

3. a) Select **Advanced BIOS Features**, hit **[Enter]**

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
> ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

- b) Make the following changes:

- Change **First Boot Device** to **HDD-0**
- Change **Second Boot Device** to **Floppy**
- Change **Third Boot Device** to **Disabled**
- Change **Boot Other Device** to **Disabled**

Virus Warning	Disabled
CPU Internal cache	Enabled
External Cache	Enabled
CPU L2 Cache ECC Checking	Disabled
Processor number Feature	Enabled
Quick power on self test	Enabled
First Boot Device	HDD-0
Second Boot Device	Floppy
Third Boot Device	Disabled
Boot other device	Disabled
Swap floppy drive	Disabled
Boot up floppy seek	Enabled
Boot up Numlock Status	ON
Gate A20 Option	Normal
Typematic Rate Setting	Disabled
Typematic Rate(Chars/sec)	6
Security Option	Setup
OS Select For DRAM>64MB	NON-OS2

- c) Hit **[Esc]** to exit

4. a) Select **Advanced Chipset Features**, hit **[Enter]**

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
> ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

- b) Make the following changes:

- Change **Video Ram Cacheable** to **Disabled**
- Change **USB Keyboard Support** to **Enabled**

Bank 0/1 DRAM Timing	SDRAM Fast
Bank 2/3 DRAM Timing	SDRAM Fast
SDRAM Cycle Length	3
Bank Interleave	Disabled
Memory Hole	Disabled
P2C/C2P Concurrency	Enabled
Fast R-W Turn Around	Disabled
System BIOS Cacheable	Disabled
Video RAM cacheable	Disabled
Frame Buffer Size	8M
AGP Aperture Size	64M
OnChip USB	Enabled
OnChip USB 2	Enabled
USB Keyboard Support	Enabled
OnChip Sound	Enabled
OnChip Modem	Disable
CPU to PCI Write Buffer	Enabled
PCI Dynamic Bursting	Enabled
PCI Master 0 WS Write	Enabled

- c) Hit **[Esc]** to exit

5. a) Select **Integrated Peripherals**, hit **[Enter]**

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
> INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

- b) Make the following changes:

- Change **Sound Blaster** to **Enabled**
- Change **SB IRQ Select** to **IRQ 10**

...	
...	
...	
Onboard Parallel Port	378/IRQ7
Onboard Parallel Mode	ECP/EPP
ECP Mode Uses DMA 3	
Parallel Port EPP Type	EPP1.9
Onboard Legacy Audio	Enabled
Sound Blaster	Enabled
SB I/O Base Address	220H
SB IRQ Select	IRQ 10
SB DMA Select	DMA 1
MPU-401	Disabled

- c) Hit **[Esc]** to exit

6. a) Select **PnP/PCI Configurations**, hit **[Enter]**

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
> PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

- b) Make the following changes:

- Change **Resources Controlled By** to **Manual**
- Move cursor to **IRQ Resources** and hit **[Enter]**.

PNP OS Installed	No
Reset Configuration Data	Disabled
Resources Controlled By	Manual
> IRQ Resources	Press Enter
>DMA Resources	Press Enter
PCI/VGA Palette Snoop	Disabled
Assign IRQ For VGA	Enabled
Assign IRQ For USB	Enabled

- c) Change **IRQ-5** assigned to **Legacy ISA**, hit **[Esc]**

IRQ-3	assigned to	PCI/ISA PnP
IRQ-4	assigned to	PCI/ISA PnP
IRQ-5	assigned to	Legacy ISA
IRQ-7	assigned to	PCI/ISA PnP
IRQ-9	assigned to	PCI/ISA PnP
IRQ-10	assigned to	PCI/ISA PnP

- d) Hit **[Esc]** to exit

7. Select **Save & Exit Setup**, hit **[Enter]**, **[Y]**, **[Enter]** to save and boot RADAR®.

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
>PNP/PCI CONFIGURATION	> SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

END of CMOS setup for EpOX EP-3VWB+ motherboard.

CMOS Setup for DFI CA64-TC Motherboard

Immediately after the memory test, hit the **[Delete]** key to enter CMOS setup. (This must be done on a PC keyboard connected on the back of the RADAR[®].)

1. Choose **Load Optimized Defaults**, hit **[Enter]**, **[Y]**, **[Enter]** to load the defaults.

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	> LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET SUPERVISOR PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING
Esc : Quit	
F10 : Save & Exit Setup	
↑ ↓ → ← : Select Item	

2. a) Select **Standard CMOS Features**, hit **[Enter]**

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

- b) Make the following changes:

- Change **Date (mm:dd:yy)** to current date
- Change **Time (hh:mm:ss)** to current time
- Change **Halt On to No Errors**

- c) Hit **[Esc]** to exit

Date (mm:dd:yy)	Tue, April 29
Time (hh:mm:ss)	2 : 11 : 47
>IDE Primary Master	Model # of system drive
>IDE Primary Slave	None
>IDE Secondary Master device	Model # of backup
>IDE Secondary Slave	None
Drive A	1.44M, 3.5 in
Drive B	None
Video	EGA/VGA
Halt On	No Errors
Base Memory	640K
Extended Memory	Parallels memory test

3. a) Select **Advanced BIOS Features**, hit **[Enter]**

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
> ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

- b) Make the following changes:

- Change **First Boot Device** to **HDD-0**
- Change **Second Boot Device** to **Floppy**
- Change **Third Boot Device** to **Disabled**
- Change **Boot Other Device** to **Disabled**
- Change **Boot up floppy seek** to **Disabled**

Virus Warning	Disabled
CPU Internal cache	Enabled
External Cache	Enabled
CPU L2 Cache ECC Checking	Disabled
Processor number Feature	Enabled
Quick power on self test	Enabled
First Boot Device	HDD-0
Second Boot Device	Floppy
Third Boot Device	Disabled
Boot other device	Disabled
Swap floppy drive	Disabled
Boot up floppy seek	Disabled
Boot up Numlock Status	ON
Gate A20 Option	Normal
Typematic Rate Setting	Disabled
Typematic Rate(Chars/sec)	6
Security Option	Setup
OS Select For DRAM>64MB	NON-OS2

- c) Hit **[Esc]** to exit

4. a) Select **Advanced Chipset Features**, hit **[Enter]**

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
> ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

- b) Make the following changes:

- Change **DRAM Clock** to **Host CLK**
- Change **USB Keyboard Support** to **Enabled**

DRAM Timing	Fast
SDRAM Cycle Length	3
DRAM Clock	Host CLK
Memory Hole	Disabled
P2C/C2P Concurrency	Enabled
Fast R-W Turn Around	Enabled
AGP Aperture Size	64M
AGP-4X Mode	Enabled
AGP Fast Write	Disabled
OnChip USB	Enabled
USB Keyboard Support	Enabled
CPU to PCI Write Buffer	Enabled
PCI Dynamic Bursting	Enabled
PCI Master 0 WS Write	Enabled
PCI Delay Transaction	Enabled

- c) Hit **[Esc]** to exit

5. a) Select **Integrated Peripherals**, hit **[Enter]**

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

- b) Change **Onboard Legacy Audio** to **Disabled**

...	
...	
...	
ECP Mode Use DMA	3
Parallel Port EPP Type	EPP1.9
OnChip Sound	Enabled
Onboard Legacy Audio	Disabled
Sound Blaster	Disabled
SB I/O Base Address	220H

- c) Hit **[Esc]** to exit

6. a) Select **PnP/PCI Configurations**, hit **[Enter]**

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	>SET SUPERVISOR PASSWORD
>POWER MANAGEMENT	>SET USER PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>PC HEALTH STATUS	>EXIT WITHOUT SAVING

- b) Make the following changes:

- Change **Resources Controlled By** to **Manual**
- Move cursor to **IRQ Resources** and hit **[Enter]**.

PNP OS Installed	No
Reset Configuration Data	Disabled
Resources Controlled By	Manual
>IRQ Resources	Press Enter
>DMA Resources	Press Enter
PCI/VGA Palette Snoop	Disabled
Assign IRQ For VGA	Enabled
Assign IRQ For USB	Enabled

- c) Change **IRQ-5** assigned to **Legacy ISA**, hit **[Esc]**

IRQ-3	assigned to	PCI/ISA PnP
IRQ-4	assigned to	PCI/ISA PnP
IRQ-5	assigned to	Legacy ISA
IRQ-7	assigned to	PCI/ISA PnP
IRQ-9	assigned to	PCI/ISA PnP
IRQ-10	assigned to	PCI/ISA PnP

- d) Hit **[Esc]** to exit

7. Select **Save & Exit Setup**, hit **[Enter]**, **[Y]**, **[Enter]** to save and boot RADAR[®].

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>ADVANCED CHIPSET FEATURES	>LOAD OPTIMIZED DEFAULTS
>INTEGRATED PERIPHERALS	SAVE AND EXIT SETUP (Y/N)?
>POWER MANAGEMENT	>SET SUPERVISOR PASSWORD
>PNP/PCI CONFIGURATION	>SET USER PASSWORD
>PC HEALTH STATUS	>SAVE & EXIT SETUP
	>EXIT WITHOUT SAVING

END of CMOS setup for DFI CA64-TC motherboard.

CMOS Setup for Gigabyte Motherboard

Immediately after the memory test, hit the **[Delete]** key to enter CMOS setup. (This must be done on a PC keyboard connected on the back of the RADAR®.)

1. Choose **Load Performance Defaults**, hit **[Enter]**, **[Y]**, **[Enter]** to load the defaults.

>STANDARD CMOS FEATURES	>INTEGRATED PERIPHERALS
>BIOS FEATURES SETUP	>SUPERVISOR PASSWORD
>CHIPSET FEATURES SETUP	>USER PASSWORD
>POWER MANAGEMENT SETUP	>IDE HDD AUTO DETECTION
>PNP/PCI CONFIGURATION	>LOAD Optimized Defaults (Y/N)?
>LOAD BIOS DEFAULTS	>EXIT WITHOUT SAVING
> LOAD PERFORMANCE DEFAULTS	
Esc : Quit	
F10 : Save & Exit Setup	
↑ ↓ → ← : Select Item	

2. a) Select **Standard CMOS Features**, hit **[Enter]**

>STANDARD CMOS FEATURES	>INTEGRATED PERIPHERALS
>BIOS FEATURES SETUP	>SUPERVISOR PASSWORD
>CHIPSET FEATURES SETUP	>USER PASSWORD
>POWER MANAGEMENT SETUP	>IDE HDD AUTO DETECTION
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>LOAD BIOS DEFAULTS	>EXIT WITHOUT SAVING
> LOAD PERFORMANCE DEFAULTS	

- b) Make the following changes:

- **Change Date (mm:dd:yy)** to current date
- **Change Time (hh:mm:ss)** to current time

Date (mm:dd:yy)	Tue, April 29
Time (hh:mm:ss)	2 : 11 : 47
>IDE Primary Master	Model # of system drive
>IDE Primary Slave	None
>IDE Secondary Master	Model # of backup device
>IDE Secondary Slave	None
Drive A	1.44M, 3.5 in
Drive B	None
Video	EGA/VGA

- c) Hit **[Esc]** to exit

3. a) Select **BIOS Features Setup**, hit **[Enter]**

>STANDARD CMOS FEATURES	>INTEGRATED PERIPHERALS
>BIOS FEATURES SETUP	>SUPERVISOR PASSWORD
>CHIPSET FEATURES SETUP	>USER PASSWORD
>POWER MANAGEMENT SETUP	>IDE HDD AUTO DETECTION
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>LOAD BIOS DEFAULTS	>EXIT WITHOUT SAVING
> LOAD PERFORMANCE DEFAULTS	

- b) Change **Boot Sequence** to **C, A, SCSI**

- c) Hit **[Esc]** to exit

Virus Warning	Disabled
Processor number Feature	Enabled
Boot from LAN first	Disabled
Boot Sequence	C,A,SCSI
VGA boot from	AGP
Boot up floppy seek	Enabled
Boot up Numlock Status	ON
Memory parity check	Disabled
Typematic Rate Setting	Disabled
Typematic Rate(Chars/sec)	6
Typematic Delay (Msec)	250
Security Option	Setup
PCI/VGA palette snoop	Disabled

5. a) Select **PnP/PCI Configuration**, hit **[Enter]**

>STANDARD CMOS FEATURES	>INTEGRATED PERIPHERALS
>BIOS FEATURES SETUP	>SUPERVISOR PASSWORD
>CHIPSET FEATURES SETUP	>USER PASSWORD
>POWER MANAGEMENT SETUP	>IDE HDD AUTO DETECTION
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>LOAD BIOS DEFAULTS>LOAD	>EXIT WITHOUT SAVING
PERFORMANCE DEFAULTS	

- b) Make the following changes:

- Change **Resources Controlled By** to **Manual**
- Change **IRQ-5 assigned to** to **Legacy ISA**

PNP OS Installed	No
Resources Controlled By	Manual
Reset Configuration Data	Disabled
IRQ-3 assigned to	PCI/ISA PnP
IRQ-4 assigned to	PCI/ISA PnP
IRQ-5 assigned to	Legacy ISA
IRQ-7 assigned to	PCI/ISA PnP
IRQ-9 assigned to	PCI/ISA PnP
IRQ-10 assigned to	PCI/ISA PnP

- c) Hit **[Esc]** to exit

6. Select **Save & Exit Setup**, hit **[Enter]**, **[Y]**, **[Enter]** to save and boot RADAR®.

>STANDARD CMOS FEATURES	>INTEGRATED PERIPHERALS
>BIOS FEATURES SETUP	>SUPERVISOR PASSWORD
>CHIPSET FEATURES SETUP	>USER PASSWORD
>POWER MANAGEMENT SETUP	>IDE HDD AUTO DETECTION
>PNP/PCI CONFIGURATION	> SAVE & EXIT SETUP
>LOAD BIOS DEFAULTS>LOAD	>EXIT WITHOUT SAVING
PERFORMANCE DEFAULTS	

END of CMOS setup for Gigabyte GA-6VA7+ motherboard.