

## Dfi Lanparty Nf2 Manual

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**File Name:** Dfi Lanparty Nf2 Manual.pdf

**Size:** 2353 KB

**Type:** PDF, ePub, eBook

**Category:** Book

**Uploaded:** 13 May 2019, 22:52 PM

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## Book Descriptions:

# Dfi Lanparty Nf2 Manual

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- **dfi lanparty nfii ultra manual, 1.0, dfi lanparty nfii ultra manual.**

To avoid damage to the system. To reduce the risk of electric shock. After installation or servicing, Battery. The system board package contains the following items. If any of. One system board. One IDE cable. One floppy cable. Two Serial ATA data cables. One Serial ATA power cable. One RAID driver diskette. One "Mainboard Utility" CD. One user's manual. The system board and accessories in the package may not come. This may differ in accordance. For more information about the standard package in your region, please contact. Before Using the System Board. Before using the system board, prepare basic system components. If you are installing the system board in a new system, you will need. Storage devices such as hard disk drive, CDROM, etc. You will also need external system peripherals you intend to use. Chapter 1 Introduction. Specifications. Processor. HyperTransport. Chipset. System Memory. Expansion Slots. Audio. IDE with NVIDIA. Serial ATA with. Features. The system board supports the AMD. You can select. Configuration" section of the BIOS. When the CPU's task slows down, the system effectively lowers power consumption by lowering its CPU speed and. The two identical graphics. The x1 PCI Express lane supports. The PCI Express architecture also provides a high performance graphics infrastructure by enhancing the capability of a x16 PCI Express lane to. Once the CPU's temperature exceeded the temperature limit predefined by the CPU, the system will. This preventive measure has been added to. CPU Overheat. Protection. DDR2 is a higher performance DDR technology whose. That is twice the speed of the conventional DDR without increasing its power consumption. DDR2 SDRAM modules work at 1.8V supply compared to 2.6V. DDR2 also incorporates new. The onboard Realtek ALC850 which is an AC'97 compatible audio codec and the 6 audio jacks at the rear. This prevents the. PDIF connector on

the system board sends surround sound and 3DULTRAIM2 only. Serial ATA is a storage interface that is compliant with SATA 1. <http://www.inbeeldt.nl/userfiles/bpi-muzzleloader-manual.xml>

0INFINITY NFIIM2 and INFINITY NF4XIIM2 support speed of up. The NVIDIA nForce4 chip supports NVIDIA RAID Redundant Array of Independent Disk that allows RAIDThe Marvell 88E1115 Gigabit LAN chip supports up toIEEE 1394 is fully compliant with the 1394 OHCI Open. Host Controller Interface 1.1 specification. It supports upIn addition to its high speed, itIrDA. The system board supports USB 2.0 and USB 1.1This feature allows the system that is in the. Suspend mode or Soft Power Off mode to. PME Power Management Event signal to remotely wake up theImportant. If you are using a modem addin card, the 5VSB power sourceThis feature allows the network to remotelyIt is supported via the onboard LAN port or via a PCI LAN cardWakeOnLAN. The 5VSB power source of your power supply must supportImportant. The 5VSB power source of your power supply must supportThis function allows you to use a USB keyboard or USB mouse to wake up a systemWakeOnUSB. ImportantThe RTC installed on the system board allows yourThe system board is designed to meet the ACPI Advanced Configuration and Power Interface specification. ACPI has energy saving features that enables PCs to implement. Power Management and PlugandPlay with operating systems thatACPI when enabled in the. Power Management Setup will allow you to use the Suspend to. RAM function.With the Suspend to RAM function enabled, you can poweroff theThis is because the system is capable of storing all programs and data files during the entire operating sessionThe operating session will resume exactly where you left off the next time youImportant. The 5VSB power source of your power supply must supportChipset. LogementsPCIE3 fonctionnera avec une bande passante de x2 ou x8Puissance. Fonctions de. Moniteur deAudioIDE avec NVIDIALeistungsmerkmale und Technische Daten. Prozessor. Systemspeicher. Expansion SchlitzBandbreite x16.Management. KleinteilmonitorDDR2 533 und DDR2 667 DIMMsAudioIDE mit NVIDIA NF4XIIM2 onlyChipsetRanuras deMonitor del.

HardwareAudioIDE con NVIDIASerial ATA conTA cHardware InstallationSystem Board Layout. The system board shown above is the INFINITY NF ULTRAIM2 board which usesThe chip on the board will vary in accordance toNFIIM2 NVIDIA nForce4TM chip. NF4XIIM2 NVIDIA nForce44XTM chipElectrostatic discharge ESD can damage your system board,If a wrist strap is unavailable,System MemoryWhen the DRAM Power LED lit red, it indicates that power isPoweroff the PC then unplug theFailure to do soDRAM Power LEDChannel B. Channel A. Channel B. The system board supports 240pin DDR2 DIMM sockets. The four. DDR2 DIMM sockets on the system board are divided into 2 channels. Channel A DDR21 and DDR23. Channel B DDR22 and DDR24Single Channel SC. Data will be accessed in chunks of 64 bits 8B from the memoryDual Channel DC. Data will be accessed in chunks of 128 bits from the memorySingle ChannelHowever, we highlyDual Channel. The table below shows the DIMM sockets that must be populatedWe stronglyInstalling DDR2 DIMMs other than the recommended configurationsDDR2 Speed in Relation to the CPU's Core Multiplier. The DDR2 speed is highly relevant to the CPU's core multiplier. ItBIOS Setting, "DRAM Speed" field and the CPU's core multiplier. Core. Multiplier Frequency DDR2 400 DDR2 533 DDR2 667 DDR2 800Configure the system memory in the Genie BIOS Setting submenuInstalling the DIM Module. A DIM module simply snaps into a DIMM socket on the systemNotch. Key. Tab. Pin 1Make sure it isThe system board is equipped with Socket AM2 for installing an. AMD CPU designed for this socket.When the DRAM Power LED lit red, it indicates that power isPoweroff the PC then unplug theInstalling the CPUDRAM Power LEDMake sure the lever is liftedLeverThe gold mark on the CPUImportant. Handle the CPU by its edges and avoid touching the pins. Gold markCPU will fit in only one orientation and can easily be insertedImportant. Do not force the CPU into the socket.

<http://superbia.lgbt/flotaganis/1648464553>

Forcing the CPU intoCPU is completely secured in the socket. Side tabThe CPU must be kept cool by

using a CPU fan with heat sink. Without sufficient air circulation across the CPU and heat sink, the CPU will overheat damaging both the CPU and system board. Failure to use the appropriate cooling systemNoteIf the installation procedure in the installation guide differs from the oneThe thermal paste is usuallyDo not spread the paste all over the surface. When you laterPeel the strip that covers theRetainingRetentionNow hook one side ofRetaining tab. Retention clipRetentionNoteCPU fan and heat sink.Jumper Settings. Clear CMOS DataClear CMOS Data. If you encounter the following,Wait for a few seconds and set JP2If your reason for clearing the CMOS data is due to incorrectRefer to the Genie BIOS Setting section in chapterBIOS Setting. Management Setup submenu of the BIOS. Refer to chapter 3 forImportant. The 5VSB power source of your power supply must supportJP5 and JP6 are used to select the power of the USB ports. Selecting 5VSB will allow you to use the USB keyboard or USBImportantCPU Fan SelectThe system board allows connecting a CPU fan that comes with aSet JP11 according to the type ofImportant. If JP11 is set incorrectly, the system will not be able to appropriately detect the CPU fan.The jumpers below are used to select the bandwidth of the PCI. Express lanes.The settings below are for INFINITY NF ULTRAIIIM2, INFINITY. NFIIM2 and INFINITY NF4XIIM2 system boards.When the jumpers are set to 23 On, the system board onlyInstall the graphics card onto the. PCIE 1 slot. Do not install any card on PCIE 3. This is a chipsetWe strongly recommend that you install the PCI Express slots withPCI Express CardsGraphics card. PCIE 3 x2 slot. LAN, TV or RAID card. Hardware InstallationMouseParallel Port. COM port. USB ports. LAN port. Linein port. Micin portMake sure to turn off your computer prior to connecting orFailure to do so mayTo use thisJP7 must be set to "23 On 5VSB".

<http://islamkennis.com/images/Daewoo-Tv-User-Manuals.pdf>

Select" in this chapter for more information. Setup submenu of the BIOS. Refer to chapter 3 for more information.ParallelIt supports. SPP, ECP and EPP. Setting. FunctionAllows normal speed operation butAllows parallel port to operate inAllows bidirectional parallel port operation at maximum speed. BIOS Setting. Configure the parallel port in the Integrated Peripherals submenuRefer to chapter 3 forSPDIF outMake sure pin 1 of the audio cable connector is aligned with pin 1ImportantThe serial port is RS232 asynchronous communicationBIOS Setting. Configure the serial port in the Integrated Peripherals submenu "Super IO Device" section of the BIOS. Refer to chapter 3 for moreGroundTPBGroundIt is also equipped with an IEEE 1394 connector at location J8The 1394 portInstall the cardedgeMake sure pin 1 of the cable connector is aligned with pin 1 of theJ34 USB 45, J18 USB 67 and J33 USB 89 connectors allowInstall the cardedge bracketConfigure the onboard USB in the Integrated Peripherals submenuRefer to chapter 3 forDriver Installation. You may need to install the proper drivers in your operating systemRefer to your operating system's manual orRefer to chapter 4 for more information about installing the USB 2.0USB keyboard or USB mouse to wake up a system from the S3To use this function. Refer to "USB. Power Select" in this chapter for more information. ImportantLAN allows the system board to connect to a local area networkBIOS Setting. Configure the onboard LAN in the Integrated Peripherals submenuRefer to chapter 3 forDriver Installation. Install the nVidia Chipset Drivers which already includes the NVIDIA. Ethernet Driver. Refer to chapter 4 for more information.Audio. Rear audio. Subwoofer. Linein. MicinMic PowerLinein Light Blue. This jack is used to connect any audio devices such as Hifi set. This jack is used to connect to the front right and front leftMicin Jack Pink. This jack is used to connect an external microphone.

<https://www.ejnerkaa-landbrug.dk/images/Daewoo-Tv-Service-Manuals.pdf>

This jack is used to connect to the center and subwoofer speakers of the audio system.This jack is used to connect to the side left and side right speakers of the audio system. Front Audio. The front audio connector at location J4 allows you to connect toRemove the jumper caps from pins 56 and pins 910 of J4 prior toMake sure pin 1 of theIf you are not using thisPins 56 and 910 shortThe front audio is disabled. The rear audio is enabled. Pins 56 and 910 open. The front audio is enabled. The

rear audio is disabled. Configure the onboard audio in the Integrated Peripherals submenu. Refer to chapter 3 for Driver Installation. Install the audio driver. Refer to chapter 4 for more information.

**CD in Internal Audio Connector.** Ground. Left audio. Right audio.

**CDROM drive, TV tuner or MPEG card.** Connecting the Floppy Disk Drive Cable. Install one end of the floppy disk drive cable into the shrouded connector. The colored edge of the daisy chain cable connects to the floppy disk drive. BIOS Setting. Enable or disable this function in the Integrated Peripherals submenu. Refer to chapter 3 for Serial ATA Connectors.

**NVIDIA RAID** allows RAID arrays spanning across Serial ATA. Connecting Serial ATA Cables. Connect one end of the Serial ATA cable to the Serial ATA connector and the other end to your Serial ATA device. Configure Serial ATA in the Integrated Peripherals submenu. Refer to chapter 3 for Configuring RAID. The system board allows configuring RAID on Serial ATA drives. Refer to chapter 6 for steps in configuring RAID.

The system board is equipped with two shrouded PCI IDE headers. PCI IDE header has a keying mechanism. The 40-pin connector on each IDE connector supports 2 devices, a Master and a Slave. Use IDE ribbon cable. Each IDE ribbon cable has 3 connectors on them, one that plugs into an IDE connector on the system board and the other 2 connect to IDE devices. The connector at the end of the cable is for the Master.

**Connecting the IDE Disk Drive Cable.**

Install one end of the IDE cable into the IDE 1 header J25 on the system board. If you are adding a third or fourth IDE device, use another IDE header. Note. Refer to your disk drive user's manual for information about Adding a Second IDE Disk Drive. When using two IDE drives, one must be set as the master and the other as the slave. We recommend that you set the master drive as the master. In a few cases, drives may be set as slaves. Important. If you encountered problems while using an ATAPI CDROM drive, refer to the BIOS Setting. Configure the onboard IDE in the Integrated Peripherals submenu. Refer to chapter 3 for Configuring RAID. The system board allows configuring RAID on Parallel ATA drives. Refer to chapter 6 for steps in configuring RAID.

Note. The sequence of the pin functions on some IrDA cable may be different. Make sure to connect the cable connector to the IrDA connector. BIOS Setting. Configure IrDA in the Integrated Peripherals submenu "Super IO. Device" section of the BIOS.

**Driver Installation.** You may need to install the proper drivers in your operating system. Refer to your operating system's manual or the driver's manual.

**Cooling Fan Connectors.** Ground. Power. Sense. Control. X. Sense. Ground. Sense. Ground. N. C. Ground. Sense. Chipset fan J32, System fan J31. Chassis fan 1 J36 and Chassis fan 2 J35 are used to connect the cooling fans. The cooling fans will provide adequate airflow.

BIOS Setting. The "PC Health Status" submenu of the BIOS will display the current system status. Refer to chapter 3 for more information.

**Standby. Power LED. DRAM Power LED.** This LED will light when the system's power is on. **Standby Power LED.** This LED will light when the system is in the standby mode.

**PCI slots.** Power off the PC then unplug the power cord prior to failure to do so.

**Power Connectors.** Use a power supply that complies with the ATX12V Power Supply. Design Guide Version 1.1. An ATX12V power supply unit has a ground pin. This will provide more stability to the entire system. The system board requires a minimum of 300 Watt power supply. Important. Insufficient power supplied to the system may result in instability or the add-in boards and peripherals not functioning properly.

Calculating the system's approximate power usage is important to ensure that the power supply meets the system's requirements.

**Restarting the PC.** Normally, you can power off the PC by using the power button. If for some reasons you need to totally cut off the power supplied to the PC, please refer to the "LEDs" section in this chapter for the location of the power button. If the system board is already enclosed in a chassis which has a power button, the above will ensure protection and prevent damage to the system board.

**RESET Reset Switch.** This switch allows you to reboot without having to power off the system. **SPEAKER Speaker Connector.** This connects to the speaker installed in the system chassis. **ATXSW ATX Power Switch.** Depending on the setting in the BIOS setup, this switch is a "dual function" switch. Refer to "Soft Off By PBTN" in the Power. Management Setup Chapter 3. When the system's power is on, this LED will light. When the system is in the RAM state, it will blink every second. Note. Please make sure the speaker is connected properly.

**Hardware Installation**

**Reset Switch. Power Switch** They provide **PCI Express Slots.** PCI Express x16. PCI Express x1. Install PCI Express x16 graphics card, that comply to the PCI Express specifications, into the PCI Express slot.

Express x16 slot. To install a graphics card into the x16 slot, align the graphics card above the slot then refer to chapter 7 for information on configuring SLI. Install PCI Express x1 cards such as network cards or other cards. The lithium ion battery powers the realtime clock and CMOS. Safety Measures. Chapter 3 BIOS Setup. Award BIOS Setup Utility. In addition, the BIOS also contains codes for various advanced features found in this system board. This chapter explains the Setup Utility for the Award BIOS. After you power up the system, the BIOS message appears on the screen. After the memory test, the BIOS message disappears before you respond, restart the system or you may also restart the system by pressing the **Ctrl** and **Alt** keys simultaneously. When you press, the main menu screen will appear.

Phoenix Award BIOS CMOS Setup Utility. Load Fail-Safe Defaults. Load Optimized Defaults. Set Supervisor Password. Set User Password. Exit Without Saving. Esc Quit. Phoenix Award BIOS CMOS Setup Utility. Standard CMOS Features. Time: Tue, Jun 6 2006. None. None. Channel 0 Master. Channel 0 Slave. Channel 1 Master. Channel 1 Slave. Channel 2 Master. Channel 3 Master. Channel 4 Master. Channel 5 Master. Drive A. Halt On. Base Memory. Extended Memory. Total Memory. Month displays the month, from January to December. Date displays the date, from 1 to 31. Year. Time. The time format is. The time is based on. For example, 1 p.m. is 130000. Hour displays hours from 00 to 23. Minute displays minutes from 00 to 59. Channel. Channel. Channel. Slave. Master. Slave. Used to configure Parallel ATA drives. Channel. Channel. Master. Used to configure Serial ATA drives. Note. The NVIDIA nForce4 chip supports RAID arrays spanning multiple drives. Enable the RAID function in Phoenix Award BIOS CMOS Setup Utility. IDE Channel 0 Master. IDE HDD Auto-Detection. Press Enter. Access Mode. Auto. Capacity. Head. Precomp. Landing Zone. Sector. Full Screen LOGO Show. Small Logo. EPA Show Advanced BIOS Features. ESC Exit. F1 General Help. F7 Optimized Defaults. The screen above lists all the fields available in the Advanced BIOS Features. In the actual CMOS setup, you have the settings on the screen are for reference only. Your version may not be the same. Hard Disk Boot Priority. This field is used to select the boot sequence of the hard drives. Move the cursor to this field then press. Use the Up or Down arrow keys to select a device then press to move it up. Phoenix Award BIOS CMOS Setup Utility. Hard Disk Boot Priority. Item Help.

Your version may not be the same. This field is used to select the boot sequence of the network. Move. Use the Up or Down arrow keys to select a device then press to move it up. Phoenix Award BIOS CMOS Setup Utility. Network Boot Priority. Item Help. Your version may not be the same. Virus Warning. This field protects the boot sector and partition table of your hard disk. If an attempt is made to write to the boot sector or partition table, a warning message will appear. After seeing the error message, if necessary, you will be able to run many disk diagnostic programs which attempt to access the boot sector table will cause the warning message to appear. If you are running CPU Internal Cache and External Cache. These fields speed up the memory access. The default is Enabled. Quick Power On Self Test. This field speeds up Power On Self Test POST whenever the system is powered on. The BIOS will shorten or skip some check items. First Boot Device, Second Boot Device, Third Boot Device and Boot. Other Device. Select the drive to boot first, second and third in the "First Boot Device", "Second Boot Device" and "Third Boot Device" fields respectively. The BIOS will boot the operating system according to the settings. Set "Boot Other Device" to Enabled. When enabled, the BIOS will check whether the floppy disk drive installed is 40 or 80 tracks. Note that the BIOS cannot distinguish between 720K, 1.2M, 1.44M and 2.88M drive types as they are all 80 tracks. Note that there will not be any warning. Boot Up NumLock Status. This allows you to determine the default state of the numeric keypad. When set to Off, the function of the numeric keypad is the arrow keys. Typematic Rate Setting. Disabled. Continually holding down a key on your keyboard will cause the BIOS to report that the key is down. For example, you would use such a key to select the typematic rate and this field allows you to select the rate at which the keys are accelerated. Typematic Delay Msec. This field allows you to select the delay between when the key

wasSecurity Option.

This field determines when the system will prompt for the passwordSystem The system will not boot and access to Setup will beSetup The system will boot, but access to Setup will be deniedAPIC Mode. Leave this field in its default setting. MPS Version Control for OS.

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