Help Index

This index lists all Help topics available for WInComm.   Use the scroll bar to see entries not currently visible in the Help Window.

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WinComm Keys

Use the following keys to control operations in WinComm.

Function	Keys
Break on Comm Channel	Ctrl+Shift+Break
Capture on and off	Alt+c
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Function key with and without Ctrl key	Alt+t
Edit Commands	Alt+e
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WinComm Commands

<u>**Edit Menu**</u>
   Copy Text
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<u>**File Menu**</u>
   New Session
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   Receive ASCII
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   Exit

<u>**Macro Menu**</u>
   Run
   Files
   Start/Stop Recorder

<u>**System Menu**</u>
   Defaults
   Monitor

File Menu Commands

Use the scroll bar to see more commands.

New Session
Opens the Session Editor with the default session settings to allow creation of a new session file.

> Related Topics
> Using the Session Editor

Open Session
Opens a session file for connection to a host system.

> Related Topics
> Opening a session file

Edit Session
Opens the Session Editor with the default session settings or the session file currently opened in WinComm.

> Related Topics
> Using the Session Editor

Start Session
Makes a connection to the host system using the parameters in the currently loaded session file.

> Related Topics
> Starting a session, making a connection
> Using the WinComm Command bar

Send File "Selected Protocol"
Allows the operator to select a file, and prepares WinComm for sending (uploading) the file using an error correcting protocol.   If the protocol selected is one that is host activated such as Compuserve B Plus this menu will not need to be selected as the file transfer will begin automatically.

> Related Topics
> Sending a file using a protocol

Receive File "Selected Protocol"
Allows the operator to name a file, and prepares WinComm for receiving (downloading) the file using an error correcting protocol.   If the protocol selected is one that is host activated such as Compuserve B Plus this menu will not need to be selected as the file transfer will begin automatically.

> Related Topics
> Receiving a file using a protocol

Change Protocol
Allows changing of the currently selected file transfer protocol.

Send ASCII
Allows the operator to select a file, and prepares WinComm for sending (uploading) a text

file.

Related Topics
<u>Sending a, ASCII file</u>

Receive ASCII
Prepares WinComm for receiving (downloading)   a text file.

Related Topics
<u>Receiving an ASCII file</u>

Printer Setup
Selects printer and sets printer options before printing.

Related Topics
<u>Printing</u>
<u>Selecting a system printer</u>
<u>Setting up the printer</u>

Playback File
Displays a text file in the WinComm text area as if it were being received very fast on the communication port.

Related Topics
<u>Replaying a file</u>

Exit
Closes WinComm and if connected will ask before disconnecting.

Edit Menu Commands

Use the scroll bar to see more commands.

Copy Text
Places the marked text in the Windows Clipboard.
To mark text, check the Pause box on the WinComm Command bar and click+drag to select the text you wish to place in the clipboard and select Copy|Text.

> Related Topics
> Using the Mouse

Paste Text
Places the text contents of the Windows Clipboard beginning at the position of the cursor and transmits the text over the communication port if connected.

Buffer to Capture
Stores the contents of the display buffer in the session specified capture file.

> Related Topics
> Terminal Session Parameter Settings for naming the capture file.
> Display Settings for setting the size of the display buffer.

Buffer to File
Stores the contents of the display buffer in a file name specified when this command is selected.

Buffer to Printer
Sends the contents of the display buffer to the selected system printer.

> Related Topics
> Printing
> Selecting a system printer
> Setting up the printer

Clear Screen
Clears the WinComm Text Area and empties the display buffer.

System Menu Commands

Use the scroll bar to see more commands.

Defaults
Sets the system defaults which include the following:
1. Paths for files associated with WinComm.
    Macro
    Session
    Downloaded files
    Capture files
2. Protocol transfer timing
3. Duplicate file name handling

    Related Topics
    Setting the WinComm system defaults

Monitor
Opens the WinComm diagnostic monitor for the communication port.

    Related Topics
    Using the WinComm Monitor

Macro Menu Commands

Use the scroll bar to see more commands.

Run
Runs a compiled macro file.

Related Topics
Running a compiled macro

Files
Allows selection of macro source code for editing and compiling.

Related Topics
Compiling a macro source file
Editing a macro source file

Record
Records macro source code during an on-line session for automating the session.

Related Topics
Recording a Macro

WinComm Procedures

Sending and receiving files
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Session Editor

The Session Editor is used to create and edit Session files which WinComm uses to make a connection.   3 types of Session files are created depending on the way you want WinComm to operate.

Terminal Session

The following views are available in the option edit window of the Session Editor to allow settings for a terminal session.

Terminal Session Parameters
Comm. Port Settings
Modem Settings
Terminal Settings
Capture File Settings
ASCII Send Settings
Function Key Settings
Display Settings

PC to PC Session

The following views are available in the option edit window of the Session Editor to allow settings for a PC to PC session.

Session
Comm. Port
Modem

Phone Session

The following views are available in the option edit window of the Session Editor to allow settings for a phone session.

Session
Comm. Port
Modem

WinComm Terminal Session

A terminal session privides the typical communication program features which include terminal emulation, protocol file transfers, and control ot the computers comm port and modem.   Use the terminal session type when you want to connect to a host computer system either through a modem or directly connected.

WinComm PC to PC Session

The WinComm PC to PC session works with WinLink which is installed in a slave computer and is used to transfer files between the two computers.   The computers can be directly connected or connected through a modem.

WinComm Phone Session

The WinComm Phone session provides a convienent way to store names, company names, and telephone numbers for use as an autodialer.

Terminal Session Parameters

This is the default window in the session editor for a Terminal Session.   By entering the data here and in the Quick Setup area WinComm can usually go on line immediately.   After setting the port, terminal and modem enter your Password the Telephone, User, and Net ID numbers if required and select one of the provided log on Macros.   Save & Exit, open the session file just created and start it.

Terminal Session Parameters-Dial:
Terminal Session Parameters-Redial Command
Terminal Session Parameters-Password:
Terminal Session Parameters-User ID:
Terminal Session Parameters-Net ID:
Terminal Session Parameters-Capture File:
Terminal Session Parameters-Macro:
Terminal Session Parameters-Connect on Open
Terminal Session Parameters-Set Defaults

Comm Port Settings

The Communication Settings option edit window will give you additional control of your computers comm port settings.   Typically the default settings can be used with most services.   The most often changed parameters here might be 7 bit Word Length and Even Parity as these settings are used by some networks.   Check with your service or network manager to see if any changes need to be made here.

Communications Settings-Word Length:
Communications Settings-Stop Bits:
Communications Settings-Parity:
Communications Settings-Comm Buffer:
Communications Settings-Handshake:

Modem Settings

This window in the session editor provides WinComm with the information it needs to communicate with your modem.   The values displayed here are set by the type of modem you selected in the Quick Setup area.   Typically no changes will need to be made although the flexibility of changing any of these settings is provided by WinComm.   If any changes are made in any of these fields the Custom modem type will be selected in the Quick Setup area.   If you encounter problems or cannot find your modem in the list select a Hayes modem with the correct baud rate or refer to the help topic and manual for the codes required for each setting and create a custom modem type for the modem you have.

Modem Settings-Initialization
Modem Settings-Active DCD
Modem Settings-Ignore DTR
Modem Settings-Disconnect
Modem Settings-Error Free Init
Modem Settings-Answer Mode
Modem Settings-Speaker Volume
Modem Settings-Speaker Control
Modem Settings-Dial String
Modem Settings-Dial Suffix
Modem Settings-OK
Modem Settings-Busy
Modem Settings-Error
Modem Settings-No Dial Tone
Modem Settings-Normal Baud rate Connect codes
Modem Settings-Error Free Baud rate Connect codes
Modem Settings-Fix Comm Port Baud Rate
Modem Settings-Skip Unused

Terminal Settings

The Terminal Setup view in the session editor allows you to change the way some incoming characters are handled that modify the operation of the selected terminal emulation.   Local character echo and answerback message can also be set in this view.

Terminal-Setup-Local Echo
Terminal-Remove ANSI Escapes
Terminal-No Graphic Characters
Terminal-132 Columns
Terminal-Auto Wraparound
Terminal-Force CR on LF
Terminal-Force LF on CR
Terminal-Non-Destruct Backspace
Terminal-Answerback
Terminal-Keyboard Mapping
Terminal-Discard Before Display

Capture File Settings

The capture file settings view in the session editor allows you to establish how you want to capture the characters received on the communication port.   The "filter" can be used to remove any non-printing ASCII characters having a value in the range 0 through 31.   It can be used to remove tab characters, form feeds, etc.   Check the box of the characters you want removed before capturing.   ANSII escapes are the control codes that position and control the appearance of characters on the screen when using a terminal emulation that supports the escapes.   Check this box if you want to remove these sequences.   When using an OEM font in Windows (Terminal for example) all ASCII codes above 128 display a graphic character--lines, shaded blocks, and special characters.   Checking this box strips the 8 bit thus converting these characters to normal printing ASCII characters.   String ID:11

ASCII Send Settings

The ASCII Send Settings view in the session editor allows you to adjust the way WinComm sends ASCII text using the File|Send ASCII menu option.   The []Discard Carriage Returns and []Discard Line Feeds check boxes allow you to remove these characters if the host to which you are sending the file requires this.   The timing between lines and characters can be adjusted based on time or receiving characters back from the host.   The Wait Between Lines for Received Characters check and edit boxes allow you to specify which characters WinComm should receive before WinComm sends the next line.   The Wait Between Characters for Received Character expects the transmitted character to be received before transmitting the next.

Function Key Settings

The function key settings view in the session editor allows you to assign text to be transmitted or a Macro to run when a function key is pressed.   The on screen text display of each function key is also assigned here.   There are 16 keys that can have text or macros assigned to them, Function Key 2 through Function Key 9, with and without the Ctrl key.   A check in the Macro checkbox indicates that the Macro file name in the Text field should be run when the function key is pressed, if unchecked the text in the field will be transmitted. The text typed in the Label field will appear on screen representing that function key.   The function key display can be controlled in the Display Settings view of the option edit display. String ID:32-47

Display Settings

The display settings view in the session editor allows setting of the way the WinComm display will appear and other operational parameters.

Display Settings-Font and Size
Display Settings-Color
Display Settings-Hide Password
Display Settings-Show Function Keys
Display Settings-One Character Double Left Click
Display Settings-Tab Stops
Display Settings-Screen Scroll Buffer

Capture File

The capture file is a disk file that will contain all characters received on the communication port and typed on the keyboard if capture is turned on.   The capture file name and its operation are   established in the Terminal session parameter view of the session editor.

Session Editor

The Session Editor is used to establish and save as well as edit all information WinComm needs to make a connection.

Session Files

Session Files are created and modified using the Session Editor.   They contain all information WinComm need to make a connection.   They have a WSF extension.

File Transfer Protocol
A file transfer protocol is a term used to describe several techniques used to transfer files between computers error free.

Display Buffer

The display buffer contains from one   to nine pages of text that have scrolled off the top of the screen.   These pages can be reviewed by checking the Pause control on the command bar and suing the vertical scroll bar .   The size of the scroll buffer is set in the display view of the Session Editor.

Terminal Session Parameters-Dial:

Enter the telephone number of the service you want to dial when using this Session File.
String ID:2

Terminal Session Parameters-Redial Command

When Checked WinComm will redial the telephone number in the Dial: edit box after the number of seconds given in the Seconds edit box.   If unsuccessful in making a connection the redial attempt will be repeated the number of times in the Attempts edit box.   Redial Integer ID:8, Seconds Integer ID:9, Attempts Integer ID:10

Terminal Session Parameters-Password:

This edit box is used to input the Session Variable for Password. It is used by a Macro program to automate the log on process for an on-line data service. Enter the password you received when you subscribed to the service. String ID:1

Terminal Session Parameters-User ID:

This edit box is used to input the Session Variable for User ID.   It is used by a Macro program to automate the log on process for an on-line data service.   Enter the User ID you received when you subscribed to the service.   String ID:4

Terminal Session Parameters-Net ID:

This edit box is used to input the Session Variable for Net ID.   It is used by a Macro program to automate the log on process for an on-line data service.   Enter the Net ID you received when you subscribed to the service.   String ID:5

Terminal Session Parameters-Capture File:

The Capture File is the name of the file that will contain all text received and typed while on line if the capture is active.   The capture is active when Capture is checked on the WinComm Command line.   The []ON check box if checked will activate the capture when WinComm goes on line.   The []Append if checked will add to the file, otherwise each time WinComm goes on line the file will be started over.   If [] Query is checked WinComm will display a dialog box asking for the name of the capture file.   The three check boxes can be used in any combination to obtain the type capture operation you desire.   Capture File String ID:6, On Integer ID:11, Append Integer ID:12 Query Integer ID:13

Terminal Session Parameters-Macro:

The Macro: edit box should contain the name of the compiled Macro file you wish to run during this session.   A list box is provided which lists the names of all the compiled Macro files that are available in the default Macro file directory.   You can click on the file name in the list box to select the Macro you wish to use.   If []Autorun is checked the selected Macro will start running when this Session is opened.   Otherwise the Macro can be started as well as stopped by checking Macro on the WinComm Command line or by using the Macro|Run menu item.   Macro String ID:7, Autorun Integer ID:14

Terminal Session Parameters-Connect on Open

This box if checked will cause WinComm to attempt to make a connection using the parameters in this session as soon as the file is opened.   Otherwise the Session can be started as well as stopped by checking Start on the WinComm Command line or by using the File|Session Start/Stop Command Bar item.   Integer ID:15

Terminal Session Parameters-Set Defaults

When selected WinComm will establish all Session defaults.   This is useful when starting a new Session File.

Communications Settings-Word Length:

This selection sets the number of data bits to be used by the communication port shown in the Quick Setup area of the Session Editor.   Typically it is set to 7 or 8, the default is 8.
Integer ID:54

Communications Settings-Stop Bits:

This selection sets the number of stop bits to be used by the communication port shown in the Quick Setup area of the Session Editor.   Typically it is set to 1, the default is 1.   Integer ID:55

Communications Settings-Parity:

This selection sets the Parity to be used by the communication port shown in the Quick Setup area of the Session Editor.   Typically it is set to even for 7 bits per word or none for 8 bits per word, the default is none.   Integer ID:56

Communications Settings-Comm Buffer:

The communication buffer is the amount memory Windows sets aside to use for data transmitted and received through the communication port.   WinComm displays the data in the buffer on the screen or writes it to a file during a file transfer.   The buffer begins to fill when WinComm is delayed in handling the data because of other operations that Windows may be performing.   When this buffer is 90% full WinComm will attempt to suspend reception of any more data using the Handshake method selected, and restart it when WinComm has emptied most of the buffer.   For maximum throughput this buffer should be as large as possible but remember this takes up memory for other Windows applications that may be running.   The default is 2K.   Integer ID:57

Communications Settings-Handshake:

This setting tells WinComm what method to use to start and stop data transmission and reception.   When Software is selected WinComm will transmit the Stop: Pacing Character when the Communication Buffer is 90% full and send the Start: Pacing Character when the Communication Buffer is 10% full.   When Hardware is selected the same action is performed by toggling the Request To Send (RTS) modem signal.   When Software is selected and WinComm is transmitting it will stop sending when it receives the Stop: Pacing Character and start again when it receives the Start: Pacing Character.   When Hardware is selected the start stop action responds the Clear To Send (CTS) modem signal.   Check your modem manual or the service to which you are connected to determine the proper Handshake. Typically Software is used with a Modem, Hardware with a direct computer connection and Both for some error correcting modems.   Default is Software, Start:17(^Q), Stop:19(^S). Handshake Integer ID:58, Start: Integer ID:59, Stop: Integer ID:60

Modem Settings-Initialization

This character string is sent to the modem when a Session is started.   It should initialize the modem for: Send Result Codes, Result Code Response Numeric, No Echo in Command Mode, and Extended Results.   The extended result code should be a number that causes the modem to send all codes that WinComm can use in the Result Code section of this view. String ID:14

Modem Settings-Active DCD

This character string is sent to the modem when a Session is started.   WinComm expects the modem to tell it when it has detected the carrier from the remote modem by activating the Data Carrier Detect (DCD) signal.   If your modem has a command to activate this feature it should be inserted here.   If the modem uses a switch setting to activate this feature, leave this entry blank and set the switch for this operation.   String ID:15

Modem Settings-Ignore DTR

This character string is sent to the modem when a Session is started.   WinComm expects the modem to ignore the Data Terminal Ready (DTR) signal.   If your modem has a command to activate this feature it should be inserted here.   If the modem uses a switch setting to activate this feature, leave this entry blank and set the switch for this operation.   String ID:16

Modem Settings-Disconnect

This character string is sent to the modem when a Session is stopped.   This character string should cause the modem to go off line (hang up).   String ID:17

Modem Settings-Error Free Init

This character string is sent to the modem when a Session is started and the modem is to be used in an error free or reliable mode.   There are a lot of variables to consider when setting up this string.   First, set the error free (or operating) mode to match the modem you will be calling.   Second set the serial port flow control (both here and in the Communications Settings section) and the XON/XOFF modem to modem pass through option again matching the modem you will be calling.   Third set the modem to send modified result codes so WinComm will know when an error free connection is made.   These are the most important settings but there are many other options that might be available so check your modem manual.   String ID:18

Modem Settings-Answer Mode

This string is used as a Session Variable and is available for use by Macros that want to put WinComm in an answer mode.   It should include the command for setting the number of rings before answer and the command for putting the modem into answer mode.   String ID:19

Modem Settings-Speaker Volume

This character string is sent to the modem when a Session is started.   It should contain the command to set the speaker volume at the level you want.   The default setting is medium. If your modem uses a volume control or a switch leave this entry blank.   String ID:20

Modem Settings-Speaker Control

This character string is sent to the modem when a Session is started.   It should contain the command that causes modem speaker operation you want.   The default setting is speaker on until connect.   String ID:21

Modem Settings-Dial String

This character string is sent to the modem when a Session is started.   It should contain the commands for the dialing mode you wish to use, typically dial or pulse.   Other dialing options can be inserted here or in the Telephone Number entry in the Terminal Session Parameters edit view.   The dialing sequence is Dial String+Telephone Number+Dial Suffix. String ID:22

Modem Settings-Dial Suffix

This character (or characters) is sent to the modem to cause it to dial the number according to the command it received in the Dial String and the Telephone Number.   It is typically a carriage return.   The dialing sequence is Dial String+Telephone Number+Dial Suffix.   String ID:23

Modem Settings-OK

This is the numeric result your modem sends when it has been sent a command and everything is OK.   Integer ID:42

Modem Settings-Busy

This is the numeric result your modem sends when a telephone number has been dialed and the   and the line is busy.   If your modem does not support this feature leave this entry blank.   Integer ID:43

Modem Settings-Error

This is the numeric result your modem sends when it has been sent a command and something is wrong.   Integer ID:44

Modem Settings-No Dial Tone

This is the numeric result your modem sends when attempting to dial a telephone number and has not received a dial tone.   If your modem does not support this feature leave this entry blank.   Integer ID:45

Modem Settings-Normal Baud Rate Connect codes

Enter the numeric result your modem sends when it has made a normal connection at the following baud rate;
300 baud.   Integer ID:46   600 baud.   Integer ID:47
1200 baud.   Integer ID:48   2400 baud.   Integer ID:49

Modem Settings-Error Free Baud Rate Connect codes

Enter the numeric result your modem sends when it has made a Error Free connection at the following baud rates
2400 baud.   Integer ID:50   4800 baud.   Integer ID:51
9600 baud.   Integer ID:52   19200 baud.   Integer ID:53

Modem Settings-Fix Comm Port Baud Rate

When Checked WinComm will not adjust the communication port baud rate to match the modem connect speed if it is different than that established for this session.   It could be checked if you are using an error correcting modem that uses some type of compression scheme that requires a higher port baud rate than the connect baud rate.   In other cases you might not want WinComm to change the communication port speed because the change may be an indication of a fall back (Slower baud rate due to a bad connection) and you want WinComm to make another attempt to get a better line.   Integer ID:41

Modem Settings-Skip Unused

If your modem sends call progress codes (such as ringing) that are not found in the Modem Result Codes For: view of the session editor you must check the Skip Unused box.   This will cause WinComm to ignore any codes other than the ones shown.   You may need to check this box if you get an Error With Modem Connect Code message.   Integer ID 69

Terminal-Setup-Local Echo

If this option is checked WinComm immediately displays any character typed on the keyboard.   Unchecked, WinComm expects the host computer to send each character back as it is received.   The default is unchecked.   If double characters appear on the screen uncheck the box.   Integer ID:34

Terminal-Remove ANSI Escapes

ANSI escapes are the control codes that position and control the appearance of characters on the screen when using a terminal emulation that supports the escapes.   If this box is checked the codes are removed from the received data, leaving only ASCII characters.
Integer ID:35

Terminal-No Graphic Characters

When using an OEM font in Windows (Terminal for example) all ASCII codes above 128 display a graphic character--lines, shaded blocks, and special characters.   Checking this box strips the 8 bit thus converting these characters to normal printing ASCII characters.
Integer ID:36

Terminal-132 Columns

When checked WinComm WinComm will accept lines that are 132 characters long before wrapping to the next line.   The default is 80 characters.   Integer ID:37

Terminal-Auto Wraparound

When this box is checked any line that is longer than can be displayed in the width of the window will be wrapped to the next line.   Integer ID:38

Terminal-Force CR on LF

When this box is checked any time a LF (line feed) is received a CR (carriage return) will be inserted.   This is useful if the host transmits only a LF to signify a new line.   Integer ID:39

Terminal-Force LF on CR

When this box is checked any time a a CR (carriage return) is received a LF (line feed) will be inserted.   This is useful if the host transmits only a CR to signify a new line.   You should check this box if all characters received appear on one line.   Integer ID:40

Terminal-Non-Destruct Backspace

When this box is checked and the backspace code is received from the host, WinComm will not erase the character.   Use this option if the host requires this type of operation.   Integer ID 70

Terminal-Answerback

If the answerback edit box contains text it will be transmitted if WinComm receives an ENQ character.   Some host systems use the answerback message to identify the caller.   If the host you are calling expects this operation put the message you want to send here.   String ID:11

Terminal-Keyboard Mapping

The Keyboard Mapping list box allows you to change the default keyboard mapping the selected terminal emulation in this Session File.   This re-mapping can be performed using the Keyboard Mapping application included with WinComm.   The files it creates have the .KBD extension and will be displayed in the list box.   If the default keyboard mapping does not meet your requirements use the application to create the mapping you want and select the file in the list box to use it.   String ID:12

Terminal-Discard Before Display

This "filter" can be used to remove any non-printing ASCII characters having a value in the range 0 through 31. It can be used to remove tab characters, form feeds, etc. Check the box of the characters you want removed before display. String ID:13

Display Settings-Font and Size

These two list boxes allow the selection of the font to be used for display of text.   The font selection allows you to choose from any of the "mono-spaced" fonts you have installed in your machine.   In Windows the character sets are of two types, ANSI and OEM.   The ANSI fonts contain the characters listed in Appendix D of the Windows manual, the OEM font has the character set typical of the normal DOS character based font.   Use an OEM font if the service to which you are connected transmits these types of characters which are generally hosts based on PC's.   The Size lists the number of pixels that make up the character, the first number is the width the second is the height.   Select the size that gives you an eighty character line length for the window width you want to use.   The resolution of your display adapter dictates the font to use, experiment.   Font String ID:9 Height Integer ID:22 Width Integer ID:23 Character Set ID:24

Display Settings-Color

This set of controls allow you to set the color of the screen background and characters, and for ANSI terminal emulations the color to be used for blinking and bold characters.   For character based terminals character blinking is simple but in Windows using a different color is a much more efficient method.   If your graphics adaptor has less than 16 colors you can also select a color to display when WinComm receives a command to display a bold character.   Select the item, scroll to the color set you want to use by pressing the [<<] and [>>] controls, and click on the appropriate color.   For monochrome systems there will be 2 colors, for 8 color systems there will be 1 color set, for 16 color systems there will be 2 color sets, for 256 there will be 16 etc.   Blinking Integer ID:27   Character Integer ID:25   Bold Integer ID:28   Screen Integer ID:26

Display Settings-Hide Password

When selected will hide the password in the Terminal Session Parameters view.   This will give a level of protection when using the most commonly used screen in the Session Editor.
Integer ID:29

Display Settings-Show Function Keys

When checked WinComm will display the function Keys with labels assigned in the Function Keys option edit view across the bottom of the WinComm Window.   Integer ID:30

Display Settings-One Character Double Left Click

Normally when the left mouse button is double clicked at the cursor position on the screen, WinComm will transmit the characters displayed on the screen beginning at that character and stop at the next non-alphanumeric character.   WinComm will however transmit a . (period) allowing file names with extensions to be transmitted using this technique.   When this box is checked WinComm will transmit only one character at the position of the cursor. Integer ID:31

Display Settings-Tab Stops

This setting positions tab stops at fixed positions across the WinComm text display area. Generally these are every 8 positions.   If the Session file is using a terminal emulation that supports the setting of the tab stops and WinComm receives the escape sequence to set the stops all default tabs will be cleared.   Integer ID:32

Display Settings-Screen Scroll Buffer

This option allows you to set the amount of memory WinComm uses for the screen scroll buffer.   The buffer is used to display characters that have scrolled off the top of the screen. This buffer can be displayed while WinComm is in the Pause mode.   The buffer stores not only the characters received but also the terminal emulation attributes (color position etc.). Setting the buffer at the largest size will allow you to scroll farther back in the session but will limit the amount memory that WinComm uses for other operations or that used by other applications.   Integer ID:33

WinComm Display-Command Bar-Capture

This control when checked will add to the capture file indicated.   The Capture file name and start action is set in the Terminal Session Parameters view of the Session Editor.   If the []Capture on Session open option is checked, as soon as a connection is made anything received on the comm port or typed on the keyboard will be stored in the capture file.   The Command Bar Capture control can be used to turn this recording on and off.   If []Query was checked in the Terminal Session Parameters view, each time []Capture is checked a dialog box will display asking for the name of the capture file.

WinComm Display-Command Bar-Pause

When []Pause is checked WinComm ceases screen updates and displays a vertical scroll bar to allow viewing of text that has scrolled off the top of the window.   The amount of text that can be reviewed depends on the size of the Screen Scroll Buffer set in the Display Parameters view of the Session Editor.   WinComm while paused will continue to receive characters without displaying them until the Communication Buffer is 90% full.   When this occurs WinComm will use either Hardware or Software handshake (pacing) to shut off the characters being received.   If no handshake is in effect, characters may be lost.   The comm buffer size and the handshake are set in the Communications Settings view of the Session Editor.   When []Pause is unchecked characters in the comm buffer will display on the screen and communication with the host will be turned back on.

WinComm Display-Command Bar-Start

When checked WinComm will attempt to make a connection using the parameters contained in the currently loaded Session file.   When the check is removed WinComm will disconnect.

WinComm Display-Command Bar-Macro

When un-checked WinComm will halt the macro name shown.   A Macro can be started using the []Autorun option in the Terminal Session Parameters view of the Session Editor, by using the Macro|Run menu item or by re-checking the []Macro checkbox.

WinComm Display-Command Bar-Print

When checked WinComm will send all characters received over the comm port or typed on the keyboard to the printer.   Since WinComm must use the Windows spooler and print drivers which are page based, no output will appear until a full page or a form feed has been received.   When the check is removed WinComm will send any remaining text to the printer and will print the last page.   The printer font, a header and footer can be setup using the File|Printer Setup menu item.

WinComm Display-Command Bar-Split

When checked the WinComm text display area is split in half, the upper half displaying the text received from the host, the lower half displaying text typed on the keyboard.   When in Split mode characters typed are stored in a small buffer and are sent to the host only after pressing the Enter key.   Normally WinComm sends each key as its typed.   In addition, text can be resent by positioning the cursor at any point in the line you want to resend.   Text will be sent from the cursor to the end of the line.   This mode of operation is useful when conversing with someone else over the comm link as the messages don't get intermixed.

Using the WinComm Monitor

This dialog box displays when the menu item System|Monitor is selected.   It is used to display the last several characters transmitted and received on the comm port.   It also displays the settings for the comm port as well as the status of three modem signal lines. DCD displays the status of the Data Carrier Detect line and is darkened when the modem is connected to another modem.   The RTS displays the status of the Request to Send line of this computers comm port.   It is used when Hardware Hand Shaking (pacing) is selected to stop the flow of characters from the host.   When the modem is connected and this signal is greyed this computer is requesting the host (or modem) to stop sending characters until it has emptied its buffer.   The CTS signal is also used in Hardware pacing and is the signal from the host (or modem) telling this computer to quit sending characters until it has cleared its buffer.

Changing the file transfer protocol

The file transfer protocol can be changed in three ways:

1. Select the File|Change Protocol menu item and select the proper protocol in the dialog box.
2. Select the proper protocol in any view of the Session Editor.
3. Select the protocol when sending a file(s) or receiving a file using a non-batch protocol

Changing the name of a session file

The name of a session file can be changed by opening the file in the Session Editor and selecting the file Save As button.

Compiling a macro source file

To compile a macro source file:

1. Select the Macro|Files menu item
2. Select the source file you want to compile in the list box
3. Select the Compile push button

Note: Check the Run After Compile or the Compile with Debug if you want these options

Editing a macro source file

To edit or create a macro source file:

1. Specify the Windows text editor you want to use by selecting the System|
   Defaults menu item and typing the name in the proper edit box
2. Select the Macro|Files... Menu Item
3. Select the source file you want to edit in the list box
4. Select the Edit push button, or if creating a new file select New
5. Make the changes as required
6. Save the file as a .WMS file in the MACRO directory

Entering the password for a protected session file

If the Session File you are trying to open has been protected by a password you will need to enter the password before it can be opened.

1. If you are opening the file from the File|Session Open menu item and have selected a file in the list box that is password protected the Enter Password edit box will undimmed and you must enter the correct password before the file can be opened.
2. If you are opening the file from within the Session Editor a seperate dialog box will display allowing entry of the password.

Opening a session file

The Open Session dialog box displays when the File|Open Session menu item is selected. Use it to select the session you want WinComm to use to make a connection.   Different sections in the dialog box include:

1. The files list box shows all .WSF files in the default session file directory established with the System|Defaults menu item.
2. The directory/drive list box can be used to select other directories and drives using standard Windows convintions.
3. Session File Notes are displayed for the selected file.   By using the cursor up and down keys or clicking on a Session File name the notes for each file can be quickly reviewed to help in the selection of the file you wish to open.
4. If the selected file is password protected the Enter Password message will be un-greyed and a password must be entered before the Session File can be opened.   This feature prevents unauthorised access to the Password: field in the Session File.   This password and the Password field in the session File are independant.

Printing

WinComm allows printing of all text sent and received during a communication session, and the contents of the screen buffer.

To start printing check the **Printer** check box on the WinComm Command bar.   To print the screen buffer select the **Edit|Print Buffer** Menu Item

The printer dialog box displays when the **File|Printer Setup** menu item is selected.   It is used to set the printer font and size as well as a header and footer.   Any text entered in the Header: edit box will be printed on each page centered just above the top margins.   Any text entered in the Footer: edit box will be printed on each page centered just below the bottom margin.   4 variables can be inserted in the header and footer text by proceeding the following characters with a &.

      &d Prints the date.   &f prints the session file notes

      &p Prints the page number   &t Prints the time.

For example if the following text were entered in the Footer: edit box

"Page &p.   at   &t." would print:

          Page 1.   at   09:15:00

centered at the bottom of the first page if the page were printed at 9:15 in the morning.

The **[Setup...]** push button will display the currently selected printer setup dialog box.   The **[Change...]** push button will display a dialog box allowing the printer to be changed to any printer installed in the system.

Receive file diagnostic box

This dialog box displays after selecting File|Receive File "Selected Protocol", or when a B Plus or ZMODEM transfer is initiated by the host.   It shows any errors that occur and if the protocol supports file length information the bar graph shows the progress of the transfer. The transfer can be canceled by selecting the [Cancel] push button.   The cancel will terminate the complete batch if a batch transfer is in process.

Receiving an ASCII file

To receive an ASCII file, prepare the host for sending the file, select the File|Receive ASCII menu item, select the receive options in the dialog box, and signal the host to start sending the file.

The receive ASCII dialog box displays when the File|Receive ASCII menu is selected.   It provides an edit box for naming the file and options for setting the way the text is processed and stored in the file.   Force CR on LF will insert a carriage return character when a line feed is received.   Discard Carriage Returns and Discard Line Feeds will delete these characters if checked.   The Force Line Wrap at: Column: edit box allows you to set the line length at a fixed number of columns by inserting a CR LF if the line length exceeds the value entered.

Sending a file using a protocol

To send a file using an error correcting protocol:

1. Select the protocol you want to use in the quick setup area of the Session Editor
      or
    Use the File|Change Protocol menu item.
2. Select the File|Send "Protocol" menu item.
3. Select the file you want to send in the list box and press OK.

The dialog box that displays when the File|Send File "Selected Protocol" menu item is selected allows selection by clicking on the file name or by typing the name in the edit box. If the protocol is a batch protocol, multiple files can be selected in the Files: list box by shift+clicking on each file to be sent, or all files can be selected with the [Select All] push button.   Directories and drives can be changed by double clicking on them in the Directory: list box.   Double clicking on the [..] entry in the Directories: list box will display the files and directories of the current directory parent.   The protocol can also be changed by clicking on it in the Protocol: list box.   When all files have been selected and the protocol set, click on the [OK] button.

Send File Diagnostic Dialog Box
This dialog box displays after a file or files have been selected in the Send File dialog box and shows the status of the protocol file transfer.   The transfer can be canceled by selecting the [Cancel] push button.   If a batch transfer is in process the batch will be canceled.

Note: If the protocol selected is Compuserve B Plus or ZMODEM the file transfer is host controlled and the transfer will automatically begin when you have given the host the file name to use for your computer.

Sending an ASCII file

To send an ASCII (or any file) with no error checking:

1. Set the send options in the ASCII Send view of the Session Editor.
2. Select the File|ASCII Send menu item.
3. Select the file you want to send in the list box and press OK.

Setting the WinComm system defaults

Select theSystem|Defaults menu item and type the path names you want to use for storing **Session Files**, **macro files**,**capture files**, and files **downloaded** using WinComm

Select the Windows **text editor** you wish to use with the Macro Compiler.

The Protocol Timing option group allows adjustment of the protocol transfer timing for unusual communication circumstances.   If the communication channel is clear and reliable tight can be used.   If the channel is noisy use one of the less tight settings.

A global dialing string can be dialed before the telephone number (entered in the Dial: edit box in the Terminal Session Parameters view of the session editor).   This string is assigned in the **Global Phone Prefix** edit box, and it will be sent to the modem if the character L precedes the telephone number in the Dial: edit box.

Checking the **[]Block Cursor** box will change the cursor from a vertical bar to a block.

Selecting the **[]Defaults** checkbox will establish all paths to the directory where WinComm is installed and make Notepad the default text editor.

When **[]Make backup files on duplicate names** is checked and a file is down loaded with the same name as an existing file, the down loaded file will be renamed with the first character changed to a ?.   If the box is unchecked the existing file will be overwritten.

If the **[]Auto Size** box is checked the WinComm window will automatically adjust to 24 lines 80 characters and center horizontally on the screen.   The auto-sizing will occur when a session file is opened.

Setting up the printer

The dialog box that displays when the File|Printer Setup menu item is selected allows setting of the printer font and size as well as the assignment of a header and footer.   Any text entered in the Header: edit box will be printed on each page centered just above the top margins.   Any text entered in the Footer: edit box will be printed on each page centered just below the bottom margin.   4 variables can be inserted text by proceeding the following characters with a &.
          &d Prints the date.   &f prints the session file notes
          &p Prints the page number   &t Prints the time.
For example if the following text were entered in the Footer: edit box
"Page &p.   at   &t." would print:
                         Page 1.   at   09:15:00
centered at the bottom of the first page if the page were printed at 9:15 in the morning. The [Setup...] push button will display the currently selected printer setup dialog box.   The [Change...] push button will display a dialog box allowing the printer to be changed to any printer installed in the system.

Setting up WinComm function keys

Open the session file in the Session Editor and select the Function Key view.   This view allows you to assign text to be transmitted or a Macro to run when a function key is pressed. The on screen text display of each function key is also assigned here.   There are 16 keys that can have text or macros assigned to them, Function Key 2 through Function Key 9, with and without the Ctrl key.   A check in the Macro checkbox indicates that the Macro file name in the Text field should be run when the function key is pressed, if unchecked the text in the field will be transmitted.   The text typed in the Label field will appear on screen representing that function key.   The function key display can be controlled in the Display Settings view of the option edit display.   String ID:32-47

Starting a session, making a connection

Session files can be started manually or automatically.

To start a session manually, open the session file using the File|Session Open menu item and select the File|Start Session menu item, or check the Start checkbox on the Command Bar

To have a session start automatically, open the session file in the Session Editor and check the Start on Session Open checkbox in the Terminal Session Parameters view.   This will cause WinComm to connect when the session file is opened.

Sessions can also be started by a Macro or through DDE.

Using the WinComm Command bar

The Command Bar across the bottom of the WinComm window is used both to control and show the status of WinComm.   These check box controls can be used to turn the capture file on and off, start and stop the session, pause the session, start and stop a macro, turn the printer on and off, and split the screen for chat mode.   All the controls will be greyed or inactive if there is no Session File loaded.   When a Session File is loaded the Start will become active and will be checked if the []Run on Session Open box was checked in the Session Editor.   After the connection is made the rest of the keys will be active and can be selected to provide the operation required.   The underlined character of each control can be pressed on the keyboard with the Alt key to toggle the check.

Select the following to receive more information on each subject.

WinComm Display-Command Bar-Capture
WinComm Display-Command Bar-Pause
WinComm Display-Command Bar-Start
WinComm Display-Command Bar-Macro
WinComm Display-Command Bar-Print
WinComm Display-Command Bar-Split

Receiving a file using a protocol

To receive a file using an error free transfer protocol:
1. Determine the protocol you want to use and Select the protocol in WinComm using the Session Editor or the File|Change Protocol menu item
2. Make a connection to the host and indicate your protocol selection to the host
3. Indicate the file (files if you are using a batch protocol) you want to receive
4. Tell the host to begin the transfer
5. Select the File|Receive File "Protocol menu item

Note: If the protocol is a host driven protocol such as Compuserve B Plus the transfer will begin automatically eleminating step 5.

Recording a Macro

Macros can be recorded to automate a logon or to create macro source code to use in your custom macros.   The recorded macro is based on the PROMPT and SEND macro statements and can be edited to refine or customize the code.
To Record a logon session:
1. Open the Session File for the host to which you want to connect
2. Select the Macro|Record menu item
3. Start the session using the File|Start Session menu item or check the Start check box on the Command Bar
4. Log on the service as you normally would
5. When you reach the pointwhere you want the recording to end, select the Macro|Stop Recorder menu item
6. Name the file and select the compile option

After the macro has been compiled it can be used to repeat your logon very rapidly.   When the macro is run, it will Open the Session File used when you recorded the macro, start the session, look for the prompts received from the host and reply to them just as you did.

Replaying a file

WinComm can be used to view any text file or any file captured while online.   If you want to view a captured file that contains terminal escape sequences, be sure to select that emulationin the session you have loaded for the replay.
To replay a file:
1. Open a session that has the proper terminal emulation selected
2. Select the File|Playback File menu item
3. Select the file in the list box and select OK

Checking and unchecking Pause on the command bar will start and stop the playback. When paused the vertical scroll bar can be used to view text that has scrolled of the top of the screen.

Running a compiled macro

The Run Macro dialog box shows all compiled Macros (*.WMC) that are available in the WinComm Macro default directory.   It displays when the Macro|Run menu item is selected. The first ~40 characters of the selected Macro source file are displayed as notes to provide additional information about the Macro.   The selected Macro can be run by selecting it in the list box and pressing [OK] or by double clicking on the file name.   As soon as the Macro is loaded it will start running.   It can be halted by selecting (un-checking) Macro"NAME" on the Command bar at the bottom of the WinComm Window.   It can be restarted from the beginning by re-selecting the Macro"NAME" Command.

Compiling a recorded macro

This dialog box displays when the Macro|Stop Record menu item is selected.   It allows you to name the just recorded macro.   A default name is provided which you can accept or edit. If the Compile Macro on Exit: box is checked the file will be compiled when you select [OK]. If you select the [Discard] button the file will be deleted.

Selecting a system printer

The Select Printer dialog box displays when the [Change...] push button is pressed in the Printer Settings dialog box.   Select the printer to which you want WinComms output to be directed and press [OK].

Send file diagnostic box

This dialog box displays after a file or files have been selected in the Send File dialog box and shows the status of the protocol file transfer.   The transfer can be canceled by selecting the [Cancel] push button.   If a batch transfer is in process the batch will be canceled.

Using the Mouse

In addition to the normal methods of using the mouse in Windows, WinComm supports several techniques to send characters and words displayed on the screen, copy selected text to the clipboard and in some terminal emulations will send codes to position the host cursor.

To transmit a word or a file name displayed on the screen
Double click on the first character of the word or file name.   If you want to only send one character at the position of the pointer, select the One character double left click option on the Display view of the Session Editor.

To send any text in the current display page
Select the text by click+dragging the left mouse button and while the text is selected press the right mouse button.   The highlighted text will also be copied to the Clipboard.

To send any text in the screen scroll buffer
Check Pause on the Command bar, use the vertical scroll bar to view the text you want to send, click+drag the left mouse button to select the text and press the right mouse button.   The selected text will be transmitted, copied to the clipboard and Pause will automatically uncheck.

To mark text for copy to the Windows Clipboard
Check Pause on the Command bar, click+drag the mouse to select the text and select the Edit|Copy menu item or press the Ctrl+Insert keys.

To send codes to the host to reposition the cursor
Position the pointer at the character position where you want the cursor to be located and double click the right mouse button.   If there are tabs in the text, the cursor might not position properly the first time you double click.   This operation is supported in VT-52 and VT-102 terminal emulations.

Using the Telephone Dialer

This WinComm operating mode allows the creation of telphone directories with entries for names and company names for use as an automatic telephone dialer.   Use the Session Editor to set up the directories and then open the session file to use this feature.

For setting up the directory see<u>Telephone Directory Session Parameters</u>   for using the directory see <u>Using theTelephone Directory </u>

Using WinLink and a PC to PC Session

PC to PC General
This WinComm operating mode is used for transferring and maintaining directories and files on two PC's connected together.   For this operation to be successful, the two computers serial ports must be connected using either a null modem cable or modems with this computer running a PC to PC session and the other computer running WinLink with matching baud rates.

Start with the default baud rate suggested when WinLink was installed.   Use the highest baud rate that provides the maximum number of characters per second throughput.   Since there can be a lot of interaction between WinComm, WinLink and other programs that may be running, the highest baud rate might not provide the highest throughput.   Experiment to obtain the highest throughput with your configuration.

See

PC to PC Session Parameters
PC to PC Dialog Box

Telephone Directory Session Parameters

This view in the Session Editor allows you to set up and edit the auto dialing telephone directory.   This list box is used to select and display entries in the directory.   When an entry is selected in the list box the information is copied into the Name, Company, and Number edit boxes.   Any changes made in the edit boxes can be entered in the list box by selecting the [Change] push button.   New entries can be made by typing the information in the edit boxes and selecting the [Add] push button.   Any entry can be removed by selecting it in the list box and pressing the [Remove] push button.   The list box can be alphabetically sorted by pressing either [Sort by Company] or [Sort by Name].   A quick search can be performed on the first letter in the list box by placing the cursor in the list box and typing the search letter on the keyboard.   Each time the letter is pressed the list box will cycle through all entries that begin with that letter.

PC to PC Session Parameters

This view allows you to set the type of hookup when connecting to a remote computer running WinLink.   Select either Modem or Local and set the correct Port, Modem, and Baud rate in the Quick Setup area of the Editor.   If connected locally, use the highest baud rate that will transfer data with the minimum number of errors as indicated by the diagnostic display.   Start at the highest baud rate.   If the error count is high step down one baud rate at a time until the throughput goes up substantially.
If connected through a modem select the buad rate that the modem supports, and enter the telephone number of the remote machine running WinLink.   If WinLink was started with a password in the command line, the proper password must be entered in the edit box before WinLink will permit access.
Check Connect on Session Open if you want WinComm to make connection as soon as the session file is opened.

Using the Telephone Directory

Make sure WinComm is installed properly and connected to a modem, then:

1. Create the directory using the Session Editor
2. Open the Session File containing the directory you want to use by selecting File|Session Open
3. Start the session (if not automatically started) by checking Start on the Command bar or by selecting File|Start Session.
4. Sort the list by selecting Sort by Company or Sort by Name
5. Do a quick search by typing th first letter of the name you want to serach (the curser must be in the list box)
6. Select the entry you want to dial
7. Select Dial
8. After the modem has dialed the number pick up the handset and select the Release Line button

PC to PC Dialog Box

The dialog box displayed after a PC to PC Session is started is divided into 3 areas.   The Control area, the Remote Computer Files area and This Computer Files area.   The Files area allows viewing and selection of files and directories in ether machine.   The Files list box displays all files meeting the wild card "Show:" filter.   Files are selected by clicking on the file name (names using the shift key) or by pressing [Select] with the proper "Except:" filter. Files in different directories can be viewed by double clicking on the directory name in the Directories list box.   Several options are available in the Control area that allow coping of the selected file(s) from one machine to the other, creating, renaming, and deleting files and directories in ether machine, and obtaining information on any file.

Select one of the following topics to obtain more information about its operation.

> PC to PC-Copy
> PC to PC-Options
> PC to PC-Create Directory
> PC to PC-Delete
> PC to PC-Exit
> PC to PC-Rename
> PC to PC-Info
> Subdirectories in Que
> Files in transfer Que

PC to PC-Copy

Selecting ether [<<Copy] or [Copy>>] will copy all selected files in the direction the arrows are pointed.   The [<<Copy] button will copy all files selected in this machines file list box to the remote machine and place them in the directory shown under the text "Files in Remote". The [Copy>>] button will copy files from the remote machine to this machine.   When ether copy button is pressed another dialog box will display showing the files and subdirectories in the transfer que as well as the options selected for the transfer.   The action of the copy is established by pressing the [Options...] button in the Control area.

PC to PC-Options

Selecting [Options...] button in the control area allows you to set up the action to be used for the copy.   If []Include Subdirectories is checked then all subdirectories and files in the subdirectories meeting the Show: and Except: filters will be included in the copy.   If the []Create Subdirectories box is checked any subdirectory not existing will be created before the files are copied to it, otherwise the operator will be notified.   If the []Replace Existing Files box is checked all existing files in the target machine will be overwritten, otherwise the operator will be notified.   If []Delete Source after Copy is checked the original file will be deleted after the file has been successfully copied to the target machine.

PC to PC-Create Directory

Selecting [Create Dir] button in the control area allows you to create a subdirectory in ether computer.   The directory will be created as a subdirectory of the current directory of the selected computer.   Select the directory in the machine where you wish to create the subdirectory, press [Create Dir] type the name in the Directory Name: edit box and press the [Create Remote] or [Create Local] as appropriate.

PC to PC-Delete

Selecting [Delete] button in the control area allows you to delete a file or directory in ether machine.   Select the file or directory in the appropriate list box and press the [Delete] button.   A dialog box will display requesting verification.

PC to PC-Exit

When [Exit] is selected the communication with the remote computer is halted and the PC to PC dialog box is destroyed returning to the WinComm window.   Connection can be re-established by re-checking the the []Start check box in the control bar at the bottom of the WinComm window.

PC to PC-Rename

When selected allows renaming of the selected file.   Select the file you wish to rename and type the new name in the New Name: edit box.

PC to PC-Info

This control is used to obtain the file date, time, and size of the selected file.   Select the file in the appropriate list box and press the [Info] button.   Information for any file can be obtained by selecting it as long as the Info window is displayed in the control area.

Subdirectories in Que

This list box shows all subdirectories of the current directory that are in the transfer que. Other subdirectories bay be in the que that are not shown if they are subdirectories of the directories that are shown here.   These subdirectories will be created in the target computer if the []Create Subdirectories box is checked in the Transfer Options box.   If the []Create Subdirectories box is not checked and the subdirectories do not exist on the target computer the operator will be
notified.

Files in transfer Que

This list box shows all files that have been selected for transfer to the target computer. They are displayed for conformation before the files are actually transferred.