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LoggerNet Basics

Getting Started

LoggerNet should be installed to the default Directory of your PC. To ensure continuity amongst teams, working Directories have been created. One exists for each region and work function.

They can be found in:

<H:\Hydrology Sites\General Site Information\LoggerNet Working Directory>

Run the appropriate batch file to start the session required.



The LoggerNet Client features include:

Setup	Defines how the connection to the logger is established and manages Data
Connect	Allows connection to the Logger, view and collection of Data
Program	Contains the program editors, Edlog for older CR10x type loggers, and CRBasic for the new generation CR800/1000 units
Device Config Utility	The device Configuration Utility can be run from inside or separate to the LoggerNet Client. This utility allows the setup of the Logger functions including loading OS's, defining pakbus addresses and setting up serial ports



Setup

The setup screen defines how the connection to the datalogger is established

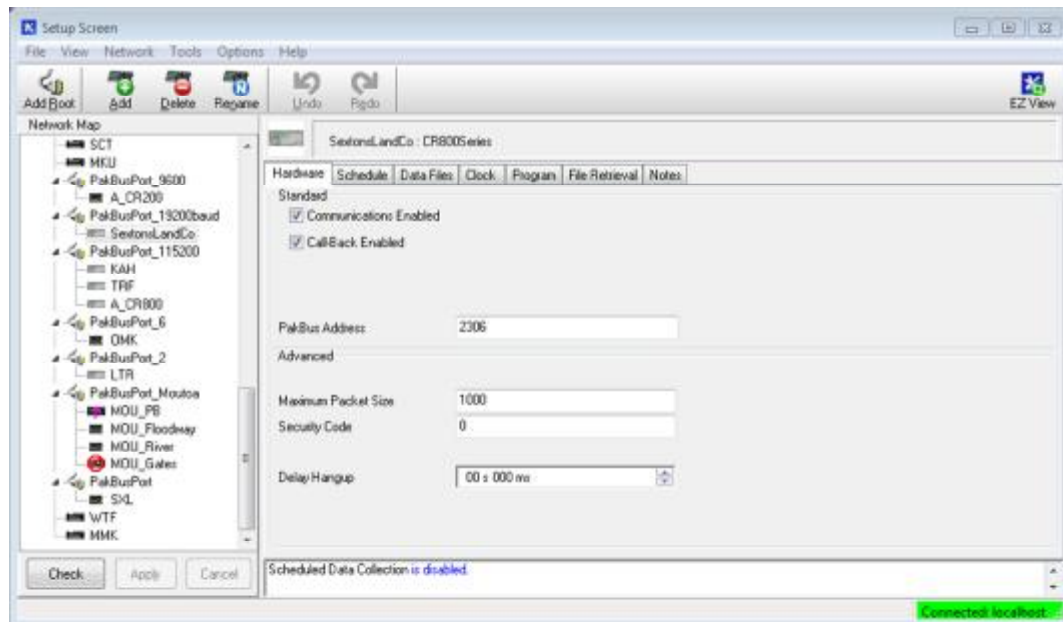
For field connections this is by a Serial connection and has been standardised as Com1.

From the com port dataloggers can be added. For CR10x loggers this is a direct connection but for CR10xPB and CR800/1000's a Pakbus Port must be added first.

One consideration when adding loggers is the baud rate for the connection. Also every pakbus device on a pakbus port must have a unique address.

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Once the site has been setup then you must connect to the site before the rest of the setup can be finalised. This is to create the association with the loggers Program.

After connection then the Data files tab will contain the list of stored tables for the site. These will be currently directed to save in the C:\Users\.. directory and need to be remapped to hydrology sites.

H:\Hydrology Sites\<Site Name>\Logger Downloads\XXX_<Table name>.dat

Included all tables and the Status table for collection; the Public can be left uncollected.

Connect

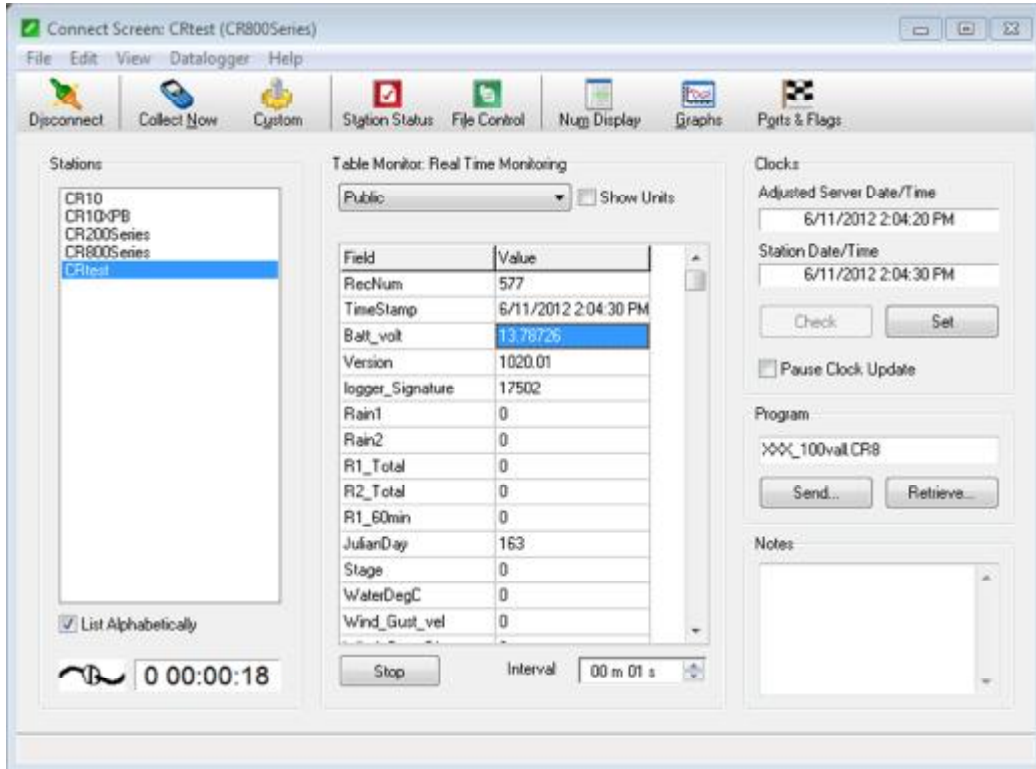
The Connect screen is where you can view the logger data, Numeric Display tabs are available for custom lists or the Table monitor can be used. Stored data can also be accessed in this manner with no public data now showing stored values. Collect Now and Custom are used for retrieving stored values and both should be directed in the Logger Downloads Directory of Hydrology Sites.

When Programs are updated the entire table history inside Logger Downloads should be archived into a separate folder labelled to the preceding logger version; this ensures that historic data can be easily found and translated.

The Station Status and File Control menus allow for datalogger management and investigation and provide information into how the logger is performing

The Ports and Flags menu allows for Flag control for program management.

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Connect Screen: CRtest (CR800Series)

File Edit View Datalogger Help

Disconnect Collect Now Custom Station Status File Control Nugg Display Graphs Ports & Flags

Stations

- CR10
- CR10-IPB
- CR200Series
- CR800Series
- CRtest**

☒ List Alphabetically

Table Monitor: Real Time Monitoring

Public ☐ Show Units

Field	Value
RecNum	577
TimeStamp	6/11/2012 2:04:30 PM
Batt_volt	13.78725
Version	1020.01
logger_Signature	17502
Rain1	0
Rain2	0
R1_Total	0
R2_Total	0
R1_60min	0
JulianDay	163
Stage	0
WaterDegC	0
Wind_Gust_vel	0

Stop Interval 00 m 01 s

Clocks

Adjusted Server Date/Time: 6/11/2012 2:04:20 PM

Station Date/Time: 6/11/2012 2:04:30 PM

Check Set

☐ Pause Clock Update

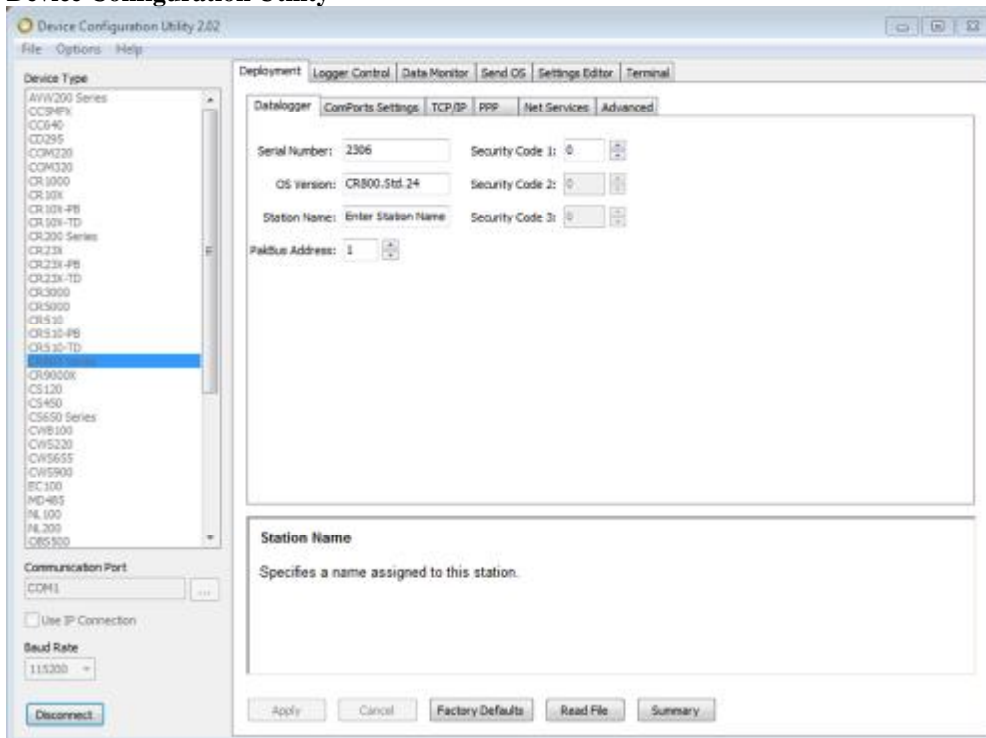
Program

XXX_100val.CR8

Send... Retrieve...

Notes

Device Configuration Utility



Device Configuration Utility 2.62

File Options Help

Device Type

- AVW200 Series
- CC3MFX
- CC640
- CC295
- CCM200
- CCM300
- CR1000
- CR100X
- CR100-IPB
- CR100-IPD
- CR200 Series
- CR200X
- CR200-IPB
- CR200-IPD
- CR3000
- CR5000
- CR500X
- CR500-IPB
- CR500-IPD
- CR9000X
- CS120
- CS450
- CS650 Series
- CWB100
- CW5200
- CW5655
- CW5900
- EC100
- MD465
- NL100
- NL200
- CR5000

Communication Port

COM1

☐ Use IP Connection

Baud Rate

115200

Disconnect

Deployment Logger Control Data Monitor Send OS Settings Editor Terminal

Datalogger ComPorts Settings TCP/IP PPP Net Services Advanced

Serial Number: 2506 Security Code 1: 0

OS Version: CR800-Std. 24 Security Code 2: 0



Station Name: Enter Station Name Security Code 3: 0

Palibus Address: 1

Station Name

Specifies a name assigned to this station.

Apply Cancel Factory Defaults Read File Summary

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This Utility allows for Logger setup, Programming and upgrade.
The Tabs list the available functions that can be performed

Deployment

First Set the Pakbus address to the required value
The ComPort Settings can be adjusted to reflect the nature of the install
For the Digital Radio's set the RS232 port to 9600 baud
For modems typically the CS I/O –ME port is used at 19.2K
Otherwise leave at 115.2K auto

Logger Control

This allows reports the current clock and loaded program, the clock can be set and new programs loaded from here.

Data monitor

This allows the tables to be viewed from the logger included stored data and Public variables

Send OS

The Operating system of the logger can be upgraded from here, follow the instructions on screen.

Settings Editor

More of a summary page than required for logger management

Terminal

This can be used as a terminal Emulator to talk into the logger and especially useful for connection to SDI-12 sensors.
<enter> to access the terminal, will respond with CR800> when the session is connected
Type SDI12 and the logger will respond with "Enter Cx Port 1 or 3
Enter the port required and you will have SDI-12 control