

**AMI Education  
Solutions Ltd** | Ranger Print Manager  
Product Information Guide

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## Product Overview

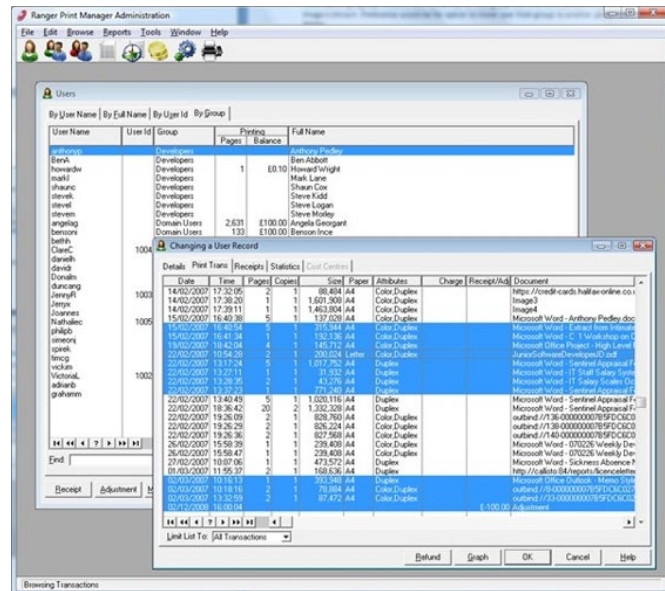
**Ranger Print Manager** is an accounting solution that enables users to see their printer usage and its associated costs. By setting credit limits and increasing visibility printer wastage and costs are reduced

About Sentinel	Ranger Print Manager Key Features
<ul style="list-style-type: none"> <li>• Established in 1999</li> <li>• 2500 School customers</li> <li>• Solutions used in 25% of Secondary Schools and Academies</li> <li>• Continued rapid growth in Primary schools</li> <li>• Over 50 accredited partners nationwide</li> <li>• Full range of professional services: installation, project management, training, customer support and consultancy.</li> </ul>	<ul style="list-style-type: none"> <li>• Designed specifically for education</li> <li>• Browser based user interface</li> <li>• Different printer-based charging rates (e.g. black and white, colour)</li> <li>• Simple to install and easy to operate</li> <li>• Setup Wizards</li> <li>• Requires no new hardware</li> <li>• Record the total number of jobs and pages printed for departments, users and printers</li> </ul>
Sentinel Support Services and Performance	Sample Sentinel Customers
<ul style="list-style-type: none"> <li>• Web support facility for FAQs, upgrade downloads, etc.</li> <li>• Dedicated team of Helpdesk Engineers and Trainers</li> <li>• Choice of self installation or by accredited partner</li> <li>• Project Management team for larger installations</li> <li>• 82% customer help desk approval*</li> <li>• 92% installation satisfaction*</li> <li>• Sentinel User Group and forum</li> </ul> <p>*Performance stats based on 2007 customer survey</p>	<ul style="list-style-type: none"> <li>• Perins Community College</li> <li>• Newcastle College</li> <li>• Falmer High School</li> <li>• Gateacre Community Comprehensive School</li> <li>• Samuel Lucas JMI School</li> <li>• St Thomas More Catholic Comprehensive</li> <li>• Churston Grammar</li> <li>• Ferryhill Business &amp; Enterprise College</li> <li>• Swanmore Middle School</li> <li>• St Joseph's College</li> <li>• Oldway Primary School</li> <li>• The Bridge Academy (PRU)</li> <li>• Mill Chase Community Technology College</li> </ul>

## Introduction

Ranger Print Manager allows administrators to account for print costs across a network. It provides each user with a print account from which they are charged each time they print. Optionally, once a user's budget is used they are no longer allowed to print until their credit is renewed. Different printers can have different charge rates for colour or black and white prints.

- Raising awareness of printer costs and environmental concerns reduces wastage
- Cost savings through the elimination of waste and misuse
- Save time and effort by centrally managing your printers
- Create and make individuals responsible or budgets
- Charge students for all printing or once they've exceeded their quota
- Usage visibility allows reallocation of under used resources
- Prevent unwanted prints



### Key Challenges

- Reduce paper wastage
- Reduce costs of consumables
- Increase visibility on the “who, what and where” of printer usage
- Make staff and students accountable for their resource usage
- Centrally manage your printers
- Reduce e-waste

## Functional Summary

In response to these challenges the main functions of Ranger Print Manager can be summarised as below:

	Function	
<b>Control</b>		
	Reduce Printing By 20% Or More	✓
	Enforce Page And Print Size Limits	✓
	Mechanism For Print Charging	✓
	Quota Limit & Cost Recovery Options	✓
	Recharge Vouchers	✓
<b>Management</b>		
	Range Of Print Charging Options	✓
	Web Interface For Users To Query Balance	✓
	Import Active Directory Users And Groups	✓
	Wizard Based Tools	✓
<b>Visibility</b>		
	Monitor For Abuse And Misuse	✓
	Graphical, Summary And Tabular Detail Reporting	✓
	Optional Print Verification Pop-Up	✓
	Show Students Their Account Balance	✓
	Identify What Printers Are Being Under Or Over Utilised	✓

# Solution Components

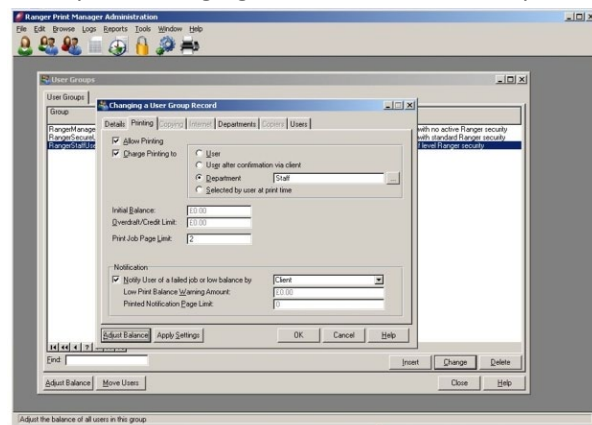
## Monitor, Control And Reduce Printing Across Your Network.

### Reduce Printing by 20% or more

With Ranger Print Manager, a typical secondary school can reduce their printing costs by enforcing page and size limits per job and by introducing a quota system to effectively self-police print jobs.

### Student Charging

Ranger Print Manager provides a mechanism for print charging, but its level of adoption and implementation detail is optional. Some schools simply use print charging as an internal method of monitoring for abuse and misuse, while others opt for a full student quota limit program. It is also possible to have a mixed solution where free printing is permitted up to a certain amount, after which point charges are applied.

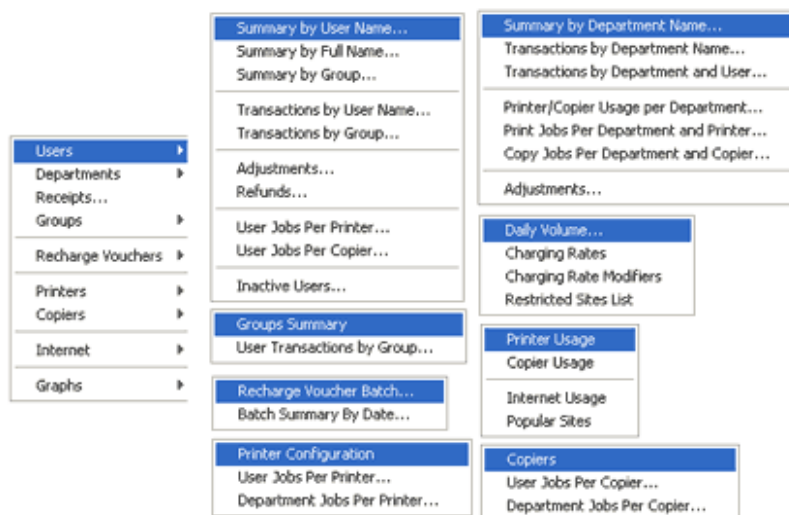


### 100% Software Based Solution

Ranger Print Manager requires no additional hardware. Installed on your existing Windows print server or proxy server, the print monitor runs as a service without seriously impacting the server.

### Reports and Graphs

Generate reliable, accurate, and continuous reports that detail the total print related activity for all network and desktop printing.



### Wizard Based Tools

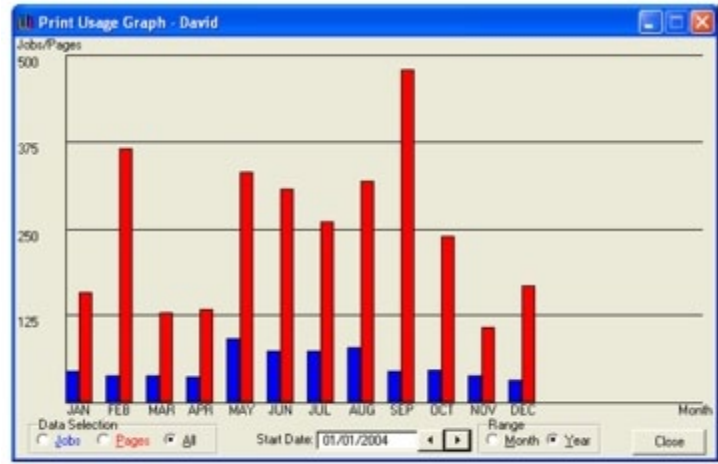
The Setup Wizard helps you to get started quickly and easily by stepping you through the process of creating global defaults, user groups and printer charging.

## Active Directory Integration

The import users procedure allows you to directly import users and synchronise group membership from Active Directory or via a CSV formatted text file.

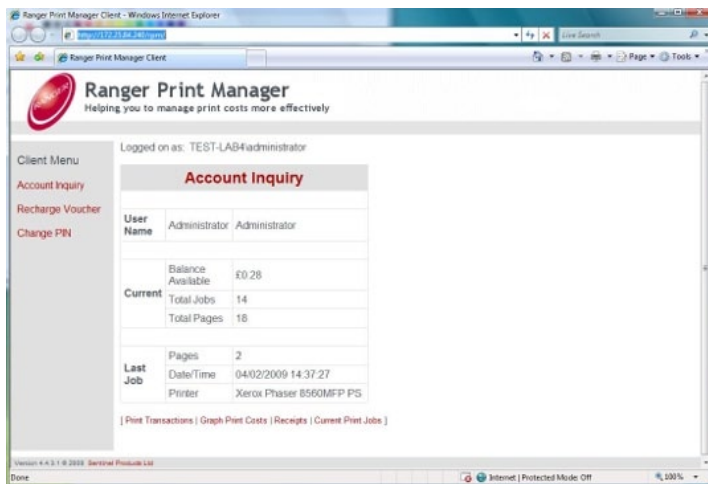
## Print Verification Pop Up

Ranger Print Manager installs a client at each workstation to perform local functions and reduce costs. The client may be automatically activated if you require the student to confirm a print job before it prints, if you require the teacher to supply charging information for a print job or if the student receives a message to notify them an event like a failed print job or a low balance. The student can view their account balance, check their print settings and transactions, as well as perform a variety of tasks such as allocating a recharge voucher or printing a statement. All these functions can be enabled or disabled via the Administration program.



## Recharge Vouchers

Recharge Vouchers allow users to "recharge" their print balance in the same way as a conventional cash receipt, but without the need for staff to enter a receipt transaction. Each voucher has a unique activation code. The user can enter this code either via the pop-up client or web interface. Once the code is entered, the voucher will be "allocated" and the user's balance will be increased appropriately. Each voucher is unique and can only be allocated once.



## Web Interface

The Ranger Print Manager client allows users to make a Balance Inquiry and add Credit to their account via a Recharge Voucher from any networked PC.

## Features Summary

Designed Specifically For Education	✓
Desktop & Browser Based User Interface	✓
Charge Different Rates For Single/Double Sided Printing Or Black/Colour Printing	✓
Simple To Install And Easy To Operate	✓
Setup Wizards	✓
Requires No New Hardware	✓
Record The Total Number Of Jobs And Pages Printed For Departments, Users And Printers	✓
PCL5, PCL6, Postscript And ESC/P2 (Epson) And Most GDI Printers	✓
Any Printer Whose Driver Uses Windows EMF Spool Format	✓
Set Page Costs Per Paper Size Per Printer	✓
Allows Staff To Charge To Their Personal Account Or To A Cost Centre	✓
Set Upper Limits On The Total Number Of Pages Allowed To Be Printed For A Cost Centre, Individual User Or Printer Per Job	✓
Set An Overdraft Amount To Allow Users To Complete One Last Job	✓
A Record Of The Total Number Of Jobs And Pages Printed For Cost Centres, Users And Printers	✓
Details On When And Where The Last Job Was Printed For Each User	✓
Notification Of Failed Jobs Via A Client Application, Windows Messaging Or The Printer	✓
Summary And Detailed Logging Of All Print Jobs	✓
Supports Virtually Unlimited Printers Per Server	✓
Licensed For Unlimited Servers Per Domain	✓

## System Requirements

Solution	Ranger Print Manager
Hardware	A processor and memory sufficient to run Windows
Operating System	NT/2000/XP/2003/2008 as appropriate
Hard Disk Space	15 MB disk space for the system installation Additional disk space for the database
Printers	Postscript, PCL5, PCL6 or ESC/P2 printers Any printer whose driver spools in EMF
Monitor Software	Windows NT 4.0 Server, Terminal Server or Workstation Windows 2000 Server or Workstation Windows 2003 Server Windows 2008 Server Windows XP Windows Vista
Administration and Print Client	Windows 95/98/Me/NT/2000/XP/Vista
Printer Monitoring	Novell Clients require Microsoft Services for Netware to be installed on a Windows Server.  Macintosh Clients prior to Mac OS-X may require a 3rd party security package to authenticate the print jobs to Windows NT/2000/XP. Mac OS-X clients must print to windows via Print Services for Unix  Unix Clients printing to Windows NT/2000/XP printers via LPD using Print Services for Unix are supported
Web Client	Requires Microsoft Internet information Services 6.0 and above on the RPM Server

If you have any queries regarding system pre-requisites, please contact your Ranger reseller or visit the Ranger web site: [www.rangersuite.com](http://www.rangersuite.com)