

BIOS Setup:

Getting Ready to Install OS from a Bootable OS Installation CD:

- Step 1: Press key to enter the setup, it will get into BIOS Setup Menu.
- Step 2: If doesn't show up, press <CTRL>+<ALT>+ keys simultaneously and after the system reboots, repeat Step 1.
- Step 3: Select "**Load Optimized Defaults**" by pressing the <↓> key.
- Step 4: Press the <ENTER> key and new menu will appear.
- Step 5: Press the <Y> key to load the default.
- Step 6: Press the <ENTER> key and the menu disappears.
- Step 7: Select "**Advanced BIOS Features**" by pressing the <↓> key and press the <ENTER> key.
- Step 8: New menu appears, select **First Boot Device** by using the <↓> key and press the <ENTER> key.
- Step 9: New menu appears, select **CDROM** by using the <↓> key and press <ENTER> key to accept.
- Step 10: Press the <ESC> key to return to "**Main**" menu.
- Step 11: Press the <F10> key to move to "**Save & Exit Setup**" menu.
- Step 12: Press the <ENTER> key since the "**Save & Exit Setup**" is already selected.
- Step 13: New menu appears, press the <ENTER> key to save and exit the setup. The computer will reboot itself and will start seeking for the installation CD and boot from there.



Getting Ready to Install OS or Run from a Bootable Floppy Disk:

- Step 1: Press key to enter the setup, it will get into BIOS Setup Menu.
- Step 2: If doesn't show up, press <CTRL>+<ALT>+ keys simultaneously and after the system reboots, repeat Step 1.
- Step 3: Select "**Load Optimized Defaults**" by pressing the <↓> key.
- Step 4: Press the <ENTER> key and new menu will appear.
- Step 5: Press the <Y> key to load the default.
- Step 6: Press the <ENTER> key and the menu disappears.
- Step 7: Select "**Advanced BIOS Features**" by pressing the <↓> key and press the <ENTER> key.
- Step 8: New menu appears, select **First Boot Device** by using the <↓> key and press the <ENTER> key.
- Step 9: New menu appears, select **FLOPPY** by using the <↑> key and press <ENTER> key to accept.
- Step 10: Press the <ESC> key to return to "**Main**" menu.
- Step 11: Press the <F10> key to move to "**Save & Exit Setup**" menu.
- Step 12: Press the <ENTER> key since the "**Save & Exit Setup**" is already selected.
- Step 13: New menu appears, press the <ENTER> key to save and exit the setup. The computer will reboot itself and will start seeking for the installation floppy disk and boot from there.



Getting Ready to Install OS or Run the OS from a Hard Disk Drive:

- Step 1: Press key to enter the setup, it will get into Setup Menu.
- Step 2: If doesn't show up, press <CTRL>+<ALT>+ keys simultaneously and after the system reboots, repeat Step 1.
- Step 3: Select **Defaults** tab by pressing the <←> key.
- Step 4: Select **Load Optimized Defaults** by pressing the <↓> key.
- Step 5: Press the <ENTER> key and new menu will appear.
- Step 6: Press the <Y> key to change the default.
- Step 7: Press the <ENTER> key and the menu disappears.
- Step 8: Press the <ESC> key to move to **Exit** menu.
- Step 9: Press the <ENTER> key since the **Save & Exit Setup** is already selected.
- Step 10: New menu appears, press the <ENTER> key to save and exit the setup. The computer will reboot itself and will start seeking for the hard disk drive and boot from there.



BC875PLG

For Intel Pentium 4 mPGA 478-pin Processors with AGP Pro 8X slot, GbE LAN Motherboard

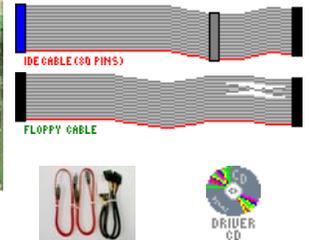
User's Quick Start Guide

Version 1.0

<http://www.bcmcom.com>

Inspect the Package:

- One **BC875PLG Motherboard**
- One **IDE Cable (40Pin 80 wire)**
- Two **SATA cables and one power cord**
- One **Floppy Cable**
- One **Driver & Manual CD**
- One **ATX I/O Shield**
- One **User's Quick Start Card**



Responsibility:

This manual is provided "As-Is" with no warranties of any kind, either expressed or implied, including, but not limited to the implied warranties or conditions of this product's fitness for any particular purpose. In no event shall we be liable for any loss of profits, loss of business, loss of data, interruption of business, or indirect, special, incidental, or consequential damages of any kind, even the possibility of such damages arising from any defect or error in this manual or product. We reserve the right to modify and update the user manual without prior notice.

WARNING: 1.5V 4X/8X AGP ONLY

Intel i875P Chipset will only support 1.5V Graphics adaptor, wrongfully insert a 3.3V graphics card might result to motherboard and graphics card damage.

WARNING: CMOS Battery Damage

Replace your system's CMOS RAM battery only with the identical CR-2032 3V Lithium-Ion coin cell (or equivalent) battery type to avoid risk of personal injury or physical damage to your equipment. Always dispose of used batteries according to the manufacturer's instructions, or as required by the local ordinance (where applicable). The damage due to not following this warning will void your motherboard's manufacturer warranty.

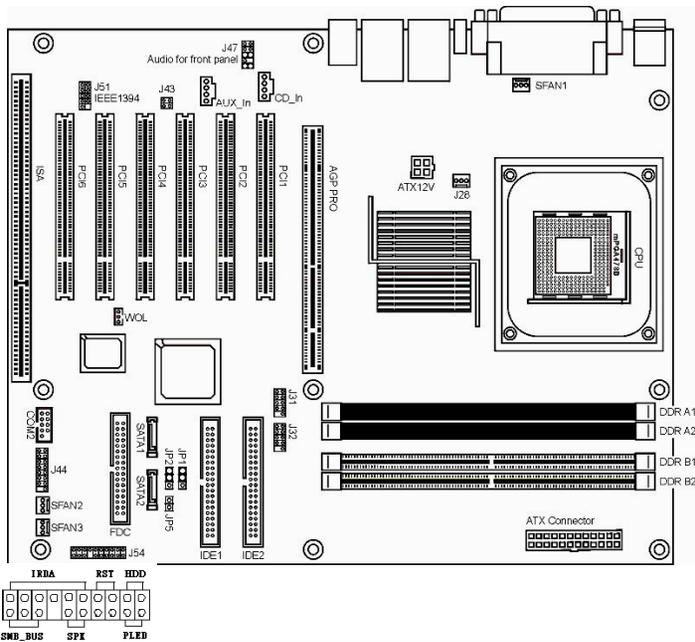
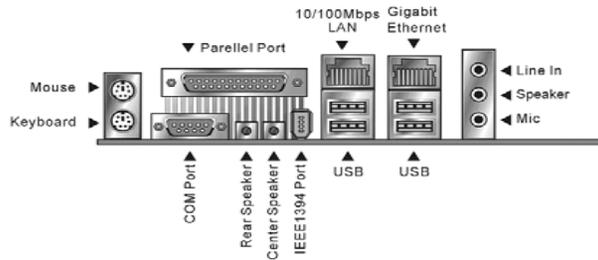
Additional Information:

Additional information on setting this board up can be found in the User's Manual in the provided CD-ROM. The Online User's Manual and FAQ/Knowledge Base can be found on our website by visiting our website: <http://www.bcmcom.com>. If your question is not answered in our FAQ/Knowledge Base, visit our forums and post your messages or submit a new FAQ through FAQ Submittal form for us to add your question in our FAQ with our answer.

ATTENTION: Incorrect BIOS Setup

If you do not know how to handle BIOS setup or how to set it up properly, it is strongly advisable that you do not modify any of the settings than otherwise instructed in the User's Quick Start Card. Even a seemingly small incorrect adjustment or modification in the BIOS setup can render your system unstable or unusable. The incorrect BIOS setup is not covered by your motherboard's manufacturer warranty.

Motherboard Layout:



⚡ WARNING: Electrostatic Sensitive Device (ESD)
 Static electricity can easily damage your motherboard and will void your motherboard warranty. Keep the motherboard and other system components in their anti-static packaging until you are ready to install them. Touch a grounded surface before you remove any system component from its protective anti-static packaging. Unpacking and installation should be done on a grounded, anti-static mat. The operator should be wearing an anti-static wristband, grounded at the same points as the anti-static mat. During configuration and installation touch a grounded surface frequently to discharge any static electrical charge that may have built up in your body. Avoid touching the components when handling the motherboard or a peripheral card. Handle the motherboard and peripheral cards either by the edges or by the peripheral card case-mounting bracket.

⚡ WARNING: Misplaced Jumper Damage
 Incorrect setting jumpers and connectors may lead to damage to your motherboard and will void your motherboard warranty. Please pay special attention not to connect these headers in wrong directions. DO NOT change ANY jumpers while the motherboard has the power!

Install a CPU:

Please follow the below steps to install your CPU in **SOCKET 478**.

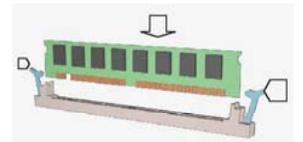
- Step 1: Pull the handling bar of the socket upward to the other end to loosen the socket's openings.
- Step 2: Place the CPU on the middle of the socket, orienting its beveled corner to line up with the socket's beveled corner. Make sure the pins of the CPU fit evenly to the socket openings.
- Step 3: Press the handling bar downward to fasten the CPU to the socket.



- Step 4: Install the CPU heatsink with some thermal jelly on the CPU and secure the brackets.

Install a DIMM:

- Step 1: Make sure Pin 1 of the DIMM match with pin 1 of the **DIMM 0**, and **DIMM 1** sockets.
- Step 2: Insert the DIMM module into the DIMM socket vertically. After inserting the DIMM module completely into the socket, push up on the socket latches securing the DIMM into place. If the pin 1 of the DIMM module does not line up with pin 1 of the socket, the DIMM module will not be inserted correctly into the socket.



Install a Peripheral Card:

To install expansion cards, please read the expansion card's documentation for instructions or cautions prior to the installation.



Install the Drives:

Install the floppy drive cable to **FLOPPY**, the hard disk drive cable to **PRIMARY IDE**, the CD-ROM, DVD-ROM, CD-R, or CD-RW cable to **SECONDARY IDE**. **NOTE: Colors on the IDE ports may vary.**

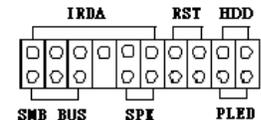


Plugging-In the ATX Power Supply Connector:

Plug the ATX Power Supply cable to **ATX POWER** and **ATX 12V**.

Plugging-In the Front Panel Connectors:

Plug in each cable to their assigned headers as labeled on the connectors (**FRONT PANEL CONNECTORS**) and the figure on the right. If the light does not lit up, simply reverse the polarity. The colored wires of each connector usually denote a positive lead, which aligns with red arrows as illustrated on the right.



Plugging-In the Back Panel Ports:

Plug in Keyboard, Mouse, USB, Serial 1 (COM1), LAN, Video and Parallel (printer) ports. Please refer to the figure on the Motherboard Layout page.



Jumpers:

The BIOS handles all of the configurations including FSB speed, and CPU multiplier.

Other Connectors:

CPU fan connector needs to be connected to the **CPU FAN** if the heatsink is equipped with one. System fan connector needs to be connected to the **SYS FAN** if the system is equipped with one. Case fan connector needs to be connected to the **CASE FAN** if the case is equipped with one.