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User manual ASROCK K7VT4A PRO
User guide ASROCK K7VT4A PRO
Operating instructions ASROCK K7VT4A PRO
Instructions for use ASROCK K7VT4A PRO
Instruction manual ASROCK K7VT4A PRO

The ASRock logo, featuring the word "ASRock" in a green, stylized font.

K7VT4A Pro

User Manual

Version 1.0
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Manual abstract:

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stringent quality control. It delivers excellent performance with robust design conforming to ASRock's commitment to quality and endurance.

Chapter 1 and 2 of this manual contain introduction of the motherboard and step-by-step installation guide. Chapter 3 and 4 contain basic BIOS setup and support CD information. More information of advanced BIOS setup can be found in Appendix on page 25 for advanced users' reference. Because the motherboard specifications and the BIOS software might be updated, the content of this manual will be subject to change without notice. In case any modifications of this manual occur, the updated version will be available on ASRock website without further notice. You may find the latest memory and CPU support lists on ASRock website as well. ASRock website <http://www.asrock.com> 1.1 Package Contents 1 x ASRock K7VT4A Pro Motherboard (ATX Form Factor: 12.

0-in x 7.0-in, 30.5 cm x 17.8 cm) 1 x ASRock K7VT4A Pro Quick Installation Guide 1 x ASRock K7VT4A Pro Support CD 1 x Ultra ATA 66/100/133 IDE Ribbon Cable (80-conductor) 1 x 3.5-in Floppy Drive Ribbon Cable 1 x Serial ATA (SATA) Data Cable 1 x Serial ATA (SATA) HDD Power Cable (Optional) 1 x ASRock I/O Plus™ Shield 4 1.

2 Specifications ATX Form Factor: 12.0-in x 7.0-in, 30.5 cm x 17.8 cm Supports Socket A (462 pins) for AMD Athlon™ / Athlon™ XP / Duron™ / Sempron™ processor North Bridge: VIA KT400A, FSB@200 / 266 / 333 MHz South Bridge: VIA VT8237, Supports USB 2.

0, ATA 133, SATA 1.5Gb/s Platform: CPU: Chipsets: Memory: 2 DDR DIMM slots: DDR1 and DDR2 PC2100 (DDR266) / PC2700 (DDR333) for 2 DDR DIMM slots, Max. 2GB; PC3200 (DDR400) for 1 DDR DIMM slot, Max. 1GB IDE: IDE1: ATA 133 / Ultra DMA Mode 6 IDE2: ATA 133 / Ultra DMA Mode 6 Supports up to 4 IDE Devices Serial ATA: 2 SATA Connectors, Support 1.5Gb/s Data Transfer Rate Floppy Port: Supports up to 2 Floppy Disk Drives Audio: 5.1 Channels AC'97 Audio LAN: Speed: 802.3u (10/100 Ethernet), Supports Wake-On-LAN Hardware Monitor: CPU Temperature Sensing Motherboard Temperature Sensing CPU Overheat Shutdown to Protect CPU Life (ASRock U-COP)(see CAUTION 1) CPU Fan Tachometer Chassis Fan Tachometer Voltage Monitoring: +12V, +5V, +3.3V, Vcore PCI slots: 5 Slots with PCI Specification 2.2 AGP slot: 1 AGP Slot, Supports 1.5V, 8X/4X AGP Card (see CAUTION 2) USB 2.

0: 8 USB 2.0 ports: include 6 ready-to-use USB 2.0 ports on the rear panel, plus one on-board header supporting 2 extra USB 2.0 ports (see CAUTION 3) ASRock I/O Plus™: 1 PS/2 Mouse Port, 1 PS/2 Keyboard Port, 1 Serial Port: COM1, 1 Parallel Port (ECP/EPP Support) 6 ready-to-use USB 2.0 Ports, 1 RJ-45 Port, Audio Jack: Line In / Line Out / Microphone 5 BIOS: OS: AMI legal BIOS, Supports "Plug and Play", ACPI 1.1 Compliance Wake-Up Events, SMBIOS 2.3.1 Support, CPU Frequency Stepless Control (only for advanced users' reference, see CAUTION 4) Microsoft® Windows® 98 SE / ME / 2000 / XP Compliant CAUTION! 1. While CPU overheat is detected, the system will automatically shutdown. Before you resume the system, please check if the CPU fan on the motherboard functions properly and unplug the power cord, then plug it back again.

To improve heat dissipation, remember to spray thermal grease between the CPU and the heatsink when you install the PC system. 2. 3. Do NOT use a 3.3V AGP card on the AGP slot of this motherboard! It may cause permanent damage! Power Management for USB 2.

0 works fine under Microsoft® Windows® XP SP1/2000 SP4. It may not work properly under Microsoft® Windows® 98/ME. Please refer to Microsoft® official document at <http://www.microsoft.com/whdc/hwdev/bus/USB/USB2support>.

mspx 4. Although this motherboard offers stepless control, it is not recommended to perform over clocking. Frequencies other than the recommended CPU bus frequencies may cause the instability of the system or damage the CPU. The CPU host frequency of this motherboard is determined by jumper-setting. You must adjust "FSB Select Jumpers" according to the FSB of your AMD CPU before you set the "CPU Host Frequency" configuration as "Manual" in BIOS. See page 13 for the details of "FSB Select Jumpers" adjustment, and page 25 of "User Manual" in the Support CD for "CPU Host Frequency" configuration. 6 1.3 Motherboard Layout 1 PS2_USB_PWR1 PS/2 MOUSE 2 3 4 5 6 17.8cm (7.0 in) 1 CPU_FAN1 PARALLEL PORT FID4 FID3 FID2 FID1 FID0 1 1 1 1 PS/2 KEYBOARD SERIAL PORT (COM1) DDR 1 (64/72 bit, 184-pin module) 29 USB 2.

0 T: USB2 B: USB3 DDR2 (64/72 bit, 184-pin module) IDE1 IDE2 USB 2.0 Top: T: USB0 RJ-45 B: USB1 28 USB 2.0 1 T: USB4 B: USB5 JUSB45 VIA KT400A CHIPSET 30.5cm (12.0 in) 7 8 9 10 11 12 13 14 15 27 LAN PHY 2MB BIOS AGP 8X SUPER I/O 26 25 24 23 GAME1 1 DDR400 1 AUDIO1 JRI JLI CMOS BATTERY 1 CLRCMOS2 22 AUDIO CODEC AUX1 CD1 FLOPPY1 21 20 1 2 3 4 5 6 7 8 9 10 11 12 13 14 19 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 PS2_USB_PWR1 Jumper CPU Fan Connector (CPU_FAN1) CPU Socket North Bridge Controller 184-pin DDR DIMM Slots (DDR1- 2) ATX Power Connector (ATXPWR1) Secondary IDE Connector (IDE2, Black) Primary IDE Connector (IDE1, Blue) AGP Slot (1).



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Then connect the white end of SATA power cable to the power connector of the power supply. ASRock I/O Plus™ provides you 6 ready-to-use USB 2.0 ports on the rear panel. If the rear USB ports are not sufficient, this USB 2.0 header is available to support 2 extra USB 2.0 ports. This USB45 connector is shared with the USB 2.0 ports 4,5 on ASRock I/O Plus™.

When using the front panel USB ports by attaching the front panel USB cable to this connector (JUSB45), the USB ports 4,5 on ASRock I/O Plus™ will not be able to function. These connectors allow you to receive stereo audio input from sound sources such as a CD-ROM, DVD-ROM, TV tuner card, or MPEG card. This is an interface for front panel audio cable that allows convenient connection and control of audio devices. USB 2.0 Header (9-pin USB67) (see p. 7 item 18) 1 USB_PWR P-6 P+6 GND DUMMY GND P+7 P-7 USB_PWR Shared USB 2.0 Header (9-pin JUSB45) (see p.7 item 28) 1 USB_PWR P-4 P+4 GND USB_PWR P-5 P+5 GND DUMMY Internal Audio Connectors (4-pin CD1, 4-pin AUX1) (CD1: see p.7 No. 20) (AUX1: see p. 7 item 21) AUX-R GND GND AUX-L CD-R GND GND CD-L AUX1 CD1 Front Panel Audio Header (9-pin AUDIO1) (see p.7 No. 24) 1 AUD-OUT-L GND AUD-OUT-R MIC-POWER MIC GND +5VA BACKOUT-R BACKOUT-L 16 System Panel Connector (9-pin PANEL1) (see p.7 item 16) 1 PLED+ PLEDPWRBTN# GND This connector accommodates several system front panel functions. DUMMY RESET# GND HDLEDHLED+ Chassis Speaker Connector (4-pin SPEAKER 1) (see p.7 item 17) 1 SPEAKER DUMMY DUMMY +5V Please connect the chassis speaker to this connector. Chassis Fan Connector (3-pin CHA_FAN1) (see p.7 item 15) GND +12V CHA_FAN_SPEED Please connect a chassis fan cable to this connector and match the black wire to the ground pin. @@@@This section will guide you to install the SATA hard disks. @@STEP 2: Connect the SATA power cable to the SATA hard disk.

@@@@@@@@Please select CDROM as the boot device. @@@@WARNING! Formatting the floppy diskette will lose ALL data in it! Start to format and copy files [YN]? @@@@@@@@@@@@@@ VIA RAID Tool 19 3. @@@The Flash Memory on the motherboard stores the BIOS Setup Utility. You may run the BIOS Setup when you start up the computer. @@@@@@The BIOS Setup Utility is designed to be user-friendly. It is a menu-driven program, which allows you to scroll through its various sub-menus and select among the predetermined choices. Because the BIOS software is constantly being updated, the following BIOS setup screens and descriptions are for reference purpose only, and may not exactly match what you see on your screen. 3.1.1 BIOS Menu Bar The top of the screen has a menu bar with the following selections: MAIN Sets up the basic system configuration ADVANCED Sets up the advanced features SECURITY Sets up the security features POWER Configures Power Management features BOOT Configures the default system device that is used to locate and load the Operating System EXIT Exits the current menu or the BIOS Setup To access the menu bar items, press the right or left arrow key on the keyboard until the desired item is highlighted.

3.1.2 Legend Bar At the bottom of the Setup Screen is a legend bar. The following table lists the keys in the legend bar with their corresponding functions. 20 Navigation Key(s) <F1> <ESC> // +/<Enter> <F9> <F10> Function Description Displays the General Help Screen Jumps to the Exit menu or returns to the upper menu from the current menu Moves cursor up or down between fields Selects menu to the left or right Increases or decreases values Brings up a selected menu for a highlighted field Loads all the setup items to default value Saves changes and exits Setup 3.

2 Main Menu When you enter the BIOS Setup Utility, the following screen appears. AMIBIOS SETUP UTILITY - VERSION 3.31a Boot Power Exit Main Advanced Security [System Date System Time Floppy Drives IDE Devices BIOS Version Processor Type Processor Speed L1 Cache Size L2 Cache Size Total Memory DDR1 DDR2 Setup Help] Sep 24 2004 Fri 20:07:40 Month: Jan - Dec Day: 01 - 31 Year: 1980 - 2099 K7VT4A Pro BIOS P1.00 AMD Athlon(tm) XP 2600+ 2133 MHz 128 KB 256 KB 512 MB 512 MB / 200 MHz (DDR400) None F1:Help Esc:Exit :Select Item :Select Menu +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit System Date [Month/Day/Year] Set the system date that you specify. Valid values for month, day, and year are Month: (Jan to Dec), Day: (1 to 31), Year: (up to 2099).

Use keys to move between the Month, Day, and Year fields. System Time [Hour:Minute:Second] Set the system to the time that you specify. Use keys to move between the Hour, Minute, and Second fields. Floppy Drives Use this to set the type of floppy drives installed. IDE Devices Use this to configure IDE devices.

21 TYPE To set the type of the IDE device, first, please select "IDE Devices" on Main menu and press <Enter> to get into the sub-menu. Then, select among "Primary IDE Master", "Primary IDE Slave", "Secondary IDE Master", and "Secondary IDE Slave" to make configuration of its type. Below are the configuration options. AMIBIOS SETUP UTILITY - VERSION 3.31a Main Primary IDE Master [Auto Setup Help] Type Cylinders Heads Write Precompensation Sectors Maximum Capacity LBA Mode Block Mode Fast Programmed I/O Modes 32 Bit Transfer Mode Ultra DMA Mode Select how to set the parameters of drive, Or Select [AUTO] to set all HDD parameters automatically.

Off Off Auto Off Auto F1:Help Esc:Previous Menu :Select Item +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit [USER]: It allows user to manually enter the number of cylinders, heads, and sectors per track for the drive. Before attempting to configure a hard disk drive, make sure you have the correct configuration information supplied by the drive manufacturer. Incorrect settings may cause the system to fail to recognize the installed hard disk. [Auto]: Select [Auto] to automatically detect hard disk drive. If autodetection is successful, the BIOS Setup automatically fills in the correct values for the remaining fields on this sub-menu. If the autodetection fails, it may due to that the hard disk is too old or too new. If the hard disk was already formatted on an older system, the BIOS Setup may detect incorrect parameters. In these cases, select [User] to manually enter the IDE hard disk drive parameters. After entering the hard disk information into BIOS, use a disk utility, such as FDISK, to partition and format the new IDE hard disk drives. This is necessary so that you can write the data into or read the data from the installed hard disk.

Please make sure to set the partition of the Primary IDE hard disk drives to make them active. 22 [CD/DVD]: This is used for IDE CD/DVD drives. [ARMD]: This is used for IDE ARMD (ATAPI Removable Media Device), such as MO.



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Cylinders This is used to configure the number of cylinders. Refer to the drive documentation to determine the correct value.

Heads This is used to configure the number of read/write heads. Refer to the drive documentation to determine the correct values. Write Pre-compensation Enter Write Pre-compensation sector. Refer to the drive documentation to determine the correct value. Sectors This is used to configure the number of sectors per track.

Refer to the drive documentation to determine the correct value. *Maximum Capacity* This field shows the drive's maximum capacity as calculated by the BIOS based on the drive information you entered. *LBA Mode* This allows user to select the LBA mode for a hard disk > 512 MB under DOS and Windows; for Netware and UNIX user, select [Off] to disable the LBA mode. *Block Mode* Set the block mode to [On] will enhance hard disk performance by reading or writing more data during each transfer. *Fast Programmed I/O Modes* This allows user to set the PIO mode to enhance hard disk performance by optimizing the hard disk timing. *32 Bit Transfer Mode* It allows user to enable 32-bit access to maximize the IDE hard disk data transfer rate. *Ultra DMA Mode* Ultra DMA capability allows improved transfer speeds and data integrity for compatible IDE devices. Set to [Disabled] to suppress Ultra DMA capability. 3.3 Advanced, Security, Power, Boot, and Exit Menus Detailed descriptions of these menus are listed in the Appendix.

See page 25. 23 4. Software Support 4.1 Install Operating System This motherboard supports various Microsoft® Windows® operating systems: 98 SE / ME / 2000 / XP. Because motherboard settings and hardware options vary, use the setup procedures in this chapter for general reference only. Refer to your OS documentation for more information. 4.2 Support CD Information The Support CD that came with the motherboard contains necessary drivers and useful utilities that will enhance the motherboard features. 4.2.

1 Running The Support CD To begin using the support CD, insert the CD into your CD-ROM drive. The CD automatically displays the Main Menu if "AUTORUN" is enabled in your computer. If the Main Menu did not appear automatically, locate and double click on the file ASSETUP.EXE from the BIN folder in the Support CD to display the menus. 4.

2.2 Drivers Menu The Drivers Menu shows the available devices drivers if the system detects installed devices. Install the necessary drivers to activate the devices. 4.2.

3 Utilities Menu The Utilities Menu shows the applications software that the motherboard supports. Click on a specific item then follow the installation wizard to install it. 4.2.4 ASRock PC-DIY Live Demo Program ASRock presents you a multimedia PC-DIY live demo, which shows you how to install your own PC system step by step. You may find the file through the following path: ..\MPEGAV\AVSEQ01.DAT To see this demo program, you may run Microsoft® Media Player® to play the file. 4.

2.5 Contact Information If you need to contact ASRock or want to know more about ASRock, welcome to visit ASRock's website at <http://www.asrock.com>; or you may contact your dealer for further information. 24 Appendix: Advanced BIOS Setup This section will introduce you the following BIOS Setup menus: "Advanced," "Security," "Power," "Boot," and "Exit." 1. Advanced BIOS Setup Menu Main Advanced Security AMIBIOS SETUP UTILITY - VERSION 3.31a

Boot Power Exit [Spread Spectrum CPU Host Frequency Actual Frequency DRAM Frequency Flexibility Option Chipset Configuration Resource Configuration Peripheral Configuration System Hardware Monitor Setup Help] Disabled Auto 133MHz Auto Disabled <Enter> to enable or disable the feature of spread spectrum. F1:Help Esc:Exit :Select Item :Select Menu +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit Spread Spectrum This field should always be [Disabled] for better system stability. CPU Host Frequency [Auto] It is recommended to select this option, which will let the CPU host frequency of this motherboard determined by the jumper-setting.

[Manual] This allows user to set CPU host frequency manually. However, because the CPU host frequency of this motherboard is determined by the jumper-setting, you must set the FSB jumper adjustment according to your AMD CPU before you use this "Manual" option as the FSB setting in BIOS setup to perform over clocking. This is not recommended unless you thoroughly know the feature. Wrong setup may cause problems during operation. DRAM Frequency If set to [Auto], the motherboard will detect the inserted memory module(s) and automatically assign appropriate frequency.

You may select other value as operating frequency: [133MHz (DDR266)], [166MHz (DDR333)], [200MHz (DDR400)]. Flexibility Option The default value of this option is [Disabled]. It will allow better tolerance for memory compatibility when it is set to [Enabled]. 25 Chipset Configuration AMIBIOS SETUP UTILITY - VERSION 3.31a Advanced Chipset Configuration [Setup Help] <Enter> to select [4X], [2X], [1X] as the AGP mode.

AGP Mode AGP Aperture Size AGP Fast Write PCI Delay Transaction USB Controller USB Device Legacy Support DRAM CAS# Latency V-Link Speed Over Vcore Voltage VCCM Voltage AGP Voltage Auto 64MB Disabled Disabled Enabled Disabled Auto Normal Disabled Auto Auto F1:Help Esc:Previous Menu :Select Item +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit AGP Mode This feature will be set to [Auto] as default. AGP Aperture Size It refers to a section of the PCI memory address range used for graphics memory. It is recommended to leave this field at the default value unless the installed AGP card's specification requires other sizes. AGP Fast Write This allows you to enable or disable the feature of AGP fast write protocol support. PCI Delay Transaction Enable PCI Delay Transaction feature will free the PCI Bus when the CPU is accessing 8-bit ISA cards. Disable this feature when using ISA cards that are not PCI 2.1 compliant. USB Controller Use this to enable or disable the use of USB controller. USB Device Legacy Support Use this to enable or disable the support to emulate legacy I/O devices such as mouse, keyboard,...

. etc. DRAM CAS# Latency This is used to adjust the means of memory accessing. Configuration options: [Auto], [2T], [2.5T], [3T]. It is recommended to leave this field as [Auto] unless the installed DRAM's specification requires other value. V-Link Speed This feature allows you to speed up the V-Link speed. The default value is [Normal]. 26 Over Vcore Voltage This feature allows you to increase the CPU Vcore voltage with two levels. The default value is [Disabled].

It is not recommended to enable "Over Vcore Voltage" feature. Doing so may cause CPU damage. VCCM Voltage This item allows you to adjust DRAM voltage.



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Configuration options: [Auto], [High], and [Low]. The default value is [Auto].

AGP Voltage This item allows you to adjust AGP voltage. Configuration options: [Auto], [High], and [Low]. The default value is [Auto]. Resource Configuration AMIBIOS SETUP UTILITY - VERSION 3.31a Advanced Resource Configuration [Setup Help] PCI Latency Timer (PCI Clocks) Primary Graphics Adapter 32 PCI <Enter> to select PCI clocks.

Leave on default setting for the best PCI performance. F1:Help Esc:Previous Menu :Select Item +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit PCI Latency Timer (PCI Clocks) The default is 32. It is recommended to keep the default value unless the installed PCI expansion cards' specifications require other settings. Primary Graphics Adapter Select PCI or AGP as the primary graphics adapter if both PCI VGA and AGP card are installed. 27 Peripheral Configuration AMIBIOS SETUP UTILITY - VERSION 3.31a Advanced Peripheral Configuration [Setup Help] <Enter> to enable or disable the floppy drive controller. OnBoard FDC OnBoard Serial Port OnBoard Parallel Port Parallel Port Mode EPP Version Parallel Port IRQ Parallel Port DMA Channel OnBoard Midi Port Midi IRQ Select OnBoard Game Port OnBoard IDE OnBoard LAN OnBoard AC' 97 Audio Auto Auto Auto ECP+EPP 1.9 Auto Auto Disabled 5 200h Enabled Enabled Auto F1:Help Esc:Previous Menu :Select Item +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit OnBoard FDC Use this to enable or disable floppy drive controller. OnBoard Serial Port Use this to set addresses for the onboard serial ports or disable serial ports. Configuration options: [Auto], [Disabled], [3F8 / IRQ4 / COM1], [2F8 / IRQ3 / COM2], [3E8 / IRQ4 / COM3], [2E8 / IRQ3 / COM4].

OnBoard Parallel Port Select Parallel Port address or disable Parallel Port. Configuration options: [Auto], [Disabled], [378], [278]. Parallel Port Mode Set the operation mode of the parallel port. The default value is [ECP+EPP]. If this option is set to [ECP+EPP], it will show the EPP version in the following item, "EPP Version". OnBoard Midi Port Select address for Midi Port or disable Midi Port. Configuration options: [Disabled], [330], [300], [290], [292].

Midi IRQ Select Use this to select Midi IRQ. Configuration options: [3], [4], [5], [7], [10], [11]. OnBoard Game Port Select address for Game Port or disable Game Port.

Configuration options: [Disabled], [200h], [208h]. OnBoard IDE This allows you to enable or disable the onboard IDE controller. 28 OnBoard LAN This allows you to enable or disable the onboard LAN feature. OnBoard AC'97 Audio Select [Disabled], [Auto] or [Enabled] for the onboard AC'97 Audio feature. System Hardware Monitor You may check the status of the hardware on your system.

It allows you to monitor the parameters for CPU temperature, Motherboard temperature, CPU fan speed, and critical voltage. AMIBIOS SETUP UTILITY - VERSION 3.31a Advanced System Hardware Monitor [Setup Help] CPU Temperature M / B Temperature CPU FAN Speed Chassis FAN Speed Vcore + 3.30V + 5.00V + 12.

00V 35 C / 95 F 27 C / 82 F 3110 RPM 0 RPM 1.72 V 3.31 V 4.97 V 12.16 V F1:Help Esc:Previous Menu :Select Item +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit 29 2. Security Setup Menu Main Advanced Security AMIBIOS SETUP UTILITY - VERSION 3.31a Boot Power Exit

Supervisor Password User Password Set Supervisor Password Set User Password Password Check Clear Clear [Enter] [Enter] Setup [Setup Help] <Enter> to set the supervisor password. F1:Help Esc:Exit :Select Item :Select Menu +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit Supervisor Password: This field shows the status of the Supervisor Password. [Clear]: No password has been set. [Set]: Supervisor password has been set.

User Password: This field shows the status of the User Password. [Clear]: No password has been set. [Set]: User password has been set. Set Supervisor Password: Press <Enter> to set the Supervisor Password. Valid password can be a 1 to 6 alphanumeric characters combination. If you already have a password, you need to enter your current password first in order to create a new password. Set User Password: Press <Enter> to set the User Password. Valid password can be a 1 to 6 alphanumeric characters combination. If you already have a password, you need to enter your current password first in order to create a new password. Password Check: Select the check point for "Password Check".

Configuration options: [Setup], [Always]. If [Setup] option is selected, the "Password Check" is performed before BIOS setup. If [Always] option is selected, the "Password Check" is performed before both boot-up and BIOS setup. 30 3. @@Select [Auto] will enable this feature if the system supports it.

@@@If [Power Off] is selected, the AC/power remains off when the power recovers. If [Power On] is selected, the AC/power resumes and the system starts to boot up when the power recovers. Ring-In Power On Use this to enable or disable Ring-in signals to turn on the system from the power-soft-off mode.

PCI Devices Power On Use this to enable or disable PCI devices to turn on the system from the powersoft-off mode. PS/2 Keyboard Power On Use this to enable or disable PS/2 keyboard to turn on the system from the power-soft-off mode.

RTC Alarm Power On Use this to enable or disable RTC (Real Time Clock) to power on the system. If [Enable] is selected, you must fill the RTC Alarm Date /

Hour / Minute / Second sub-fields with the actual wake up time you desire. 31 4. Boot Setup Menu Main Advanced Security AMIBIOS SETUP UTILITY - VERSION 3.31a Boot Power Exit [Setup Help] Quick Boot Mode Boot Up Num-Lock Boot To OS/2 Boot From Network VIA SATA Raid Utility Boot Device

Priority Enabled On No Disabled Enabled <Enter> to enable or disable the quick boot mode. F1:Help Esc:Exit :Select Item :Select Menu +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit Quick Boot Mode Enable this mode will speed up the boot-up routine by skipping memory

retestings. Boot Up Num-Lock If this is enabled, it will automatically activate the Numeric Lock function after boot-up. Boot To OS/2 This enables boot-up to OS/2 operating system. Boot From Network Use this to enable or disable "boot from network" feature. VIA SATA Raid Utility Use this to enable or disable VIA VT8237 SATA Raid BIOS Utility during POST.

Boot Device Priority This allows you to set the boot device priority. 32 5. Exit Menu Main Advanced Security [[[AMIBIOS SETUP UTILITY - VERSION 3.31a Boot Power Exit Exit Saving Changes Exit Discarding Changes Load Default Settings Discard Changes Enter Enter Enter]]] [Setup Help] Exits and saves the changes in CMOS RAM.



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F1:Help Esc:Exit :Select Item :Select Menu +/-:Change Values Enter:Select Sub-Menu F9:Setup Defaults F10:Save & Exit Exit Saving Changes After you enter the sub-menu, the message "Save current settings and exit" will appear. If you press <ENTER>, it will save the current settings and exit the BIOS SETUP Utility. Exit Discarding Changes After you enter the submenu, the message "Quit without saving changes" will appear. If you press <ENTER>, you will exit the BIOS Setup Utility without making any changes to the settings. Load Default Settings After you enter the submenu, the message "Load default settings" will appear. If you press <Enter>, it will load the default values for all the setup configuration. Discard Changes After you enter the sub-menu, the message "Load setup original values" will appear. If you press <ENTER>, original values will be restored and all changes are discarded. 33 .



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