Setting the Computer BIOS (CMOS)

This procedure applies to the Gigabyte **GA-G31MX-S2** Motherboard. The screens for the GA-945GCMX-S2 Motherboard look a little bit different, but the procedure and settings are the same.

If your system has a different motherboard, check http://service.globalvr.com for updated information.

If you are comfortable using the CMOS Setup Utility, press the **DEL** key during boot to run the Utility, select **Load Optimized Defaults** from the Main Menu, and then change the settings shown in the table below. For more help, refer to the detailed instructions that follow.

Menu	Item	Setting
Standard CMOS Features	Drive A	None
	Halt On	No Errors
Advanced BIOS Features	First Boot Device	CDROM
	Second Boot Device	Hard Disk
	Third Boot Device	Disabled
Integrated Peripherals	USB Keyboard Support	Enabled
	USB Mouse Support	Enabled
Power Management Setup	AC Back Function	Full On
PC Health Status	CPU Smart FAN Control	Disabled

Important: Your screens may not look exactly like the screens shown in this document, and some settings shown on the screens pictures may be different from your system.
Do not change any settings that are not specifically described in this document.

1. Press the **DEL** key during boot. The CMOS Setup Utility Main Menu will appear:

2. Use the Arrow keys (↑↓→←) to select **Load Optimized Defaults**, and press **Enter**.
    Press **Y** and **Enter** when prompted to confirm the change.

3. Use the Arrow keys to highlight **Standard CMOS Features**, and then press **Enter**.
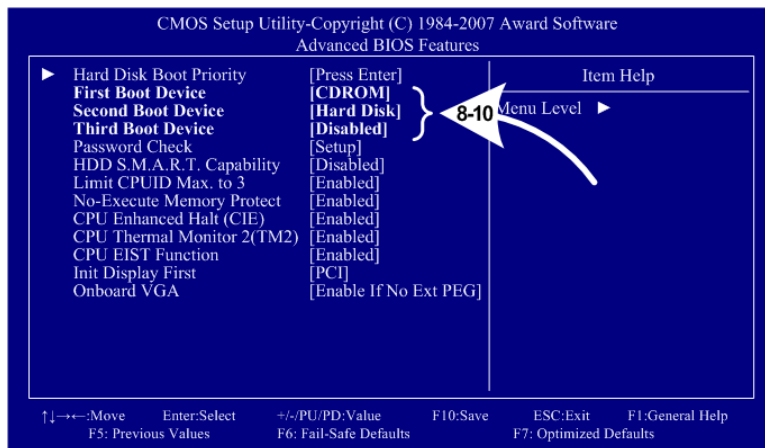

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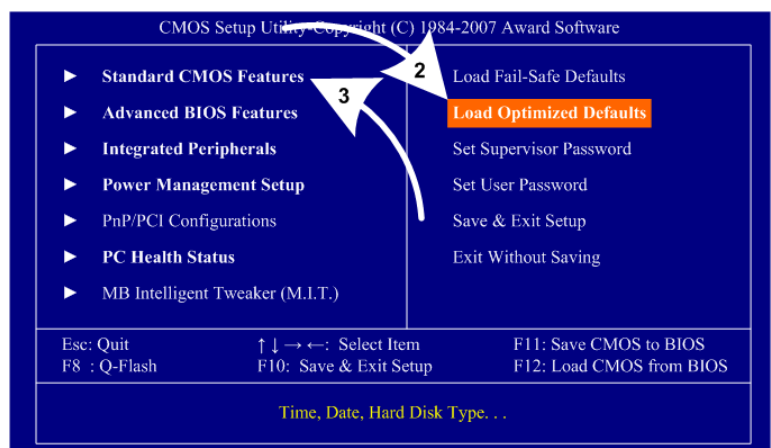
4. A screen similar to the following will appear:

5. Use the Arrow keys to highlight the setting for **Drive A** and press **Enter**. Use the **Page Up** and **Page Down** keys to change the setting to **None**.

6. Change the setting for **Halt On** to **No Errors** the same way.

   Press **ESC** to go back to the Main Menu.

```
            CMOS Setup Utility-Copyright (C) 1984-2007 Award Software
                          Standard CMOS Features

   Date (mm:dd:yy)          Thu. June 21 2007              Item Help
   Time (hh:mm:ss)          8 : 46 : 32
                                                   Menu Level  ►
 ►  IDE Channel 0 Master    [WDC WD400BB-IJJHC0]
 ►  IDE Channel 0 Slave     [ None]
 ►  IDE Channel 2 Master    [ SS-TOSHIBA  DVD-ROM]
 ►  IDE Channel 2 Slave     [ None]
 ►  IDE Channel 3 Master    [ None]
 ►  IDE Channel 3 Slave     [ None]
                                            5
   Drive A                  [None]
   Floppy 3 Mode Support    [Disabled]          6
   Halt On                  [No Errors]

   Base Memory              640K
   Extended Memory          495M
   Total Memory             1024M

 ↑↓→←:Move      Enter:Select    +/-/PU/PD:Value     F10:Save     ESC:Exit    F1:General Help
      F5: Previous Values      F6: Fail-Safe Defaults     F7: Optimized Defaults
```
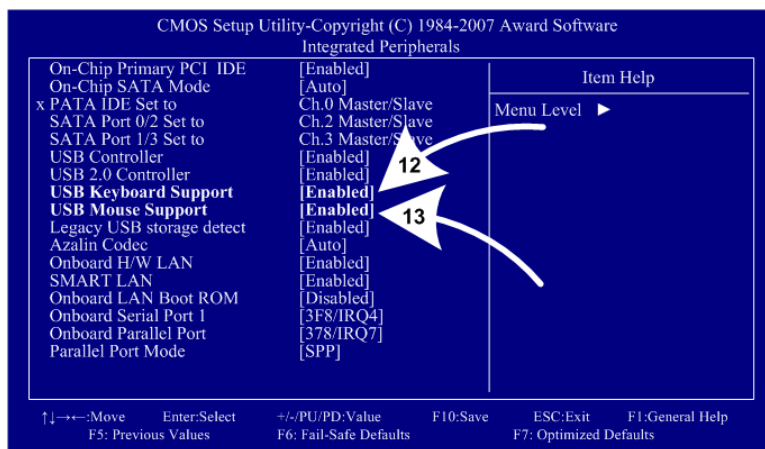
7. Now use the Arrow keys to highlight **Advanced BIOS Features** and press **Enter**. A screen similar to the following will appear:

8. Use the Arrow keys to highlight the setting for **First Boot Device** and press **Enter**. Use the **Page Up** and **Page Down** keys to change the setting to **DVDROM**.

9. Change the setting for **Second Boot Device** to **Hard Disk** the same way.

10. Change the setting for **Third Boot Device** to **Disabled** the same way.

```
            CMOS Setup Utility-Copyright (C) 1984-2007 Award Software
                          Advanced BIOS Features

 ►  Hard Disk Boot Priority      [Press Enter]            Item Help
    First Boot Device            [CDROM]
    Second Boot Device           [Hard Disk]      8-10  Menu Level  ►
    Third Boot Device            [Disabled]
    Password Check               [Setup]
    HDD S.M.A.R.T. Capability    [Disabled]
    Limit CPUID Max. to 3        [Enabled]
    No-Execute Memory Protect    [Enabled]
    CPU Enhanced Halt (CIE)      [Enabled]
    CPU Thermal Monitor 2(TM2)   [Enabled]
    CPU EIST Function            [Enabled]
    Init Display First           [PCI]
    Onboard VGA                  [Enable If No Ext PEG]

 ↑↓→←:Move      Enter:Select    +/-/PU/PD:Value     F10:Save     ESC:Exit    F1:General Help
      F5: Previous Values      F6: Fail-Safe Defaults     F7: Optimized Defaults
```

11. Now use the Arrow keys to highlight **Integrated Peripherals** and press **Enter**.

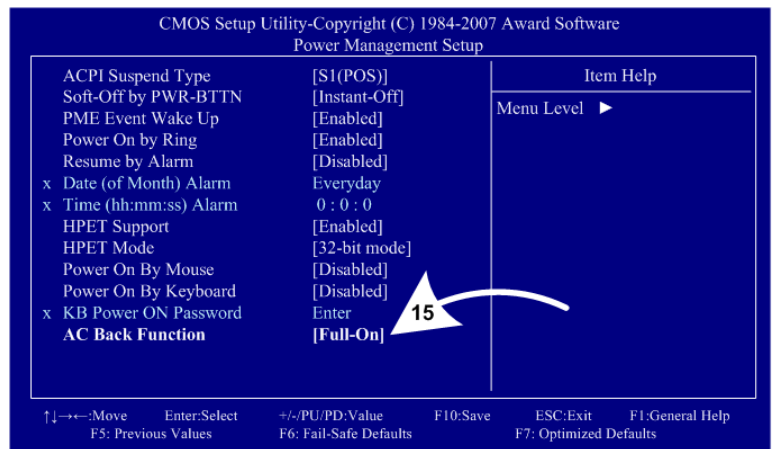A screen similar to the following will appear:

12. Use the Arrow keys to highlight the setting for **USB Keyboard Support** and press **Enter**. Use the **Page Up** and **Page Down** keys to change the setting to **Enabled**.

13. Use the Arrow keys to highlight the setting for **USB Mouse Support** and press **Enter**. Use the **Page Up** and **Page Down** keys to change the setting to **Enabled**.

```
            CMOS Setup Utility-Copyright (C) 1984-2007 Award Software
                          Integrated Peripherals
    On-Chip Primary PCI  IDE    [Enabled]               Item Help
    On-Chip SATA Mode           [Auto]
 x PATA IDE Set to              Ch.0 Master/Slave    Menu Level  ►
    SATA Port 0/2 Set to        Ch.2 Master/Slave
    SATA Port 1/3 Set to        Ch.3 Master/Slave
    USB Controller              [Enabled]
    USB 2.0 Controller          [Enabled]          12
    USB Keyboard Support        [Enabled]
    USB Mouse Support           [Enabled]           13
    Legacy USB storage detect   [Enabled]
    Azalin Codec                [Auto]
    Onboard H/W LAN             [Enabled]
    SMART LAN                   [Enabled]
    Onboard LAN Boot ROM        [Disabled]
    Onboard Serial Port 1       [3F8/IRQ4]
    Onboard Parallel Port       [378/IRQ7]
    Parallel Port Mode          [SPP]

 ↑↓→←:Move      Enter:Select    +/-/PU/PD:Value     F10:Save     ESC:Exit    F1:General Help
      F5: Previous Values      F6: Fail-Safe Defaults     F7: Optimized Defaults
```

14. Now use the Arrow keys to highlight **Power Management Setup** and press **Enter**.

A screen similar to the following will appear:

15. Use the Arrow keys to highlight the setting for **AC Back Function** and press **Enter**.
Use the **Page Up** and **Page Down** keys to change the setting to **Full-On**.

16. Now use the Arrow keys to highlight **PC Health Status** and press **Enter**.

A screen similar to the following will appear:

17. Use the Arrow keys to highlight the setting for **CPU Smart FAN Control** and press **Enter**.
Use the **Page Up** and **Page Down** keys to change the setting to **Disabled**.
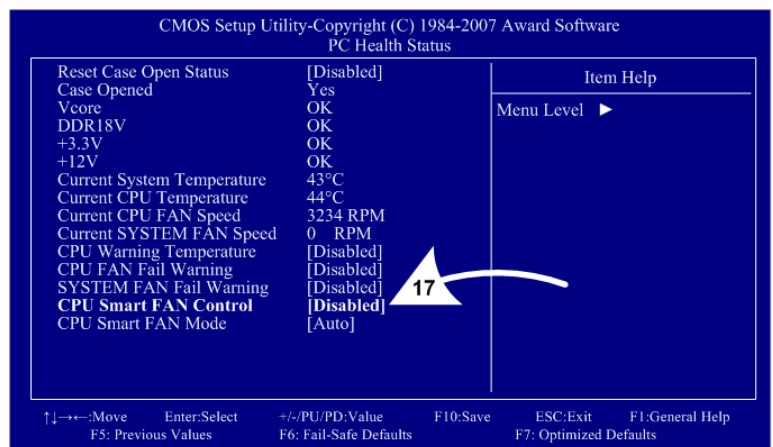
18. Now that all settings are correct, press F10. The following prompt will appear:

Save to CMOS and EXIT (Y/N) Y

19. Make sure "Y" shows at the end of the prompt (use the arrow keys to select, if necessary), and press **Enter** to save the settings and exit.