

RADAR V MOTHERBOARD CMOS SETUP

MSI 945P Neo5 MOTHERBOARD CMOS SETUP

Immediately after the memory test, press **DELETE** to enter **CMOS SETUP**. (This must be done on a PC keyboard connected on the back of the RADAR or **CYCLE** on KC24).

- 1 Choose **LOAD OPTIMIZED DEFAULTS**, press **ENTER** on **OK TO LOAD THE DEFAULTS**.

>STANDARD CMOS FEATURES >ADVANCED BIOS FEATURES >INTEGRATED PERIPHERALS >POWER MANAGEN >PNP/PCI CONFIGU >H/W MONITOR	>FREQUENCY/VOLTAGE CONTROL >LOAD FAIL-SAFE DEFAULTS > LOAD OPTIMIZED DEFAULTS >BIOS PASSWORD >SETUP >EXIT SAVING
LOAD OPTIMIZED DEFAULTS OK Cancel	
Esc : Quit F10 : Save & Exit Setup	
↑ ↓ → ← : Select Item	

- 2 a) Select **STANDARD CMOS FEATURES**, press **ENTER**.

> STANDARD CMOS FEATURES >ADVANCED BIOS FEATURES >INTEGRATED PERIPHERALS >POWER MANAGEMENT >PNP/PCI CONFIGURATION >H/W MONITOR	>FREQUENCY/VOLTAGE CONTROL >LOAD FAIL-SAFE DEFAULTS >LOAD OPTIMIZED DEFAULTS >BIOS SETTING PASSWORD >SAVE & EXIT SETUP >EXIT WTHOUT SAVING
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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)	[WED 07/04/2007]
Time (hh:mm:ss)	[11:31:12]
>IDE Primary Master	Not Detected
>IDE Primary Slave	Not Detected
>IDE Secondary Master	Not Detected
>IDE Secondary Slave	Not Detected
>IDE Third Master	[Hard Disk]
>IDE Third Slave	[ATAPI CDROM]
Floppy Drive A	[1.44M, 3.5]
>System Information	[Press Enter]

c) Press **ESC** to exit.

3 a) Select **ADVANCED BIOS FEATURES**, press **ENTER**.

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
> ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>INTEGRATED PERIPHERALS	>LOAD OPTIMIZED DEFAULTS
>POWER MANAGEMENT	>BIOS SETTING PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>H/W MONITOR	>EXIT WITHOUT SAVING

b) Make the following changes:

- Change **FULL SCREEN LOGO DISPLAY** to **DISABLE**
- Select **BOOT SEQUENCE**, press **ENTER**

Boot Sector Protection	[Enabled]
Full Screen Logo Display	[Disabled]
Quick Boot	[Enabled]
Boot Up Num-lock LED	[ON]
IOAPIC Function	[Enabled]
MPS Table Version	[1.4]
>CPU Feature	[Press Enter]
>Chipset	[Press Enter]
>Boot Sequence	[Press Enter]

c) Change boot sequence to:

- **1STBOOT DEVICE** to **HDD-0**
- **2NDBOOT DEVICE** to **CD/DVD**
- **3RDBOOT DEVICE** to **1ST FLOPPY DRIVE**

Boot Sequence

1st Boot Device	[HDD : Model # System]
2nd Boot Device	[CD/DVD : Model # of Backup Drive]
3rd Boot Device	[1st Floppy Drive]

d) Press **ESC**, and **ESC** again to exit.

- 4** a) Select **INTEGRATED PERIPHERALS**, press **ENTER**.

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
> INTEGRATED PERIPHERALS	>LOAD OPTIMIZED DEFAULTS
>POWER MANAGEMENT	>BIOS SETTING PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>H/W MONITOR	>EXIT WITHOUT SAVING

- b) Make the following change:

- Change **HD AUDIO CONTROLLER** to **DISABLED**

USB Controller	[Enabled]
USB Device Legacy Support	[Enabled]
Onboard LAN Controller	[Enabled]
LAN Option ROM	[Disabled]
HD Audio Controller	[Disabled]
>ON-Chip ATA Devices	[Press Enter]
>I/O Devices	[Press Enter]

- c) Press **ESC** to exit.

- 5** a) Select **POWER MANAGEMENT**, press **ENTER**.

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>INTEGRATED PERIPHERALS	>LOAD OPTIMIZED DEFAULTS
> POWER MANAGEMENT	>BIOS SETTING PASSWORD
>PNP/PCI CONFIGURATION	>SAVE & EXIT SETUP
>H/W MONITOR	>EXIT WITHOUT SAVING

b) Make the following change:

- Change **POWER BUTTON FUNCTION** to **SUSPEND**
- **RESTORE ON POWER LOSS** to **LAST STATE**

ACPI Function	[Enabled]
ACPI Standby State	[S1]
Suspend Time Out(minute)	[Disabled]
Power Button Function	[Suspend]
Restore on AC Power Loss	[Last State]
>Wake Up Event Setup	[Press Enter]

c) Press **ESC**, and **ESC** again to exit.

- 6** Select **SAVE & EXIT SETUP**, press **ENTER**, **Y**, **ENTER** to save and boot RADAR.

>STANDARD CMOS FEATURES	>FREQUENCY/VOLTAGE CONTROL
>ADVANCED BIOS FEATURES	>LOAD FAIL-SAFE DEFAULTS
>INTEGRATED PERIPHERALS	>LOAD FAIL-SAFE DEFAULTS
>POWER MANAGEMENT	PASSWORD
SAVE AND EXIT SETUP (Y/N)?	
>PNP/PCI CONFIGURATION	> SAVE & EXIT SETUP
>H/W MONITOR	>EXIT WITHOUT SAVING

End of CMOS setup for MSI 945P Neo5 Motherboard.

CMOS SETUP FOR DFI CA64-TC MOTHERBOARD

Immediately after the memory test, press **DELETE** to enter **CMOS SETUP**. (This must be done on a PC keyboard connected on the back of the RADAR or **CYCLE** on KC24).

- 1 Choose **LOAD OPTIMIZED DEFAULTS**, press **ENTER**, **Y**, **ENTER** to load the defaults.

>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
LOAD OPTIMIZED DEFAULTS (Y/N)?	
Esc : Quit F10 : Save & Exit Setup	
↑ ↓ → ← : Select Item	

- 2 a) Select **STANDARD CMOS FEATURES**, press **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
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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**.

Date (mm:dd:yy)	Tues. April 29, 200X
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
Drive B	None
Video	EGA/VGA
Halt On	No Errors
Base Memory	640K

c) Press **ESC** to exit.

3 a) Select **ADVANCED BIOS FEATURES**, press **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) Press **ESC** to exit.

4

a) Select **ADVANCED CHIPSET FEATURES**, press **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) Press **ESC** to exit.

5

a) Select **INTEGRATED PERIPHERALS**, press **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 Uses DMA	3
Parallel Port EPP Type	EPP 1.9
OnChip Sound	Enabled
Onboard Legacy Sound	Disabled
Sound Blaster	Disabled
SB I/O Base Address	220H
SB IRQ Select	IRQ 5

c) Press **ESC** to exit.

- 6 a) Select **PNP/PCI CONFIGURATIONS**, press **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 press **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**, press **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) Press **ESC** to exit

- 7 Select **SAVE & EXIT SETUP**, press **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 PASSWORD
>POWER MANAGEMENT	>SAVE & EXIT SETUP
>PNP/PCI CONFIGURATION	>EXIT WITHOUT SAVING
>PC HEALTH STATUS	

END of CMOS setup for DFI CA64-TC motherboard.