ReproRog.NET User's Guide V1.0.6 6 March 2008

System Requirements

Operating System: Windows XP (32 bit)
Windows 2000
Windows 2003
Windows Vista (32 bit)
64 bit versions not tested.

Microsoft .NET 2.0 (will be installed if not present)

Sufficient RAM for operating system (1GB or more recommended).

Network connection to Océ TDS/TCS plotter

GPL GhostScript (V8.61 tested)

Overview of System Operation

Scope of Purpose

ReproRog.NET is designed to batch print CAD PDF files to Océ wide format plotters and generic PCL laser printers and digital photocopiers.

The users can add drawings to a job by drag-and-dropping, or by using the ADD FILES button. ReproRog.NET will process the drawings to determine the physical size of each page.

Users can select scale factors, collation, specific media rolls, media types (on Océ TCS models), folding and other finishing options.

Models and Plotters

ReproRog.NET has several predefined MODELs. These MODEL definitions are RRM files located by defaults in the [CommonUserDataFolder]\ReproRog®\ReproRog.NET folder.

MODEL files are the basis of defining specific PLOTTERs. The terms PRINTER and PLOTTER both mean a physical printing device and are used interchangeably. A plotter is a specific instance of a MODEL. There can be multiple PLOTTERs of the same MODEL. The PLOTTER definitions are RRP files located by default in the [CommonUserDataFolder]\ReproRog®\ReproRog.NET folder.

The PLOTTER definition identifies which MODEL options a specific PLOTTER has installed. For example a MODEL definition will specify a range for the number of rolls a PLOTTER may have. A specific PLOTTER definition will specify how many rolls are installed on the specific PLOTTER.

Plotter Queues

Each physical plotter must be installed on the user's workstation. When a PLOTTER is added to the ReproRog.NET system the correct PRINT QUEUE must be specified. This is typically the Windows Printer you would use to print to this device. No processing is done by the print queue – its sole purpose is to spool data to the plotter.

Installation

ReproRog.NET Installation

Unzip the downloaded installation ZIP archive into an empty folder

Run the SETUP.EXE from the ZIP archive

Accept all the defaults

An icon will be created on desktop to run ReproRog.NET. This is the only shortcut to the program. No START menu is created but you are free to do so manually.

GPL GhostScript Installation

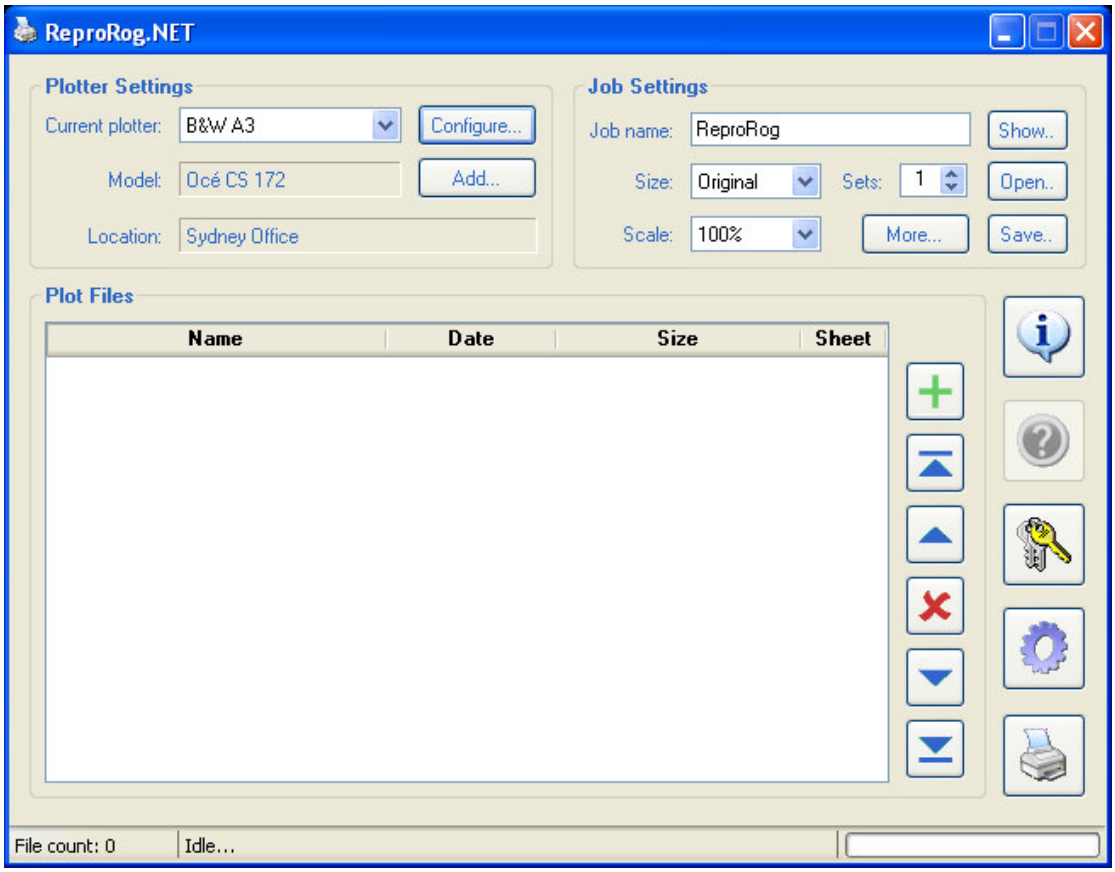
Download the `GPL GhostScript` self-installing archive. It must be `GPL GhostScript`, not `AFPL` or `GNU GhostScript`. Run this archive and install `GhostScript`
Accept the defaults

First Time Run

The start-up splash screen will display the initialisation steps:

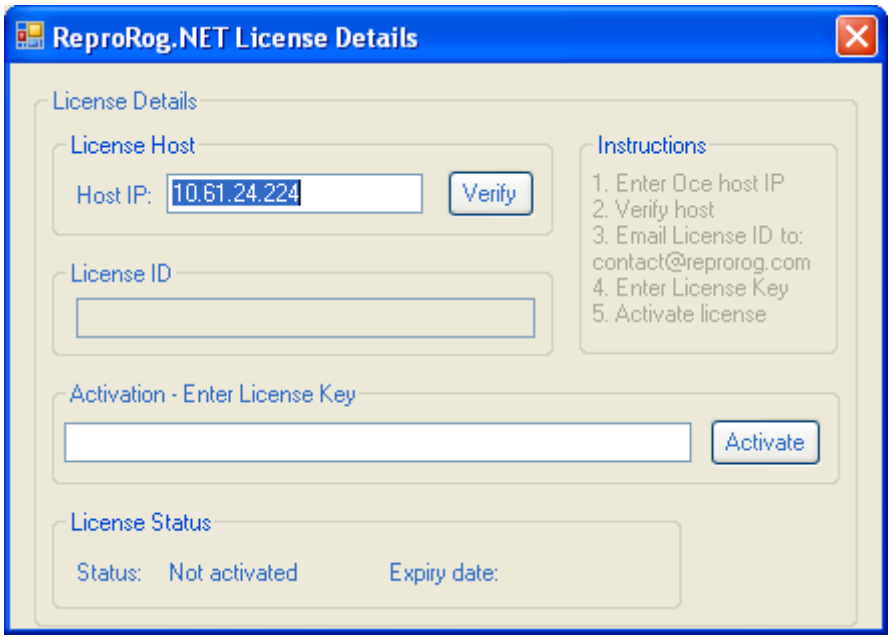
- Check registry to verify GPL GhostScript is installed
- Check that the GPL GhostScript DLL can be accessed
- Load the file SCALES.RRS from the [CommonUserDataFolder]\ReproRog®\ReproRog.NET folder
- Load the file [CommonUserDataFolder] from the [CommonUserDataFolder]\ReproRog®\ReproRog.NET folder
- Load the MODEL definition files from the [CommonUserDataFolder]\ReproRog®\ReproRog.NET folder (*.RRM files)
- Load the PLOTTER definition files from the [CommonUserDataFolder]\ReproRog®\ReproRog.NET folder (*.RRP files). If no plotters have been defined then provide the opportunity to define an initial plotter. If no plotter is defined at this stage the program will exit.
- Check if the License Host can be contacted via ping operation. Any firewall settings will have to be checked to allow the application to access the network.
- Verify the License Host is an Océ PLC.
- Decode the License Key and verify it is valid for this Océ PLC.
- Decode the expiry date of the license

Steps 7 to 10 will fail on first time run as no Océ PLC host will have been identified. The system will run in trial mode that limits the user to a maximum of 5 files and/or 2 sets.
The main window will appear:



Licensing

ReproRog.NET is licensed to the network MAC address of the Océ Power Logic Controller (PLC). Click on the LICENSING DETAILS button and the following window appears:



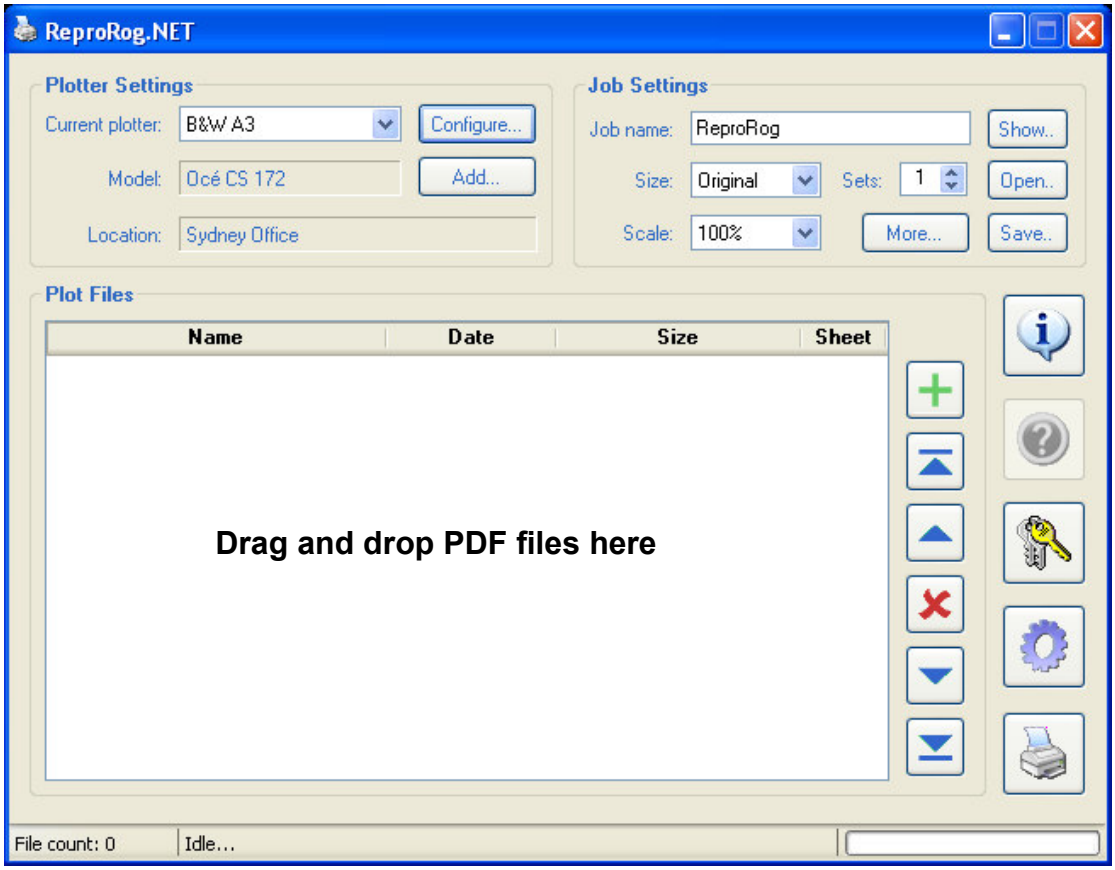
Enter the IP address of your Océ PLC (in the example form above it is 10.61.24.224). Click the VERIFY button. The system will verify the PLC exists and generate a LICENSE ID. **This can take 10-15 seconds.** Cut and paste this LICENSE ID into an email and send to contact@reprorog.com. A LICENSE KEY will be emailed back to you. Cut and paste this LICENSE KEY from the returned email into the Activation field and click the ACTIVATE button. **It can take 10-15 seconds for the activation to progress.**

The same LICENSE KEY can be used for as many users as required – you do not need a different LICENSE KEY for each user. The only common factor is that each user can "see" the Océ PLC over the network.

Unlicensed versions will experience a delay at the start and will be limited to a maximum of 5 documents and 2 sets. Currently, licensing is free.

Usage

The main window is shown below:



Tool tips are enabled so if you hover the cursor over any of the buttons it tells you its function.

Add Files

Files can be added in two ways:

- Drag and drop PDF files from Windows Explorer to the large white rectangle
- Use the Add Files button - 

Files will be interpreted for size and added to the list.

Print Job

Click the `Print` button in the lower right of the main window. The `Job Name` will identify the job in the printer queue .

Manage Plotters and Printers

Use the `Add…` button in the `Plotter Settings` to add a new device. You can also add the same device twice, but have a different setting for each plotter. For example you could define a TDS 700 plotter with folding enabled and one without.

Use the `Configure…` to adjust the default settings for your plotter. Use the `More…` button in `Job Settings` to make temporary settings to your job.

Size and Scaling

These two settings have some interaction. Common tasks and there settings:

Task	Size	Scale
Print 1:1 (100%)	Original	100%
Reduce to A3/B	A3 or B	to fit
Reduce to A3/B with known scale (plot will be clipped if inconsistent scale/size selected)	A3/B	%

The scale factors are defined in the `[CommonUserDataFolder] folder`. This can be edited if required. The format is self-explanatory.

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Known Errors, Bugs, Info and Stuff-ups

- Really, really bad PDF files will not be accepted. The user may not be alerted that they have failed to be interpreted.
- Océ 9400 series not supported. This will be end-of-life Nov 2009. Is it worth it ?
- The system checks the registry for GPL GhostScript. It uses the path to GPL GhostScript stored in the registry to find the GSDLL32.DLL. It then checks if it can call this DLL. If it can't then it stops. Check you have **GPL** GhostScript, not **AFPL** or **GNU** GhostScript. If you have multiple versions installed it links to the highest version number.
- The system requires Microsoft .NET 2.0. This will be installed if necessary.
- No testing has taken place on 64 bit systems. Feedback welcome.
- Minimal testing has taken place on Vista. Feedback welcome.
- `[CommonUserDataFolder]` is typically: `C:\Documents and Settings\All Users\Application Data`
- If older plotter definition files (*.RRP files) exist they may cause start up warnings and errors. If in doubt delete any existing *.RRP files from the `[CommonUserDataFolder]\ReproRog®\ReproRog.NET` folder.
- If older model definition files (*.RRM files) exist they may cause start up warnings and errors. If in doubt delete any existing *.RRM files from the `[CommonUserDataFolder]\ReproRog®\ReproRog.NET` folder.
- The plotter and model definition files are text based and can be edited (within reason). For example if you wish to limit the page sizes available with specific plotters then edit the `MODEL` file and remove the paper sizes not required.
- Startup settings are stored in the `REPROROG.INI` file in the `[CommonUserDataFolder]\ReproRog®\ReproRog.NET` folder. This is text based and can be edited if necessary.
- Océ TCS plotters need to have the PostScript Level 3/PDF option installed to work. We will eliminate the need for this in a later version.
- Printing to colour PCL devices creates huge files. We are looking at ways to change this.
- Stamping on Océ systems will be implemented in a later version. Stamping on other devices will also come later.
- There is a delay of about 10-15 seconds when generating the License ID and when accepting the License Key in the license module. Sorry. Be patient.
- There is no HELP file as yet. It is not complicated. Be brave.