



Aopen AX3S2-P

[Before Starting...]

1. These are CMOS settings of changing part from a default settings of main board.

If a setting is changed, the system could be worked abnormally.

2. Refer to User Manual about detailed explanation.

3. **High-light black color letters** are default setting when you purchase main board.

Even though it is default setting but not high-light black color letters, default setting can be used. **High-light gray color letters** are indicating the most suitable value to the system and are recommendable setting.

[CMOS Setting of Main Board]

1. Main Menu

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software

<ul style="list-style-type: none">▶ <u>Standard CMOS Features</u>▶ <u>Advanced Bios Features</u>▶ <u>Advanced Chipst Features</u>▶ <u>Integrated Peripherals</u>▶ <u>Power Management Setup</u>▶ <u>PnP/PCI Configurations</u>▶ PC Health Status▶ <u>Frequency/Voltage Control</u>	<ul style="list-style-type: none">Load Setup DefaultsLoad Turbo DefaultsSet Password<u>Save & Exit Setup</u>Exit Without SavingLoad EEPROM Defaults<u>Save EEPROM Defaults</u>
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Esc : Quit	↑ ↓ ← → : Select Item
F10 : Save & Exit Setup	(Shift)F3 : Change Language

Time, Date, Hard Disk Type...

2. Standard CMOS Features

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Standard CMOS Features

<table style="width: 100%;"><tr><td style="width: 30%;">Date (mm:dd:yy)</td><td style="text-align: right;"><u>Mon, Feb 7 2000</u></td></tr><tr><td>Time (hh:mm:ss)</td><td style="text-align: right;"><u>13 : 42 : 25</u></td></tr><tr><td colspan="2">▶ IDE Primary Master</td></tr><tr><td colspan="2">▶ IDE Primary Slave</td></tr><tr><td colspan="2">▶ IDE Secondary Master</td></tr><tr><td colspan="2">▶ IDE Secondary Slave</td></tr><tr><td>Drive A</td><td style="text-align: right;">1.44M, 3.5 in.</td></tr><tr><td>Drive B</td><td style="text-align: right;">None</td></tr><tr><td>Video</td><td style="text-align: right;"><u>EGA/VGA</u></td></tr><tr><td>Halt On</td><td style="text-align: right;"><u>All Errors</u></td></tr><tr><td>Base Memory</td><td style="text-align: right;">640K</td></tr><tr><td>Extended Memory</td><td style="text-align: right;">130048K</td></tr><tr><td>Total Memory</td><td style="text-align: right;">131072K</td></tr></table>	Date (mm:dd:yy)	<u>Mon, Feb 7 2000</u>	Time (hh:mm:ss)	<u>13 : 42 : 25</u>	▶ IDE Primary Master		▶ IDE Primary Slave		▶ IDE Secondary Master		▶ IDE Secondary Slave		Drive A	1.44M, 3.5 in.	Drive B	None	Video	<u>EGA/VGA</u>	Halt On	<u>All Errors</u>	Base Memory	640K	Extended Memory	130048K	Total Memory	131072K	<p style="text-align: center; border-bottom: 1px solid black;">Item Help</p> Menu Level ▶ To set the date, highlight the Date parameter. Press <PgUp> or <PgDn> to set the Current date. The date format is month, date, and year.
Date (mm:dd:yy)	<u>Mon, Feb 7 2000</u>																										
Time (hh:mm:ss)	<u>13 : 42 : 25</u>																										
▶ IDE Primary Master																											
▶ IDE Primary Slave																											
▶ IDE Secondary Master																											
▶ IDE Secondary Slave																											
Drive A	1.44M, 3.5 in.																										
Drive B	None																										
Video	<u>EGA/VGA</u>																										
Halt On	<u>All Errors</u>																										
Base Memory	640K																										
Extended Memory	130048K																										
Total Memory	131072K																										

↑ ↓ ← → : Move	Enter : Select	+ / - / DU / DD : Value	F10 : Save	ESC : Exit	F1 : General Help
F2 : Item Help	F3 : Language	F5 : Previous Values	F6 : Setup Defaults	F7 : Turbo Defaults	

Halt On

<u>All Errors</u> [■]
No Errors []
All , But Keyboard []
All , But Diskette []
All , But Disk/Key []

↑ ↓ : Move ENTER : Accept ESC : Abort

2-1 IDE Primary Master

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software Standard CMOS Features		Item Help
IDE HDD Auto-Detection	Press Enter	Menu Level ▶▶ To auto-detect the HDD's size, head... on this channel
IDE Primary Master Access Mode	Auto	
Capacity	20578	
Cylinder	39870	
Head	16	
Precomp	0	
Landing Zone Sector	39869 63	
↑↓↔:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:EXit F1:General Help F2:Item Help F3:Language F5:Previous Values F6:Setup Defaults F7:Turbo Defaults		

IDE Primary Master
None []
Auto [■]
Manual []
↑↓:Move ENTER:Accept ESC:Abort

Access Mode
CHS []
LBA []
Large []
Auto [■]
↑↓:Move ENTER:Accept ESC:Abort

3. Advanced BIOS Features

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software Advanced Bios Features		
Virus Warning	Disabled	Item Help
CPU Internal Cache	Enabled	Menu Level ▶ Set this item to Enabled to activate the warning message. This feature protects the boot sector and partition table of your hard disk from virus intrusion. Any attempt during boot up to write to the boot sector of the HDD stops the system and the following warning message appears on the screen.
External Cache	Enabled	
CPU L2 Cache ECC Checking	Enabled	
Processor Number Feature	Enabled	
Quick Power On Self Test	Enabled	
First Boot Device	CDROM	
Second Boot Device	A:	
Third Boot Device	C:	
Boot Other Device	Enabled	
Swap Floppy Seek	Disabled	
Boot Up Floppy Seek	Disabled	
Boot Up NumLock Status	Off	
Typematic Rate Setting	Disabled	
x Typematic Rate (Chars/Sec)	6	
x Typematic Delay (Msec)	250	
Security Option	Setup	
OS Select For DRAM > 64MB	Non-OS2	
Show Logo On Screen	Enabled	
↑↓←→:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:EXit F1:General Help F2:Item Help F3:Language F5:Previous Values F6:Setup Defaults F7:Turbo Defaults		

Virus Warning

Disabled [■]
Enabled []

↑↓:Move ENTER:Accept ESC:Abort

Processor Number Feature

Disabled []
Enabled [■]

↑↓:Move ENTER:Accept ESC:Abort

First Boot Device

A: []
LS120 []
C: []
SCSI []
CDROM [■]
D: []
E: []
F: []
ZIP []
LAN []
Disabled []

↑↓:Move ENTER:Accept ESC:Abort

Boot Other Device

Disabled []
Enabled [■]

↑↓:Move ENTER:Accept ESC:Abort

Boot Up Floppy Seek

Disabled [■]
Enabled []

↑↓:Move ENTER:Accept ESC:Abort

Boot Other Device

Enabled [■]
Disabled []

↑↓:Move ENTER:Accept ESC:Abort

4. Advanced Chipset Features

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software Advanced Chipst Features		Item Help
SDRAM CAS Latency Time	3	
SDRAM Cycle Time Tras/Trc	7/9	
SDRAM RAS-to-CAS Delay	3	Menu Level ▶
SDRAM RAS Precharge Time	3	
SM I/O Buffers Control	Normal	
System BIOS Cacheable	Disabled	
Video BIOS Cacheable	Disabled	
Memory Hole At 15M-16M	Disabled	
Delayed Transaction	Enabled	

↑↓←→:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:EXit F1:General Help
F2:Item Help F3:Language F5:Previous Values F6:Setup Defaults F7:Turbo Defaults

SDRAM CAS Latency Time
2[] 3[■]
↑↓:Move ENTER:Accept ESC:Abort

SDRAM RAS-to-CAS Delay
3[■] 2[]
↑↓:Move ENTER:Accept ESC:Abort

SDRAM RAS Precharge Time
3[■] 2[]
↑↓:Move ENTER:Accept ESC:Abort

System BIOS Cacheable
Disabled[■] Enabled[]
↑↓:Move ENTER:Accept ESC:Abort

Video BIOS Cacheable
Disabled[■] Enabled[]
↑↓:Move ENTER:Accept ESC:Abort

5. Integrated Peripherals

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software			Item Help
Integrated Peripherals			
On-Chip Primary PCI IDE	Enabled		Menu Level ▶ This parameter lets you enable or disable the IDE device connected to the IDE connector.
On-Chip Secondary PCI IDE	Enabled		
IDE Primary Master PIO	Auto		
IDE Primary Slave PIO	Auto		
IDE Secondary Master PIO	Auto		
IDE Secondary Slave PIO	Auto		
IDE Primary Master UDMA	Auto		
IDE Primary Slave UDMA	Auto		
IDE Secondary Master UDMA	Auto		
IDE Secondary Slave UDMA	Auto		
USB Controller	Enabled		
USB Keyboard Support	Disabled		
Init Display First	Onboard/AGP		
Onboard Audio Codec	Enabled		
AC97 Audio	Auto		
AC97 Modem	Auto		
IDE HDD Block Mode	Enabled		
POWER ON Function	BUTTON ONLY		
x KB Power ON Password	Enter		
x Hot Key Power On	Ctrl-F1		
Onboard FDC Controller	Enabled		
Onboard Serial Port1	3F8/IRQ4		
Onboard Serial Port2	2F8/IRQ3		
UART Mode Select	Normal		
x RxD, TxD Active	Hi,Lo		
x IR Transmission Delay	Enabled		
x IR Duplex Mode	Full		
Onboard Parallel Port	378/IRQ7		
Parallel Port Mode	SPP		
x EPP Mode Select	EPP1.9		
x ECP Mode Use DMA	3		
AC Power Auto Recovery	Off		
Game Port Address	201		
Midi Port Address	330		
Midi Port IRQ	5		

↑↓←→:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:EXit F1:General Help
 F2:Item Help F3:Language F5:Previous Values F6:Setup Defaults F7:Turbo Defaults

Init Display First
PCI Slot [] Onboard/AGP [■]
↑↓:Move ENTER:Accept ESC:Abort

Onboard Audio Codec
Disabled [] Enabled [■]
↑↓:Move ENTER:Accept ESC:Abort

AC97 Audio
Auto [■] Disabled []
↑↓:Move ENTER:Accept ESC:Abort

AC97 Modem
Auto [■] Disabled []
↑↓:Move ENTER:Accept ESC:Abort

POWER ON Function
Password [] Hot KEY [] Mouse Left [] Mouse Right [] Any KEY [] BUTTON ONLY [■] Keyboard 98 []
↑↓:Move ENTER:Accept ESC:Abort

Onboard Serial Port1
Disabled [] 3F8/IRQ4 [■] 2F8/IRQ3 [] 3E8/IRQ4 [] 2E8/IRQ3 [] Auto []
↑↓:Move ENTER:Accept ESC:Abort

AC PWR Auto Recovery	
Off[■]
On[]
Former Status[]
↑↓:Move ENTER:Accept ESC:Abort	

Game Port Recovery	
Disabled[]
201[■]
209[]
↑↓:Move ENTER:Accept ESC:Abort	

Midi Port Address	
Disabled[]
330[■]
300[]
↑↓:Move ENTER:Accept ESC:Abort	

6. Power Management Setup

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software			
Power Management Setup			
ACPI function	Enabled	Item Help	
ACPI Suspend Type	S1		
Power Management	User Define	Menu Level ▶	
Video Off Method	V/H SYNC+Blank	If your OS is ACPI enabled you have to set this item to Enabled, or there may be unexpected errors. If your OS is APM mode, you can remain the Disabled setting.	
Video Off In Suspend	Yes		
Suspend Type	CPU Sleep Mode		
Modem Use IRQ	3		
Suspend Mode	Disabled		
HDD Power Down	Disabled		
Soft-Off by PWR-Button	Instant-Off		
Wake On PCI Card	Disabled		
Wake On Modem	Disabled		
Wake On LAN	Disabled		
Wake On RTC	Disabled		
x Date(of Month) Alarm	0		
x Time(hh:mm:ss) Alarm	0 : 0 : 0		
** Reload Global Timer Event **			
Primary IDE 0	Disabled		
Primary IDE 1	Disabled		
Secondary IDE 0	Disabled		
Secondary IDE 1	Disabled		
FDD,COM,LPT Port	Disabled		
PCI PIRQ[A-D]#	Disabled		
↑↓←→:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:EXIT F1:General Help F2:Item Help F3:Language F5:Previous Values F6:Setup Defaults F7:Turbo Defaults			

Video Off Method	
Blank Screen[]
V/H SYNC+Blank[■]
DPMS[]
↑↓:Move ENTER:Accept ESC:Abort	

Video Off In Suspend	
No[]
Yes[■]
↑↓:Move ENTER:Accept ESC:Abort	

POWER ON Function	
NA[]
3[■]
4[]
5[]
7[]
9[]
10[]
11[]
↑↓:Move ENTER:Accept ESC:Abort	

7. PnP/PCI Configuration

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software PnP/PCI Configurations		
Resources Controlled By x IRQ Resources	Auto(ESCD) Press Enter	Item Help
PCI/VGA Palette Snoop Assign IRQ For VGA Assign IRQ For USB	Disabled Enabled Enabled	Menu Level ▶ Default is Disabled. Select Enabled to reset Extended System Configuration Data (ESCD) when you exit Setup if you have installed a new add-on and the system reconfiguration has caused such a serious conflict that the OS cannot boot
Reset Configuration Data Resources Controlled By x IRQ Resources	Disabled Auto(ESCD) Press Enter	
PCI/VGA Palette Snoop Assign IRQ For VGA Assign IRQ For USB	Disabled Enabled Enabled	
Resources Controlled By x IRQ Resources	Auto(ESCD) Press Enter	
PCI/VGA Palette Snoop Assign IRQ For VGA Assign IRQ For USB	Disabled Enabled Enabled	
Resources Controlled By x IRQ Resources	Auto(ESCD) Press Enter	
PCI/VGA Palette Snoop Assign IRQ For VGA Assign IRQ For USB	Disabled Enabled Enabled	

↑↓←→:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:EXit F1:General Help
F2:Item Help F3:Language F5:Previous Values F6:Setup Defaults F7:Turbo Defaults

Resources Controlled By
Auto(ESCD)[■] Manual[]
↑↓:Move ENTER:Accept ESC:Abort

7-1. IRQ Resources

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software		
IRQ Resources		
IRQ-3 assigned to	PCI Device	Item Help
IRQ-4 assigned to	PCI Device	
IRQ-5 assigned to	PCI Device	Menu Level ▶
IRQ-7 assigned to	PCI Device	Default is Disabled.
IRQ-9 assigned to	PCI Device	Select Enabled to
IRQ-10 assigned to	PCI Device	reset Extended System
IRQ-11 assigned to	PCI Device	Configuration Data
IRQ-12 assigned to	PCI Device	ESCD) when you exit
IRQ-14 assigned to	PCI Device	Setup if you have
IRQ-15 assigned to	PCI Device	installed a new add-on
		and the system
		reconfiguration has
		caused such a serious
		conflict that the OS
		cannot boot
↑↓←→:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:EXit F1:General Help F2:Item Help F3:Language F5:Previous Values F6:Setup Defaults F7:Turbo Defaults		

IRQ-3 assigned to
PCI Device[■] Reserved[]
↑↓:Move ENTER:Accept ESC:Abort

8. Frequency/Voltage Control

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software		Frequency/Voltage Control	
			Item Help
CPU Speed Detected	700(100x7.0)		
Clock Spread Spectrum	±0.38%		Menu Level ▶
System Clock Select By	Table		
x CPU Speed User Setting	100		
CPU Speed Setting	100.2		
CPU Clock Ratio	x3.5 =350		
SDRAM/PCI Clock(MHz)	100/33		
CPU Voltage Default	1.70 V		
CPU Voltage Setting	1.70 V		
↑↓←→:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:EXit F1:General Help F2:Item Help F3:Language F5:Previous Values F6:Setup Defaults F7:Turbo Defaults			

CPU Speed Setting	
120.0[]
100.0[]
124.0[]
100.2[■]
103.0[]
105.0[]
110.0[]
115.0[]
↑↓:Move ENTER:Accept ESC:Abort	

CPU Clock Ratio	
x3[]
x3.5[■]
x4[]
x4.5[]
x5[]
x5.5[]
x6[]
x6.5[]
x7[]
x7.5[]
x8[]
↑↓:Move ENTER:Accept ESC:Abort	

9. Save EEPROM Defaults

Save EEPROM Defaults (Y/N)? Y

10. Save & Exit Setup

Save to CMOS and EXIT (Y/N)? Y
