



# Tech Info Library

## ARA 2.0.1 Personal Server: Specifications (5/94)

Revised: 5/2/94  
Security: Everyone

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TOPIC -----

This article provides technical specifications and order information on Apple Remote Access (ARA) 2.0.1 Personal Server.

DISCUSSION -----

### Technical Specifications

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#### Modem support and scripts

- Supports any Hayes-compatible 2,400-bps, 9,600-bps, or higher-speed modem with the appropriate script. Modem scripts for many popular modems are included:
  - V.32bis modems (14,400 bps): Apple Express Modem, Global Village PowerPort Gold, Global Village TelePort Gold, Hayes Optima 144, Microcom QX4232bis, Prometheus ProModem 144e, PSI Powermodem IV, Supra SupraFax v.32bis, Telebit T3000, Telebit WorldBlazer
  - V.32 modems (9,600 bps): Global Village PowerPort Silver, Global Village TelePort Silver, Prometheus Promodem 96, PSI Powermodem III, Supra SupraFax Modem Plus, Telebit QBlazer, Telebit T1600, US Robotics Sportster, US Robotics Worldport
  - V.22bis modems (2,400 bps): Apple 2400, Global Village PowerPort Bronze, Global Village TelePort Bronze, Hayes Optima 2400, Microcom AX 2400C, Prometheus Promodem 24, PSI PowerModem II
- Cellular Support: Applied Engineering DataLink PB and Applied Engineering Axcell Cellular Interface, Microcom Cellular Data Link 300
- ISDN support: Hayes ISDN adapter
- Additional scripts may be available. Contact an authorized Apple reseller or representative or your modem manufacturer for more details.
- If you understand connection control languages (CCLs) and are an experienced programmer, you may be able to write the necessary modem script yourself. The Apple Remote Access Modem Toolkit (see ordering information) includes everything you need to write these scripts.

#### Network types supported

- Support for any AppleTalk network; the most common network choices include:
  - LocalTalk
  - Ethernet
  - Token Ring

#### Connection types supported

- Standard telephone\*
- Cellular\*
- ISDN\*

#### Error detection/Data compression

- Includes several built-in components that allow for error-free and optimized delivery of data
  - Smart buffering (developed by Apple Computer, Inc.) for data-transfer optimization
  - MNP, an industry standard for error detection
  - V.42bis, an industry standard for data compression

#### Performance

Spreadsheets, text, and files with redundant data can be compressed more efficiently than certain other files (such as programs) and can therefore be transferred at much higher rates.

#### Security

- User name and password authentication
- 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: 31 characters
- Password maximum length: 8 characters
- Maximum connect time: selectable
- Total number of user records: 100
- Maximum number of activity log entries: 1,000

#### 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 Apple reseller or representative for information.

#### Operating requirements

- A Macintosh computer with at least 4MB of RAM, a Power Macintosh computer, or Workgroup Server
- A hard disk drive
- Macintosh system software version 7.0 or later
- An Apple or other Hayes-compatible modem (2,400 bps minimum; 9,600 bps or

higher speed recommended) and appropriate modem cable, if needed

- Apple Remote Access Client for Macintosh version 2.0

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

#### Ordering Information

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Apple Remote Access Personal Server for Macintosh

Order No. M2726Z/B

- Apple Remote Access Personal Server software and installer
- Apple Remote Access Personal Server for Macintosh User's Guide
- Apple Remote Access DialAssist quick reference card

Apple Remote Access Client for Macintosh (single-pack)

Order No. M5227Z/B

Apple Remote Access Client for Macintosh 10-Pack

Order No. M2692Z/B

Apple Remote Access Personal Server for Macintosh (Volume Licensing)

Personal Server software can be volume licensed separately for quantities of 50 or more users: consult your authorized Apple reseller or representative for purchasing information.

Apple Remote Access Modem Toolkit version 2.0

Order No. R0129LL/C

This product is available from APDA.

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