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Book Descriptions:

970a-ds3 manual

Motherboard Identifying Your Motherboard Revision. For a longer expansion card, use other expansion slots. Box Contents Realtek GbE LAN. PCIe CLK 100 MHz Etron EJ168 Bundled Software Operating System Form Factor. Installing the CPU The AMD SB950 South Bridge supports RAID 0, RAID 1, RAID 5, RAID 10, and JBOD. One single short beep will be heard if no problem is detected at system startup. If a problem is detected, the BIOS may issue beeps in different patterns to indicate the problem. Definition SPDIFO GNDB. The POST Screen. Award Modular BIOS v6.00PG Copyright C 19842011, Award Software, Inc. Motherboard Model BIOS Version. Function Keys. ESC Quit F8 QFlash. Auto default allows the BIOS to automatically adjust the CPU host frequency. Auto lets BIOS automatically set the memory clock as required. Enables or disables memory channel interleaving. Auto lets the BIOS automatically set the system voltages as required. Base Memory Extended Memory. Enter Select Move F5 Previous Values. Enables or disables RAID 5 support for the SATA controller integrated in the AMD SB950 South Bridge. Enabled will speed up the hot plug detection of the connected SATA device. Default Disabled. ESC Exit F1 General Help F7 Optimized Defaults If the system chassis cover is removed, this field threshold for CPU temperature. When CPU temperature exceeds the threshold, BIOS will emit warning sound. ESC Quit F8 QFlash. Press on this item and then press the key to load the optimal BIOS default settings. The BIOS defaults settings help the system to operate in optimum state. ESC Quit F8 QFlash. Press or to return to the BIOS Setup Main Menu. Chapter 3 Drivers Installation. Configuring the Onboard SATA Controller. A. Installing SATA hard drives in your computer. Our Commitment to Preserving the Environment. I just wanna check it here because it doesn't look logical. GIGABYTE Ultra Durable4 Classic technology. Reload to refresh your session. Reload to refresh your session. <http://www.gruntbudowa.pl/files/canon-ir2016i-manual-download.xml>

- **970a-ds3 manual, 970a-ds3p manual, 970a-ds3 bios update, 970a-ds3 bios, ga-970a-ds3 manual, gigabyte 970a-ds3 manual, gigabyte ga-970a-ds3 manual, 970a-ud3 manual, 1.0.**

Page Count 44 Disclaimer Information in this manual is protected by copyright laws and is the property of GIGABYTE. Changes to the specifications and features in this manual may be made by GIGABYTE without prior notice. No part of this manual may be reproduced, copied, translated, transmitted, or published in any form or by any means without GIGABYTE's prior written permission. These stickers are required for warranty validation. If you do not have an ESD wrist strap, keep your hands dry and do not touch a metal object to eliminate static electricity. Chapter 1 Hardware Installation South Bridge AMD SB950. Dual channel memory architecture. CPU overheating warning. BIOS 2 x 32 Mbit flash Use of licensed AW ARD BIOS. Support for QFlash. Support for Download Center. Support for Xpress Install. Support for Xpress Recovery2. Support for Turbo XHD. Support for Smart Recovery. Support for Auto Green. Support for QShare. Bundled Software Norton Internet Security OEM version. Locate the pin one of the CPU. If you wish to set the frequency beyond the standard specifications, please do so according to your hardware specifications including the CPU, graphics card, memory, hard drive, etc. Dual Channel mode cannot be enabled if only one DDR3 memory module is installed. 1. When enabling Dual Channel mode with two or four memory modules, it is recommended that memory 2. of the same capacity, brand, speed, and chips be used and installed in the same colored DDR3 sockets for optimum performance. Memory modules have a foolproof design. Dual Channel Memory Configuration This motherboard provides four DDR3 memory sockets and supports Dual Channel Technology. After the memory is installed, the BIOS

will automatically detect the specifications and capacity of the memory. Enabling Dual Channel memory mode will double the original memory bandwidth. When removing the cable, pull it straight out from the connector. Line In Jack Blue The default line in jack. http://buyapension.com/7strategy/multichem/assets/fck_upload_files/image/canon-ir2016-photocopier-manual.xml

Use this audio jack for line in devices such as an optical drive, walkman, etc. Line Out Jack Green The default line out jack. Use this audio jack for a headphone or 2channel speaker. Microphones must be connected to this jack. To configure 7.1channel audio, you have to use an HD front panel audio module and enable the multichannel audio feature through the audio driver. The power connector possesses a foolproof design. Connect the power supply cable to the power connector in the correct orientation. The 12V power connector mainly supplies power to the CPU. If the 12V power connector is not connected, the computer will not start. To meet expansion requirements, it is recommended that a power supply that can withstand high power consumption be used 500W or greater. If a power supply is used that does not provide the required power, the result can lead to an unstable or unbootable system. DEBUG PORT G. QBOFM 13 1 24 12 A TX A TX Pin No. When connecting a fan cable, be sure to connect it in the correct orientation the black connector wire is the ground wire. The speed control function requires the use of a fan with fan speed control design. To clear the CMOS values, use a metal object like a screwdriver to touch the two pins for a few seconds. Open Normal Short Clear CMOS Values Be sure to connect fan cables to the fan headers to prevent your CPU and system from overheating. These fan headers are not configuration jumper blocks. If more than two hard drives are to be used, the total number of hard drives must be an even number. The front panel design may differ by chassis. A front panel module mainly consists of power switch, reset switch, power LED, hard drive activity LED, speaker and etc. When connecting your chassis front panel module to this header, make sure the wire assignments and the pin assignments are matched correctly. The system reports system startup status by issuing a beep code.

One single short beep will be heard if no problem is detected at system startup. If a problem is detected, the BIOS may issue beeps in different patterns to indicate the problem. The LED is on when the hard drive is reading or writing data. Press the reset switch to restart the computer if the computer freezes and fails to perform a normal restart. The LED is on when the system is operating. The LED keeps blinking when the system is in S1 sleep state. Make sure the wire assignments of the module connector match the pin assignments of the motherboard header. Incorrect connection between the module connector and the motherboard header will make the device unable to work or even damage it. For HD Front Panel Audio For AC97 Front Panel Audio Pin No. Denition 1 MIC 2 GND 3 MIC Power 4 NC 5 Line Out R 6 NC 7 NC 8 No Pin 9 Line Out L 10 NC Pin No. Denition 1 SPDIF 2 GND 1 1 2 9 10 Inadequate BIOS flashing may result in system malfunction. BIOS will emit a beep code during the POST. Inadequately altering the settings may result in systems failure to boot. MB Intelligent Tweaker M.I.T. Standard CMOS Features. Advanced BIOS Features. Integrated Peripherals. Power Management Setup. F1 1 Save CMOS to BIOS. This function allows you to save the current BIOS settings to a profile. You can create up to 8 profiles Profile 18 and name each profile. First enter the profile name to erase the default profile name, use the SPACE key and then press to complete. F12 Load CMOS from BIOS. If your system becomes unstable and you have loaded the BIOS default settings, you can use this function to load the BIOS settings from a profile created before, without the hassles of reconfiguring the BIOS settings. First select the profile you wish to load, then press to complete. The adjustable range is dependent on the CPU being used. The adjustable range is dependent on the CPU being used. Auto default allows the BIOS to automatically adjust the CPU host frequency.

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Manual allows the CPU Frequency MHz item below to be configurable. Note If your system fails to

boot after overclocking, please wait for 20 seconds to allow for automated system reboot, or clear the CMOS values to reset the board to default values. This option is configurable only when CPU Host Clock Control is set to Manual. The adjustable range is from 100 MHz to 150 MHz. Auto lets BIOS automatically set the memory clock as required. The adjustable range is dependent on the CPU being installed. Auto sets the CPU voltage as required. The adjustable range is dependent on the CPU being installed. Default Normal Note Increasing CPU voltage may result in damage to your CPU or reduce the useful life of the CPU. Auto sets the CPU North Bridge VID voltage as required. The adjustable range is dependent on the CPU being installed. Default Normal Note Increasing CPU voltage may result in damage to your CPU or reduce the useful life of the CPU. Access Mode Sets the hard drive access mode. Press to autodetect the parameters of the SATA device on this channel. Extended IDE Drive. Access Mode Sets the hard drive access mode. Enabling Load Line control may keep the CPU voltage more constant under light and heavy CPU load. When enabled, the power consumption will be reduced during system halt state. Auto If a CPU that supports hardware C1E is installed, the BIOS will automatically enable the. If not, the C1E function will be disabled. Default Enabled If a CPU that supports hardware C1E is installed, the BIOS will automatically enable the. If not, the BIOS will enable the software C1E function. Use the up or down arrow key to select a device and press to accept. Options are LS120, Hard Disk, CDROM, ZIP, USBFDD, USBZIP, USB CDROM, USBHDD, Legacy LAN, Disabled. PCI Slot Sets the PCI graphics card as the first display. Default PEG Sets the PCI Express graphics card on the PCIEX16 slot as the first display.

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PEG1 Sets the PCI Express graphics card on the PCIEX4 slot as the first display. RAID Enables RAID for the SATA controller. AHCI Configures the SATA controllers to AHCI mode. Advanced Host Controller Interface AHCI is an interface specification that allows the storage driver to enable advanced Serial ATA features such as Native Command Queuing and hot plug. IDE Disables RAID for the SATA controller and configures the SATA controller to PATA mode. Default As SATA Type The mode depends on the. OnChip SATA Type settings. CMOS Setup Utility Copyright C 1984-2011 Award Software SMART LAN Start detecting at Port. The system can be resumed at any time. S3STR Enables the system to enter the ACPI S3 Suspend to RAM sleep state default. In S3 sleep state, the system appears to be off and consumes less power than in the S1 state. When signaled by a wakeup device or event, the system resumes to its working state exactly where it was left off. InstantOff Press the power button and then the system will be turned off instantly. Default Delay 4 Sec. Press and hold the power button for 4 seconds to turn off the system. If the power button is pressed for less than 4 seconds, the system will enter suspend mode. To turn on the system, enter the password and press. Note To cancel the password, press on this item. When prompted for the password, press again without entering the password to clear the password settings. When CPU temperature exceeds the threshold, BIOS will emit warning sound. You can adjust the fan speed with EasyTune based on system requirements. This item is configurable only when CPU Smart Fan Control is enabled. Auto Lets the BIOS automatically detect the type of CPU fan installed and sets the optimal CPU. Enabled allows the system fan to run at different speed according to the system temperature. If disabled, system fan runs at full speed. Default Enabled Press on this item and then press the key to load the safest BIOS default settings.

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In case system instability occurs, you may try to load FailSafe defaults, which are the safest and most stable BIOS settings for the motherboard. 29 Load FailSafe Defaults Press on this item and then press the key to load the optimal BIOS default settings. The BIOS default settings help the system to operate in optimum state. Always load the Optimized defaults after updating the BIOS or after clearing the CMOS values. 210 Load Optimized Defaults CMOS Setup Utility Copyright C 1984-2011 Award Software Load FailSafe Defaults. MB Intelligent Tweaker M.I.T. Standard CMOS

Features. Advanced BIOS Features. Integrated Peripherals. Power Management Setup. N CMOS Setup Utility Copyright C 19842011 Award Software Load Optimized Defaults. MB Intelligent Tweaker M.I.T. Standard CMOS Features. Advanced BIOS Features. Integrated Peripherals. Power Management Setup. You will be requested to confirm the password. Type the password again and press. When the Password Check item is set to System, you must enter the supervisor password or user password at system startup and when entering BIOS Setup. In BIOS Setup, you must enter the supervisor password if you wish to make changes to BIOS settings. The user password only allows you to view the BIOS settings but not to make changes. To clear the password, press on the password item and when requested for the password, press again. MB Intelligent Tweaker M.I.T. Standard CMOS Features. Advanced BIOS Features. Integrated Peripherals. Power Management Setup. This saves the changes to the CMOS and exits the BIOS Setup program. MB Intelligent Tweaker M.I.T. Standard CMOS Features. Advanced BIOS Features. Integrated Peripherals. Power Management Setup. This exits the BIOS Setup without saving the changes made in BIOS Setup to the CMOS. Press or to return to the BIOS Setup Main Menu. 213 Exit Without Saving CMOS Setup Utility Copyright C 19842011 Award Software Abandon all Data. MB Intelligent Tweaker M.I.T. Standard CMOS Features.

Advanced BIOS Features. Integrated Peripherals. Power Management Setup. Or click Install Single Items to manually select the drivers you wish to install. Then connect the power connector from your power supply to the hard drive. B. Configuring SATA controller mode in BIOS Setup Make sure to configure the SATA controller mode correctly in system BIOS Setup. Save changes and exit BIOS Setup. 2. The BIOS Setup menus described in this section may differ from the exact settings for your motherboard. The actual BIOS Setup menu options you will see shall depend on the motherboard you have and the BIOS version. C. Configuring RAID set in RAID BIOS Enter the RAID BIOS setup utility to configure a RAID array. This action adds the drive to the disk array. The Drive section will show the number of disks assigned. After the creation is complete, the screen will return to 8. LD View Menu where you will see the newly created array. If you do not input any LD name, the default LD name will be used. Fast Initialization Option has been selected It will erase the MBR data of the disk. Press Ctrl Y to Modify Array Capacity or press any other key to use maximum capacity. The message in Figure 1 will appear. Follow the onscreen instructions to install the driver that suits your operating system. Select Load Driver. Insert the motherboard driver disk and then browse to the location of the driver. Then follow the onscreen instructions to load the driver. The locations of the drivers for Windows 7 are as follows RAID driver for Windows 32bit \BootDrv\SBxxxW7\RAID\W7 RAID driver for Windows 64bit \BootDrv\SBxxxW7\RAID\W764A After loading the driver, continue the OS installation. Contravention will be prosecuted. We believe that the information contained herein was accurate in all respects at the time of printing. GIGABYTE cannot, however, assume any responsibility for errors or omissions in this text.

Also note that the information in this document is subject to change without notice and should not be construed as a commitment by GIGABYTE. Our Commitment to Preserving the Environment In addition to high efficiency performance, all GIGABYTE motherboards fulfill European Union regulations for RoHS Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment and WEEE Waste Electrical and Electronic Equipment environmental directives, as well as most major worldwide safety requirements. The parts and components have been carefully selected to meet RoHS requirement. Moreover, we at GIGABYTE are continuing our efforts to develop products that do not use internationally banned toxic chemicals. The WEEE Directive specifies the treatment, collection, recycling and disposal of electric and electronic devices and their components. Under the Directive, used equipment must be marked, collected separately, and disposed of properly. WEEE Symbol Statement The symbol shown below is on the product or on its packaging, which indicates that this product must not be disposed of with other waste. Instead, the device should be taken to

the waste collection centers for activation of the treatment, collection, recycling and disposal procedure. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local government office, your household waste disposal service or where you purchased the product for details of environmentally safe recycling. Customer Care number listed in your products users manual and we will be glad to help you with your effort.

Finally, we suggest that you practice other environmentally friendly actions by understanding and using the energysaving features of this product where applicable, recycling the inner and outer packaging including shipping containers this product was delivered in, and by disposing of or recycling used batteries properly. The BIOS seems to be the correct one as the version showing in bios is updated after I flashed it. At this stage my nvme drive still cannot be used as a boot device. I've set different settings and will test it few days. If you appreciate my efforts and are willing to donate to help improve my hardware, gift cards work for me Amazon, NuEgg, eBay send me a PM If you appreciate my efforts and are willing to donate to help improve my hardware, gift cards work for me Amazon, NuEgg, eBay send me a PM If you appreciate my efforts and are willing to donate to help improve my hardware, gift cards work for me Amazon, NuEgg, eBay send me a PM If you appreciate my efforts and are willing to donate to help improve my hardware, gift cards work for me Amazon, NuEgg, eBay send me a PM What is the difference between the FX and standard board. If you appreciate my efforts and are willing to donate to help improve my hardware, gift cards work for me Amazon, NuEgg, eBay send me a PM This post does not match the desired netiquette of the Forum. Please avoid to write your posts in CAPITAL or in bold letters. Click here, to adjust the content of the private message.

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