



## Anzio Lite and AnzioWin

Windows Telnet (Terminal Emulation) Clients  
 Technical Description  
 (version 12.6, February 2003)

### Capsule Description

Anzio Lite and AnzioWin are terminal emulation programs from Rasmussen Software, Inc. They are used in situations where a PC needs to connect as though it were a terminal to a host system running a character-based application.

Anzio (meaning both versions) emulates many common terminal types, including VT100/220/320/420, Wyse50/60, and Viewpoint, as well as the SCOANSI, AT386, and Linux consoles. Connection to the host can be by telnet, rlogin, direct serial, or dial-up modem; AnzioWin also supports an SSH connection. Anzio is especially strong in its support for passthrough printing and international characters.

Anzio Lite is a very low-cost version that meets the needs of many users. AnzioWin, at a higher cost, has more features for key mapping, user macros, file transfer, programmability, and interaction with other Windows programs. AnzioWin also includes the Print Wizard logic for enhanced printing.

### The Need

Many character-based applications still exist, running on various host platforms such as Unix, Linux, and VMS. These programs were written to be operated through dumb terminals, such as a Wyse 60, or through the character-mode consoles of Unix/Linux systems. To operate these programs from a Windows PC, some software must be run on the PC to emulate a terminal. That PC can then be connected to the host in a variety of ways, ranging from a short serial cable to a local area network to the Internet.

The terminal emulation program at a minimum must emulate a particular terminal correctly, including proper handling of control sequences, line-drawing characters, colors, foreign characters, special keys, etc. Beyond the basics, the user may require encrypted connections, programmability, auxiliary serial port support, mouse events, file transfer, and a variety of kinds of printing support.

An administrator who sets up terminal emulation for other users, even for public walk-up use, may need to



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“lock down” certain features of the emulator, to prevent the user from altering the setup.

### The Solution

Anzio provides all of this, and more. It is easy to install and use, and technical support is excellent.

See the feature chart later in this document for more details.

### Operation

Either version of Anzio can be downloaded and installed from the “anzio.com” web site. It will install as a demo, with a 60-day lifetime, unless it is activated with a license code obtained from Rasmussen Software or through an authorized reseller.

When you start Anzio the first time, it will ask you a) what terminal type to emulate, and b) how to connect to the host (serial, telnet, etc.). Once it connects, the host login should appear. That is all. All other operating parameters are preset to reasonable values.

When you terminate Anzio, it will ask permission to save your parameters. If it does so, the next time you run Anzio it will connect automatically, without asking questions. If you need to connect to more than one host systems, there are mechanisms for doing that.

### Platform Support

Anzio Lite and AnzioWin are 32-bit Windows programs, and will run on Windows 95, 98, ME, NT4, 2000, and XP. Both products also run well in a Terminal Services or Citrix environment.

An older version, Anzio for DOS, is available for DOS PCs using serial connections.

### Licensing and Pricing

Anzio is licensed by the number of PCs on which it will be installed. There are several volume breaks. There is NOT an unlimited site license, because sites vary so much in size.

Anzio Lite starts at \$25 per PC, with volume discounts starting at 50 units. AnzioWin starts at \$150 per PC, with volume discounts starting at 5 units.

Concurrent-usage licensing, update pricing, and discounts for libraries and educational users are available.

### Features

Following is a feature summary. Note that some items apply to AnzioWin only.

Emulations	VT100/220/320/420 SCOANSI AT386 Linux (console) Wyse 50/60 TV965 Versyss C332 ADDS Viewpoint NCR 7900
Terminal features	Graphics character sets Answerback Downloadable keys Downloadable characters Status lines Monochrome attributes Colors Passthrough print
Connection methods	Telnet SSH rlogin modem direct serial PicLan
Screen sizes	80- and 132-column screens Can be switched from host Custom screen sizes
Screen control	Run in full-screen mode, with no extraneous screen clutter, or in a smaller window.
Security	SSH1 SSH2 SRP
Login wizard	Automated login
Internal language support	Uses 16-bit Unicode characters internally. Automatically selects fonts needed to display characters.
Host language support	ISO (Windows native) OEM Unicode UTF-8

	ISO 8859-x Dec technical set Any Windows/DOS codepage Chinese, Japanese, Korean CCCII USMARC Custom
Diacritic support	Special treatment for combining diacritics ensures proper placement
Foreign character entry	Windows keyboards Dead keys for accents IME support for CJK COMPOSE command UNICODE command Alt-numeric entry, including Unicode
Languages for menus	English Spanish French
Linedraw characters	Always displayed properly, connecting to adjoining lines.
Euro support	Can be assigned to an arbitrary character value.
Faxing	Passthrough print jobs can be faxed automatically.
Browser integration	Anzio can register itself as the designated telnet client in Windows.
Mouse-to-host	Emulates 3 xterm standards for sending mouse events to host.
Local mouse options	Highlight (3 shapes) Send word to host Start URL Popup menu Run macro Character properties
Mouse wheel options	Screen scrollbar Send arrows to host
Sound	Issue a beep Play a standard Windows sound Play WAV, MP3 Midi files
Pictures	BMP, GIF, JPG As watermark

	Placed on screen Panned, zoomed Play AVI video files
AUX serial devices	Bidirectional aux port Connect barcode readers, postage scales, etc. Multiple devices
Kiosk mode	Limited menu system Disables some user commands
Other lockdown options	Prevent parameter changes Prevent quit Restrict to one host system Restrict to one instance at a time
Screen review	Variable-size scrollbar buffer Saves scrolls, screen clears
Programmable keys	48 function key combinations Arrow keys Special keys Alt-keys Control-keys Numeric pad w/ Numlock on Numeric pad w/ Numlock off
Macro language	Over 200 commands Macro to run on startup WAITFOR, with timeout Error branching Can contain international characters
Host-issued commands	Invoke any macro command Invoke any user macro
Initiating other programs	Run any program Start filename Print using file extension Option to wait for completion
DDE interaction with other programs	Anzio as client Similar to VBA commands Pass screen data Send returned data to host
OLE	Anzio as client Control Office applications
Windows Scripting	VBScript, JavaScript Execute a module Pass screen data Treat returned string as Anzio command

File transfer	Kermit Xmodem, Ymodem, Zmodem C332
Interactive FTP	Point-and-click FTP client Same host or different host
Programmed FTP	Automated FTP transfers Same host or different host
Clipboard operations	Copy entire screen Copy highlighted area Copies as text, Unicode text, bitmap Paste to host Paste into macro definition Full Unicode
Capture	Capture to file Capture to printer Options re. Control characters
User preference items	Beep Colors Window size Screen font Window title

*Printing features:*

Print screen	Current screen Highlighted area Can use PrintScreen key
Passthrough print	Print data sent from the host Standard escape sequences
Print initialization file	Plain text file Inserted at beginning of Passthrough print job Allows user to customize, control printout
Capture to printer	Operator initiates
Other printing	Print a file from PC File transfer to printer
Print level HIGH	Uses Windows printer driver Choose orientation Choose paper size, bin Choose printer font, size Unicode support Font switching as needed
Print level SPOOLER	Completely transparent Writes to Windows spooler

	Controls from host take effect Can be PostScript Can go to different printer
Print level RAW	Completely transparent Direct to COM or LPT Baud rate control Timeout handling Print to file Can go to different printer
Print Wizard auto-fit	Analyzes job for rows, columns Sets character height, width Sets margins Breaks pages logically
Print Wizard auto-rotate	Wide reports change to landscape mode
Print Wizard mini-page	Sets page length as needed One-at-a-time labels Receipt printers, etc.
Print Wizard text handling	Eliminates wasted pages Expands tabs Backspace-underlining Backspace-bolding Handles missing linefeeds
Print Wizard Markup Language	Like HTML Control all aspects of printing Font changes Bold, underline, italic Character entities Rules and rectangles Color Include bitmaps
Print Wizard multi-column	Convert plain text to multi-column labels
Print Wizard forms overlays	Full-page bitmap on any printer PCL forms on PCL printers
Print Wizard barcodes	13 styles Full control over size, etc. Print on almost any printer
Print Preview	See page before printing Adjust margins, etc.

More Information

The web site at [www.anzio.com](http://www.anzio.com) contains demos of both programs, as well as price schedules, policies, order forms, an online quote generation routine, the Anzio manual, and many technical tips.