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Apple Remote Access 2.0.1 Personal Server: Read Me File (5/94)

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TOPIC -----

This article is the Read Me file for Apple Remote Access 2.0.1 Personal Server.

DISCUSSION -----

APPLE REMOTE ACCESS PERSONAL SERVER FOR MACINTOSH READ ME
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This document provides late-breaking news about the Apple Remote Access Personal Server that is not covered in the "Apple Remote Access Personal Server User's Guide." You may need to refer to that guide to understand the use of several terms in this document, and you may want to print this document to keep with your user's guide.

Modems Supported by the Apple Remote Access Personal Server
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Scripts that support most popular modems are provided on the Remote Access Personal Server installation disks. The majority of these scripts are supplied in all countries in which the Remote Access Personal Server is sold. Additional scripts are also provided for a number of countries to meet the particular needs of those communications environments. The scripts include:

All countries

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 WorldBlazer

V.32 modems (9600 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

V.22bis modems (2400 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

Czechoslovakia

CZ Sample Script • Apple 2400

Germany

57,600 bps:

Andante EAZ0 v2 (V.24 ISDN Adapter)
Andante EAZ1 v2
Andante EAZ2 v2
Andante EAZ3 v2
Andante EAZ4 v2
Andante EAZ5 v2
Andante EAZ6 v2
Andante EAZ7 v2
Andante EAZ8 v2
Andante EAZ9 v2

25,000 bps:

Motorola 326x (Fast) v2

19,200 bps:

MDG 19K2-31 v2
MDG 14MX-22 v2

14,400 bps:

euroScout v2
Express Modem 14400 v2
Global Village Test v2

PriCom 14.4 v2
TELEJET 14400 v2

9600 bps:

CN-3532 SA Plus v2
CN-3532 SA v2
FURY 9600 TI v2
MicroLink 9624 v2

2400 bps:

Apple PowerBook/Portable v2
CN-3522 SA Plus v2
CTK EuroCoupler Akustikk. v2
CTK EuroCoupler Modem v2
Dialog 2400 MNP v2
FURY 2400 TI v2
GVC SuperModem 2400 MNP v2
GVC SuperModem 2400 v2
MAKK-CHAMPION Akustikk. v2
MAKK-CHAMPION Modem v2
MDG 2400-11 v2
MDG 2400-21 v2
MicroLink 2410 v.2
Personal Line 2400 MNP v2
TELEJET 2400 v2
Worldport 2400 MNP v2

Switzerland

19,200 bps:

ZyXEL U-1496

9600 bps:

FURY 9600 TI v2
NOKIA PMD 9600

NOTE: You can delete any unneeded scripts from your Extensions folder,
which is located inside your System Folder. To recognize scripts,
look for files listed as "Modem Link Tool Personal documents."

Using AppleTalk Remote Access Version 1.0 or Apple Remote Access MultiPort
Server Modem Scripts With the Apple Remote Access Personal Server

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You can use modem scripts included with the Apple Remote Access MultiPort
Server with the Apple Remote Access Personal Server. You can also use
AppleTalk Remote Access version 1.0 modem scripts with Apple Remote Access
Personal Server, but certain new features, such as Ignore Dial Tone, Manual
Dialing, and MNP 10 support, won't be available. You cannot use Apple
Remote Access Personal Server modem scripts with AppleTalk Remote Access
version 1.0.

Calling an AppleTalk Remote Access Version 1.0 Server

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The AppleTalk Remote Access 1.0 Compatibility option allows you to call a version 1.0 server and to receive callbacks from a 1.0 server (with version 2.0.1 you do not have to check the compatibility box as described in Chapter 3 of the "Apple Remote Access Personal Server for Macintosh User's Guide"). However, the Compatibility option does NOT allow an Apple Remote Access Personal Server to receive calls from an AppleTalk Remote Access 1.0 client. The Apple Remote Access Personal Server can only receive calls from version 2.0 Apple Remote Access Clients.

Using an MNP 10 Modem

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MNP 10 is an error-correction protocol that allows for more reliable data connections over cellular modems. Clicking the "Use MNP 10 error correction in modem" checkbox puts MNP 10 modems into cellular mode. Although MNP 10 is designed primarily for cellular modems, some users have found that it can also improve performance of conventional land lines. Do not click the "Use MNP 10 error correction in modem" checkbox to use MNP 10 over land lines rather than over a cellular link.

To establish an MNP 10 connection, both your modem and the modem you're calling must support MNP 10; clicking the "Use MNP 10 error correction in modem" checkbox in the Remote Access Setup window is not by itself sufficient to establish an MNP 10 connection.

Using Aliases With Apple Remote Access

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To create an alias over an Apple Remote Access connection:

1. Select the alias icon.
2. Choose Get Info from the File menu.
3. Click the Locked checkbox.

If you don't lock the alias, the alias may accidentally be converted to call the wrong Apple Remote Access server or to access services across your local network.

Using the Manual Dialing Feature

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Establishing a Remote Access connection with manual dialing varies according to the type of modem you are using. To ensure that you can make a connection while using Manual Dialing, you may need to experiment with pressing the Connect button slightly before or after you hear the remote modem answer the phone.

Using the Redialing Feature

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Remote Access Client attempts redialing only when the phone number that has been

dialed is busy. If the connection attempt fails for any other reason, Remote Access stops redialing so that you can correct any problems.

With the Redialing option, set the "Time between retries" number to five seconds or greater. Anything less than five seconds may not give your modem sufficient time to reset, so the serial port will be busy and unavailable for redialing.

With the Redialing Alternate Number option, the main number is dialed once before the redialing sequence is initiated. The redialing sequence then alternates between the main and alternate numbers.

Using DialAssist =====

If you are calling within a country with no city or area codes, and you encounter problems using DialAssist, try entering a space in the "Connect To City/Area Code" box in your connection document.

Serial Port Arbitration =====

When a Remote Access connection is established, Remote Access prevents other application programs from using the serial port selected in the Remote Access Setup control panel. Most programs will inform you that the port is in use.

If your Macintosh is set up to answer calls (the "Answer calls" checkbox in the Remote Access Setup control panel is selected), other programs are allowed to use the serial port. When the port is free, Remote Access once again enables your Macintosh to answer calls.

Remote Access Personal Server provides this port arbitration through a system extension called the Serial Port Arbitrator located in the Extensions folder. Some programs that use the serial port may not be compatible with this extension. If you suspect that a program is not compatible with the Serial Port Arbitrator:

1. Remove the Serial Port Arbitrator file from the Extensions folder.
2. Restart your Macintosh.
3. Try the program again.

NOTE: The Serial Port Arbitrator will not work on a Macintosh if Remote Access Personal Server has not been installed.

Macintosh Computers Using Virtual Memory =====

If you are using a Macintosh IIfx, Macintosh Quadra 900, or Macintosh Quadra 950 and have virtual memory turned on:

1. If necessary, install the Serial Switch control panel from the "Install 2" disk.
2. Open the Serial Switch control panel.
3. Set the serial port setting to Compatible.

Modem Cable Requirements

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Most modems require a cable that supports the data terminal ready (DTR) signal. In addition, certain modems require a cable that supports CTS/RTS hardware flow control. To support DTR, the cable must connect pin 20 on the DB-25 connector to pin 1 on the Mini DIN-8. To support CTS/RTS, the cable must connect pin 5 on the DB-25 connector to pin 2 on the Mini DIN-8 and pin 4 on the DB-25 connector to pin 1 on the Mini DIN-8. See your modem vendor or Apple-authorized dealer to obtain the necessary cable.

Using Express Modem or GeoPort

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If you are using Express Modem software with either an Express Modem or a GeoPort telephone pod, you must turn on 32-bit addressing in the Memory Control Panel. Using 24-bit addressing may result in a software crash.

Before changing modem scripts or before switching selected ports with either an Express Modem or a GeoPort telephone pod, be sure to deselect the "Answer Calls" checkbox in the Remote Access Setup control panel.

Support Information Services

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