

# HP 125 Business Assistant



---

## HP 125 UTILITIES MANUAL

---



General Systems Division  
978 E. Arques Avenue, Sunnyvale, California 94086

**HP Computer Museum**  
**[www.hpmuseum.net](http://www.hpmuseum.net)**

**For research and education purposes only.**

# Printing History

New editions of this manual will incorporate all material updated since the previous edition. Update packages may be issued between editions and contain replacement and additional pages to be merged into the manual by the user. Each updated page will be indicated by a revised date at the bottom of the page. Note that pages which are rearranged due to changes on a previous page are not considered revised.

The manual printing date and part number indicate its current edition. The printing date changes when a new edition is printed (Minor corrections and updates which are incorporated at reprint do not cause the date to change.)

First Edition . . . . . Mar 1982

# Table of Contents

---

**Chapter 1 Using Block-Format/125**

---

|  |     |
|--|-----|
| Introduction .....                         | 1-1 |
| Installing Block-Format/125 .....          | 1-3 |
| Loading and Running Block-Format/125 ..... | 1-3 |
| HP 125 Keys Affected in Format Mode .....  | 1-6 |



# USING BLOCK-FORMAT/125



## Introduction

Block-Format/125 is a program which provides your HP 125 with the terminal capabilities necessary to run application programs which use V/3000. With block mode, characters are stored in the terminal as they are typed. They are not sent to the host computer until you press the ENTER key. This enables you to edit your data before sending it to the computer. With format mode, the screen of your HP 125 is divided into protected and unprotected fields. Protected fields contain information, such as titles, which cannot be modified. Unprotected fields are where you enter the actual data; when in format mode, only the data in unprotected fields is transferred.

When Block-Format/125 is loaded, you will notice that your HP 125 behaves a little differently. The following changes are apparent:

- Certain keys react differently when format mode is active. Refer to the section at the end of this chapter titled "HP 125 Keys Affected in Format Mode" for a list and description of the key reactions.

- Display memory is reduced from five pages to two.
- Format mode sequences are monitored, reducing data communications speed slightly.
- You are allowed to create forms, for use in remote mode, with a form building utility such as the HP 3000's FORMSPEC program.
- You can now run programs that display forms, type needed information into the form, and press ENTER to transmit it.

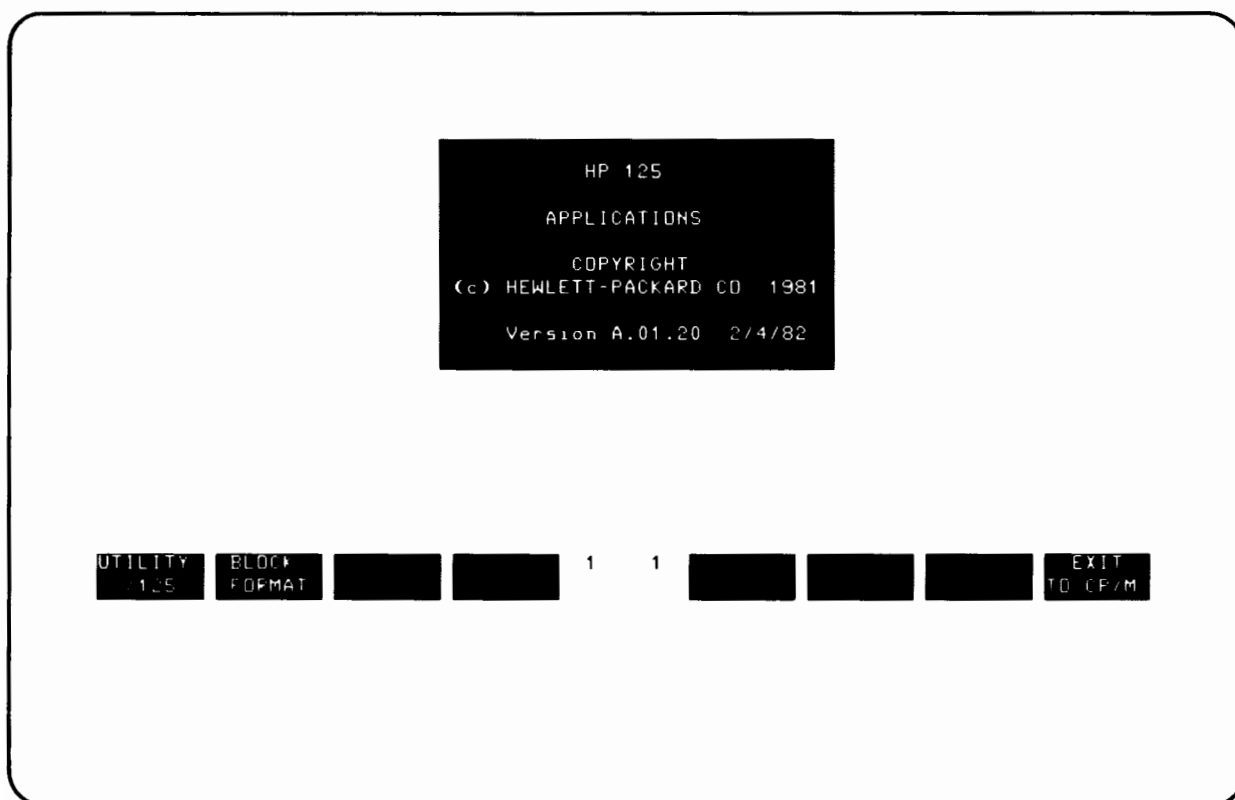
The Block-Format/125 program enables your HP 125 to emulate a block mode terminal, such as the HP 2622. If you have used another block mode terminal, there are several important differences to note in the way the HP 125 operates, including the following:

- All display enhancements (inverse video, half-bright, underline, and blinking) appear as half-bright inverse video fields. If your application tries to highlight a field that contains an error with one of the display enhancements, it will not show up.
- Memory lock is only partially implemented with Block-Format/125. Data will not scroll out of screen memory when memory lock is enabled. However, display lock is not implemented to hold lines at the top of the display.
- The location of the display enhancements is frozen while in Format mode. With some block mode terminals, the end points of an enhanced field within an unprotected field may be moved left or right with the DELETE CHAR and INSERT CHAR keys, respectively.
- Some block mode terminals integrate format capability with a data logging feature so that data on a V/3000 screen can be printed onto a pre-printed form, with only the unprotected data transferred. The HP 125 Format capability is not integrated with logging.
- Some application programs shift to an alternate character set to prevent certain information from being displayed on the terminal (using the shift in/shift out characters). The HP 125 will display this data exactly as transmitted rather than shifting to an alternate character set.
- Block terminator characters (written to display memory by an application program for use as record separators in a block of data) are ignored by the HP 125.
- An extra line may be allocated on the HP 125 after a block-page read.

## Installing Block-Format/125

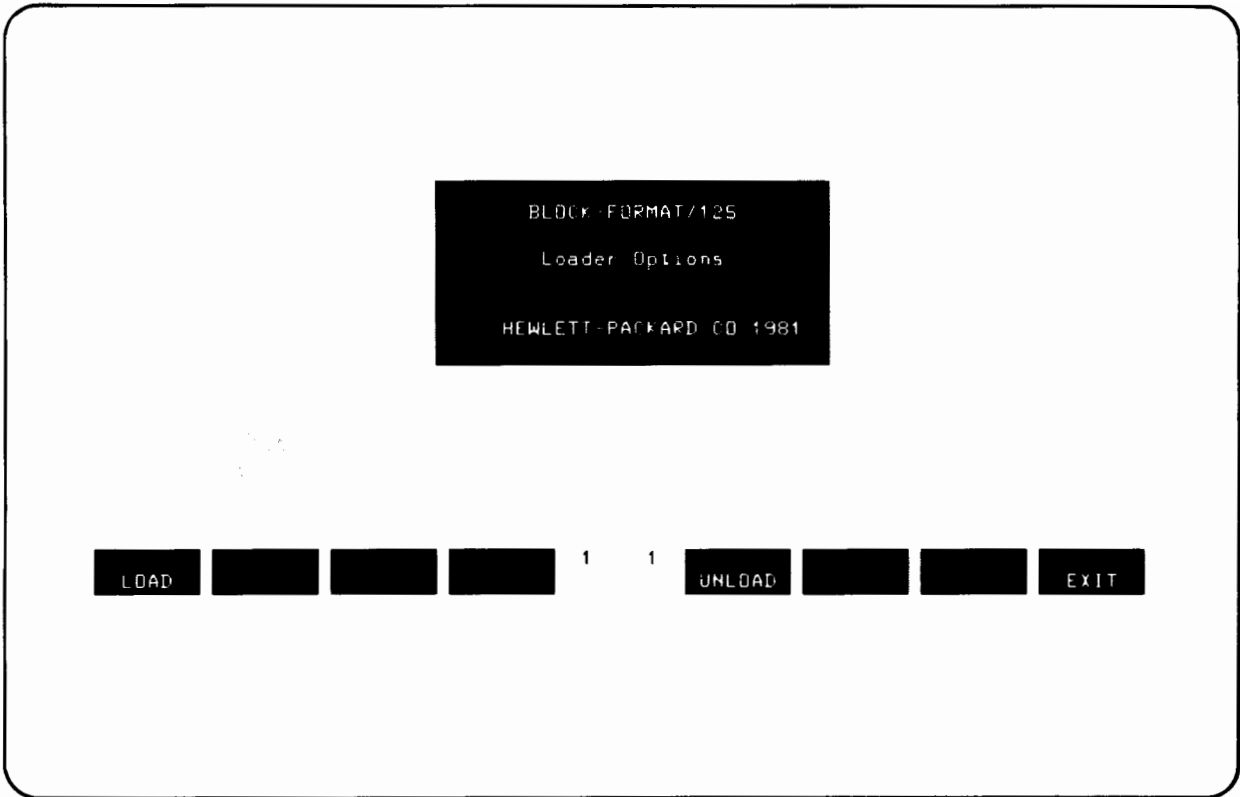
The Block-Format/125 utility program is included on the disc labeled HP 125 Utilities. While it is a utility program, Block-Format/125 is installed onto a work disc like other HP 125 applications (e.g. WORD/125, VISICALC/125). Follow the instructions describing how to install an application in the manual titled "Getting Started With Your HP 125". After installing Block-Format/125, a softkey labeled BLOCK-FORMAT appears in the Welcome Menu.

## Loading and Running Block-Format/125



After you have successfully installed the Block-Format/125 program onto a work disc and started your HP 125 up, press the function key labeled BLOCK-FORMAT in the Welcome Menu. After a few seconds, the following screen appears:





LOAD loads the Block-Format/125 program into memory and puts your HP 125 into remote mode.

UNLOAD unloads the Block-Format/125 program from memory and returns you to the Welcome Menu.

EXIT returns you to the Welcome Menu; the Block-Format/125 program remains loaded.

Press the function key labeled LOAD. The following screen appears:

Finished loading Block-Format/125



MODIFY    MODIFY    LOCAL    REMOTE    2    1 TERMINAL    LOAD    DISPLAY    AUTO  
LINE    ALL    OP SYS    MODE    TEST    OP SYS    FUNCTNS    LF

Now press the RETURN key to generate a prompt from the host computer. You can now log onto the host computer and run programs.

When you no longer need to run a program on the host computer, perform the following steps to use your HP 125 as a computer again:

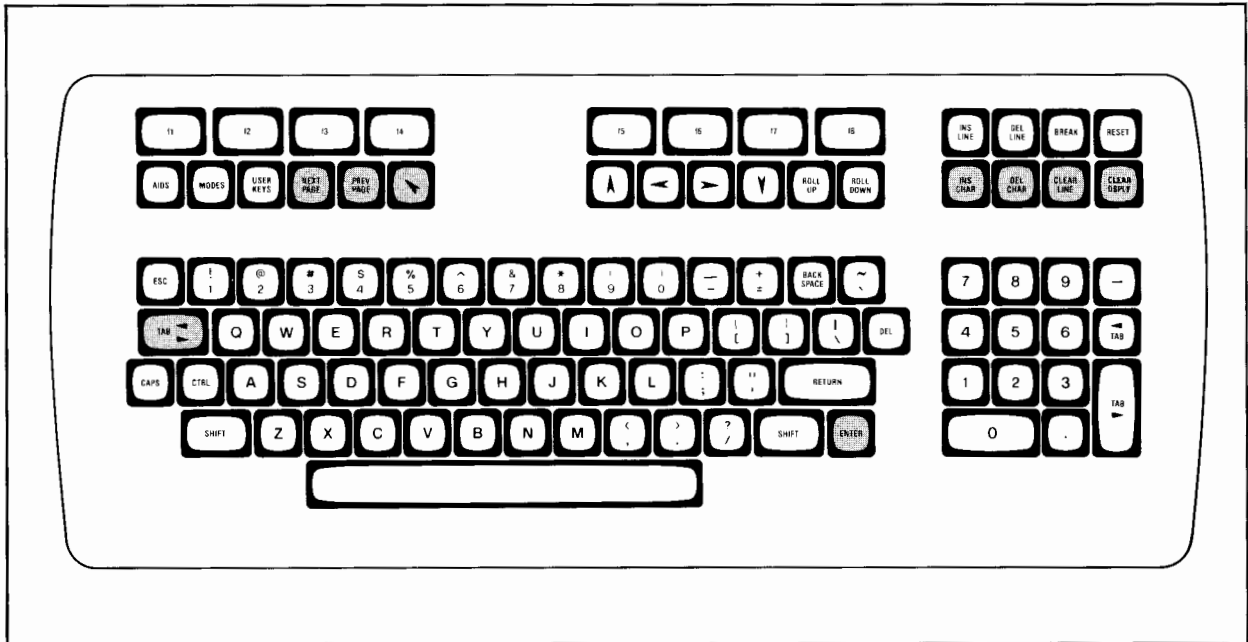
- 1) Log off of the host computer.
- 2) Press the function key labeled LOCAL OP SYS (an asterisk will appear next to the key label).
- 3) Press the function key labeled LOAD OP SYS.

The Block-Format/125 program will remain loaded unless you do one of the following:

- Power the system off.
- Reset your HP 125 by pressing the CTRL, SHIFT, and RESET keys simultaneously.
- Run a local CP/M application such as VISICALC/125, WORD/125, GRAPH/125, or LINK/125. (In this case, your HP 125 beeps when the Block-Format/125 program is no longer available.
- Press the UNLOAD key as described on page 1-4.

## HP 125 Keys Affected in Format Mode

As described earlier, certain keys on your HP 125 keyboard react differently when Format Mode is active. Below is a picture of the HP 125 keyboard in which the keys affected are shaded. Each shaded key is then described in detail.



Blanks replace all unprotected characters from the current cursor position to the end of memory.



In an unprotected field, blanks replace all display and characters from the current cursor position to the end of the field. When the cursor is in a protected field, there is no effect.



When the cursor is in an unprotected field, the current character is deleted by shifting the remaining characters in the field one position to the left. When the cursor is in a protected field, there is no effect.



This key enters or exits INSERT mode; when you enter data in INSERT mode, the cursor reacts as follows. When the cursor is in an unprotected field, characters are inserted before the cursor. When the cursor is in a protected area, it moves to the next unprotected field and begins inserting before the first character. (In either case, the remaining characters in the field are shifted right one position, while the character typed is put in the current position and the cursor is moved one position to the right.) If you continue to insert characters after the field is full, the last character(s) of the field are lost. If you fill the field with insertion characters, the cursor will move to the next unprotected field and begin inserting there.



Moves the cursor to the next unprotected field (moving left to right and top to bottom). When the [TAB] key is pressed while the cursor is in the last unprotected field, the cursor will move to the beginning of the first field.



Moves the cursor to the previous unprotected field.



Displays the next 24 lines of the form.



Displays the previous 24 lines of the form.



Positions the cursor at the beginning of the first unprotected field. If no fields have been defined, the cursor appears in the first row on the screen.



Moves the cursor to the beginning of the line following the last non-empty line on the screen.



Transfers the block of data from the display memory to the host computer; the keyboard is locked until the data transfer is complete. Precisely what data gets transmitted is dependent on the following: whether the terminal is in format mode, and the settings of some fields in the terminal configuration menu. See the HP 2622A Reference Manual for more details.



