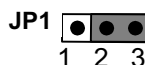


## Appendix 1: Quick Jumper Setting Reference

### **JP1: Clear CMOS memory jumper**

Use this 3-pin jumper to clear all the current data stored in the CMOS memory.

Function	Jumper Cap
Clear CMOS	Short pins 1-2
Normal operation	Short pins 2-3

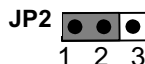


**Note:** In order to boot the system successfully after you have increased the frequency of a processor with an unlocked bus frequency, you might need to clear the CMOS memory using the JP1 jumper.

### **JP2: Keyboard power on jumper**

Use this 3-pin jumper to enable keyboard power on with hot keys or password.

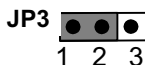
Function	Jumper Cap
Enable keyboard power on	Short pins 1-2
Disable keyboard power on	Short pins 2-3



### **JP3: Flash BIOS jumper**

Use this 3-pin jumper to allow the BIOS CMOS memory to be flashed, i.e. a new BIOS version to be written to the CMOS chip onboard.

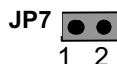
Function	Jumper Cap
Normal operation	Short pins 1-2
Enable Flash BIOS	Short pins 2-3



### **JP7: PAL/NTSC selection jumper**

Use this 2-pin jumper to set the video output from the TV-out port to either PAL or NTSC.

Function	Jumper Cap
Enable PAL	Short pins 1-2
Enable NTSC	Open pins 1-2



**Note:** Any jumpers on your board that are not identified in this manual are for testing purposes only.

**PANEL1: Panel connectors for switches and indicators**

Use the panel connector to implement the switches and indicators on your system case.

Function	Pins
Speaker	+1, 3, 5, 7
Power Indicator	+2, +4, 6
Keylock	8, 10
Green Indicator	13, 14
Hard Disk Indicator	+15, 16
Reset Switch	17, 18
Suspend Switch	19, 20
Power Switch	21, 22

