

## SPECIAL FUNCTION AND CONTROL KEYS

**Alt** + **Ctrl** + **Del**  
System Reset.

**Alt** + **Ctrl** + **Esc**  
Invoke ROM monitor.

**Ctrl** + **Scroll Lock/Break**  
Break-interrupt current operation.

**Ctrl** + **C**  
Break-interrupt current operation.

**Shift** + **PrtSc**  
Print contents of screen display.

**Ctrl** + **P**  
Turn printer echo feature on/off.

**Ctrl** + **Retrn**  
Continue entering line on next display line.

**Ctrl** + **J**  
Continue entering line on next display line.

**Esc**  
Cancels the current line.

**Ctrl** + **S**  
Suspend output to the screen; press any key to continue.

**Ctrl** + **Num Lock**  
Suspend output to the screen; press any key to continue.

**Tab**  
Moves the cursor eight spaces to the right.

**Backspace**  
Deletes character and backspaces.

**Ctrl** + **H**  
Deletes character and backspaces.

**Ctrl** + **Alt** + **↵**  
Change speed of ITT XTRA XP.

## ITT DOS EDITING KEYS

**→** or **F1**  
Copies one character from the template to the screen.

**F2**  
Copies characters up to the character specified in the template and puts these characters on the screen.

**F3**  
Copies all remaining characters in the template to the screen.

**Del**  
Skips over (does not copy) a character

**F4**  
Skips over (does not copy) the characters in the template up to the character specified (the opposite of F2).

**Esc**  
Cancels the line currently displayed on the screen; leaves the template unchanged.

**Ins**  
Enters/exits insert mode.

**F5**  
Makes the new line the new template.

## EDLIN COMMANDS

<b>[n] A</b>	Appends Lines
<b>[line], [line], line, [count] C</b>	Copies Lines
<b>[line] [,line] D</b>	Deletes Lines
<b>[line]</b>	Edits Line
<b>E</b>	Ends Edit
<b>[line] I</b>	Inserts Lines
<b>[line] [,line] L</b>	Lists Lines
<b>[line], [line], line M</b>	Moves Lines
<b>[line] [,line] P</b>	Pages 23 Lines
<b>Q</b>	Quits Edit
<b>[line] [,line] [?] R [string 1] [ F6 ]</b>	Replaces Text
<b>[line] [,line] [?] S string Retrn</b>	Searches Text
<b>[line] T filename</b>	Transfers Lines
<b>[n] W</b>	Writes Lines

## DEBUG COMMANDS

<b>A [address]</b>	ASSEMBLE - Assembles statements
<b>C range address</b>	COMPARE - Compares memory
<b>D [range]</b>	DUMP - Displays memory
<b>E address [list]</b>	ENTER - Changes memory values at specified address
<b>F range list</b>	FILL - Fills addresses in the range with values in the list
<b>G [= address [address...]]</b>	GO - Executes program in memory with optional breakpoints
<b>H value value</b>	HEX - Performs hexadecimal add/subtract
<b>I value</b>	INPUT - Inputs/displays input byte from designated port
<b>L [address [drive record record]]</b>	LOAD - Loads file or absolute diskette sectors into memory
<b>M range address</b>	MOVE - Moves block of memory to specified address
<b>N filename [filename...]</b>	NAME - Defines files and parameters
<b>O value byte</b>	OUTPUT - Sends byte to designated output port
<b>Q</b>	QUIT - Ends DEBUG program
<b>R [registername]</b>	REGISTER - Displays CPU registers/flags
<b>S range list</b>	SEARCH - Searches for characters
<b>T [= address] [value]</b>	TRACE - Executes and displays
<b>U [range]</b>	UNASSEMBLE - Unassembles instructions
<b>W [address [drive record record]]</b>	WRITE - Writes file or absolute diskette sectors

## ITT XTRA™ Personal Computer Quick Reference



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## ITT DOS COMMANDS

The following notation is used in DOS command descriptions to better show how commands should be entered:

1. Enter any words shown in **BOLD CAPITAL LETTERS**. These words are called KEYWORDS and must be entered exactly as shown. You can enter these keywords in any combination of upper/lowercase; DOS will convert all keywords to uppercase.
2. Supply the text for any items shown in *lowercase italic letters*. For example, you should enter the name of your file when *filename* is shown in the format.
3. Items in square brackets [ ] are optional. If you wish to include optional information, do not include the square brackets, only the information within the brackets.
4. An ellipsis ... indicates that you may repeat an item as many times as you want.
5. Include all punctuation where shown (with the exception of square brackets), such as commas, equal signs, question marks, colons, or slashes.
6. A vertical bar | separates multiple arguments from which you must choose only one; for example, ON|OFF indicates that you may select either ON or OFF as a part of the command.

**ASSIGN [d=d [...]]**  
Redirects drive requests.

**[d:\path\] ATTRIB [+/-R] [d:\path\] filename.ext**  
Converts a file to read-only.

**BACKUP [d:\path] [\filename] .ext d: [/S] [/M] [/A] [/D:mm-dd-yy]**  
Backs up hard disk files on ITT DOS formatted diskettes.

**BREAK [ON|OFF]**  
Sets Break (or Ctrl-C) check.

**CHDIR [ [d:\pathname]**  
Changes the directory of the current or designated drive to a different path; displays current (working) directory.

**CHKDSK [d:] [filename] [/F] [/V]**  
Scans the directory of the specified drive and checks for consistency; provides a disk and memory space report.

**CLS**  
Clears the monitor screen.

**COPY [/A] [/B] [d:\pathname\] filename .ext [/A] [/B] [d:\pathname\] [filename] .ext [/A] [/B] [/V]**  
Copies one or more files to the same disk or to another disk. You can give the copies different names if you so desire.

**CTTY device**  
Allows you to change the device from which you issue commands (TTY represents the video monitor and keyboard).

**DATE [mm - dd - yy]**  
Displays or sets the date. This date will be recorded in the directory for any files you create or alter.

**DIR [d:] [\pathname] [\filename] [/P] [/W]**  
Displays a list or directory or all the files that are on the diskette.

**DISKCOMP [d:] [d:] [/1] [/8]**  
Compares the contents of two diskettes.

**DISKCOPY [d:] [d:] [/1]**  
Copies the contents of the disk in the source drive to the disk in the destination drive.

**ERASE [d:] [pathname] [filename]**  
Erases or deletes any disk file(s) that you designate.

**EXE2BIN filename [d:] [filename] .ext ]**  
Converts .EXE executable files to binary format. This results in a saving of disk space and faster program loading.

**EXIT [d:] [\pathname]**  
Exits the program COMMAND.COM (the command processor) and returns to a previous level of COMMAND.COM, if a secondary processor exists.

**FIND [/V] [/C] [/N] "string" [ [d:] [\pathname] \filename]**  
Searches for a specific string of text in a file or files.

**FORMAT [d:] [/S] [/8] [/1] [/V] [/I] [/C]**  
Formats the disk in the specified drive to accept DOS files. Verifies entire diskette for any defective sectors.

**GRAPHICS**  
Allows you to dump graphics display images to dot matrix printer.

**HDFMT d: [/S] [/V] [/E] [/C]**  
Formats the hard disk partition assigned to ITT DOS.

**HDSETUP**  
Divides hard disk into distinct partitions to be used by separate operating systems.

**[d:] LABEL [d:] [volume label]**  
Allows you to create, change, or delete a disk label.

**MKDIR [d:] \pathname**  
Makes a new directory.

**MORE**  
Displays output on the monitor one screen at a time.

**MOVEBLOK**  
Lets your program access the ITT XP extended memory.

**PATH [ [d:] \pathname ; [d:] \pathname ] ...]**  
Sets a command search path.

**PRINT [ [d:] [filename] [/T] [/C] ...]**  
Prints a text file on a line printer while you are processing other DOS commands (this feature is typically called "background printing").

**PROMPT [prompt-text]**  
Changes the DOS command prompt.

**RECOVER [d:] [pathname] filename**  
Recovers a file or an entire disk containing bad sectors.

**REN [AME] [d:] [pathname] filename filename**  
Changes the name of the first filename that you designate to the second filename.

**RESTORE d: [d:] [\path] [\filename] .ext [/S] [/P]**  
Restores to the hard disk the diskette files previously saved with the BACKUP command.

**RMDIR [d:] [\pathname]**  
Removes a directory from a hierarchical directory structure.

**SET [string = string]**  
Sets one string value equivalent to another string for use in later programs.

**SETUP**  
OR  
**SETUP LPTn [: [c] [,] [/] [,P] ]]**

OR  
**SETUP mode [, [s], [T] ]**  
OR  
**SETUP COMn [: [baud], [parity], [databits], [,stopbits], [,P]**

OR  
**SETUP LPTn : = COMn**  
Sets the parameters for the printer, monitor, and asynchronous communication.

**SORT [/R] [/ +n] [oldfilename > newfilename]**  
Sorts ASCII data forward or backward, then writes the results to your monitor screen or files.

**SPEED s**  
Sets the ITT XP to fast or slow mode.

**SPINDOWN**  
Prepares the hard disk to be relocated.

**SYS d:**  
Transfers DOS system files from the disk in the default drive to the disk in the drive specified by d:.

**TIME [hh [: mm:ss.cc] ]**  
Displays or sets the time of day.

**TREE [d:] [/F]**  
Displays the disk volume label and each of the subdirectories on the designated drive.

**TYPE [d:] [pathname] filename**  
Displays contents of a file on the video screen.

**DEVICE =[d:] [\path] VDISK.SYS [kbytes] [sector size] [directory entries] [/E]**  
Allows you to partition your system into simulated disk drives.

**VER**  
Prints DOS version number.

**VERIFY [ON|OFF]**  
Turns the verify switch on or off when writing to disk.

**VOL [d:]**  
Prints volume identification name or number, if it exists.

## BATCH COMMANDS

**ECHO [ON|OFF message]**  
Turns batch file echo feature on/off.

**FOR % % c IN (set) DO command**  
Batch processing command extension.

**FOR % c IN (set) DO command**  
Interactive processing command extension.

**GOTO label**  
Batch command extension.

**IF condition command**  
Batch command extension.

**PAUSE [comment]**  
Causes the system to pause and wait for a keystroke from the keyboard.

**REM [comment]**  
Displays remarks which are on the same line as the REM command in a batch file during execution of that batch file.

**SHIFT**  
Allows access to more than ten replaceable parameters in batch file processing.