NAME

TI700 – TI 745, 735, and 725 terminals

DESCRIPTION

The TI745 (and to a lesser extent, the TI735) are lighter and smaller than the older TI725, and their keyboards are more suitable for general-purpose UNIX usage. In particular, the DEL key and backslash are favorably placed, and they provide an underscore in place of the 725's back-arrow. *Nroff(I)* output is thus more readable on the 745 and 735. Output is printed on thermal paper, with a carriage width of 80 characters. The TI745 accepts a smaller roll of paper than the others, but is much more portable.

COMMANDS TO ISSUE AFTER LOGIN

stty –tabs nl0 cr2

This requests UNIX to simulate standard UNIX tab stops (every 8 columns). It also lessens carriage return and line feed delays to the minimum acceptable to the terminal. If the terminal cannot print something at this setting, various other settings may be tried. At the **nl0 cr2** setting, it takes about 65 seconds per page of C program, and 93 seconds per page of *nroff* output (UNIX Manual page). Usable settings and their relative time ratios are as follows:

nl0 cr2	1.00
nl0 cr1	1.03
nl0 cr3	1.06
nl2 cr2	1.08
nl2 cr3	1.14

The lack of hardware tabs causes these terminals to require about 15-20% more time than 300-baud terminals providing tabs.

NORMAL SWITCH SETTINGS (745)

Most switches are right-left toggles in front of the keyboard.

UPPER CASE (left front) – right side depressed
HALF DUP (right front) – right side depressed
LOW SPEED (right front) – right side depressed
ON LINE (right front) – left side depressed
MARK-EVEN-ODD (right rear) – EVEN
ON-OFF (right rear) – toggle back

NORMAL SWITCH SETTINGS (735-725)

Most of the switches are on the upper left side of the terminal:

LINE FEED – SINGLE
SPEED – 30
DUPLEX – FULL
PARITY – EVEN
INTERFACE – INT

In addition, the PWR switch must of course be turned on, and the ON LINE switch depressed. You will be in local mode otherwise, and get no response whatsoever.

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SPECIAL CHARACTERS

To generate a Horizontal Tab character from the keyboard, hold CTRL down and hit "i".

You can interrupt an executing program with either the DEL or BREAK keys.

COMMON PROBLEMS

NO LINE FEED OCCURS WHEN RETURN HIT; NO SYSTEM RESPONSE TO RETURN – you are in a mode where there is no conversion of RETURN to CR-LF echoed to your terminal. There are two situations. First, either the terminal or coupler switch may be set to HALF-DUPLEX, and you may have asked to suppress echoing because you were getting double characters. Change the switches to FULL-DUPLEX, and issue a **stty echo** command. The second case is that a **stty nl** command has been done, or some equivalent action, such as using LINE FEED rather than RETURN during your login sequence. Issue the command **stty −nl,** but terminate it with a LINE FEED, not a RETURN. This will restore the terminal to the normal state, allowing convenient use of RETURN again.

SEE ALSO

stty(I), terminals(VII)