# **iLOGPlus** Transporter

Configuration utility for iLOGPlus RTU/data loggers

## Installation & Setup user guide





### iLOGPlus Transporter

Configuration utility for iLOGPlus RTU/data loggers 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 configurated 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

🎥 C:∖iLOGPlus Transporter v1.0				
File Edit View Favorites Tools Help				
🚱 Back 🔹 🕥 🖌 🏂 🔎 Search 🧗	🄁 Folders 🕼 🎲 🗙 🍤	)		
Address 🛅 C:\iLOGPlus Transporter v1.0				💌 ラ Go
Folders ×	Name 🔺	Size	Туре	Date Modified
Desktop      My Documents			File Folder File Folder	1/4/2008 11:50 пµ 1/4/2008 10:56 пµ 1/4/2008 11:50 пµ
	ASIFONT.FON	25 KB	Font file	18/3/2008 4:21 μμ 26/11/2002 2:57 μμ
E Scal Disk (C:)  Carl Common	ASINTPPC.DLL	976 KB 56 KB	Application Extension Structure	18/3/2008 4:21 µµ 18/3/2008 4:21 µµ
<ul> <li></li></ul>	iLOGPlus Transporter.4DC	1,807 KB 256 KB	4D Compiled Database 4D Data File	14/4/2008 5:06 μμ 14/4/2008 5:06 μμ
<ul> <li></li></ul>	iLOGPlus Transporter.4DR	1 KB 64 KB	Data resource file CMP File	14/4/2008 4:53 μμ 18/3/2008 4:19 μμ
	ILOGPlus Transporter.EXE     ILOGPlus Transporter.RSR     OTDP32 DU	2,879 KB 1,923 KB 25 KB	Application Structure	18/3/2008 4:21 μμ 14/4/2008 4:53 μμ 18/3/2008 4:21 μμ
⊞	Reset RS.exe	20 KB 20 KB 20 KB	Application Application	9/3/2004 10:34 пµ 9/3/2004 10:36 пµ
COGPUS Transporter VI.0      Dinetpub      Dinetpub				-1-1
<ul> <li></li></ul>				
<ul> <li></li></ul>				
16 objects (Disk free space: 32.3 GB)			7.86 MB	My Computer

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.

🙆 4D Engine		
Help		
Open which d	atafile	? ×
Look in: 📉	My Documents	 * 💷 *
Adobe		
My eBooks		
My Picture	s	
File name:		Open
Files of tupe:	Data files	 Quit
r nos or type.	[Data nies	
		New

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

Open which d	atafile		? ×
Look in: 🔀	iLOGPlus Transporter v1.0	- + 1	-111 *
BURSR			
DFiles			
Win4DX			
File name:			Open
Files of type:	Data files	•	Quit
			New

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.

Version	0.97 Beta	
Serial port	COM1	
Baud rate	COM1	
XMODEM Null Char	COM3	
	COM5	
	COM6 COM7	
	COM8	

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

Setup	
Commissioning	
Test comms	
Connect to host	Upload FIFO
View I/O	iLOGPlus
	Transporter
View counters	
VION ETEO	

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

iLOGPlus	Transporter
ESC-Retui	n

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



🕹 i Lo	og Transport	er		
File	Edit Utilities	Help		
Ē	onfiguration	s: Default view		_ U ×
Reco	vds: 0 in file, 0			
ID	Name	Station Description	Туре	Cc
				<u> </u>



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

🕹 i Lo	og Transpor	ter					
Help							
L C	onfiguratio	ns: Default view			_ [] >	≤I	
Recu	vds: 0 in file, U		•₽ •₽ 🞸				
ID	Name	Station Description		Туре	Cc		
			Receive parame	ters			
			 Packets received	± 10			ľ
			0 10 20	1 I 30 40	I I 50 60	1 I 70 80	90 100
						8100 at	
						i and	August and
				-			-
							dan .
						- 500 8 H	
					•	- 1	

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.

🔛 Configu	rations: Default view
Records: 1	
ID Na 1 iLog	Station Name iLog01 Description iLog telemetry unit Devi
	Firmware Version: 2.0 Comments:
	Logging Analog inputs Pulse & digital I/O Data transfer TCP/IP Email FTP GSM Auxiliary Serial port
	Logging mode
	Enable logging DI Alarms
	Logging value Average
	Channel selection X Al1 X Al2 X Al3 X Al4 Al5 Al6
	Logging rate [sec] 900



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

Setup	
Commissioning	
Test comms	
_Connect to host	Upload FIFO
View I/O	iLOGPlus
	Transporter
View counters	
View FIFO	

Reenter the 'iLOGPlus Transporter' option:



🚊 Co	onfiguratio	ns: Default view		
N.				
Reca	rds: 1 in file, .	1 in list	Send parameters	
ID	Name	Station Description	Туре	Cc
	1 iLog01	iLog telemetry unit	iLOG-GSM	-

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:



Send parameters to iLOG?
No

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.

iLOG device mismatch!
OK]

The iLOGPlus screen displays the following message:

Clearing	parameters
Please wa	ait

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.

E C Reco	onfiguration	ns: Default view	••••				×						
ID	Name	Station Description		Туре		1	Cc						
	1 iLog01	iLog telemetry unit		iLOG-0	GSM		*						
			Sen	d para	mete	rs							
			P	ackets	transm	iitted: `	17						
				ı 10	1 20	ו 30	۱ 40	ו 50	1 60	1 70	і 80	1 90	100
											-		μ



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



The uploading procedure is completed.

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



## 3.3 Exporting a configuration to a file

🕹 i L	.og	Transporte			
File	Ec	lit Utilities I	Help		
	Сог	figurations:	Default view		- O ×
R.		2 P t+	D <i>2</i> 18		
Rec	m	s: 2 in file, 2 in	list Export	to file	
ID		Name	Station Description	Туре	Cc
	1	iLog01	iLog telemetry unit	ilog-gsm	<u> </u>
	2	iLog01	iLog telemetry unit	ilog-lan	

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:

Request		
	Enter file name: Remote_Station_12	
	1	Cancel OK

The file is saved in the iLOGPlus Transporter directory.

### **3.4 Creating a new configuration record**

🕹 i l	og Transpo	rter		
File	Edit Utilitie	s Help		
	Configuratio	ns: Default view		_ 🗆 ×
A,		赨	]	
ID	Name	Add record Station Description	Туре	Cc
	1 iLog01	iLog telemetry unit	iLOG-GSM	-
	2 iLog01	iLog telemetry unit	ilog-lan	
	:		:	
I				



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

Select iLOG type	×
Device type: ILOG-EDM - iLOG-LAN ILOG-EDM iLOG-GSM	
Cancel OK	

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

Confirm		
	Use default parameters or import from file?	
		File

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:

Open						<u>? ×</u>
Look in:	🔁 iLOG Transp	orter	•	+ 🗈 💣	•	
History Desktop	DFiles	on_12.LAN				
My Documents						
My Network P	File name: Files of type:	Remote_Station_12.LAN *.LAN;*.EDM;*.GSM		• •		Open Cancel



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

🤳 iLog	Transporte			
File E	dit Utilities I	Help		
🚊 Co	nfigurations:	Default view	_	
Recon	🧶 🔎 科 ts: 3 in file, 3 in			
ID	Name	Station Description	Туре	Cc
1	iLog01	iLog telemetry unit	iLOG-GSM	-
2	iLog02	iLog telemetry unit	ilog-lan	
3	iLog03	iLog telemetry unit	ilog-lan	
			•	

Select a configuration record by clicking on the respective table row. Click on the **'Edit record'** button or <u>double click the table row</u> to open the editing form.

### **3.6 Deleting a configuration record**

👶 i Lo	og Transpor	ter		
File I	Edit Utilities	; Help		
🛄 Co	onfiguratio	ns: Default view	_	
A.		₦₽₽₽₽₽₽₽₽		
2	1 0 . /2			
heco	nas <i>s in me</i> , s	Sin list		
Haco ID	Name	Station Description	Туре	Cc
ID	Name 1 iLog01	Station Description Delete record iLog telemetry unit	Type ilog-gsm	Cc 
ID 1	Name Name 1 iLog01 2 iLog02	Station Description Delete record iLog telemetry unit iLog telemetry unit	Type ilog-gsm ilog-lan	Cc
ID	Name Name 1 iLog01 2 iLog02 3 iLog03	Station Description Delete record iLog telemetry unit iLog telemetry unit iLog telemetry unit	Type ilog-gsm ilog-lan ilog-lan	Cc

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

Setup	
Commissioning	
Test comms	
_Connect to host _	_Upload FIFO
View I/O	iLOGPlus
	Transporter
View counters	
VIOW FIFO	

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:



Confirm	
	iLOG COM2 Baudrate must be set to 38400 bps!
5	Cancel



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:

Request			
	Enter file name:  iLOG_02_Data		0
		Cancel OK	]

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

Dowr	Download data									
Pa	ckets i	receiv	ed: 9							
ī	1	1	L.	1 I	1	1	1	1	1	1
0	10	20	30	40	50	60	70	80	90	100

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 upgade



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 menus.





### 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:

📕 Firmware up	grade X
	You have selected the Firmware Upgrade option! Please pay attention to the following:
	<ol> <li>Be sure to provide secure power supply to the iLOG unit.</li> <li>Locate the proper Firmware Code File for the iLOG device type.</li> <li>Unzip the Firmware Upgrade File and don't rename it!</li> </ol>
	Select the device waiting state:
	Transporter Menu
	Press 'OK' to select the Firmware File or 'Cancel' to exit!
	Cancel OK

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:



Open					?×
Look in:	🔁 iLog Firmware	v2.0	•	🗢 🗈 💣 🔳	-
Kistory	ILOG_20_EDM. ILOG_20_GSM. ILOG_20_LAN.	A28 A28 A28			
Desktop My Documents					
My Computer					
Mu Mahuadi D	File name:	ILOG_20_GSM.A28		▼	Open
My Network P	Files of type:	*.a28		•	Cancel

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.

Firmware upgrade, Device type: G5M										
Pa	ckets I	ransm	itted: 1	227						
1 0	і 10	20	і 30	1 40	і 50	і 60	1 70	1 80	1 90	100
										OK

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.

