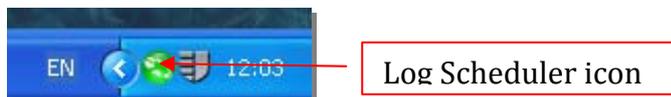## Seanet Log Scheduler

Introduction

The Seanet Log Scheduler is an optional tool that can be installed on the Seanet SCU or PC running the Tritech 'Seanet Pro' software. This tool will provide a method to log short bursts of data at periodic intervals over a set time period. This time period can be scheduled to begin at some time in the future. There are options to log on certain days of the week and at preset times. Alternatively, a schedule can manually be started immediately and can also be set to start on startup of the SCU / PC.

Operation

Once the Seanet Log Scheduler is installed on the SCU / PC, its program icon is located in the Windows Tray at the bottom-right of the desktop…

Log Scheduler icon

The Seanet Log Scheduler is a program that sends 'Log' commands to the main "Seanet Pro" software (installed on same SCU / PC) to Start and Stop log file recording. The Scheduled Task can be configured to start and stop data logging at preset intervals. The Task includes settings such as Log Start and Log Stop times, Logging Intervals and Durations. A Task can be configured to log many short files at periodic intervals. These short files can then be stitched into one solitary Log file using the 'Stitch Logs' Tool from the main menu.

N.B. The Log Scheduler requires the "Seanet Pro" software to be opened before it will start to send the Log commands.

The layout and operation of the Log Scheduler program is as follows…

(This page is opened by double-clicking on the Log Scheduler icon)

Description of Controls

There are a number of controls that can be configured for Immediate and Scheduled tasks. These will provide flexibility in setting a Task to log at intervals to suit specific job operations.
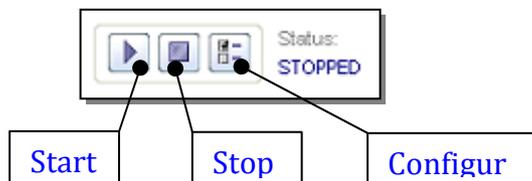A concise description of these controls now follows…

1. **Immediate Log / Scheduled Log**

   Select either an 'Immediate' or a 'Scheduled' Log Task.

   Immediate: The logging period will start whenever this Task is Started via the 'Start' button. A Task Duration and Log Interval must be pre-configured.

   Scheduled: When this Task is Started, a pre-configured Schedule is then executed. This Schedule includes settings such as Start Time, Stop Time, Logging Interval and Log Calendar.

2. **Task 'Start', 'Stop' and 'Configure' buttons**

   A) Start / Stop Operation

The Immediate / Scheduled Task (whichever is selected) must be manually started using the 'Start' button. This can be done automatically on each startup of the SCU by ticking the following box…

An Immediate Log Task can also be manually started by right clicking on the Log Schedule Icon and selecting 'Start Immediate Log'…
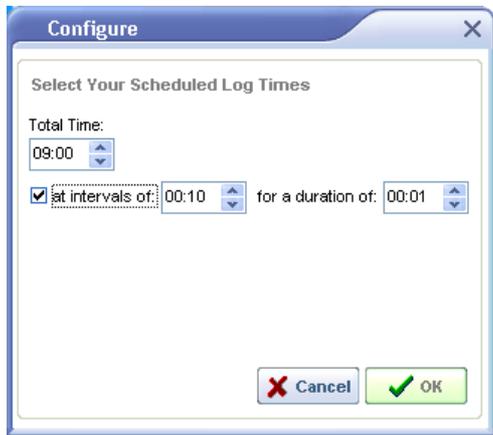

Once an Immediate Log Task is started this option will toggle to display 'Stop Immediate Log'…
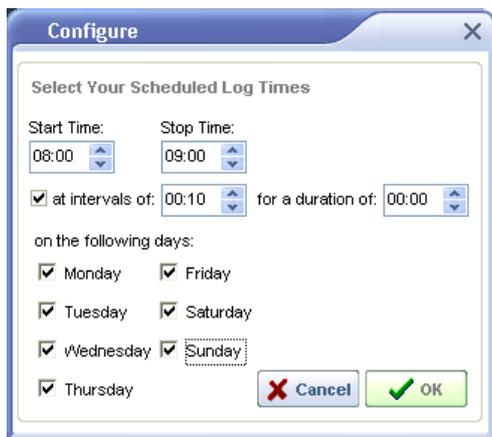

B) Configure button

There are separate 'Configure' buttons for Immediate and Scheduled Log Tasks. The Immediate and Scheduled Log Tasks have their own configuration settings, separate from each other.

i) 'Immediate Log' Configure

o Start Time is whenever the Task is started.

o 'Total Time' is the time period that the Logging Task will run from the Start Time.

o 'Interval' sets the time between successive log files and 'duration' is the recording time for each
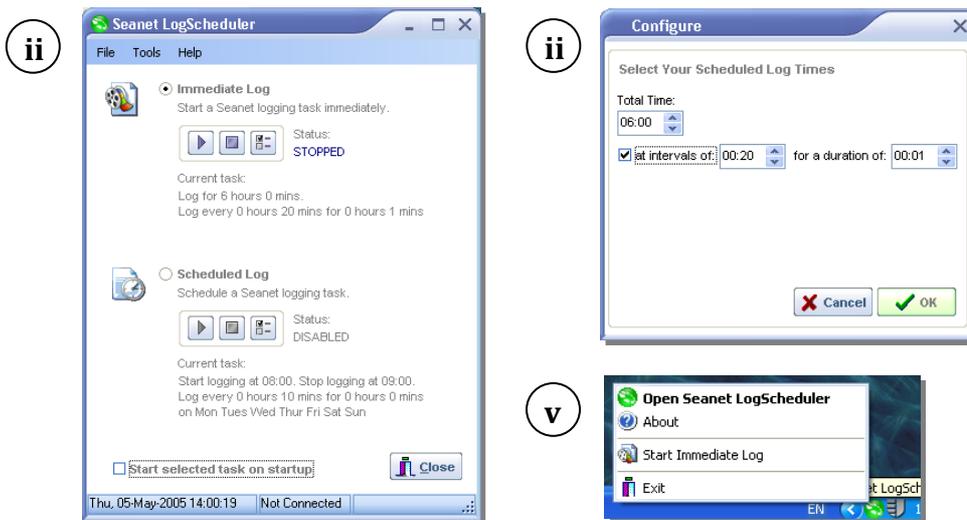
ii) 'Scheduled Log' Configure

o 'Start Time' and 'Stop Time' sets the logging period.

o 'Interval' sets the time between successive log files and 'duration' is the recording time for each log file.

o When started, the Task will run indefinitely on the selected 'days' between

Examples

Scenario #1: Log several short files (1 minute duration) at intervals of 20 minutes for a 6 hour time period.
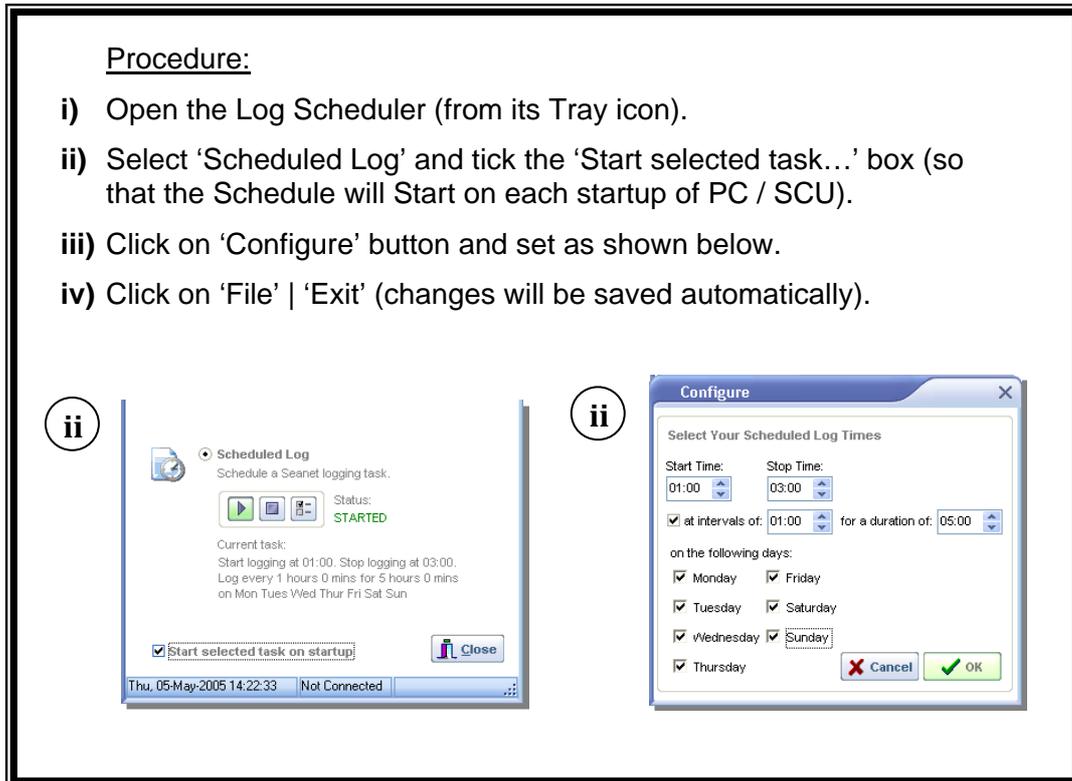

Procedure:

i) Open the Log Scheduler (from its Tray icon).

ii) Select 'Immediate Log' and un-tick the 'Start selected task…' box.

iii) Click on 'Configure' button and set as shown below.

iv) Click on 'File' | 'Exit' (changes will be saved automatically).

v) When ready to start the 6 hour Logging Task, right-click on the Log Schedule Icon and select 'Start Immediate Log'.

Scenario #2: Log several short files (5 minute duration) at hourly intervals between the hours of 1:00pm and 3:00pm on each day.

Procedure:

i)   Open the Log Scheduler (from its Tray icon).

ii) Select 'Scheduled Log' and tick the 'Start selected task…' box (so that the Schedule will Start on each startup of PC / SCU).

iii) Click on 'Configure' button and set as shown below.

iv) Click on 'File' | 'Exit' (changes will be saved automatically).

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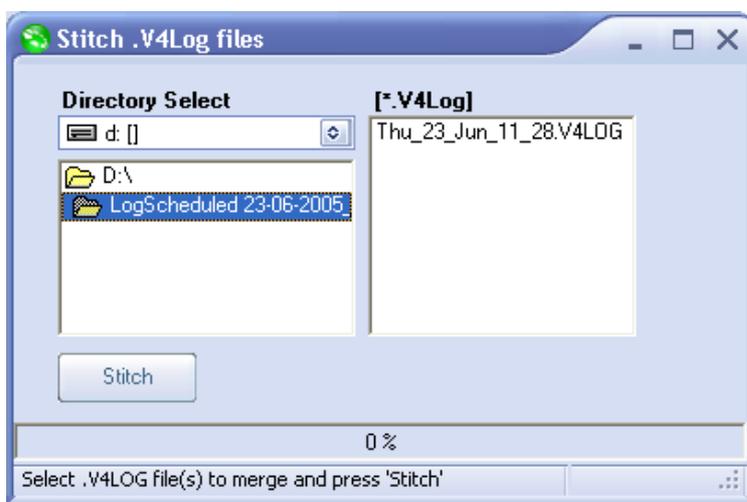**www.tritech.co.uk**

Additional Log Scheduler Tools

1. Log File Stitching

This is selected from the 'Tools' menu on the main bar of the Log Scheduler program…

This Tool enables multiple Log Files to be assembled into one main log file. When a task is started, a new folder will be created in the main program directory (**C:\Program Files\Log Scheduler**). This new folder will be named with Start Date and Time, i.e. "**LogScheduled 13-06-2005_10-34**".
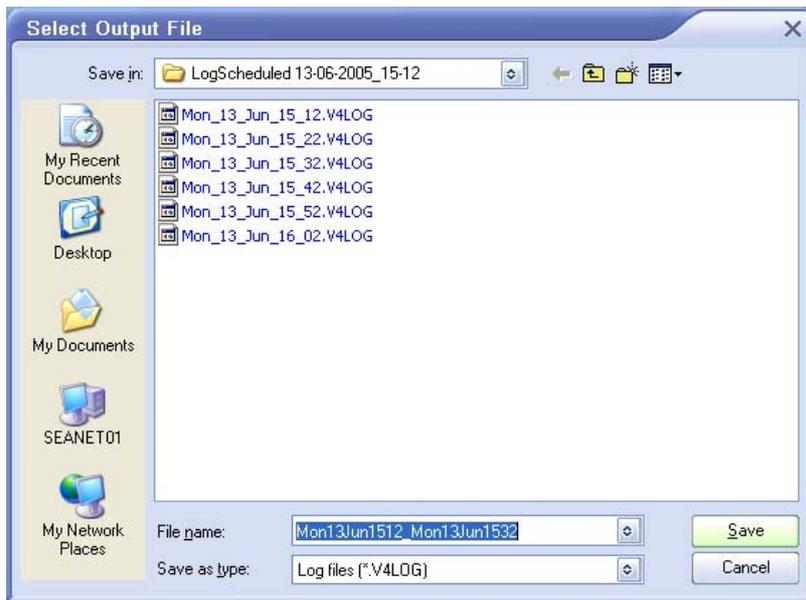
Click on 'Stitch Logs' from the 'Tools' menu to open the 'Stitch .V4Log Files' form…

On the Left Hand Side, the directory will point to the main program directory. Within this directory can be found all folders with log record sets created from previous log tasks.

The Right Hand Side of the form will display all ".V4Log" log files. These data log files form the log set for a particular scheduled task. Click on a .V4Log file to select it (highlighted blue) and add it to the stitched Output log file. Once all .V4Log files are selected, click on 'Stitch' to create the Output log file. A 'Select Output File' dialog will open with a default name for the Output log file…

This default name will include the times of the first and last .V4Log files in the output set, i.e. "**Mon13Jun1512_Mon13Jun1532.V4Log**". This file name can be changed at this point.

Within this Output log file, the Log records for each of the separate log fragments will be Time-Stamped with the time and date of recording. This can be used for reference when replaying from within the "Seanet Pro" software.

2. Log Options

This is where the Log Path can be changed from the default. All new log folders will be stored in the Log Path.