AppleTalk Remote Access: Using Long Phone Numbers

Article Created: 11 June 1992
Article Last Reviewed:
Article Last Updated:

TOPIC ---

I need to allow about 40-50 digits in the AppleTalk Remote Access dial
string to use the corporate phone network.

DISCUSSION --

Remote Access can accommodate a phone number up to 128 characters. The
real limitation lies in a modem's command buffer, which is typically 30
characters. Keep in mind that the modem command to dial (ATDT) takes up 4
of those characters; so the maximum length for a phone number is actually
26.

The workaround is to break the long phone number into two parts. Hard code
the first part within the modem script. Users enter the second part as they
would normally enter a phone number.

Most modems support the ";" command, which tells the modem to return to
local command state after dialing. This allows the modem to dial the first
part of the phone number, go back to command state, then dial the
second part of the phone number.

To do this, you need to modify the Remote Access modem script and add the
following two lines:

```
  write "ATDTxxx...xxx;\13"
  pause 80
```

"xxx...xxx" indicates the first part of the phone number, and can be up to
26 characters. "pause 80" tells Remote Access to wait 8 seconds before
continuing. This gives the modem time to complete the first dial command.
You may need to modify this value for your particular modem. The Apple
Data Modem 2400 takes about 8 seconds to dial a 26-character phone number.

Here's an example of the Apple Modem 2400 modem script with the
modification:

```
!
! The modem is ready so enable answering, or originate a call
!
@LABEL 8
pause 5
ifANSWER 30
note "Dialing ^1" 3
write "ATDTxxx...xxx;\13"
pause 80
write "ATDT^1\13"
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```

Keywords: <None>

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19960215 11:05:19.00

Tech Info Library Article Number: 10323