Contents

Overview

Phone Dialer: The Phone Dialer allows you dial phone numbers from your computer using your modem.

Phone Dialer Setup: This dialog box is used to set the modems Com port and other settings.

Call Timer: This feature allows you to time the length of your phone calls.

Help Menu

Contents: Displays the contents of this help file.

Search for Help On: Allows you to search for help on a topic.

Help on Help: Displays the Windows help on help file.

About: Displays copyright and version information.

Registration

For complete information on registration, support, license agreement, Disclaimer of Warranty, Shareware and other important topics, read the help file for <u>Setup and Registration.</u>

ASCII

American Standard Code for Information Interchange.

ANSI

American National Standards Institute.

File Menu

Call Timer: Displays the <u>Call Timer</u>

Number List: Displays a list of the most recently dialed numbers.

Exit: Exits the program.

Options Menu

Settings: Displays the Phone Dialer Setup dialog box.

Phone Dialer

Allows you to dial phone numbers with your modem.   To setup this program to work with your modem you may need to change the modem settings by clicking on the Settings button which displays the <u>Phone Dialer Setup</u> window.

To dial a number you can use your mouse to click on the number buttons, or you can type in the number directly.

After the number to be dialed has been entered, press the Dial Phone button to send the dial string to your modem.   Once the number has been dialed pick up your phones receiver and click on the "Modem Off" button.

A history of the numbers that you have dialed can be viewed by clicking the "List" button.   This displays the Number List window, from this window you can load a number into the Phone Dialer to be dialed again.

One related option is the <u>Call Timer</u> which allows you to time the length of your phone calls.   To display the Call Timer window, just click on the Timer button.

Valid Dialing Characters:

0 1 2 3 4 5 6 7 8 9 * # a b c d
The numbers zero through nine, the lower case letters a through d, the asterisk and the pound sign are dialed as normally expected.   The 0-9, * and # signs are the characters on a standard touch tone phone.   the a-d characters are the forth row of <u>DTMF</u> tones not available on a standard phone, although they are supported by most modems.   *, #, and a-d are ignored when using pulse dialing.

The comma is used to pause between numbers.   The length of the pause is normally determined by the S8 register on the modem.

The exclamation point is used for Hook Flash.

The capital letters A through Y dial the numbers on their keypads.   For example if you saw an ad for shoes that listed the number 1-800-New-Shoe, you could type in 1-800-NEW-SHOE to respond to the ad.

Phone Dialer Setup

Use this option to specify modem settings to be used with the Phone Dialer.   The settings possible are: Com Port, Parity, Stop Bits, Baud Rate, Data Bits, Dial String, Hangup String and Dial Prefix.   Normally the phone dialer will work with the default settings as long as the correct Com Port is selected.   The Dial Prefix is used to add numbers that are always dialed before the phone number, such as dialing 9 to get an outside line.   The other settings are provided in case your modem does not support the default settings.

Note: The Dial String and the Hangup String are made up of common AT Commands.   For more information consult your modem manual.

Call Timer

Use the Call Timer to time the length of your phone calls.   Select the Auto Start check box to have the timer start automatically when a number is dialed with the Phone Dialer.   Click on the Start/Stop button to Start or Stop the timer.   Two time displays are provided to keep track of elapsed time: "Call Time" & "Total Time".   Each one has its own reset button.   If the Call Timer is minimized while running it will display the Total Time as its caption.

AT Commands

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+++  Escape Code (Go to command mode)

AT   Attention (command prefix)

A    Answer
       For responses, see Modem Responses at the end of this list.

A/   Repeat last command line.  (Used for redial.)

B    Protocol Selection
       Command  Description
       B0       CCITT V.22bis @ 1200 bps, V.21 @ 300 bps.
       B1       Bell 212A/103  (Default)
       B2       CCITT V.23

D    Dial
       For responses, see Modem Responses at the end of this list.

       Modifier  Description
       0-9       Phone numbers to be dialed.
       A-D # *   Access codes.
       P         Pulse dialing.
       T         Tone Dialing.  (Default)
       ,         Pause. (Default of 2 seconds, set with S8 register.)
       !         Hookflash.
       @         Wait for silence.
       W         Wait for dial tone.
       R         Reverse mode for calling an originate-only modem.
       ;         Return to command state after dialing.
       /         Pause for approx. 1/8 second.
       S=n       Dial number stored in memory at address n.

E    Echo
       Command  Description
       E0       No character echo in command state.
       E1       Characters are echoed in command state. (Default)

F    Duplex mode
       Command  Description
       F0       Half Duplex.  Check your modem manual.
       F1       Full Duplex.  Check your modem manual.

H    Hook
       Command  Description
       H0       On-hook, (hang up). (Default)
       H1       Off-hook.

I    Inquiry (Status)
       Command  Description
       I0       Display the 3 digit product identification code.
       I1       Display the 3 digit ROM firmware checksum.
       I2 & up  Vary with different modems, check your manual for spec.

L    Speaker Volume
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          Command  Description
          L0 & up  Low to high, not supported on all modems.

M    Speaker Control
          Command  Description
          M0       Speaker off.
          M1       Speaker is on until carrier detect, then off. (Default)
          M2       Speaker is always on.
          M3       Speaker is on until carrier detect, except when dialing.

O    Online
          Command  Description
          O0       Go to the online state.  (Default)
          O1       Go to the online state, adjust to line conditions.

P    Pulse Dialing

Q    Quiet Mode
          Command  Description
          Q0       Display command responses. (Default)
          Q1       Do not display command responses.

S    S registers
          Command  Description
          Sr=n     Set register r to the value n.
          Sr?      Display the value in register r.

          S Reg  Description
          S0     Number of Rings before auto-answer.
          S1     Ring count.
          S2     ASCII value of the escape character, default 43 (+).
          S3     ASCII value of the Carriage Return character, default 13.
          S4     ASCII value of the Line Feed character, default 10.
          S5     ASCII value of the Backspace character, default 08.
          S6     Wait time for dial tone in seconds, when blind dialing, default
2.
          S7     Wait time for carrier in seconds, default 30.
          S8     Pause time for comma in seconds, default 2.
          S9     Time in 1/10 seconds that a carrier must be present before
carrier detect, default 6.
          S10    Time in 1/10 seconds that a carrier must be absent before
disconnect, default 7-14.
          S11    Tone dialing speed in milliseconds (spacing and duration),
default 70-95.
          S12    Escape guard time in 1/50 seconds (preceding & following
escape), default 50.
          S13+   Differs between vendors, check your modem manual.

T    Tone Dialing

V    Response Mode
          Command  Description
          V0       Response codes in numeric format.
          V1       Response codes as words. (Default)

X    Response Levels
          Command  Description
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        X0        Minimum number of responses used.
        X1        X0 plus CONNECT 1200 & CONNECT 2400.  No wait for dial tone.
        X2        X1 plus NO DIAL TONE.  Waits for dial tone before dialing.
        X3        X1 plus BUSY & NO ANSWER.  No wait for dial tone.
        X4        X3 plus NO DIAL TONE.  Waits for dial tone.  (Default)


Y     Long Space Disconnect
        Command   Description
        Y0        Long space disconnect off, no break signals. (Default)
        Y1        Long space disconnect on.


Z     Modem Reset
        Command   Description
        Z0        Clear all, hang up and use Profile 0.
        Z1        Clear all, hang up and use Profile 1.


&C    Data Carrier Detect
        Command   Description
        &C0       DCD always active.
        &C1       DCD active only when carrier is present. (Default)


&D    Data Terminal Ready
        Command   Description
        &D0       The modem ignores DTR signal.
        &D1       The modem goes to command state when DTR goes inactive.
        &D2       Same as &D1, plus modem hangs up if on line. (Default)
        &D3       Clear all when DTR goes inactive.


&F    Change to factory settings.


&G    Guard Tones
        Command   Description
        &G0       No Guard Tone. (Default)
        &G1       Use 550 Hz guard tone.
        &G2       Use 1800 Hz Guard tone.


&J    RJ-11 Select
        Command   Description
        &J0       RJ11 type phone jack.
        &J1       RJ12 type phone jack.


&L    Line Type
        Command   Description
        &L0       Setting for dial-up phone line. (Default)
        &L1       Setting for leased line.


&P    Pulse Setting
        Command   Description
        &P0       Pulse dial make/break ratio = 39:61, North America. (Default)
        &P1       Pulse dial make/break ratio = 33:67, UK & HK.
        &P2 & up Check your modem manual.


&S    Data Set Ready
        Command   Description
        &S0       DSR always active. (Default)
        &S1       DSR active when answer tone detected or sent.
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&T    Test Modem
        Command  Description
        &T1       Local analog loopback test.
        &T3       Local digital loopback test.
        &T4       Remote modem digital loopback test enabled.
        &T5       Remote modem digital loopback test disabled.
        &T6       Start a remote digital loopback test.
        &T7       Start a remote digital loopback test and self-test.
        &T8 & up Check your modem manual.

&W    Save Configuration Profile
        Command  Description
        &W0       Save current configuration profile as profile 0.
        &W1       Save current configuration profile as profile 1.

&Y    Select Active Profile
        Command  Description
        &Y0       Use profile 0 after power up. (Default)
        &Y1       Use profile 1 after power up.

&Z    Store Phone Number
        Command  Description
        &Zn=p     Store the phone number p at location n (range of n = 0 to 3)


Modem Responses
    #         Word
    0         OK
    1         CONNECT
    2         RING
    3         NO CARRIER
    4         ERROR
    5         CONNECT 1200
    6         NO DIAL TONE
    7         BUSY
    8         NO ANSWER
    10        CONNECT 2400
    11 & up   Check your modem manual.
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***** NOTE: The information in this AT command listing was checked with
several modem vendors manuals.   Variations are possible depending on the
brand and model of your modem.   This listing is intended for a quick check
of commands only.   For any critical applications (or if you experience any
unexpected effects) you should consult your modems manual.   Also most
modems will have many more commands available that are unique to each.

DTMF

Dual-tone Multifrequency (Touch Tones)