



Apple Remote Access Personal Server 3.0

Features

Ease of use

- Installs in only minutes
- Provides everything you need for both the calling and the answering Macintosh computers—client and server software—in one convenient package**
- Lets individuals or small organizations access services remotely, in the same intuitive way they work with services locally
- Requires no specialized equipment other than what's listed under system requirements
- Built-in support for Apple Guide

Adaptability

- Enables individuals or small organizations to take advantage of remote access to a single Macintosh computer or an entire network using the AppleTalk network system and TCP/IP protocols
- Supports a variety of leading modems
- Supports a range of network types, including LocalTalk, Ethernet, and Token Ring

Powerful security features

- Allows administrators to select the level of security that's most appropriate for their organization's needs
- Provides you with a secure method of access, whether you're connecting from home or from a hotel outside the country

Flexible client capabilities

- Supports a variety of connections, including cellular and ISDN***
- Works with Apple Remote Access Client version 2.x or 3.x, as well as with any PPP client software for the Mac OS or other operating systems such as Windows or UNIX

**Internet functions require a web browser and an account with an Internet service provider.*

***Includes software for one client. Additional client software must be purchased or licensed separately.*

****ISDN and cellular connections require additional Apple or third-party products.*

The Apple Remote Access Personal Server software includes everything you need to access your Mac OS computer, and AppleTalk or TCP/IP network services, from a remote location. Any computer that supports the industry-standard Point-to-Point Protocol (PPP)—based on the Mac OS, Windows, or Newton system software—can access the server over standard telephone lines. Further, it allows any Mac OS-based computer with Apple Remote Access 2.x or 3.0 client software to connect with another Mac OS computer, or an entire network, using AppleTalk or TCP/IP network services over standard telephone lines. Connections with Apple Remote Access 2.x require an IP gateway to provide access for TCP/IP (Internet) applications. The software takes only minutes to set up and offers powerful capabilities that can help make an individual user or a small workgroup using Mac OS systems even more productive—no matter where they are.

With the Apple Remote Access Personal Server, you can work wherever you like—at home or on the road—and retain access to all of the resources of your office computer or network. AppleTalk and TCP/IP network services can be used simultaneously.

You and your colleagues can view information on a web browser* while printing to a network printer, collaborate on a shared project, or send Internet e-mail while simultaneously accessing a group scheduling system. Yet doing all of this is as simple as if you were working at your office.

Getting started with Apple Remote Access Personal Server is easy. And because the Apple Remote Access Personal Server adjusts automatically to your network, it leaves you free to focus on your own work instead of worrying about the details of networking.

In today's increasingly complex and mobile world, the Apple Remote Access Personal Server provides convenient, direct access to information and resources at a remote location for computer users on the go. So, whether you want to share files with a neighbor or collaborate on a project with colleagues around the world over the Internet,* Apple Remote Access Personal Server can help you get the job done—quickly, easily, and affordably.





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Ordering Information

Apple Remote Access Personal Server

Order No. 409100Z

- Apple Remote Access Personal Server software and installer on CD-ROM
- *Apple Remote Access User's Guide*

Apple Remote Access Client

Order No. 402100Z

Apple Remote Access Client volume licenses

Volume licenses for client software can be licensed for quantities of 25 or more users; consult your authorized Apple reseller or representative for licensing information.

This product is entitled to 90 days' free technical support.**

For more information about this product, or to find out where to buy Apple products—through a reseller or from the Apple Store—visit www.apple.com or call 1-800-538-9696. To order this product from the Apple Software Order Center, call 1-800-293-6617.

Product Details

Modem support and scripts

- Modem scripts for a range of Hayes-compatible modems and ISDN terminal adapters
- Additional scripts may be available; contact your modem manufacturer for more details
- If you understand the Apple Remote Access connection control language scripts (CCLs) and are an experienced programmer, you may be able to write the necessary modem script yourself. This process can be expedited using the Apple Modem Script Generator** (available on the Apple Remote Access Personal Server CD).

Network types supported

- Support for AppleTalk or TCP/IP network; the most common network choices include:
 - LocalTalk
 - Ethernet
 - Token Ring

Compatibility

- Works with any client compatible with Apple Remote Access version 2.x or later
- Works with any PPP dial-in client, including those running on Microsoft Windows, OS/2, UNIX, and many other operating systems
- Supports both AppleTalk and TCP/IP over PPP connections; supports AppleTalk services over Apple Remote Access Protocol (ARAP) connections
- Is Open Transport ready
- Accelerated for Power Macintosh computers; runs native on PowerPC processor-based systems

Connection types supported

- Standard telephone
- Cellular*
- ISDN*

AppleScript support

- Supports AppleScript, the Mac OS systemwide scripting facility that lets you automate remote access connections
- Allows you to initiate a connection, close a connection, check the status of the connection, or save the contents of the log file
- Automates ARAP and PPP connections

Error detection/data compression

- Several built-in components help reduce errors and optimize delivery of data
 - Smart buffering (developed by Apple Computer, Inc.) for data-transfer optimization
 - MNP4, an industry standard for error detection
 - V.42bis, an industry standard for data compression

Security

- User name and password authentication using the Challenge Handshake Authentication Protocol (CHAP) for PPP connections and ARAP authentication for Apple Remote Access Protocol (ARAP) connections
- Callback feature that verifies the user's identity by returning calls to a predetermined phone number
- Activity log for recording calling and answering activities
- User account disabled after seven incorrect password attempts

Specifications

- Maximum number of simultaneous connections: 1
- User name maximum length: 255 characters for PPP, 31 characters for ARAP
- Password maximum length: 255 characters for PPP, 8 characters for ARAP
- Maximum connect time: selectable

Licensing information

- Comes with license to copy and install the Apple Remote Access Personal Server software for your own use on up to two Apple computers owned and/or operated by you
- Additional client software must be purchased or licensed separately; consult your authorized reseller or representative for information

System requirements

- An Apple Macintosh or other Mac OS-based computer with at least 8MB of RAM
- Mac OS version 7.1, 7.1.1, 7.1.2, 7.5.3, or later (version 7.5.3 or later required for PowerPC processor-based computers)
- Open Transport 1.1.1 or later
- A Hayes-compatible modem (9600 bps minimum; 14.4 Kbps or faster recommended)
- For additional clients, Apple Remote Access Client software version 2.0 or 3.0, or any PPP client software running on Mac OS, Windows, UNIX, and other computers. The client must support the AppleTalk Control Protocol (ATCP) to access AppleTalk services. It must support the Internet Protocol Control Protocol (IPCP) to access TCP/IP services.
- CD-ROM drive

Internet standards supported

- The Point-to-Point Protocol (PPP) (RFC 1661)
- PPP in HDLC-like Framing (RFC 1662)
- PPP LCP Extensions (RFC 1570)
- PPP Authentication Protocols (RFC 1334)
- PPP Reliable Transmission (RFC 1663)
- The PPP AppleTalk Control Protocol (ATCP) (RFC 1378)
- The PPP Internet Protocol Control Protocol (IPCP) (RFC 1332)

*ISDN and cellular connections require additional Apple or third-party products.

**Technical support is not provided for Apple Modem Script Generator.

***Technical support entitlement is subject to change without notice.

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