Topics for IBM3102-20Terminal:

Help for Video Definitions

These options let you set default values which affect the appearance and behavior of the display.

For additional information, select:

Cursor Type
Enable Auto-tab
Automatic New Line
Scroll
CR after LF
Automatic Linefeed

Cursor Type

The cursor displayed during online terminal emulation may be Underline, Partial Block, Half Block Top, Half Block Bottom, Centerline, or Full Block.

Enable Auto-tab

If enabled, pressing Tab or any character while at a protected field will move you to the next unprotected position. If not enabled, the cursor will stop when it reaches a protected field.

Automatic New Line

When enabled, this option specifies that the cursor should move automatically to the first character position in the next line when data is entered in the last position on the current line.   If the current line is the last line on the screen and scrolling is enabled, the screen will scroll.

If this option is disabled, the cursor will stick at the last position of the current line.   Additional data entered or received will overwrite the display position until a cursor movement command, such as a carriage return, is processed.

Scroll

If Scroll is disabled, the cursor will return to the top of the screen in the first column from the last line, last column of the screen.

If Scroll is enabled, the cursor will continue to scroll down, one line at a time, each time the cursor is sent past the column limit on the last line of the displayed screen area.

Note: Scroll is dependent on the Automatic New Line option being enabled.

CR after LF

If this option is enabled, Softerm automatically performs a carriage return function (cursor to first display position) in addition to a linefeed function (cursor down one line) whenever a linefeed character (0A hex) is received.   If this option is disabled, no additional processing is performed for linefeed characters.

Automatic Linefeed

If this option is enabled, Softerm automatically performs a linefeed function (cursor down one line) in addition to a carriage return function (cursor to first display position) whenever a carriage return character (0D hex) is received. If this option is disabled, no additional processing is performed for carriage return characters.

Help for Operating Mode

Set the initial operating mode to **Block** or **Character**.   This parameter also determines Block Mode Transmission Delay parameters.

For additional information, select:

Block / Character Transmission Mode
Block Transmit Delay
Block Delay
Block Size

Block / Character Transmission Mode

If Block mode is selected, characters entered from the keyboard are stored in a buffer and can be corrected and edited before being transmitted to the host when the SEND key is pressed.   The Automatic Newline option is forced if block mode is selected.

If Character mode is selected, data entered from the keyboard is simultaneously sent to the host system and displayed on screen.

Block Transmit Delay

This option should be checked if you are using Tymnet's 3270 protocol conversion capability.

Block Transmit Delay is provided so large block transmissions can be divided into smaller blocks with a time delay after each block to compensate for satellite network delay time in international use.   The option is used in conjunction with the options Block Delay (1/10 Secs.) and Block Size (Bytes).

Block Delay

If Block Transmit Delay is enabled, this option defines the amount of delay in one tenth second increments.

Block Size

If Block Transmit Delay is enabled, this option defines the maximum number of characters which will be transmitted before initiating a delay.

Help for Status Line Definition

Determine the default setting for whether or not an information status line will be displayed when in the Session Window (online terminal emulation).

If a status line is to be displayed, determine the default setting for the date and time format to be used;   and determine whether the IBM 3101 Model 20 Status Line or the standard Softerm Status Line will be displayed.

For additional information, select:

Status Line Preference
Status Line Time Format
Status Line Display

Status Line Preference

If the IBM 3101 Model 20 Status Line is selected, the status information displayed will include the current Row and Column, Block or Character Mode, and Program or Insert sub-modes.

The standard Softerm Status Line displays some or all of the following:

        Online or Local mode
        Connect status
        Duplex setting
        Capture status
        CapsLock state
        NumLock state
        Date and Time or Connect Time

Status Line Time Format

Date/Time
Choose this setting for the status line to display the current date and time.

Connect Time
Choose this setting for the status line to display the length of time the connection has been established.

Status Line Display

On
The status line will be displayed when you are in the Session Window (online terminal emulation mode).

Off
The status line will not be displayed when you are in the Session Window (online terminal emulation mode).

Help for Line Turnaround Character

Specifies the character which terminates the Program Function Key sequences and the response to Read Status, Read Switches and Read Cursor Position.
If the XOFF character is selected, you should ensure that Receive Pacing is set to None.

Turnaround Character

Specify the character which terminates the Program Function Key sequences and the response to Read Status, Read Switches and Read Cursor Position.
If the XOFF character is selected, you should ensure that Receive Pacing is set to None.

Help for Printer Definitions

The Printer definitions provide the default settings for terminal functions whose destination is a print device.

For additional information, select:

Enable Printer Pass-Through
New Line On Close Capture
Append Disk Printer File On Close
Send Initialize / Deactivate String Once

Enable Printer Pass-Through

The option Enable Printer Pass-Through provides the capability for the host to redirect the terminal data stream to the printer instead of the display through a host-initiated sequence.

If this option is enabled, the three-character sequence **ESC # 6**, when received from the host, activates printer pass-through, and the sequence **ESC # 1**, when received from the host, deactivates printer pass-through.

This option should be checked if you are using Tymnet's 3270 protocol conversion capability.

New Line On Close Capture

Function: Enable or disable the automatic newline sequence (carriage return + line feed) when sending data to a printer.   Most users will prefer to leave this box unchecked.

This option works with all data Capture to Printer operations. Softerm normally appends a newline sequence to the end of a data capture.   However, when transmitting data, some hosts will initiate a capture, send a line of data, terminate capture, and repeat the process until all data has been transmitted.   Appending the newline sequence each time would destroy the data's format.   Leave this option unchecked to stop the automatic newline sequence from being appended and to maintain the data's format.

Append Disk Printer File On Close

Function: This option is provided primarily to handle hosts which initiate printing of small amounts of data on a frequent basis.   Most users will prefer to leave this option checked.

Important: The action of this function depends on the selected Print Path and whether or not a print device is busy.

Case 1:   The Print Path uses a valid printer.

If the printer is available, all print activities (such as a capture to print or a host-initiated print function) will be sent to the printer.

If Append Disk Printer File on Close is disabled and the printer is not available (either off line, busy, etc.), all print activities (such as a capture to print or a host-initiated print function) will be sent to a temporary disk file.   Each time the print activity is turned off, the temporary file will be closed.

If Append Disk Printer File on Close is enabled and the printer is not available (either off line, busy, etc.), all print activities (such as a capture to print or a host-initiated print job) will be sent to a temporary disk file.   Each time the print activity is turned off, the temporary file will, in effect, remain open.   When printing is turned on again, the data will be appended to the existing file.

The temporary file will be closed when one of the following happens:

1.   You turn capture off from the File menu;
2.   You clear the Append Disk Printer File on Close option;
3.   You exit the Session Window; or
4.   You exit Softerm.

Case 2:   The Print Path uses a Disk printer with the "Automatically Create Unique Disk Print File" option checked.
Important: If a Disk printer is given a user-specified file name, append is assumed and this setting does not affect the file.

If Append Disk Printer File on Close is disabled, every time the print activity is stopped, the disk file will be closed. Each new print activity will overwrite the disk file.

If Append Disk Printer File on Close is enabled, every time the print activity is stopped, the disk file will, in effect, remain open.
Subsequent print activity initiation will append the new data to the original file.

The disk file will be closed when one of the following happens:

1.   You turn capture off from the File menu;
2.   You clear the Append Disk Printer File on Close option and close the capture;
3.   You exit the Session Window;   or
4.   You exit Softerm.

Send Initialize / Deactivate String Once

Important: This setting works only with append printer operations which are redirected to a disk file.   This includes a Print Path which uses a Disk printer.

When this option is enabled, the printer initialization and deactivation strings will be sent to the printer file only once.

If this option is not enabled, the printer initialization and deactivation strings will be sent to the printer file each time it is opened and closed.

Help for Null Suppress

Check the box to suppress trailing nulls when a block mode transmission is performed.

Note: This option is valid only for block mode operation.   If null suppression is not required, disable the option.

Enable Null Suppress

Check the box to suppress trailing nulls when a block mode transmission is performed.

Note: This option is valid only for block mode operation.   If null suppression is not required, disable the option.

Help for Key Settings

Set whether the Send key sends a line or a page, and whether the function keys will provide a Tymnet-compatible extension.

For additional information, select:

Send Key=Send Line
Enable Function Keys (PF9-PF24)

Send Key=Send Line

The option Send Key = Send Line is used to activate the SEND LINE key function when the SEND key is pressed. If the box is checked, the SEND key will function as the SEND LINE key.   If the box is not checked, the SEND key will function as the SEND PAGE key.

Note: If a Send function is assigned to a key, you can use the Keyboard Profile module's Find function to locate the key.   If the Send function is not assigned to a key, you can use the Keyboard Profile module to assign it.

Enable Function Keys (PF9-PF24)

The option Enable Function Keys (PF9-PF24) provides a Tymnet-compatible extension to support the Program Function Keys PF9-PF24 normally available on a 3270 terminal.   This option should be checked if you are using Tymnet's 3270 protocol conversion capability.