

.key Files for Protocol Converters

This chapter explains which information can be modified in a *.key* file.

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-

.key Files Provided with Entire Connection

The *tables* directory of Entire Connection contains several *.key* files for protocol converters. Select the *.key* file that is most compatible with your protocol converter. Check whether the entries in this file correspond to the escape sequences required by your protocol converter (see the documentation for your protocol converter). Use only the VT100 escape sequences.

Among others, the following *.key* files are copied to your hard disk during installation:

File	Description
<i>Bb.key</i>	Brown's Box
<i>I3708.key</i>	IBM 3708
<i>I71.key</i>	IBM 7171
<i>Ldi.key</i>	Local Data InterLynx
<i>M80.key</i>	MaComm MDS 8070
<i>Mic.key</i>	MiCom
<i>Pci.key</i>	PCI 1071
<i>Prot.key</i>	Default used in share file
<i>Renex.key</i>	Renex
<i>Sitin.key</i>	SitIntel
<i>Tnt.key</i>	Telenet Network Version of Local Data

Sample .key File

During installation, the file *Ldi.key* (see below) is copied to your hard disk. This sample *.key* file consists of several columns:

- First column: identifies the terminal function key to be defined.

- Second column: XCLOCK indicates that the key will wait for a response from the host or protocol converter before allowing additional input from the keyboard.
- Third column: KEYRESET indicates that the keyboard is reset when insert mode is switched on.
- Fourth column: contains the escape sequence assigned to the terminal function key.

Important:

The only data in a *key* file that should be modified are the data contained in the fourth column.

When modifying the data in column four, you can use the mnemonic names for the hexadecimal values X'00' through X'1F'. All escape sequences must be enclosed in single quotation marks; they are case-sensitive.

If your protocol converter does not support an entry in the *key* file, insert an asterisk (*) in the first position of the corresponding line. This entry will then be ignored.

If the *key* file you select contains an asterisk (*) in front of an entry required by your protocol converter, you must remove the asterisk and replace the question marks in column four with the required escape sequence.

```
* ldi.key
* (C)Copyright Software AG 1993-1999
* terminal emulation function key table for Local Data InterLynx
* and similar Protocol Converters.
*
* DO NOT change the keyword line below ("WiTeKeyTable PROT"):
*
* If you have to change the table in the share file, modify this
* file (or one of the others which is closer to your needs) and
* import the table using the Entire Connection configuration manager.
```

```
WiTeKeyTable PROT
```

```
* set vtkey attn                                type ????????
set vtkey backspace                             type esc '[D'
set vtkey backtab                               type BS
set vtkey break                                 type cr
set vtkey clear          xclock  keyreset       type esc 'Om'
set vtkey cr            xclock  keyreset       type cr
set vtkey delete                                             type DEL
set vtkey devcncl                                           type esc ']'
set vtkey down                                              type esc '[B'
set vtkey dup                                               type esc 'Ov'
set vtkey eof                                               type esc 'Ot'
set vtkey eraseinp                                          type esc 'Ow'
set vtkey fldmark                                           type esc 'Ol'
set vtkey home                                             type esc 'Op'
set vtkey icr                keyreset           type cr
* set vtkey ident                                type ????????
set vtkey insert                                             type esc 'On'
set vtkey left                                              type esc '[D'
set vtkey newline                                          type LF
set vtkey pa1          xclock  keyreset       type esc 'Oq'
set vtkey pa2          xclock  keyreset       type esc 'Or'
set vtkey pa3          xclock  keyreset       type esc 'Os'
set vtkey pf1          xclock  keyreset       type esc 'l'
set vtkey pf10         xclock  keyreset       type esc '0'
set vtkey pf11         xclock  keyreset       type esc '!'
```

```

set vtkey pf12      xclock keyreset type esc '@'
set vtkey pf13      xclock keyreset type esc '#'
set vtkey pf14      xclock keyreset type esc '$'
set vtkey pf15      xclock keyreset type esc '%'
set vtkey pf16      xclock keyreset type esc '^'
set vtkey pf17      xclock keyreset type esc '&'
set vtkey pf18      xclock keyreset type esc '*'
set vtkey pf19      xclock keyreset type esc '('
set vtkey pf2       xclock keyreset type esc '2'
set vtkey pf20      xclock keyreset type esc ')'
set vtkey pf21      xclock keyreset type esc esc '1'
set vtkey pf22      xclock keyreset type esc esc '2'
set vtkey pf23      xclock keyreset type esc esc '3'
set vtkey pf24      xclock keyreset type esc esc '4'
set vtkey pf3       xclock keyreset type esc '3'
set vtkey pf4       xclock keyreset type esc '4'
set vtkey pf5       xclock keyreset type esc '5'
set vtkey pf6       xclock keyreset type esc '6'
set vtkey pf7       xclock keyreset type esc '7'
set vtkey pf8       xclock keyreset type esc '8'
set vtkey pf9       xclock keyreset type esc '9'
set vtkey por       keyreset type esc '<'
set vtkey print     type esc 'Ox'
set vtkey refresh   keyreset type ^w
set vtkey reset     keyreset type DC2
set vtkey right     type esc '[C'
* set vtkey sysreq  type ????????
set vtkey tab       type tab
set vtkey test      xclock keyreset type esc 'Oy'
set vtkey up        type esc '[A'
set vtkey vtdisc    type esc '~'
set vtkey vtinit    type esc '<'

```

Entries with Special Meanings

The following entries in a *.key* file have special meanings:

Entry	Description
BREAK	Send a break signal only (data are not sent). You can specify a value for the length of the break.
CR	Carriage return - required by Entire Connection when performing file transfers.
HOME	Required by Entire Connection when performing data transfers.
ICR	Immediate Carriage Return - similar to the CR entry except that ICR does not wait for a response from the mainframe or protocol converter. This entry is frequently used when establishing communications.
POR	Simulate a power-on-reset function. It is possible that the required escape sequence is not supported by your protocol converter, or that it can only be invoked from the main menu of the protocol converter.
REFRESH	Inform the protocol converter that the screen display needs to be refreshed.
VTDISC	VT disconnect - terminate the connection with the protocol converter.
VTINIT	VT initialize - establish a connection with the protocol converter.

Mnemonic Names

The following table contains all allowed mnemonic names for the hexadecimal values X'00' through X'1F'. The columns labeled "Alternative 1" and "Alternative 2" contain additional mnemonic names that can be used to transmit a particular hexadecimal value.

Note:

The caret (^) symbol is the internal representation for the CTRL key.

Hex. Value	Mnemonic Name	Alternative 1	Alternative 2
X'00'	^@	NUL	
X'01'	^A	SOH	
X'02'	^B	STX	
X'03'	^C	ETX	
X'04'	^D	EOT	
X'05'	^E	ENQ	
X'06'	^F	ACK	
X'07'	^G	BEL	
X'08'	^H	BS	
X'09'	^I	HT	
X'0A'	^J	LF	
X'0B'	^K	VT	
X'0C'	^L	FF	
X'0D'	^M	CR	

Hex. Value	Mnemonic Name	Alternative 1	Alternative 2
X'0E'	^N	SO	
X'0F'	^O	SI	
X'10'	^P	DLE	
X'11'	^Q	DC1	XON
X'12'	^R	DC2	
X'13'	^S	DC3	XOFF
X'14'	^T	DC4	
X'15'	^U	NAK	
X'16'	^V	SYN	
X'17'	^W	ETB	
X'18'	^X	CAN	
X'19'	^Y	EM	
X'1A'	^Z	SUB	
X'1B'	^[ESC	
X'1C'	^\ ^_	FS	
X'1D'	^J	GS	
X'1E'	^^	RS	
X'1F'	^_	US	