

Installation Procedures

The VB-601 has several user-adjustable jumpers/switches on the board that allow you to configure your system to suit your requirements. This chapter contains information on the various hardware settings on your motherboard.

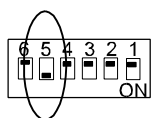
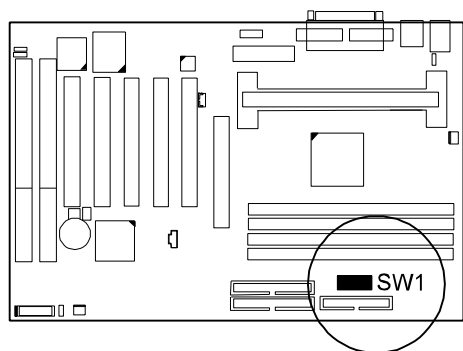
To set up your computer, you should follow these installation steps:

- Step 1 - Set system jumpers/switches
- Step 2 - Install memory modules
- Step 3 - Install the CPU cartridge
- Step 4 - Install expansion cards
- Step 5 - Connect devices
- Step 6 - Set up BIOS feature
- Step 7 - Set up software utilities

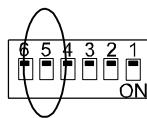
CAUTION: If you use an electric drill to install this motherboard on your chassis, please wear a static wrist strap. The recommended electric drill torque is from 5.0 to 8.0 kg/cm to avoid damaging the chips' pins.

Clear CMOS: SW1-5

The CMOS RAM is powered by the onboard button cell battery. To clear the RTC data: (1). Turn off your computer, (2). Enable it, (3). Turn on your computer, (4). Hold down the Del key during boot up and enter BIOS setup to re-enter user preferences, (5). Turn off the computer, (6). Disable the Clear CMOS feature, (7). Turn on the computer.



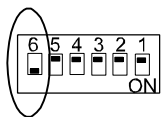
Enable (Clear CMOS)



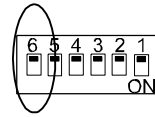
Disable (Default)

Clear Password: SW1-6

This switch allows you to enable or to disable the password settings. You may need to adjust switch if you forget your password. To clear the password setting: (1). Turn off your computer, (2). Enable this feature by setting the SW1-6 to On position, (3). Turn on your computer, (4). Hold down the Delete key when boots and enter BIOS Setup to re-enter user preferences, (5). Turn off your computer, (6). Disable the Clear Password feature by setting the SW1-6 to Off position, (7). Turn on your computer for the new settings to take effect.



Enable (Clear Password)





Disable (Default)

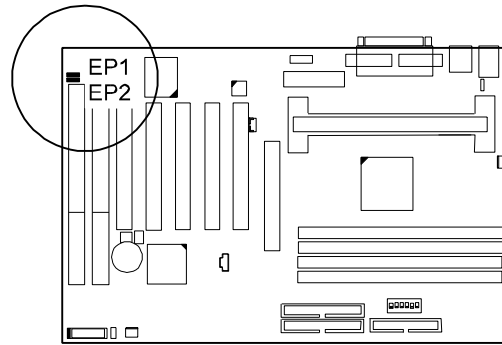
Flash ROM Type Selection: EP1, EP2

These two jumpers allow you to configure the type of flash ROM chip. This jumper setting is correct by manufactory default. If you want to know the flash ROM type installed on this motherboard, remove the sticker from the chip to see its type.

2MB:



MXIC 28F2000TPC **EP1** 
EP2

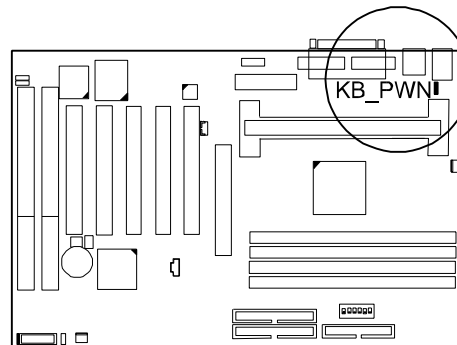
SST 29EE020 **EP1** 
ATMEL AT29C020 **EP2**
AMD AM29F002NT



Keyboard and Mouse Power-On Feature: KB_PWN

The 3-pin jumper provides you with the capability to power on the system by simply touching your keyboard or mouse. To enable this feature, you have to set this jumper and the related BIOS feature, **POWER ON Function**, Page 44, that introduced in **Integrated Peripherals** section in Chapter 3.

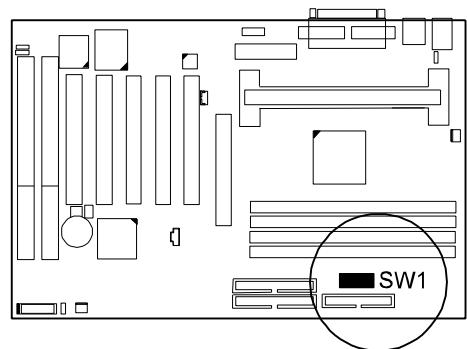
 **Enable**  **Disable (Default)**



NOTE: To use this function and WOL together, your power supply should have a current of 1A at 5 V Stand-by.

CPU Internal Frequency: SW1-1, SW1-2, SW1-3, SW1-4

These four switches are used to decide the internal frequency of the CPU.



Ratio	Bus Frequency = 100MHz	Bus Frequency = 66MHz	Switches Settings
3.5 x	350MHz	233MHz	
4 x	400MHz	266MHz	
4.5 x	450MHz	300MHz	
5 x		333MHz	