

Eventide
the next step

INSTRUCTION MANUAL

EVENTIDE MODEL WKBP-4A MEMORY BOARD
FOR HEWLETT-PACKARD DESKTOP COMPUTER
HP SERIES 200 (9816, 9826, 9836)

PLEASE NOTE: The WKBP-4A is identical to the WKBP-4 board in operation, EXCEPT that the memory block switch setting is slightly different. If you have both WKBP-4A and WKBP-4 boards, please refer to the appropriate manual for the proper switch settings.

WKBP-4A INSTRUCTION MANUAL

The Eventide WKBP-4A is a memory board designed for installation in the Hewlett-Packard Series 200 (9816, 9826 and 9836) computers. This board stores 256K bytes of data for use by the host computer. Although it requires only one rear-panel accessory slot, the board has a storage capacity equivalent to four HP original equipment boards (part #09826-66522), and is equivalent to the new HP quad density boards (#98256A).

It is possible to install any combination of up to eight Eventide and HP memory boards. This total may be reduced by the presence of other accessories, such as language ROM's, I/O cards, etc. Installing eight Eventide boards results in the availability of over 2 megabytes of memory!

For the computer to function correctly, and for all the memory to be usable, it is necessary to set the configuration switches on both the Eventide and HP boards correctly. This assures that memory appears to the computer as a contiguous "block" without any gaps. Because each Eventide board is equivalent to four HP boards, its switch settings are "coarser." In order to use the boards in combination, it is usually necessary to configure the Eventide boards first, and then set the HP board switches.

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*                               CAUTION                               *
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* Both Eventide and HP memory boards use                          *
* components that are sensitive to static                          *
* electricity. Before installation, they                            *
* should be kept in and be handled by their                        *
* antistatic envelopes or foil wrapping.                            *
*
* BEFORE INSTALLATION:  Turn computer                               *
*                       power OFF.                                  *
*
* DURING INSTALLATION:  Hold the board in                           *
*                       one hand, and touch                          *
*                       the computer chassis                         *
*                       with the other hand.                         *
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Any board may be installed in any PHYSICAL slot. The switches are labelled 1 through 6. A switch is ON when it is toward the outside of the board, OFF when it is toward the inside (connector fingers.)

Only switches 6, 5, and 4 should be set according to the table below. Switches 1, 2, and 3 should always be OFF.

EVENTIDE MEMORY BOARD #	ADDRESS BLOCKS	SWITCH SETTINGS		
		6	5	4
1	FF, FE, FD, FC	OFF	OFF	OFF
2	FB, FA, F9, F8	ON	OFF	OFF
3	F7, F6, F5, F4	OFF	ON	OFF
4	F3, F2, F1, FO	ON	ON	OFF
5	EF, EE, ED, EC	OFF	OFF	ON
6	EB, EA, E9, E8	ON	OFF	ON
7	E7, E6, E5, E4	OFF	ON	ON
8	E3, E2, E1, E0	ON	ON	ON

In most cases, you will also have one or more HP boards to install. After setting the Eventide boards, set the HP board(s) to consecutive blocks starting at the first block not occupied by the Eventide board(s).

EXAMPLE

You have two Eventide boards and two HP boards. Set the first Eventide board to FF through FC by setting switches 6, 5, and 4 to OFF. Set the second to FB through F8 by setting switches 6, 5, and 4 to ON, OFF, OFF respectively. Refer to the table above and observe that the first unoccupied block is F7. Set the HP board to F7 by setting switches 1 through 8 to "11101111". Set the next HP board to block F6 by setting the switches to "01101111". Refer to the manuals furnished with your computer for further information on setting the HP board switches.

NOTE: If you are mixing Eventide and HP quad density boards, refer to HP's instructions for setting the addresses of their boards. This information was not available to us as of the printing of this manual.

CHECKOUT

The memory is automatically tested when the computer is turned on. If there is a problem, the computer displays a message indicating its nature. Since almost all systems will have several boards, it should be simple to determine which of the memory boards is at fault.

If any board does not seem to be "recognized", remove it and carefully check the switch settings. Try clearing and re-setting them. If you

are sure of your settings and the board still is not recognized, call Eventide for assistance if the problem seems in any way associated with our board. If the problem is manifested with only HP boards installed, feel free to call us anyway, although of course HP will also be happy to assist.

Both the Eventide and HP boards are protected (and protect the computer) by the presence of a small fuse connected between the power supply and the circuitry of the memory board. The condition of this fuse may be determined by an ohmmeter or other resistance measuring device. If a board becomes defective and this fuse appears to be open, we do not recommend replacing the fuse without consulting the board's manufacturer.

OTHER EVENTIDE PRODUCTS AND SERVICES

Eventide is one of the world's foremost manufacturers of digital signal processing equipment. Our equipment is used by most major broadcast and recording facilities, as well as by many research and government laboratories. We specialize in audio-bandwidth real-time signal manipulation equipment.

In addition to the WKBP-4A memory board for the HP 9816/26/36, we make high-density memories for the HP 9845B/C desktops and products for and incorporating other HP desktops. We have unique capabilities in the HP compatible area and are available to discuss your needs.

WARRANTY

The Eventide WKBP-4A board is warranted for ONE YEAR from the date of shipment against defects in material and workmanship.

In case of defect, we will promptly repair or replace any board and ship it via UPS Blue Label (AIR) to any location in the United States served by UPS at our expense. Alternate methods of shipment can be arranged at customer request and expense.

The Warranty DOES NOT COVER:

- Boards physically damaged due to abuse or negligence.
- Boards electrically damaged by application of improper voltages.
- Boards shipped without appropriate static protection (see above CAUTION) if, in our opinion, this is the cause of the defect.
- Customs or other expenses associated with international shipments.
- Consequential or other damages caused by the unavailability of the board due to electrical failure or any other reason.

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digital delay lines
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