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You can read the recommendations in the user guide, the technical guide or the installation guide for ASROCK N68C-S UCC. You'll find the answers to all your questions on the ASROCK N68C-S UCC in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ASROCK N68C-S UCC
User guide ASROCK N68C-S UCC
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Instruction manual ASROCK N68C-S UCC

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

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The Lithium battery adopted on this motherboard contains Perchlorate, a toxic substance controlled in Perchlorate Best Management Practices (BMP) regulations passed by the California Legislature. When you discard the Lithium battery in California, USA, please follow the related regulations in advance. Perchlorate Material special handling may apply, see www.dtsc.ca.gov/hazardouswaste/perchlorate

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English



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Manual abstract:

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@@@Please follow below instructions according to the OS you install. @@Then you are allowed to * There are two LED next to the LAN port.

@@@Please follow below instructions according to the OS you install. @@Then you are allowed to select "2 Channel" or "4 Channel". 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 VGA cards and CPU support lists on ASRock website as well. Com If you require technical support related to this motherboard, please visit our website for specific information about the model you are using. Shared memory 256MB (see CAUTION 8) - Supports D-Sub with max. resolution up to 1920x1440 @ 60Hz - 5.

1 CH HD Audio (VIA® VT1705 Audio Codec) - N68C-GS UCC Realtek Giga PHY RTL8211CL, speed 10/100/1000 Mb/s - N68C-S UCC Realtek PHY RTL8201EL, speed 10/100 Mb/s - Supports Wake-On-LAN 0Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5, JBOD), NCQ and "Hot Plug" functions (see CAUTION 9) - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x Print Port header - CPU/Chassis/Power FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - CD in header - Front panel audio header - 3 x USB 2. Com WARNING Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS, applying Untied Overclocking Technology, or using the thirdparty overclocking tools. Overclocking may affect your system stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking. Please refer to our website for CPU support list. As long as a simple switch of the BIOS option "Unlock CPU Core", you can unlock the extra CPU core to enjoy an instant performance boost. When UCC feature is enabled, the dual-core or triple-core CPU will boost to the quad-core CPU, and some CPU, including quad-core CPU, can also increase L3 cache size up to 6MB, which means you can enjoy the upgrade CPU performance with a better price. Please be noted that UCC feature is supported with AM2+ / AM3 CPU only, and in addition, not every AM2+ / AM3 CPU can support this function because some CPU's hidden core may be malfunctioned. Before you implement Dual Channel Memory Technology, make sure to read the installation guide of memory modules on page 13 for proper installation.

Whether 1600MHz memory speed is supported depends on the AM3 CPU you adopt. If you want to adopt DDR3 1600 memory module on this motherboard, please refer to the memory support list on our website for the compatible memory modules. Com Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® 7 / Vista™ / XP. For Windows® OS with 64-bit CPU, there is no such limitation. Whether 1066MHz memory speed is supported depends on the AM2+ CPU you adopt. If you want to adopt DDR2 1066 memory module on this motherboard, please refer to the memory support list on our website for the compatible memory modules. The maximum shared memory size is defined by the chipset vendor and is subject to change. Before installing SATAII hard disk to SATAII connector, please read the "SATAII Hard Disk Setup Guide" on page 25 of "User Manual" in the support CD to adjust your SATAII hard disk drive to SATAII mode. It is a user-friendly ASRock overclocking tool which allows you to surveil your system by hardware monitor function and overclock your hardware devices to get the best system performance under Windows® environment. The voltage regulator can reduce the number of output phases to improve efficiency when the CPU cores are idle.

In other words, it is able to provide exceptional power saving and improve power efficiency without sacrificing computing performance. This convenient BIOS update tool allows you to update system BIOS without entering operating systems first like MS-DOS or Windows®. With this utility, you can press <F6> key during the POST or press <F2> key to BIOS setup menu to access ASRock Instant Flash. Just launch this tool and save the new BIOS file to your USB flash drive, floppy disk or hard drive, then you can update your BIOS only in a few clicks without preparing an additional floppy diskette or other complicated flash utility. The software name itself OC DNA literally tells you what it is capable of.

OC DNA, an exclusive utility developed by ASRock, provides a convenient way for the user to record the OC settings and share with others. It helps you to save your overclocking record under the operating system and simplifies the complicated recording process of overclocking settings. With OC DNA, you can save your OC settings as a profile and share with your friends! @@@@5%, but the effect still depends on the AM2 CPU you adopt.

@@@@ hold components by the edges and do not touch the ICs.



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@@@Doing so may damage the motherboard.

@@Carefully insert the CPU into the socket until it fits in place. The CPU fits only in one correct orientation. @@@You also need to spray thermal grease between the CPU and the heatsink to improve heat dissipation. Make sure that the CPU and the heatsink are securely fastened and in good contact with each other. This motherboard provides two 240-pin DDR2 (Double Data Rate 2) DIMM slots and two 240-pin DDR3 (Double Data Rate 3) DIMM slots, and supports Dual Channel Memory Technology. For dual channel configuration, you always need to install identical (the same brand, speed, size and chip-type) DDR2/DDR3 DIMM pair in the slots of the same color. In other words, you have to install identical DDR2 DIMM pair in Dual Channel (DDR2_1 and DDR2_2; Yellow slots; see p. Dual Channel DDR2 Memory Configurations (DS: Double Side, SS: Single Side) DDR2_1 DDR2_2 (Yellow Slot) (Yellow Slot) 2 memory modules SS SS 2 memory modules DS DS Dual Channel DDR3 Memory Configurations (DS: Double Side, SS: Single Side) DDR3_A1 (Blue Slot) 2 memory modules SS 2 memory modules DS DS Dual Channel DDR3 Memory Configurations (DS: Double Side, SS: Single Side) DDR3_A1 (Blue Slot) 2 memory modules SS 2 memory modules DS DS If you want to install two memory modules, for optimal compatibility and reliability, it is recommended to install them in the slots of the same color. In other words, install them in the set of blue slots (DDR3_A1 and DDR3_B1), or in the set of yellow slots (DDR2_1 and DDR2_2). If only one memory module is installed in the DIMM slot on this motherboard, it is unable to activate the Dual Channel Memory Technology.

It is not allowed to install a DDR3 memory module into DDR2 slot or install a DDR2 memory module into DDR3 slot; otherwise, this motherboard and DIMM may be damaged. DDR2 and DDR3 memory modules cannot be installed on this motherboard at the same time. Please make sure to disconnect power supply before adding or removing DIMMs or the system components. The DIMM only fits in one correct orientation. It will cause permanent damage to the motherboard and the DIMM if you force the DIMM into the slot at incorrect orientation. Firmly insert the DIMM into the slot until the retaining clips at both ends fully snap back in place and the DIMM is properly seated. There are 2 PCI slots and 2 PCI Express slots on this motherboard. PCI slots: PCI slots are used to install expansion cards that have the 32-bit PCI interface. PCIE slots: PCIE1 (PCIE x1 slot) is used for PCI Express cards with x1 lane width cards, such as Gigabit LAN card, SATA2 card, etc. PCIE2 (PCIE x16 slot) is used for PCI Express cards with x16 lane width graphics cards.

Before instease follow the instruction in our manual and chassis manual to install your system. 2. If you use AC'97 audio panel, please install it to the front panel audio header as below: A. You don't need to connect them for AC'97 audio panel. Enter Advanced Settings, and then select Chipset Configuration. This header accommodates several system front panel functions. Please connect the CPU fan cable to this connector and match the black wire to the ground pin. Though this motherboard provides 4-Pin CPU fan (Quiet Fan) support, the 3-Pin CPU fan still can work successfully even without the fan speed control function. If you plan to connect the 3-Pin CPU fan to the CPU fan connector on this motherboard, please connect it to Pin 1-3. Please connect an ATX power supply to this connector.

Though this motherboard provides 24-pin ATX power connector, it can still work if you adopt a traditional 20-pin ATX power supply. To use the 20-pin ATX power supply, please plug your power supply along with Pin 1 and Pin 13. Please note that it is necessary to connect a power supply with ATX 12V plug to this connector. To install the drivers to your system, please insert the support CD to your optical drive first. Then, the drivers compatible to your system can be auto-detected and listed on the support CD driver page. Please follow the order from up to bottom side to install those required drivers. Therefore, the drivers you install can work properly. If you just want to install Windows® 7 / 7 64-bit / VistaTM / VistaTM 64-bit / XP / XP 64-bit on your SATA / SATAII HDDs without RAID functions, you don't have to make a SATA / SATAII driver diskette. Besides, there is no need for you to change the BIOS setting. You can start to install Windows® 7 / 7 64-bit / VistaTM / VistaTM 64-bit / XP / XP 64-bit on your system directly.

If you want to install Windows® 7 / 7 64-bit / VistaTM / VistaTM 64-bit / XP / XP 64-bit on your SATA / SATAII HDDs with RAID functions, please refer to the document at the following path in the Support CD for detailed procedures: . @@@ j. @@@When you start up the computer, please press <F2> during the Power-On-Self-Test (POST) to enter BIOS Setup utility; otherwise, POST continues with its test routines. If you wish to enter BIOS Setup after POST, please restart the system by pressing <Ctl> + <Alt> + <Delete>, or pressing the reset button on the system chassis. the BIOS Setup program is designed to be user-friendly. It is a menu-driven program, which allows you to scroll through its various sub-menus and to select among the predetermined choices. The Support CD that came with the motherboard contains necessary drivers and useful utilities that will enhance motherboard features. To begin using the Support CD, insert the CD into your CDROM drive. 1 CH HD Audio (VIA® VT1705 Audio Codec) - N68C-GS UCC Realtek Giga PHY RTL8211CL, speed 10/100/1000 Mb/s - N68C-S UCC Realtek PHY RTL8201EL, speed 10/100 Mb/s - Unterstützt Wake-On-LAN 1 compliance wake up events - Soporta "jumper free setup" - Soporta SMBIOS 2. .



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