

**AMI Education
Solutions Ltd** | Ranger Remote Control
Product Information Guide

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Ranger Remote Control Product Overview

Ranger Remote Control is a class leading training software solution, providing teachers with the ability to instruct, monitor and interact with their pupils either individually, as a pre-defined group, or with the overall class

Introduction

Increasingly Schools are trying to equip their students with the tools and skills to be proficient in a diverse range of applications from Word Processing and Spreadsheets to CAD and Desk Top Publishing. The only common thread between these disciplines is the need for each Student to have access to a PC and the associated resources.

- A more effective method to deliver computer based teaching
- Greater control of students in the classroom
- Enhances ability to monitor and assist students
- Simple functions for students to request help
- Features tools to demonstrate issues and key points online
- A greater return on investment and lower Initial cost

Once this objective is met, the next step for IT curriculum staff is to identify the most practical and efficient ways of providing "hands on" instruction to each and every student.

Typically the instructional evolution of the classroom has gone from the humble blackboard, to a single Large Monitor, to an Overhead Projection System, and with each step the costs for the technology have increased. First and foremost the decision to invest in any form of presentation equipment has to be to define your specific needs. For most the primary objective is to allow all Students in a given class the ability to view the actions of the instructor explaining an application.

Ranger Remote Control is designed to benefit Teachers who use a computer network to train Students in the use of computer applications and other packages. Ranger Remote Control is an interactive software product that allows Teachers to demonstrate, monitor and interact with their students simply and effortlessly. With Remote Control teachers can show screens, highlight key areas, hand out course work; chat, control group discussions and much more.

Key ICT Teaching Issues

- How to effectively supervise my students when they are on the Internet
- Highlight the areas of most relevance to a student on his screen
- Show the Class the progress of a selected Student
- Retain pupil attention when discussing issues raised
- More effectively teach and utilise technology

Functional Summary

In response to these challenges the main functions of Remote Control can be summarised as below:

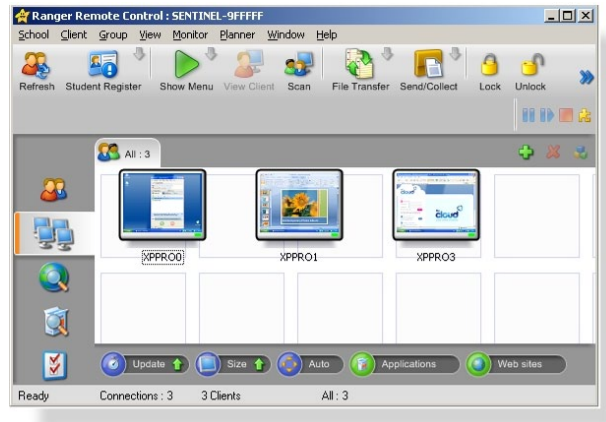
	Function	
Control		
Assist	Remote control student PCs	✓
Retain Attention	Lock student keyboard and mouse	✓
Time Saving	Remotely Power On & Off Student PCs	✓
	Remotely Start applications on Students PCs.	✓
	Hand out and Collect Coursework	✓
Management		
Tools	Highlight areas of interest with suite of annotation tools.	✓
	Full Audio Support	✓
	Offers Group Chat and Collaboration	✓
Visibility		
Instruct	Project instructor screen	✓
	Project selected student screen to class	✓
	Project in full-screen or window	✓
Monitor progress	Monitor student progress, either scan through each screen or viewing multiple screens in a single action.	✓
	Monitor several students at once	✓

Solution Components

Manage

Classroom Management

- Power on or off all classroom computers from the Teacher PC.
- Perform a Remote "Log off" on all PCs.
- Send a Remote "Log in" to all Student PCs at the beginning of class.
- Blank Student Screens to gain attention.
- Lock the Student's Mouse and Keyboard when instructing.
- Automatically re-connect to Student PCs on Reboot.
- Use layouts so the Teacher PC represents the layout of the physical classroom.
- Use individual Teacher profiles to deliver the features needed by each teacher.
- Give individual Students visual rewards to encourage effort or behaviour.
- One Click "Request Assistance" option for Teacher needing Tech Support.



Printer Management

- Prevent Students printing in the classroom.
- Limit printer usage by number of pages.
- Require Teacher authorisation prior to printing.
- Prevent Printers being added, deleted or modified.
- Control access and usage for each individual Printer.
- Display real-time Print indicator identifying which Student is printing.

Device Management

- Prevent data being copied to or from USB storage devices.
- Prevent data being copied to or from CDR / DVD devices.
- Prevent new network connections being created.

Student Register

Ranger Remote Control offers a powerful Student Registration feature:

- Request standard and custom information from each Student at the start of class.
- Distribute files to multiple PCs in a single action.
- View a summary for a Student by using a "mouse over" of the Student icon.
- Use customised icons for individual or groups of Students.

Student Information Bar

Ranger Remote Control now features a Student Information bar, neatly located at the top of each Student Screen. This can be set to be always visible, hidden or to auto-hide.

The information bar provides feedback to the Student on the current lesson, time remaining, current websites and applications that are available, the status of messenger and keyboard monitoring, lesson objectives and quick access to request help. The information bar is fully configurable by the Teacher.

Hand Out and Collect Files

Distribute files and folders from the Tutor PC to multiple Student workstations.

- Transfer files to and from a selected PC in a single action.
- Distribute files to multiple PCs in a single action.
- Hand out and automatically collect files with each Student's details appended.

Instruct & Collaborate

Real Time Instruction (Show Mode)

- Show the Tutor's screen to selected Students.
- Show a specific desktop to selected Students.
- Show just a selected application to selected Students.
- Show a Replay file (previous screen recording) to selected Students.
- Broadcast a Video file to selected Students.
- Deliver your presentations optimised for Wireless networks.
- Leave a recording of your Show on the Student's PC for future review

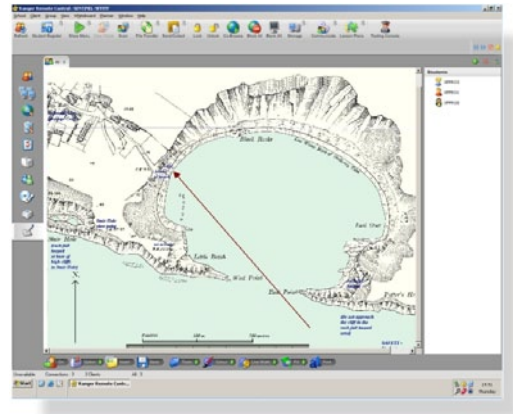
Key Show

Visually highlights when key combinations are used (ie CTRL + P for print)

Screen Highlighter and Drawing Tools (Annotate)

Ranger Remote Control provides as standard a wealth of screen annotation tools to aid in presenting.

These include Line Tools, Arrows, Shapes, Text Highlighters and more



Virtual Whiteboard

Full page Whiteboard integrated directly within the Tutor supported by a wealth of drawing tools for improved collaboration within the classroom

Internet Co-Browse

Allows a Teacher to open selected websites and synchronise this with the browser on each Student PC. As a Teacher navigates across a website the Student PCs will follow

Group Leaders

A nominated Student can be assigned certain Tutor rights and act as a Group Leader until such privileges are revoked. Now includes a visual layout of Leaders and their assigned group members

Group or 1:1 Chat

Open a discussion session that all or selected Students can join, enter their comments and share with the rest of the class. Now features emoticons.

Audio

Broadcast Audio to the class or transmit the Tutor's voice during a presentation. Audio support is included in all Show Screen, Remote Control and Chat sessions.

Exhibit (Student Screen)

Allows a Teacher to select a Student's computer and broadcast their screen to the rest of the class. - perfect for highlighting achievements or sharing Student feedback.

Teacher Toolbar

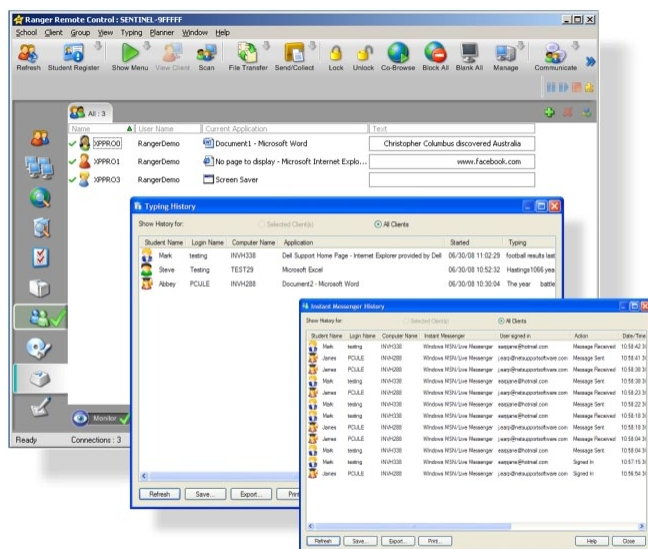
When the Teacher application is minimised a convenient toolbar is provided for quick access to key features within Ranger Remote Control. This toolbar is optimised for use with Interactive Whiteboards.

View Student Screens in Real-Time (Monitor Mode)

- Monitor the entire class in a single view.
- Scan through sets of Student PCs in pre-defined multiples.
- Overlay additional information including: Active Application or Active Website.
- Zoom for optimised high definition Student thumbnails.

Instant Messenger Monitoring

In addition to the ability to prevent Messenger applications running within the classroom, Ranger Remote Control also provides real-time monitoring of specific Messenger applications, presenting the Teacher with a real time view of chat activity and content.



Real-Time Keyboard Monitoring

Designed to be used in conjunction with application control, this component provides Teachers with a real-time insight into Student activity and topic understanding. During a lesson, while all Students are working using any approved application; the Teacher can monitor the entire class and see quickly and easily their typed content and activity levels.

Also provides "Target" Keywords for tracking of Student understanding and a full history of keyboard usage by Student and application.

Application Metering and Control

- Monitor all Student Application use.
- View background applications running on all PCs.
- Open and Close applications on all selected PCs in a single action.
- Record a full history of application use for the class.
- Prevent restricted applications from running.
- Allow only approved applications to run

Internet Metering And Control

- Monitor all Student Internet use.
- View background websites open on all PCs.
- Open and Close websites on all selected PCs in a single action.
- Record a full history of internet use for the class.
- Prevent access to any or restricted websites.
- Allow access to approved websites only

Internet SafeSearch

SafeSearch feature overrides the search settings for most leading search engines and prevents inappropriate content being returned within search results.

Powerful Remote Control

Watch, share or control the screen, keyboard and mouse of any Student workstation in the class on a 1:1 basis irrespective of colour depth, resolution or operating system at either end.

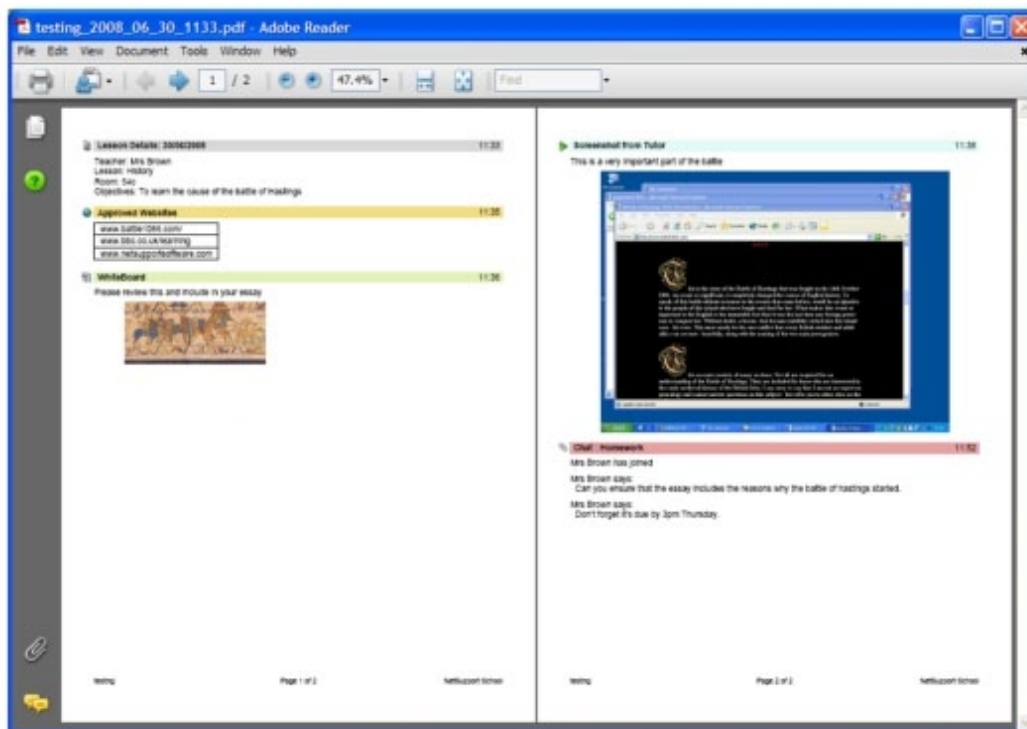
Learning

STUDENT JOURNAL

Ranger Remote Control now provides a powerful and unique Student Journal. During a typical class, all appropriate items relating to the subject can be captured and automatically included in a PDF file for post-lesson review by each Student.

- Lesson details and objectives.
- Teacher Notes.
- Individual Student Notes.
- Screenshots from within a Presentation (and supporting explanation).
- Class or group Survey results.
- Virtual Whiteboard screens.
- Individual Student Test results.
- URLs of websites used during the lesson.
- Copies of any class Chat transcripts.

The unique Student journal provides a complete record of the subject matter and information covered during a lesson, offers a welcome summary for any Students who were absent from a lesson as well as a structured summary of activity for the Teacher.



Testing

STUDENT SURVEYS

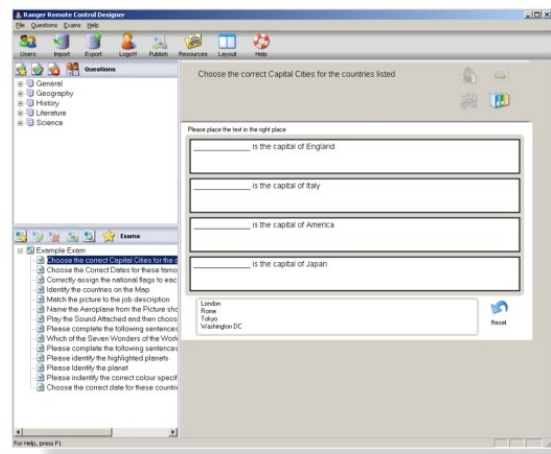
Find out if your Students have understood the content covered during the lesson by conducting an instant survey.

- Create a survey using pre-supplied or custom responses.
- See instantly all responses and a summary for the class.
- Create groups dynamically based on Student responses.
- Publish survey results to all Students.

Student Testing and Quizzes

Design tests and examinations with the minimum of effort, including text, picture, audio and video questions.

- Create a library of resources and questions that can be shared.
- Create any number of Tests using questions from your library.
- Now utilise any of 8 different question styles.
- Create Questions with between 2 and 4 possible answers.
- Set examination Grading levels (ie over 75% = A grade).
- Track Student progress and see question success or failure in real-time.
- Auto-mark the test so results are available as soon as it is completed.
- Display individual results back to each Student.
- Deliver results (including highlighting the correct answers) to the class.
- Install the Test designer on a standalone system.



Wireless Support

Ranger Remote Control is fully optimised for use with Wireless networks, Laptops and Tablet PCs. The philosophy for managing computers in a wireless environment is to maximise performance without compromising the network or the devices servicing it. With that in mind Ranger Remote Control provides a specific wireless mode that allows data throughput when performing a real-time show to a class to be matched to the Wireless network and Access Point speeds. The product is extensively used on 802.11a and 802.11g networks.

With Ranger Remote Control in a Wireless environment you can:-

- Connect to Computers over a Wireless connection.
- Optimise performance to match access point speeds.
- Create pre-defined class lists to connect to non-static computers.
- Work effectively with Laptop and Tablet computers.
- Publish a class and allow Students to join on demand.

The latest version of Ranger Remote Control also features a Student Locator. This connectivity server allows wireless student laptops to be located across any LAN or WAN. Using this new, standard component, Students' wireless laptops can be located and connected to from any Class list no matter what their current IP address information or subnet is.

Security

Ranger Remote Control features a wealth of security features to ensure its correct and authorised use, these include:

- Unique "security key" to make your copy incompatible with other copies.
- Restrict connectivity to only systems carrying a matching software license.
- Tutor profiles each allowing customised levels of functionality as required.
- Use AD profiles to limit which users are able to use the Tutor software.
- Use AD profiles to force configurations for both Tutor and Client.
- Control the access and use of portable media devices within the classroom.
- Automatically re-apply restrictions on reboot of a student computer.

Ranger Remote Control is provided with example Active Directory (AD) templates for easy implementation.

Sample Customers

“Ranger is used in 25% of all UK Secondary Schools and Academies”

Sample customers

Primary Schools	Secondary Schools	Academies
Adderley Primary School	Addington High School	St. Michael & All Angels CofE Academy
Athersley North Primary School	Altrincham Boys Grammar School	Bradford Academy
Backworth Park Primary School	Barnhill Community School	City Academy Bristol
Cuddington Primary School	Baxter College	City of London Academy
Dame Johane Bradbury's School	Christ The King School (Liverpool)	David Young Community Academy
Emmaus Primary School	Dearne High School	Djanogly City Academy
Fairisle Infant School	Forest Comprehensive School	Greig City Academy
Greenfield Primary School	Gateacre CC School	Lambeth Academy
Hamworthy First School	Guildford County School	Marlowe Academy
Inverbrothock Primary School	Hurlingham & Chelsea School	Mossbourne Community Academy
Ivy Road Primary School	Ilkeston School	Northampton Academy
Jervoise JI School	Ise Community College	Petchey Academy
Kirkby Woodhouse Primary	Isleworth & Syon School for Boys	St. Matthews Academy
Lakeside Community Primary School	Ivybridge Community College	Walsall Academy
Newlands Primary School	Jarrow School	Samworth Enterprise Academy
Nightingale Primary School	John Bramston School	London Academy Barnet
Oaklands Primary School	Lymm High School	Oasis Academy
Quainton Hall School	Magnus Church of England School	
Queens Manor Primary School	Manchester Mavista School	
R A Butler Junior School	North Bromsgrove High School	
Sherwood School	Northgate High School	
Town Junior School	Oak Farm Community School	
Tysen Community Primary School	Ruskin County High School	
Uplands Primary School	Sacred Heart High School	
Woodheys Primary School	Twynham Comprehensive School	
Woolston Infant School	Uckfield Community College	
Yardley Primary School	Ysgol Uwchradd Bodedern	
Yateley Manor School	Valley Gardens Middle School	
High Oakham	Winchmore School	
Ludlow Junior School	Wingfield Comprensive	
Oxley Primary School	Withins School	

Features Summary

Full Classroom Management	✓
Interactive Lesson Plans	✓
Printer Management	✓
Real-Time Instruction Tools	✓
Powerful Student Surveys	✓
Testing and Quiz Components	✓
Virtual Interactive Whiteboard	✓
View / Control Student Screens	✓
Instant Messenger Monitoring	✓
Keyboard Monitoring	✓
Application Metering and Control	✓
Internet Metering and Control	✓
Student Journals	✓
Full Wireless Support	✓
Dedicated Teacher Console	✓
Full Classroom Management	✓

System Requirements

Software	Ranger Remote Control
Operating System	Win2000, 2003, 2008, XP and Vista
Hard Disk Space	35 Mbytes free disk space (90Mbytes Full Install)
Network Protocols	IPX/SPX, NetBEUI, TCP/IP

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