

CMOS Setup for EPoX EP-3VWB 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 MANAGEM Load Optimized | Detaults (Y/N)? SWORD |
| >PNP/PCI CONFIGURATION | >SAVE & EXIT SETUP |
| >PC HEALTH STATUS | >EXIT WITHOUT SAVING |
| Esc : Quit | 🗼 🚽 🔶 🔫 : Select Item |
| F10 : Save & Exit Setup | 1 🕴 |
| | |

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

| Time (hh:mm:ss) | 1 ue, April 29 |
|-----------------------|-------------------------|
| | 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 | EGAN/GA |
| Halt On | No Errors |
| | |
| Base Memory | 640K |
| Extended Memory | Parallels memory test |
| | |



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

>STANDARD CMOS FEATURES >ADVANCED BIOS FEATURES >ADVANCED CHIPSET FEATURES >INTEGRATED PERIPHERALS >POWER MANAGEMENT >PNP/PCI CONFIGURATION >PC HEALTH STATUS

>FREQUENCY/VOLTAGE CONTROL
 >LOAD FAIL-SAFE DEFAULTS
 >LOAD OPTIMIZED DEFAULTS
 >SET SUPERVISOR PASSWORD
 >SET USER PASSWORD
 >SAVE & EXIT SETUP
 >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

c) Hit [Esc] to exit

| 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 |
| | |

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

>STANDARD CMOS FEATURES >ADVANCED BIOS FEATURES >ADVANCED CHIPSET FEATURES >INTEGRATED PERIPHERALS >POWER MANAGEMENT >PNP/PCI CONFIGURATION >PC HEALTH STATUS

>FREQUENCY/VOLTAGE CONTROL >LOAD FAIL-SAFE DEFAULTS >LOAD OPTIMIZED DEFAULTS >SET SUPERVISOR PASSWORD >SET USER PASSWORD >SAVE & EXIT SETUP >EXIT WITHOUT SAVING

b) Make the following changes:

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

c) Hit [Esc] to exit

| Book 0/1 DBAM Timing | SDBAM Foot |
|-------------------------|------------|
| Bank 0/1 DRAW Timing | SDRAW 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 |
| | |
| | |
| | |



5. a) Select Integrated >STANDARD CMOS FEATURES >FREQUENCY/VOLTAGE CONTROL Peripherals, hit [Enter] >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

c) Hit [Esc] to exit

| 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 |
| | |

No

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PNP OS Installed

| 6 | a) Salaat BnB/BCI | >STANDARD CMOS FEATURES | >FREQUENCY/VOLTAGE CONTROL |
|----|------------------------------|----------------------------|----------------------------|
| 0. | a) Select FIF/FCI | >ADVANCED BIOS FEATURES | >LOAD FAIL-SAFE DEFAULTS |
| | configurations, fill [Enter] | >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 |
| | | | |

Disabled Reset Configuration Data b) Make the following changes: **Resources Controlled By** Manual >IRQ Resources Press Enter Change Resources Controlled By to Manual >DMA Resources Press Enter Move cursor to IRQ Resources and hit [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 PCI/ISA PnP assigned to IRQ-9 PCI/ISA PnP d) Hit [Esc] to exit assigned to IRQ-10 assigned to PCI/ISA PnP

| 7. | Select Save & Exit Setup, hit | >STANDARD CMOS FEATURES | >FREQUENCY/VOLTAGE CONTROL |
|----|-----------------------------------|----------------------------|----------------------------|
| | [Enter], [Y], [Enter] to save and | >ADVANCED BIOS FEATURES | >LOAD FAIL-SAFE DEFAULTS |
| | boot RADAR [®] . | >ADVANCED CHIPSET FEATURES | >LOAD OPTIMIZED DEFAULTS |
| | | >INTEGRATED PERI | SOR 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 MANAGEM Load Optimized | Detaults (Y/N)? SWORD |
| >PNP/PCI CONFIGURATION | >SAVE & EXIT SETUP |
| >PC HEALTH STATUS | >EXIT WITHOUT SAVING |
| Esc : Quit | 🗼 🚽 🔶 🗲 : Select Item |
| F10 : Save & Exit Setup | I V |

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 |
| data | SIDE Primary Slave | None Madal # af haalwar |
| uale | Side Secondary Master | wodel # of backup |
| time | | Nama |
| unio | SIDE Secondary Slave | None |
| | | 1.44M 3.5 in |
| | Drive B | None |
| | 2 | |
| | 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 >ADVANCED BIOS FEATURES >ADVANCED CHIPSET FEATURES >INTEGRATED PERIPHERALS >POWER MANAGEMENT >PNP/PCI CONFIGURATION >PC HEALTH STATUS >FREQUENCY/VOLTAGE CONTROL >LOAD FAIL-SAFE DEFAULTS >LOAD OPTIMIZED DEFAULTS >SET SUPERVISOR PASSWORD >SET USER PASSWORD >SAVE & EXIT SETUP >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
- c) Hit [Esc] to exit

| 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 |
| | |

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

>STANDARD CMOS FEATURES >ADVANCED BIOS FEATURES **>ADVANCED CHIPSET FEATURES** >INTEGRATED PERIPHERALS >POWER MANAGEMENT >PNP/PCI CONFIGURATION >PC HEALTH STATUS

>FREQUENCY/VOLTAGE CONTROL >LOAD FAIL-SAFE DEFAULTS >LOAD OPTIMIZED DEFAULTS >SET SUPERVISOR PASSWORD >SET USER PASSWORD >SAVE & EXIT SETUP >EXIT WITHOUT SAVING

- b) Make the following changes:
 - Change **DRAM Clock** to **Host CLK**
 - Change USB Keyboard Support to Enabled
- c) Hit [Esc] to exit

| 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 |



a) Select Integrated 5. Peripherals, hit [Enter] >STANDARD CMOS FEATURES ADVANCED BIOS FEATURES ADVANCED CHIPSET FEATURES INTEGRATED PERIPHERALS >POWER MANAGEMENT >PNP/PCI CONFIGURATION >PC HEALTH STATUS

>FREQUENCY/VOLTAGE CONTROL >LOAD FAIL-SAFE DEFAULTS >LOAD OPTIMIZED DEFAULTS >SET SUPERVISOR PASSWORD >SET USER PASSWORD >SAVE & EXIT SETUP >EXIT WITHOUT SAVING

- b) Change Onboard Legacy Audio to Disabled
- c) Hit [Esc] to exit

6.

| ••• |
|------------------------|
| ECP Mode Use DMA |
| Parallel Port EPP Type |
| OnChip Sound |
| Onboard Legacy Audio |
| Sound Blaster |
| SB I/O Base Address |
| |

EPP1.9 Enabled Disabled Disabled 220H

No

Disabled

a) Select PnP/PCI >STANDARD CMOS FEATURES >FREQUENCY/VOLTAGE CONTROL Configurations, hit [Enter] >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].



d) Hit [Esc] to exit

Select Save & Exit Setup, hit 7. [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 PERIFICATED PERIFICATED | SETUP (Y/N)? SOR PASSWORD |
| >POWER MANAGEMENT | >SET USER PASSWORD |
| >PNP/PCI CONFIGURATION | >SAVE & EXIT SETUP |
| >PC HEALTH STATUS | >EXIT WITHOUT SAVING |

PNP OS Installed

Reset Configuration Data

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 CONFIGUELoad Optimized Detaults (Y/N)? ETUP | | |
| >LOAD BIOS DEFAULTS | >EXIT WITHOUT SAVING | |
| >LOAD PERFORMANCE DEFAULTS | | |
| Esc : Quit | 🖌 🚽 🔶 🗲 : Select Item | |
| F10 : Save & Exit Setup | 1 🔻 | |
| | | |

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

c) Hit [Esc] to exit

| 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 |
| ERFORMANCE 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 >IDE Primary Slave >IDE Secondary Master >IDE Secondary Slave | Model # of system drive None Model # of backup device None |
| Drive A Drive B | 1.44M, 3.5 in None |

Video EGA/VGA

| 3. | a) Select BIOS Features Setup. | >STANDARD CMOS FEATURES | >INTEGRATED PERIPHERALS |
|----|--------------------------------|-------------------------------------|-------------------------|
| | hit [Enter] | >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) Change Boot Sequence to C, A, SCSI | Virus Warning | Disabled | |
|---------------------------------------|--------------------------------|------------------------|--|
| c) Hit [Esc] to exit | Boot from LAN first | Disabled | |
| | Boot Sequence VGA boot from | C,A,SCSI 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 >BIOS FEATURES SETUP >CHIPSET FEATURES SETUP >POWER MANAGEMENT SETUP >PNP/PCI CONFIGURATION >LOAD BIOS DEFAULTS>LOAD PERFORMANCE DEFAULTS >INTEGRATED PERIPHERALS >SUPERVISOR PASSWORD >USER PASSWORD >IDE HDD AUTO DETECTION >SAVE & EXIT SETUP >EXIT WITHOUT SAVING

- b) Make the following changes:
 - Change Resources Controlled By to Manual
 - Change IRQ-5 assigned to to Legacy ISA
- c) Hit [Esc] to exit

| PNP US | Sinstalled | NO |
|---------|--------------------|-------------|
| Resour | ces Controlled By | Manual |
| Reset C | 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 |

| | | PERFORMANCE DEFAULTS | |
|---------------------------|-----------------------------------|---|---------------------------|
| | | >LOAD BIOS DEFAULTS >LOAD | >EXIT WITHOUT SAVING |
| | | >PNP/PCI CONFIGURATION | >SAVE & EXIT SETUP |
| boot RADAR [®] . | | >POWER MANAGEM SAVE AND EXIT SETUP (Y/N)? DETECTION | |
| | [Enter], [Y], [Enter] to save and | >CHIPSET FEATURE <u>S SETUP</u> | <u>>USER PASSW</u> ORD |
| о. | | >BIOS FEATURES SETUP | >SUPERVISOR PASSWORD |
| c | Coloct Cove 9 Exit Cotum bit | >STANDARD CMOS FEATURES | >INTEGRATED PERIPHERALS |

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