

HP Consumer Support

VGA and CPU Frequency Settings

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VGA interrupt selection (VIRQ)

CPU to BUS frequency ratio (BF0, BF1, BF2, BF3)

This document explains the VGA interrupt selection (VIRQ) jumpers and the CPU to BUS frequency ratio (BF0, BF1, BF2, and BF3) jumpers for the HP Pavilion 6340, 6346, 6337, and 6355 Desktop PCs .



NOTE: This document describes procedures that are technical. The person performing the procedures should have extensive computer experience working with both hardware and software to avoid damaging the PC.

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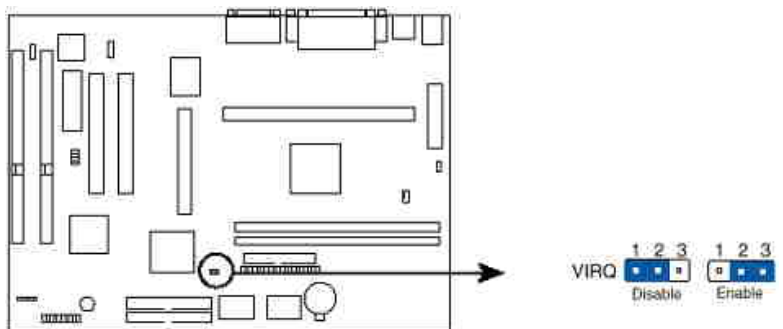
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VGA interrupt selection (VIRQ)

These jumpers allow you to set the VGA interrupt method. The default is to disable the internal interrupt routing. If you are using a video capture card or other similar device, it may require that you set this to Enable to allow the interrupt to be assigned by the onboard chipset.

Figure 1: VIRQ jumper location



VIRQ	Setting
Disable	1-2 (default)
Enable	2-3

Back to top

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CPU to BUS frequency ratio (BF0, BF1, BF2, BF3)

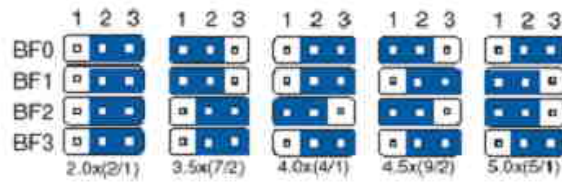
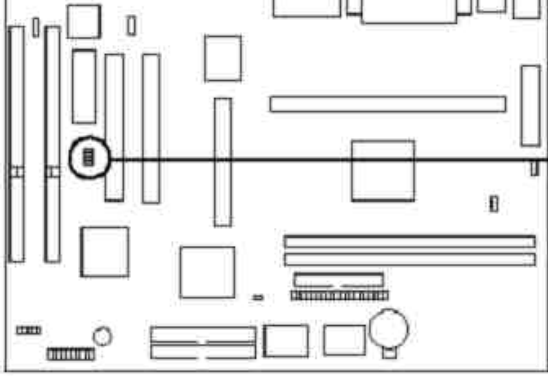
These jumpers set the frequency ratio between the internal frequency of the CPU and the external frequency (called the BUS Clock) within the CPU.

Figure 2: CPU to BUS frequency ratio jumper settings



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Frequency Ratio						
CPU Freq. (MHz)	Ratio	Bus Freq. (MHz)	BF0	BF1	BF2	BF3
333	5.0 x	66	2-3	1-2	1-2	2-3
300	4.5 x	66	1-2	2-3	1-2	2-3
266	4.0 x	66	2-3	2-3	1-2	2-3
233	3.5 x	66	1-2	1-2	2-3	2-3



CAUTION: Overclocking the processor is not recommended. It may result in a slower speed and can damage the processor or motherboard. Voltage Regulator Selection (VID) is not needed for the Pentium (R) II processor because it sends a VID signal directly to the onboard power controller.

[Back to top](#)

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