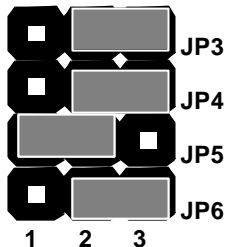# Setting Jumpers

Jumper Settings

Jumper	Type	Description	Setting (*default*)
JP1	3-pin	Clear CMOS	1-2: Normal *2-3: Clear CMOS* **JP1** 1 ▣▢
JP3~JP6	12-pin	CPU Clock Ratio	Refer to next page JP3 JP4 JP5 JP6 1 2 3
JP9	2-pin	BIOS flash protection	Short: Enable *Open: Disable* **JP9**
JP10	3-pin	AC power resume	1-2: Enable *2-3: Disable* **JP10** 1

Jumper 1 – Enables you to clear the BIOS. Follow these instructions:

1. Turn the system off.
2. Short pins 1 and 2 on jumper 1.
3. Return the jumper to the normal setting.
4. Turn the system on. The BIOS is returned to the default settings.

Jumper 3 ~ Jumper 6 – Use these 3 x 4 pin jumpers to manually set the CPU clock ratio. Refer to the following table to set the CPU clock ratio for your processor by shorting the pins indicated.

Fraction	Short pins			
	JP3	JP4	JP5	JP6
3.0/8.5	2-3	2-3	1-2	2-3
3.5/9.0	2-3	2-3	1-2	1-2
4.0	2-3	1-2	2-3	2-3
4.5/11.5	2-3	1-2	2-3	1-2
5.0/12	2-3	1-2	1-2	2-3
5.5/13	2-3	1-2	1-2	1-2
6.0/14.0	1-2	2-3	2-3	2-3
6.5/15.0	1-2	2-3	2-3	1-2
7.0/16.0	1-2	2-3	1-2	2-3
7.5	1-2	2-3	1-2	1-2
8.0	1-2	1-2	2-3	2-3
9.0	2-3	2-3	1-2	1-2
9.5	2-3	2-3	2-3	1-2
10.0	1-2	1-2	2-3	1-2
10.5	2-3	1-2	2-3	2-3
11.0	1-2	1-2	1-2	2-3

Jumper 9 – Use this jumper to enable or disable the BIOS flash protection on the mainboard. You should disable this jumper when you want to flash the BIOS.

Jumper 10 – Use this jumper to set the power state after an unexpected shutdown due to AC power interruption.