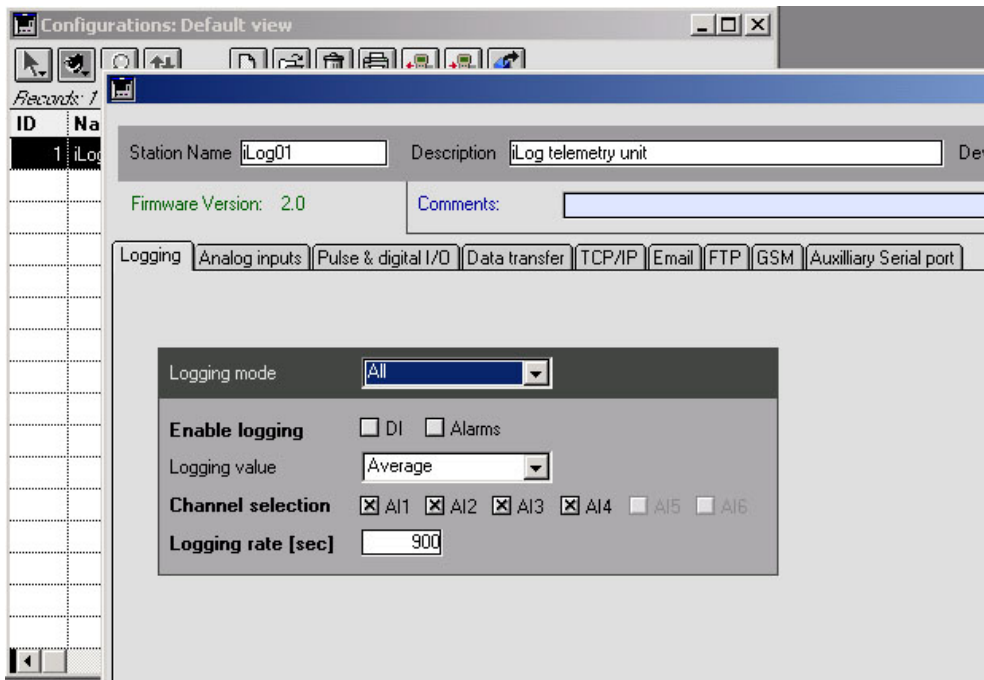
Open the iLOGPlus Transporter utility and select the 'Configurations' menu:



Click on the 'Get parameters' button to start with downloading the current unit parameters.



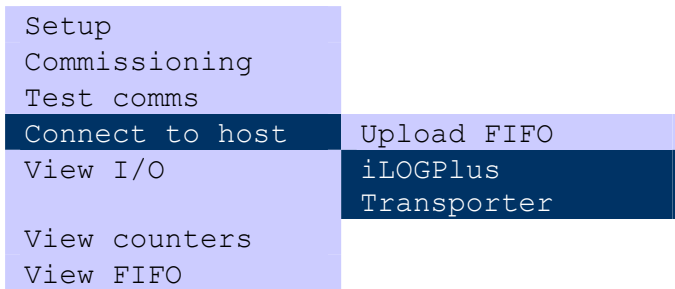
After a few seconds, a bar appears showing the progress of the packet transfer. A form with the current unit configuration opens after the transfer completion.



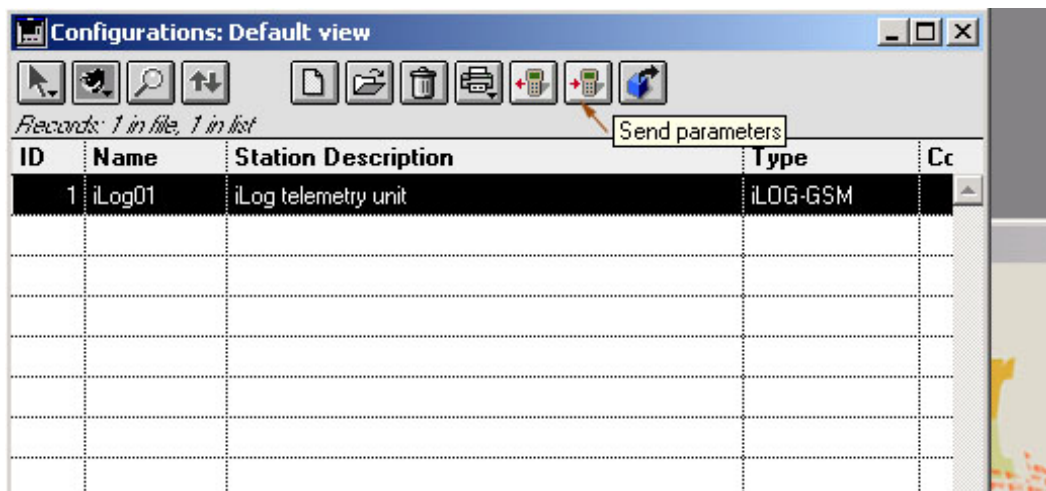
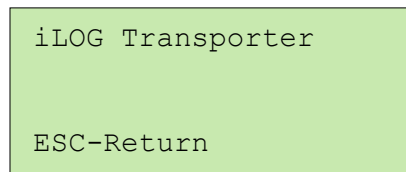
The form contains the actual device parameters. All fields on the configuration form relate to device parameter settings, except the **'Comments field'**, which is available to enter your comments for the selected configuration record.

Browse the parameter settings by clicking on the respective form tabs. Press the **'OK'** button to close the form. The parameter set appears as an archived record in the configurations data base table.

3.2 Sending a configuration to the unit

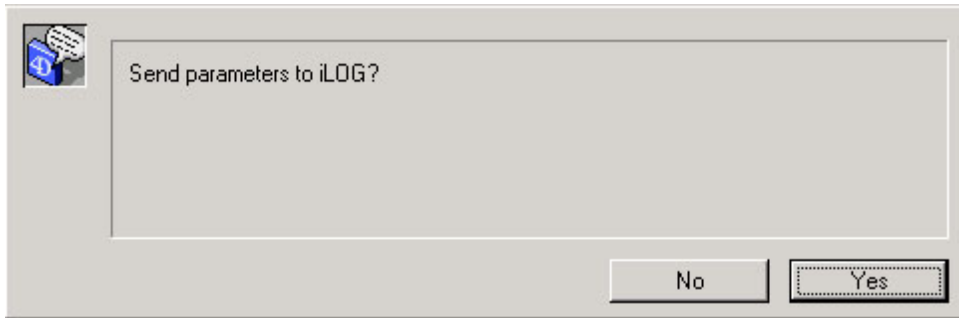


Reenter the **'iLOGPlus Transporter'** option:



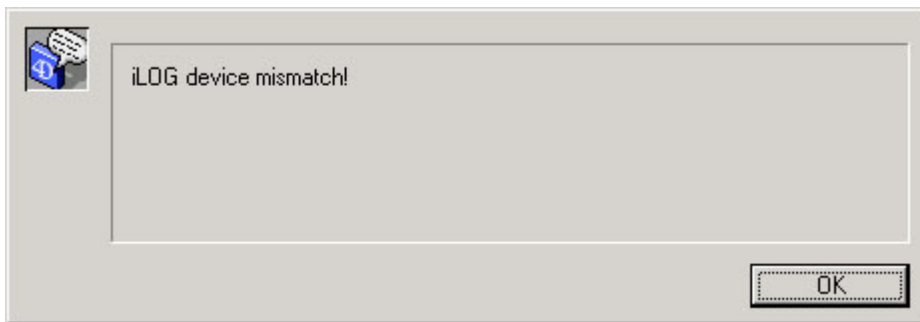
Select a configuration record by clicking on the respective table row. Click on the **'Send parameters'** button to start with uploading the configuration to the iLOGPlus unit.

A confirmation dialog appears:

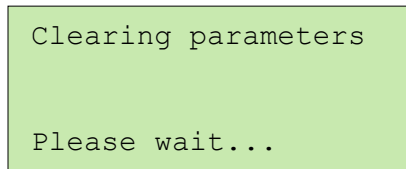


Click on the **'Yes'** button to continue.

The record type you have selected must correspond to the attached device type (LAN, EDM, GSM). Otherwise you get an alert message and the transfer is aborted.

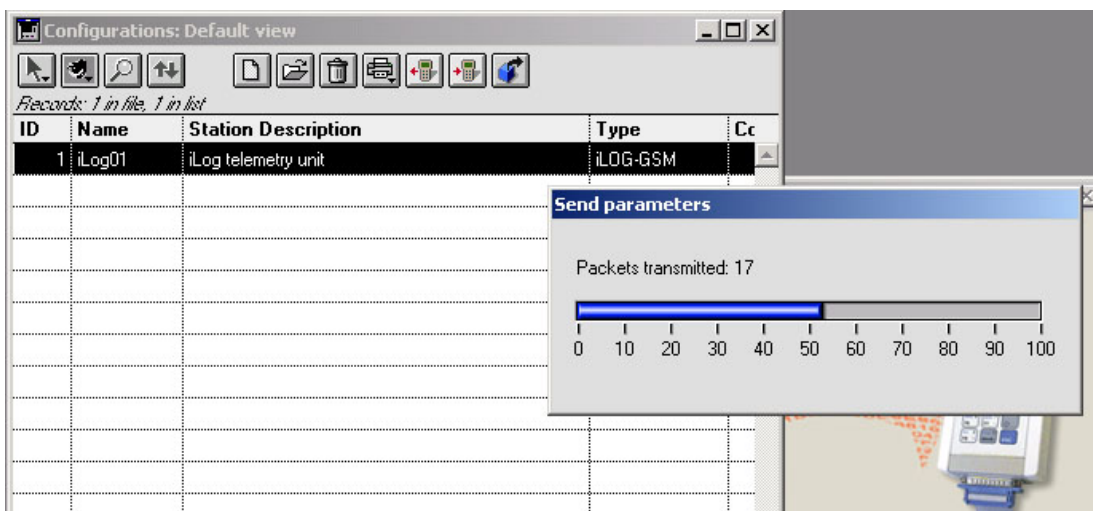


The iLOGPlus screen displays the following message:



In the case of a mismatch, wait until the iLOGPlus unit time outs or reset the unit.

If no type mismatch exists, a bar appears on the PC screen, showing the progress of the packet transfer.



After transfer completion, the iLOGPlus unit starts with parameter saving on EEPROM, then reloading and then formatting the FIFO:

```
Saving parameters
0760/2048

Please wait...
```

```
Reloading parameters

Please wait...
```

```
Format FIFO
319 KB

Please wait...
```

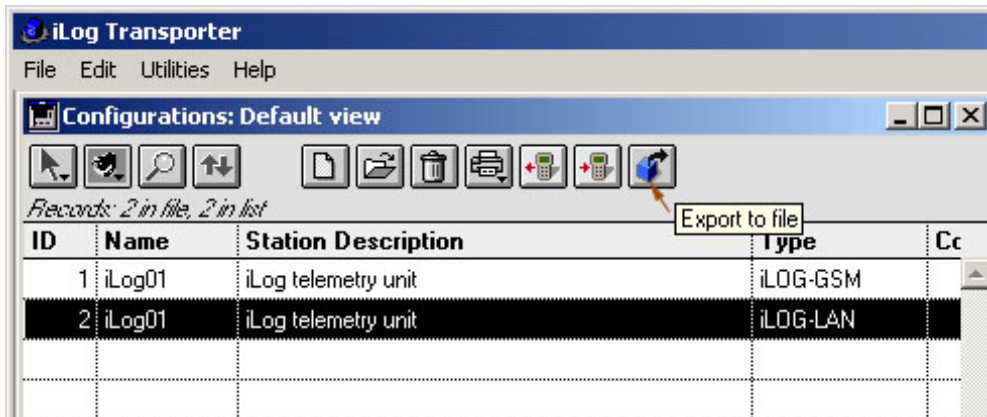
```
Parameters Set OK

Press any key...
```

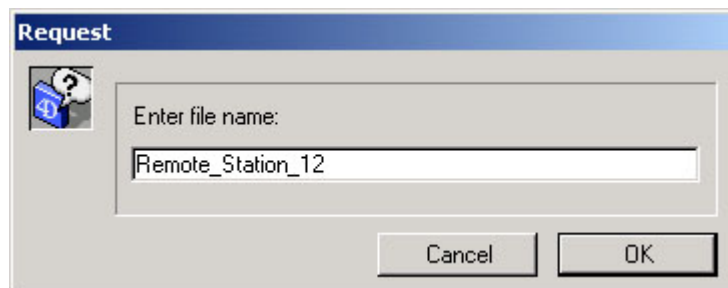
The uploading procedure is completed.

Attention: If a the parameter uploading procedure is interrupted, the device parameters are undefined. **You have to initialize the device by executing the factory settings procedure!**

3.3 Exporting a configuration to a file

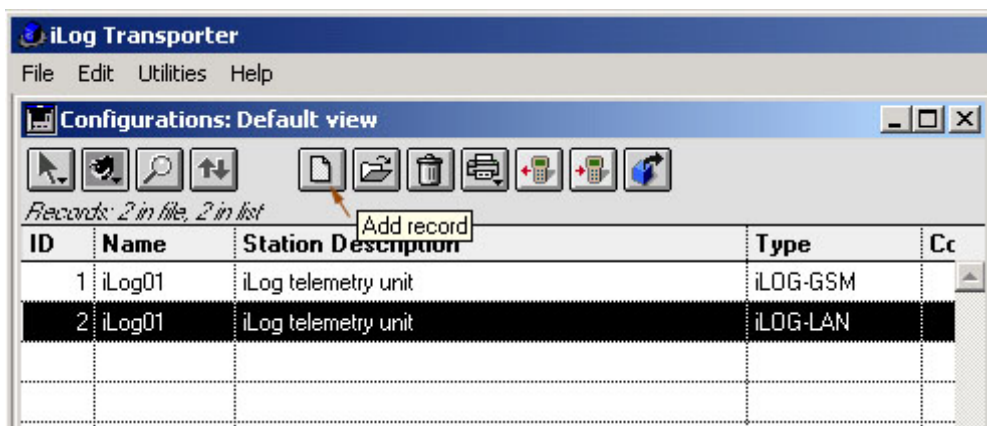


Select a configuration record by clicking on the respective table row. Click on the 'Export to file' button to store the parameter set in an ASCII file. The file extensions are '.LAN', '.EDM', '.GSM' and are set automatically by the exporter. You have to specify only the file name:

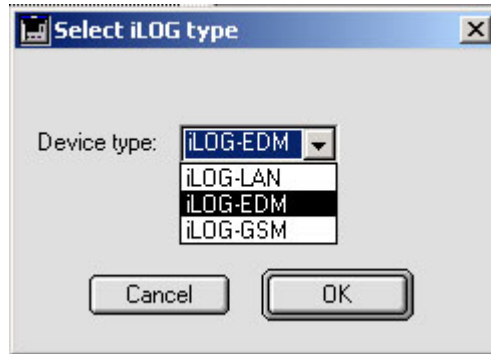


The file is saved in the iLOGPlus Transporter directory.

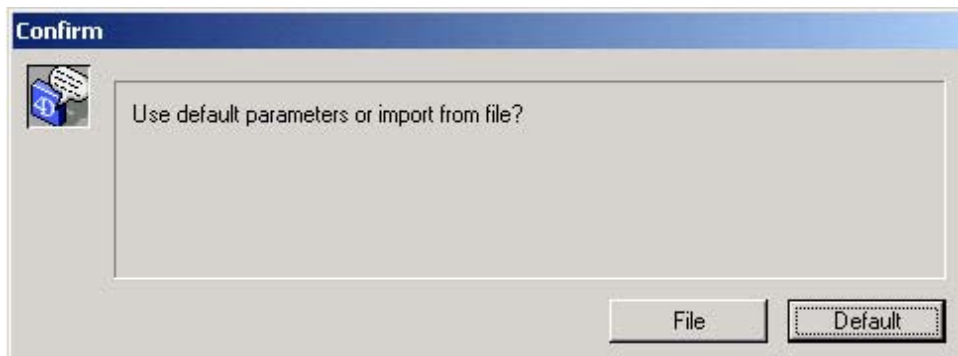
3.4 Creating a new configuration record



Click on the **'Add record'** button for creating a new configuration record. A pop up dialog box appears:

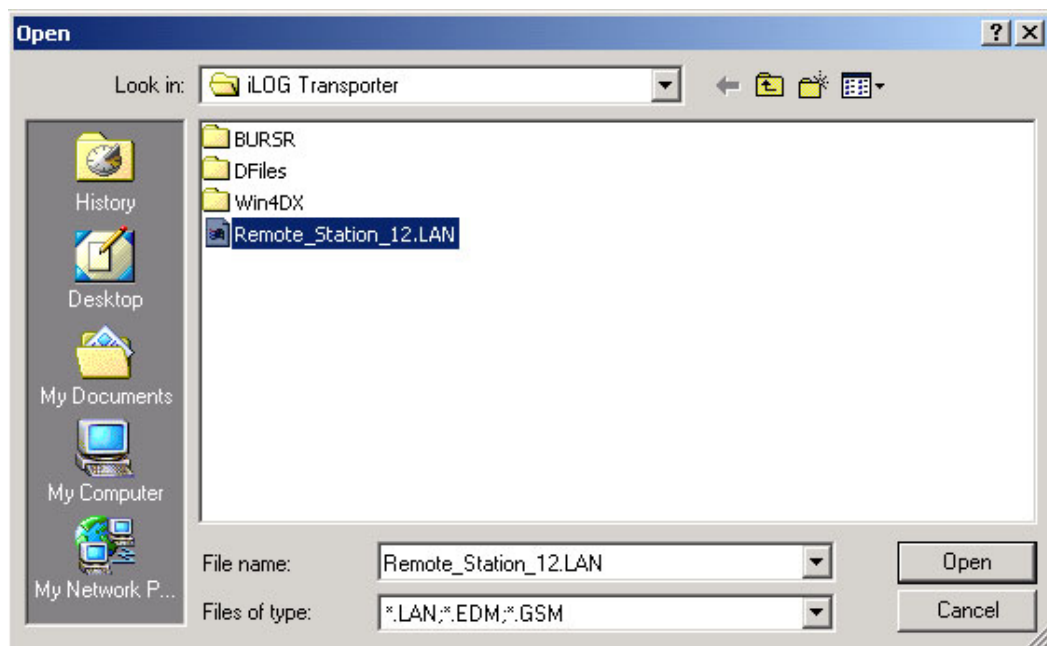


Select the device type for the respective record and press **'OK'**. A confirmation dialog appears:



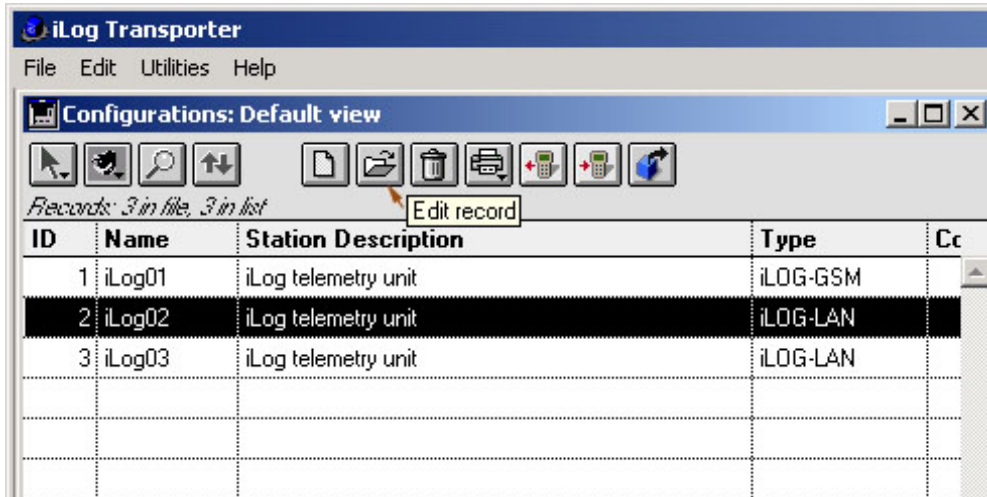
Click on the **'Default'** button to create a new configuration record with the default settings for the respective device type (Factory settings).

Click on the **'File'** button create a new configuration record populated with the parameter settings contained in a previously exported file:



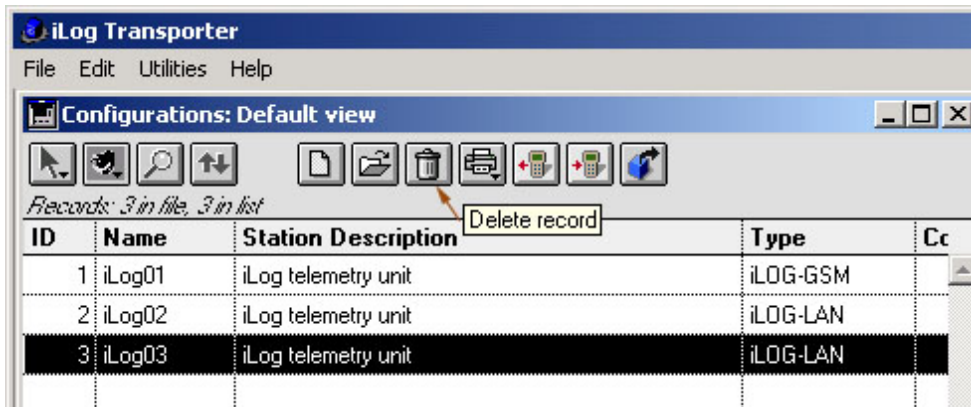
Only files with the default export file extensions (‘.LAN’, ‘EDM’, ‘.GSM’) are accepted. Select a file and click ‘Open’ to complete the new record creation. The configuration editing form is opened automatically.

3.5 Editing a configuration record



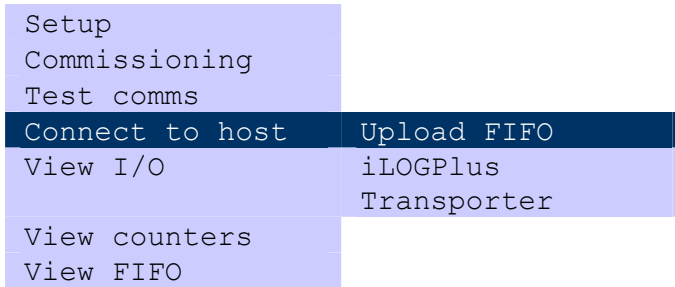
Select a configuration record by clicking on the respective table row. Click on the ‘Edit record’ button or double click the table row to open the editing form.

3.6 Deleting a configuration record



Select a configuration record by clicking on the respective table row. Click on the ‘Delete record’ button. The record is removed it from the table after your confirmation.

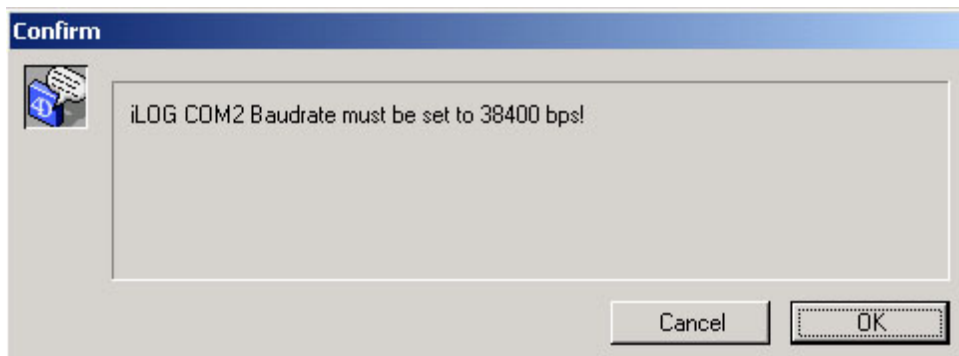
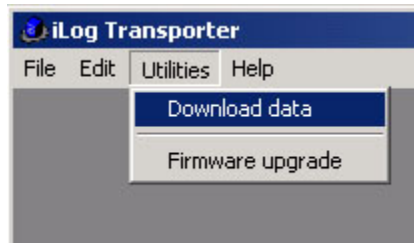
4. Downloading the FIFO records



Enter the iLOGPlus menus and select the '**Upload FIFO**' option, having the iLOGPlus unit connected to the active serial port.

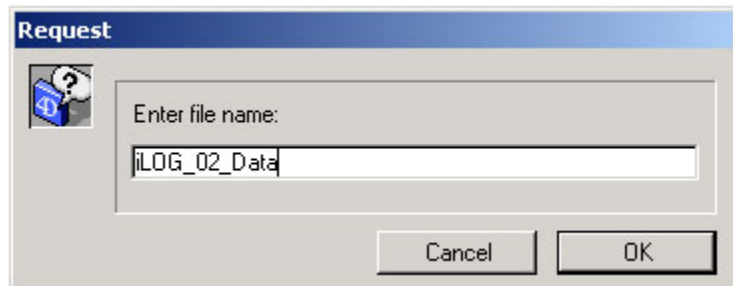
```
Waiting for receiver  
Init TimeOuts..  
Retries: 001
```

Open the iLOGPlus Transporter utility and select the '**Download data**' menu item:

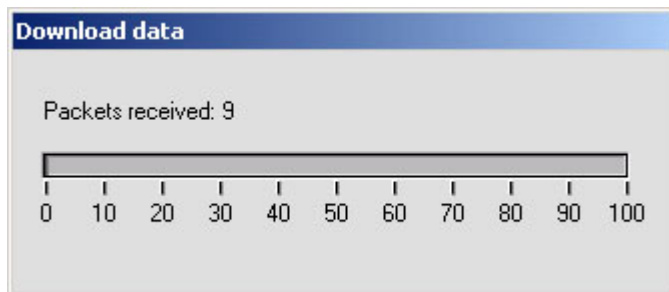


38400 bps is the default setting for COM2 on an iLOGPlus device. Press 'Cancel' and set the baudrate to this value if you have changed it (Setup > Communication > Serial port > Baud rate = 38400).

Press 'OK' to continue:



You get a prompt for entering a filename. The file will be saved with the **.xls** extension.



After a few seconds, a bar appears showing the progress of the packet transfer. Wait until the transfer is completed. The file is saved in the iLOGPlus Transporter directory.

5. Upgrading the device firmware

Read carefully the whole section and then go through the following steps:

1. Device preparation

Provide a secure power supply to the iLOGPlus unit and connect the serial port COM2 to the active PC port.

2. File preparation

Locate the firmware upgrade file, unzip it and put the unzipped file (.A28) in a location you can easily find by browsing. The file must correspond to the device type you want to upgrade.

3. Select the upgrade option on the iLOGPlus device

Firmware versions <2.0 do not support iLOGPlus Transporter. Select the '**Firmware upgrade**' option from the iLOGPlus menus.

Setup	
Commissioning	Set RTC
Test comms	Start web server
Connect to host	Clear FIFO
View I/O	Clear event log
View counters	Clear counter
View FIFO	Counter preset
	Factory settings
	Firmware upgrade

```
Firmware Upgrade
OK-Confirm ESC-Back
```

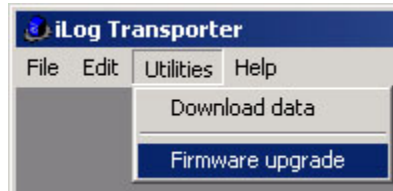
Click '**OK**' to confirm. The device will boot up and remain at the Loader screen, waiting for data.

If your actual device firmware is ≥ 2.0 , just enter the '**iLOGPlus Transporter**' option on the iLOGPlus device menu.

```
iLOGPlus Transporter
ESC-Return
```

4. Select the Firmware upgrade option on the iLOGPlus Transporter

Open the iLOGPlus Transporter utility and select the 'Firmware upgrade' menu option:

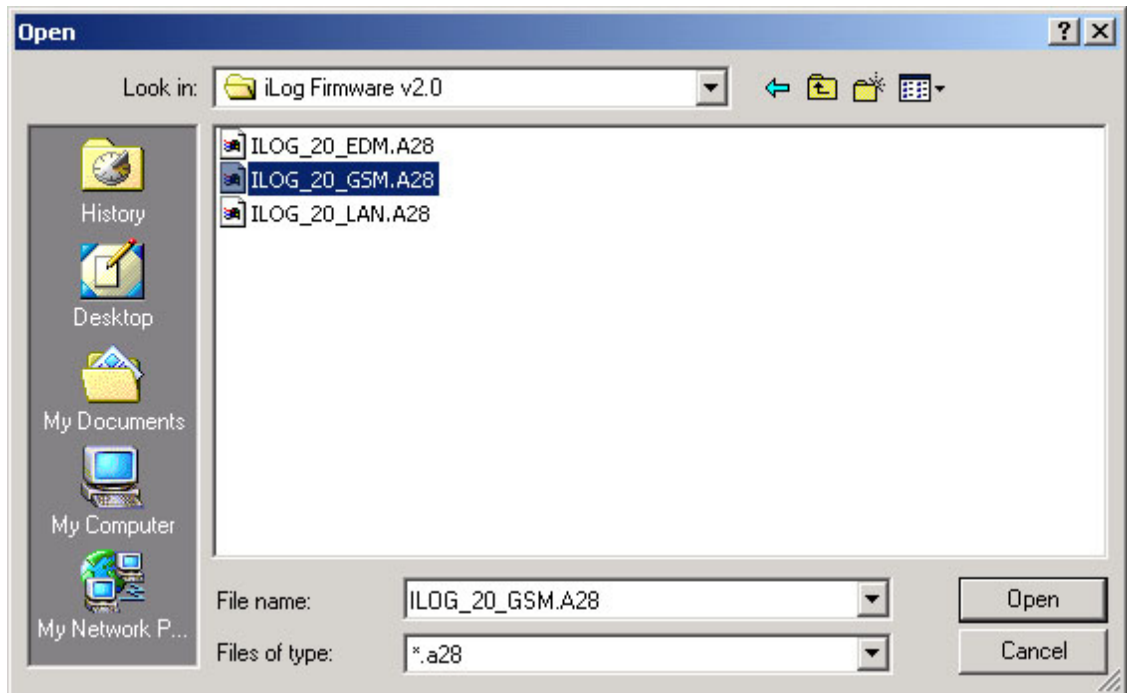


A confirmation pop up dialog appears:

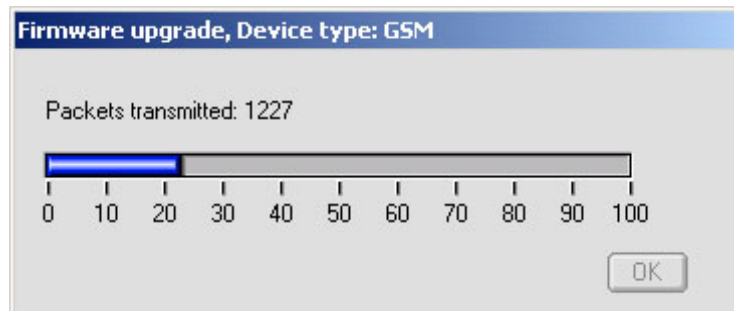


If the iLOGPlus device waiting screen is the Transporter option then leave the radio button on its default position. If the waiting screen is the Firmware Loader screen, click on the 'Loader' button and select the respective position.

Click 'OK' to proceed and select the Firmware upgrade file:



Select the proper upgrade file (.A28) and click **'Open'**.
After a few seconds, a bar appears showing the progress of the upgrade procedure.
Wait until the transfer is completed.



The iLOGPlus device will restart after the firmware upgrade completion. Press **'OK'** to close the progress bar window.

6. Appendix

6.1 Backup & Repair

iLOGPlus Transporter is a database application. No special compact & repair tools have been included with the application.

It is wise to backup the application's data file from time to time. The data file is named "iLOGPlus Transporter.4dd" and can be found in the installation folder.

Simple copy and paste file management commands can be used to backup this file.

In case the iLOGPlus Transporter application gets corrupt and does not open a manual repair is needed.

The file named "iLOGPlus Transporter.rsr" must be replaced with the same file's backup which found in the folder "BURSR" in the main application's installation folder eg. "C:\iLOGPlus Transporter\BURSR\"

If this procedure does not repair the database then the application is beyond repair and needs to be reinstalled.

If a recent back up of the data file was kept it can be copied in to the new installation's folder in order to have the latest configuration data.