



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ZYXEL NSA 210. You'll find the answers to all your questions on the ZYXEL NSA 210 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ZYXEL NSA 210
User guide ZYXEL NSA 210
Operating instructions ZYXEL NSA 210
Instructions for use ZYXEL NSA 210
Instruction manual ZYXEL NSA 210

NSA210

1-Bay Digital Media Server

User's Guide



Default Login Details

Web Address	nsa210
User Name	admin
Password	1234

Firmware Version 4.10
Edition 1, 10/2010

www.zyxel.com

ZyXEL

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<http://yourpdfguides.com/dref/3228876>

Manual abstract:

This can help you quickly pinpoint the information you require. You can also enter text directly into the toolbar in Reader. · To quickly move around within a page, press the [SPACE] bar. This turns your cursor into a "hand" with which you can grab the page and move it around freely on your screen. · Embedded hyperlinks are actually cross-references to related text. Click them to jump to the corresponding section of the User's Guide PDF. Related Documentation · Quick Start Guide The Quick Start Guide is designed to help you get your NSA up and running right away. It contains information on setting up your network and configuring for Internet access. · Web Configurator Online Help The embedded Web Help contains descriptions of individual screens and supplementary information. Note: It is recommended you use the Web Configurator to configure the NSA.

· Support Disc Refer to the included CD for support documents. NSA210 User's Guide 3 About This User's Guide Documentation Feedback Send your comments, questions or suggestions to: techwriters@zyxel.com.tw Thank you! The Technical Writing Team, ZyXEL Communications Corp., 6 Innovation Road II, Science-Based Industrial Park, Hsinchu, 30099, Taiwan.

Need More Help? More help is available at www.zyxel.com. · Download Library Search for the latest product updates and documentation from this link. Read the Tech Doc Overview to find out how to efficiently use the User Guide, Quick Start Guide and Command Line Interface Reference Guide in order to better understand how to use your product.

· Knowledge Base If you have a specific question about your product, the answer may be here. This is a collection of answers to previously asked questions about ZyXEL products. · Forum This contains discussions on ZyXEL products. Learn from others who use ZyXEL products and share your experiences as well. 4 NSA210 User's Guide About This User's Guide Customer Support Should problems arise that cannot be solved by the methods listed above, you should contact your vendor. If you cannot contact your vendor, then contact a ZyXEL office for the region in which you bought the device. See http://www.zyxel.com/web/contact_us.php for contact information.

Please have the following information ready when you contact an office. · Product model and serial number. · Warranty Information. · Date that you received your device. Brief description of the problem and the steps you took to solve it. NSA210 User's Guide 5 Document Conventions Document Conventions Warnings and Notes These are how warnings and notes are shown in this User's Guide. Warnings tell you about things that could harm you or your device.

Note: Notes tell you other important information (for example, other things you may need to configure or helpful tips) or recommendations. Syntax Conventions · The NSA may be referred to as the "NSA", the "device" or the "system" in this User's Guide. · Product labels, screen names, field labels and field choices are all in bold font.

· A key stroke is denoted by square brackets and uppercase text, for example, [ENTER] means the "enter" or "return" key on your keyboard. · "Enter" means for you to type one or more characters and then press the [ENTER] key. "Select" or "choose" means for you to use one of the predefined choices. · A right angle bracket (>) within a screen name denotes a mouse click. For example, Maintenance > Log > Log Setting means you first click Maintenance in the navigation panel, then the Log sub menu and finally the Log Setting tab to get to that screen.

· Units of measurement may denote the "metric" value or the "scientific" value. For example, "k" for kilo may denote "1000" or "1024", "M" for mega may denote "1000000" or "1048576" and so on. · "e.g.," is a shorthand for "for instance", and "i.

e.," means "that is" or "in other words". 6 NSA210 User's Guide Document Conventions Icons Used in Figures Figures in this User's Guide may use the following generic icons. The NSA icon is not an exact representation of your device. Graphics in this book may differ slightly from the product due to differences in operating systems, operating system versions, or if you installed updated firmware/software for your device. Every effort has been made to ensure that the information in this manual is accurate. NSA Computer Notebook computer Server Television Firewall Router Switch Wireless Access Point Internet NSA210 User's Guide 7 Safety Warnings Safety Warnings · Do NOT use this product near water, for example, in a wet basement or near a swimming pool. · Do NOT expose your device to dampness, dust or corrosive liquids. · Do NOT store things on the device. · Do NOT install, use, or service this device during a thunderstorm.

There is a remote risk of electric shock from lightning. · Connect ONLY suitable accessories to the device. · Do NOT open the device or unit. Opening or removing covers can expose you to dangerous high voltage points or other risks. ONLY qualified service personnel should service or disassemble this device. Please contact your vendor for further information. · ONLY qualified service personnel should service or disassemble this device. · Make sure to connect the cables to the correct ports. · Place connecting cables carefully so that no one will step on them or stumble over them. · Always disconnect all cables from this device before servicing or disassembling.

· Use ONLY an appropriate power adaptor or cord for your device. · Connect the power adaptor or cord to the right supply voltage (for example, 110V AC in North America or 230V AC in Europe). · Do NOT allow anything to rest on the power adaptor or cord and do NOT place the product where anyone can walk on the power adaptor or cord. · Do NOT use the device if the power adaptor or cord is damaged as it might cause electrocution. · If the power adaptor or cord is damaged, remove it from the power outlet.

· Do NOT attempt to repair the power adaptor or cord. Contact your local vendor to order a new one. · Do not use the device outside, and make sure all the connections are indoors. There is a remote risk of electric shock from lightning. · CAUTION: RISK OF EXPLOSION IF BATTERY (on the motherboard) IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS. Dispose them at the applicable collection point for the recycling of electrical and electronic equipment. For detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the store where you purchased the product.



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· Do NOT obstruct the device ventilation slots, as insufficient airflow may harm your device. Your product is marked with this symbol, which is known as the WEEE mark. WEEE stands for Waste Electronics and Electrical Equipment. It means that used electrical and electronic products should not be mixed with general waste. Used electrical and electronic equipment should be treated separately. 8 NSA210 User's Guide Contents Overview Contents Overview User's Guide ..

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If you are not using an eSATA hard disk, JBOD is the only storage method you can use. If you attach an eSATA (external SATA) hard disk, you can create a RAID 1 volume. RAID 1 allows data recovery in case your hard disk fails.

To create a RAID 1 volume on the NSA, you must delete the JBOD volume created by the firmware. Refer to Section 7.4 on page 173 for the Storage screen where you can create the RAID 1 volume. The eSATA hard disk can also be configured as a JBOD or a PC Compatible Volume. See Section 7.

5.2 on page 180 for more information on these storage methods. Note that both SATA and eSATA hard disks are treated as internal or SATA volumes in the Storage screen (Section 7.4 on page 173). Any hard disk connected to the USB port(s) is considered an external or USB volume. NSA210 User's Guide 25 Chapter 1 Getting to Know Your NSA 1.4 LEDs The NSA LEDs (lights) tell you important information. Figure 3 NSA Front Panel This table describes the NSA's LEDs. Table 1 LEDs LED POWER SYSTEM COLOR Blue Green Red STATUS On Off On Blinking On On Blinking DESCRIPTION The NSA is turned on and receiving power. The NSA is turned off.

The NSA has fully started and is operating normally. The NSA is starting up or upgrading the firmware. The NSA has failed. The hard disk drive is connected properly to the NSA. The NSA is saving data to the hard disk drive. The hard disk drive has failed and the NSA can no longer detect it. HDD Green Red On 26 NSA210 User's Guide Chapter 1 Getting to Know Your NSA Table 1 LEDs (continued) LED USB COLOR Green Red STATUS On Blinking On Off DESCRIPTION The hard disk drive is connected properly to the NSA. The NSA is saving data to the hard disk drive. The hard disk drive has failed and the NSA can no longer detect it. No USB device connected to the USB port.

The hard disk drive is connected properly to the NSA. The NSA is saving data to the hard disk drive. The hard disk drive has failed and the NSA can no longer detect it. No eSATA hard disk connected to the eSATA port. A USB device is connected to the NSA.

The NSA is copying or synchronizing files to or from the USB device. Copying or synchronizing files to or from the USB device failed. No USB device is connected. eSATA Green Red On Blinking On Off COPY Green On Blinking Red On Off 1.4.

1 COPY/SYNC Button Use the COPY/SYNC button on the front panel to copy or synchronize files between a connected USB device and the NSA. See Section 9.10 on page 231 for more details on how to configure the copy/sync settings. 1.4.2 RESET Button Use the RESET button on the rear panel to restore the NSA's default settings. Figure 4 The RESET Button Press 1 Beep 2 Beeps 5 more seconds Release to Reset IP Address Password Release to Clear All Settings · Press the RESET button until you hear one beep (after about two seconds), then release it. You will hear one more beep after you release the button. This resets the NSA's IP address and password to the default values. NSA210 User's Guide 27 Chapter 1 Getting to Know Your NSA · Press the RESET button until you hear two beeps.

After the second beep, continue pressing the button for five more seconds, then release it. You will hear three quick beeps after you release the button. This resets the NSA to the factory default configuration. All settings you have configured on the NSA, including IP address, password, user accounts, groups, and so on will be reset to the factory defaults. The reset process does NOT affect the volume settings, nor data stored on the NSA. You should periodically back up your configuration file to your computer (see Section 15.5 on page 352 for details about managing the NSA's configuration file). You could then restore your configuration in the event that you or someone else reset the NSA to the factory defaults. Note: You should keep the NSA in a secure location in order to prevent unauthorized reset of the device. 28 NSA210 User's Guide CHAPTER 2.

1 Overview 2 NAS Starter Utility The NAS Starter Utility descriptions are divided into the following sections: · Starting the NAS Starter Utility on page 30 · NAS Discovery Screen on page 31 · Main NAS Starter Utility Screen on page 32 · Initialization Wizard on page 33 · Import Files or Folders with zPilot on page 45 · Add a Network Drive to My Computer on page 46 · Manage the Device on page 47 · Configure Network Setting on page 47 · NAS Starter Utility Icon Menu (Windows) on page 49 · NAS Starter Utility Icon Menu (Mac) on page 50 You must use the NAS Starter Utility each time you install a new hard disk on the NSA. The NAS Starter Utility: · Discovers and accesses the NSA's Web Configurator when you connect the NSA for the first time to your computer or your network. · Initializes the hard disk, which includes formatting it. · Installs the firmware on the hard disk in your NSA so you can start configuring the NSA. NSA210 User's Guide 29 Chapter 2 NAS Starter Utility The NAS Starter Utility formats the hard disk so that it installs the firmware on one partition and your data on another, as described in the following figure.

Figure 5 NSA210 Hard Disk Partition Hard disk Hard disk partition where NSA installs the firmware Hard disk partition where NSA stores data Make sure you have a backup of any existing data in the hard disk before installing it in the NSA. The NSA reformats the hard disk so any data is lost. The Windows version of the NAS Starter Utility works with Windows 2000, Windows XP, Windows Vista or Windows 7. The Mac OS version works with Mac OS X 10.4 and later versions.

Note: Refer to the Quick Start Guide for your NSA's hardware connections and the steps for installing the NAS Starter Utility. 2.2 Starting the NAS Starter Utility · The NAS Starter Utility broadcasts a request packet when you first run it. Each NSA has an NAS Starter Utility Agent that always listens and responds to requests from the NAS Starter Utility. The NAS Starter Utility receives the response packet that contains information, such as host name, IP, and so on. · If you plan to use more than one NSA in your network, configure them with unique server names. This enables you to identify each NSA in the NAS Starter Utility screens. · The NAS Starter Utility checks whether a hard disk is initialized or uninitialized. An initialized hard disk has the NSA firmware installed and can be used readily. An uninitialized hard disk can be a new hard disk or a used hard disk that has a different format than the NSA.

In this case, the NSA has to initialize the hard disk by formatting it and installing the NSA firmware. All previous data is deleted so back up any files in the hard disk before installing it in the NSA. 30 NSA210 User's Guide Chapter 2 NAS Starter Utility 2.



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3 NAS Discovery Screen Use this screen to view the NSAs in your network. The NSA's default name is based on its model name. See Section 2.9 on page 47 for how to change it to a more recognizable one in your network. Start the NAS Starter Utility (click the icon in your Desktop or in Start > Programs > ZyXEL > NAS Starter Utility). The first time you open the NAS Starter Utility the discovery screen appears as follows. Figure 6 NAS Discovery NSA210 User's Guide 31 Chapter 2 NAS Starter Utility The following table describes the labels in this screen.

Table 2 NAS Discovery LABEL Refresh Hostname DESCRIPTION Click this to refresh the screen. The NAS Starter Utility does not automatically refresh. This is the server name you configured for the NSA. If you have more than one NSA in your network, it is recommended that you give each one a unique name for identification purposes. If you have several NSAs connected to your computer/network, hover your mouse over the host name to view the details of each device.

A box pops up containing details about the NSA. Hostname shows the NSA's configured server name. IP shows the NSA's current IP address. MAC Address shows the NSA's unique physical hardware address (MAC). Model ID shows the NSA's model name.

Firmware Version shows the version of firmware the NSA is currently using. Status shows whether the NSA is Online, Unreachable, Configuring, or Config Failed. 2.4 Main NAS Starter Utility Screen The main NAS Starter Utility screen displays after you select a NSA in the NSA Discovery screen. Run the Initialization Wizard is the only link that appears if you have not yet initialized the hard disk. Figure 7 NAS Starter Utility Main Screen 32 NSA210 User's Guide Chapter 2 NAS Starter Utility The following table describes the labels in this screen. Table 3 NAS Starter Utility Main Screen LABEL Discovery bar Name DESCRIPTION Click this to use the NSA Discovery screen (Section 2.3 on page 31) to find and select the NSA on your network to which you want to connect. The bar shows the NSA's in-use and remaining storage capacity. This is the server name you configured for the NSA.

If you have more than one NSA in your network, it is recommended that you give each one a unique name for identification purposes. This shows the version of firmware the NSA is currently using. This is the current IP address of the NSA. This shows whether the NSA is Uninitialized, Online, Unreachable, Configuring, or Config Failed. Click this to use the NSA Discovery screen (Section 2.3 on page 31) to find and select the NSA on your network to which you want to connect. Click this to launch zPilot to drag and drop files onto the NSA. Firmware IP address Status NAS Discovery Import files or folders with zPilot Add a network drive to My Computer Manage the device Play Media Files from Home Screen Show the directory of the NSA Run the Initialization Wizard Configure network setting This is available in Windows. Click this to add the NSA as a network drive in your computer's Windows Explorer. Click this to log into the advanced administration screens.

See Section 3.5 on page 71 for details on the administration screens. Click this to enjoy your media files through your web browser. See Section 3.4 on page 56 for details on the Home screen.

This is available in Windows. Click this to open the NSA's file directory in Windows Explorer. See Section 2.5.3 on page 44 for details.

Click this to set up the NSA for the first time. See Section 2.5 on page 33 for details. Click this to change the NSA network settings such as the NSA's name, IP address, subnet mask, default gateway, DNS, or PPPoE. See Section 2.9 on page 47 for details. 2.5 Initialization Wizard Use these screens to set up the NSA for the first time. They will install the NSA's firmware and configure its basic settings. Click Run the Initialization Wizard in the main utility screen to display the following screen.

You must log in using an admin account. The default NSA210 User's Guide 33 Chapter 2 NAS Starter Utility administrator username is 'admin' and the default password is '1234' and click Next. Figure 8 Initialization Wizard Welcome Choose Default Configuration (recommended) or manual configuration. Use the manual option if you need to name the NSA to configure specific network settings. Click Next. Figure 9 Initialization Wizard: Wizard Type 34 NSA210 User's Guide Chapter 2 NAS Starter Utility 2.5.1 Default Configuration 1 The NAS Starter Utility checks the Internet connection. Figure 10 Check Network Connection 2 Type a new administrator password (and retype it to confirm). If you do not want to change the administrator password, you can leave the fields blank and just click Next.

Figure 11 Change Admin Password NSA210 User's Guide 35 Chapter 2 NAS Starter Utility Specify usernames and passwords for the individuals you want to be able to access the NSA. 3 Figure 12 Create User Accounts 4 Check your settings. If they are OK, click Next. Otherwise click Back. If you want to change anything other than the user accounts, keep clicking Back until you can change the wizard type to manual.

Figure 13 Confirm Settings 36 NSA210 User's Guide Chapter 2 NAS Starter Utility Wait while the NAS Starter Utility configures the NSA. 5 Figure 14 Setting the NAS After the NAS Starter Utility finishes configuring the NSA, you can click Show the directory of the NAS to see the NSA's shares (see Section 2.5.3 on page 44) or click Finish to return to the main NAS Starter Utility screen (see Section 2.4 on page 32).

Figure 15 Setting the NAS NSA210 User's Guide 37 Chapter 2 NAS Starter Utility 2.5.2 Manual Configuration 1 Set up the NSA's basic network configuration first. Figure 16 Setup Network The following table describes the labels in this screen. Table 4 NAS Starter Utility > Config LABEL Get IP automatically from DHCP server Assign IP Manually DESCRIPTION Select this if the NSA is automatically assigned an IP address from the ISP or a DHCP server in your network. Select this if you want to assign the NSA a fixed IP address, subnet mask and default gateway. Note: Do not configure an IP address that is already in use in your network. This results to a network IP address conflict and makes the NSA inaccessible. Use DNS server from DHCP server Assign DNS server manually Domain Name System (DNS) is for mapping a domain name to its corresponding IP address and vice versa. Select this if the NSA is automatically given DNS information from the ISP or a DHCP server in your network.

If you were given specific IP address(es) of the DNS server(s), select this and enter the primary and secondary DNS in the corresponding fields. 38 NSA210 User's Guide Chapter 2 NAS Starter Utility If your Internet connection requires you to enter a user name and password to connect to the Internet, enter them here and click Next.



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If you do not need to enter a user name and password to connect to the Internet, click Skip. 2 Figure 17 PPPoE 3 The NAS Starter Utility checks the Internet connection. Figure 18 Check Network Connection NSA210 User's Guide 39 Chapter 2 NAS Starter Utility Type a new administrator password (and retype it to confirm) and click Next. If you do not want to change the administrator password, you can leave the fields blank and just click Next. 4 Figure 19 Change Admin Password 5 Specify a name to uniquely identify the NSA on your network. Choose the time zone of your location. This sets the time difference between your time zone and Greenwich Mean Time (GMT). Figure 20 Create User Accounts 40 NSA210 User's Guide Chapter 2 NAS Starter Utility Select how to configure the hard disks.

6 Figure 21 Create User Accounts With only one hard disk installed, just click Next. If you have two hard disks installed choose one of the following: · RAID 1: Use this to mirror all data on one disk to the other disk to protect against data loss. · Individual Disks: Use this if you want maximum storage capacity and/or you have other means of protecting your data. This creates two JBOD volumes (with one disk in each), a failure of one disk (volume) should not affect the other volume (disk). · JBOD: Use this if you want maximum storage capacity and/or you have other means of protecting your data. This combines the two physical disks into a single virtual one, so they appear as a single large disk. · RAID 0: Use this if you want maximum speed for your disks, and/or you have other means of protecting your data. RAID 0 has the fastest read and write performance but if one disk fails you lose all your data from both disks. NSA210 User's Guide 41 Chapter 2 NAS Starter Utility This screen is available in Windows and lists the shares the NAS Starter Utility creates on the NSA by default. Select the ones you want to use as network drives in Windows Explorer.

7 Figure 22 Connect Network Drives 8 Specify usernames and passwords for the individuals you want to be able to access the NSA and click Next. Figure 23 Create User Accounts 42 NSA210 User's Guide Chapter 2 NAS Starter Utility If the settings are OK, click Next. Otherwise click Back. If you want to change anything other than the user accounts, keep clicking Back until you can change the wizard type to manual. 9 Figure 24 Confirm Settings 10 Wait while the NAS Starter Utility configures the NSA. Figure 25 Setting the NAS After the NAS Starter Utility finishes configuring the NSA, you can click Show the directory of the NAS to see the NSA's shares (see Section 2.5.3 on page 44) or NSA210 User's Guide 43 Chapter 2 NAS Starter Utility click Finish to return to the main NAS Starter Utility screen (see Section 2.4 on page 32). Figure 26 Setting the NAS 2.

5.3 Directory of the NAS Clear the Guest option and enter the administrator user name and password and click Login to be able to view the NSA's shares to which you have access. Otherwise select Guest and click Login to be able to view the NSA's public shares. Figure 27 Login 44 NSA210 User's Guide Chapter 2 NAS Starter Utility The utility opens the NSA's directory in Windows Explorer. Figure 28 Directory 2.6 Import Files or Folders with zPilot In the main NAS Starter Utility screen click Import files or folders with zPilot to be able to drag and drop files from your computer to the NSA. Enter the administrator user name and password and click Login. Figure 29 Login The zPilot icon displays. Figure 30 zPilot Drag files onto the zPilot icon to move them to the NSA. zPilot automatically sorts music, photo, and video files into the Music, Photo, and Video folders.

zPilot can automatically sort the types of media files listed in Table 127 on page 416 (except for the subtitles). Other types of files go to the Public folder. For folders of files NSA210 User's Guide 45 Chapter 2 NAS Starter Utility you are prompted to choose the target destination. The zPilot icon shows the transfer rate. Figure 31 zPilot Showing Transfer Rate Double-click the zPilot icon to display the NAS Starter Utility screen with status details about the file transfers. Click the "x" button next to a file entry to stop transferring the file. Click Clean Up to clear completed transfers from the list. Figure 32 zPilot Showing Transfer Rate 2.7 Add a Network Drive to My Computer This is available in Windows. In the main NAS Starter Utility screen click Add a network drive to My Computer to add the NSA as a network drive in your computer's Windows Explorer.

Clear the Guest option and enter the administrator user name and password and click Login to be able to add the NSA's shares to which you have access as network drives. Otherwise select Guest and click Login to be able to add the NSA's public shares as network drives. Figure 33 Login Select a share on the NSA and the drive letter on your computer to which you want to map it. The shares that each user can select to map depends on the user's 46 NSA210 User's Guide Chapter 2 NAS Starter Utility permissions. For example, if share1 is private to user1, then only user1 is allowed to map share1. The table displays the NSA shares that are already mapped to drive letters on your computer. After you click OK you can see the new drive in Windows Explorer (My Computer) where you can access and use it like your computer's other drives. Figure 34 Network Drive Mapping 2.8 Manage the Device In the main NAS Starter Utility screen click Manage the Device to log into the NSA's administration screens where you can manage the NSA. Enter the administrator user name and password and click Login.

Figure 35 Login See Section 3.5 on page 71 for more on the administration screens. 2.9 Configure Network Setting Use these screens to change the NSA network settings such as the NSA's name, IP address, subnet mask, default gateway, DNS, or PPPoE. NSA210 User's Guide 47 Chapter 2 NAS Starter Utility Click Configure network setting in the main utility screen to display the following screen. Figure 36 NAS Starter Utility > Configure network setting The following table describes the labels in this screen. Table 5 NAS Starter Utility > Config LABEL NAS Name DESCRIPTION Specify a name to uniquely identify the NSA on your network. You can enter up to 15 alphanumeric characters with minus signs allowed but not as the last character. The name must begin with an alphabetic character (a-z) and is case sensitive. Select this if the NSA is automatically assigned an IP address from the ISP or a DHCP server in your network.

Get IP automatically from DHCP server Assign IP Manually Select this if you want to assign the NSA a fixed IP address, subnet mask and default gateway.



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Note: Do not configure an IP address that is already in use in your network. This results to a network IP address conflict and makes the NSA inaccessible. Use DNS server from DHCP server Assign DNS server manually PPPoE Domain Name System (DNS) is for mapping a domain name to its corresponding IP address and vice versa. Select this if the NSA is automatically given DNS information from the ISP or a DHCP server in your network.

If you were given specific IP address(es) of the DNS server(s), select this and enter the primary and secondary DNS in the corresponding fields. Click this if your Internet connection requires you to enter a user name and password to connect to the Internet. 48 NSA210 User's Guide Chapter 2 NAS Starter Utility If your Internet connection requires you to enter a user name and password to connect to the Internet, select Enable PPPoE Connection and enter your user name and password. Figure 37 PPPoE 2.10 NAS Starter Utility Icon Menu (Windows) To open the NSU Starter Utility icon's menu on a Windows computer, right-click the NSU system tray icon.

See Section 2.6 on page 45 for details about the zPilot. Figure 38 Windows NSU Icon Menu · If the NAS Starter Utility can connect to the NSA to which you last connected in the NAS Starter Utility, its hostname appears in the first row. · Show Main Screen displays the main NAS Starter Utility screen. This option is available when the main screen is not displayed. · Show File Importer Status displays the NAS Starter Utility file importer status screen. This is available when the NAS Starter Utility can connect to the NSA, you have logged into the zPilot, and the NAS Starter Utility main screen and file importer status screens are not displayed. · Hide NSA Starter Utility hides the NAS Starter Utility screen but does not close the utility. This option is available when the NAS Starter Utility is displayed. NSA210 User's Guide 49 Chapter 2 NAS Starter Utility · Enable zPilot when system starts up has your computer automatically start the zPilot file transfer tool at startup.

This is available when the NAS Starter Utility can connect to the NSA. · zPilot stays on top keeps the zPilot icon on top of any other open screens so it is easy to locate. This is available when the NAS Starter Utility can connect to the NSA and you have previously logged into the zPilot. You also have to open the zPilot to have it stay on top. · About displays the version of the NAS Starter Utility. · Exit closes the NAS Starter Utility, including the zPilot. 2.11 NAS Starter Utility Icon Menu (Mac) To open the NSU Starter Utility icon's menu on a Mac, hold down [CTRL] and click the NSU dock icon. See Section 2.6 on page 45 for details about the zPilot.

Figure 39 Mac NSU Icon Menu · If the NAS Starter Utility can connect to the NSA to which you last connected in the NAS Starter Utility, its hostname appears in the first row. · Show Main Screen displays the main NAS Starter Utility screen. This option is available when the main screen is not displayed. · Hide NSA Starter Utility hides the NAS Starter Utility screen but does not close the utility. This option is available when the NAS Starter Utility is displayed. · zPilot stays on top keeps the zPilot icon on top of any other open screens so it is easy to locate. This is available when the NAS Starter Utility can connect to the NSA and you have previously logged into the zPilot. You need to exit the NAS Starter Utility, restart it, and open the zPilot to have it stay on top. · About displays the version of the NAS Starter Utility. · Options offers the standard Keep in Dock, Open at Login, and Show in Finder Mac functions. · Hide hides the NAS Starter Utility screen but does not close the utility. This option is available when the NAS Starter Utility is displayed. · Quit closes the NAS Starter Utility, including the zPilot. 50 NSA210 User's Guide Chapter 2 NAS Starter Utility NSA210 User's Guide 51 Chapter 2 NAS Starter Utility 52 NSA210 User's Guide CHAPTER 3.1 Overview 3 Web Configurator Basics This chapter describes how to access the NSA Web Configurator and provides an overview of its screens. The Web Configurator is an HTML-based management interface that allows easy NSA setup and management using an Internet browser. Use Internet Explorer 6.0, Mozilla Firefox 2.00, or Safari 4.04 or later versions of these browsers.

The recommended screen resolution is 1024 by 768 pixels or higher. In order to use the Web Configurator you need to allow: · Web browser pop-up windows from your device. Web pop-up blocking is enabled by default in Windows XP SP (Service Pack) 2. · JavaScript (enabled by default). 3.2 Accessing the NSA Web Configurator Make sure your NSA is properly connected and that your computer is in the same subnet as the NSA (refer to the Quick Start Guide or the appendices). 3.2.1 Access the NSA Via NAS Starter Utility If you don't know the IP address of the NSA, use the NAS Starter Utility's Play Media Files from Home Screen link to find it. Refer to the Quick Start Guide for NSA210 User's Guide 53 Chapter 3 Web Configurator Basics how to install and run the NAS Starter Utility.

See Chapter 2 on page 29 for more information on the NAS Starter Utility. Figure 40 NAS Starter Utility Main Screen 3.2.2 Web Browser Access Configure the server name of your NSA using the Network Configuration screen (Section 2.9 on page 47) of the NAS Starter Utility.

Open your browser and type in the server name of the NSA ("nsa210" by default). Figure 41 NSA URL 3.3 Login The default username and password are 'admin' and '1234' respectively. Enter your username and password. If you use the option to stay logged in for two weeks (assuming you do not log out), make sure you keep your computer secure.

54 NSA210 User's Guide Chapter 3 Web Configurator Basics Then click Login. See Chapter 12 on page 321 for how to create other user accounts. Figure 42 NSA Login Screen If you have not done so yet, you should see a screen asking you to change your password (highly recommended) as shown next. Type a new password (and retype it to confirm) and click Apply or click Ignore. Figure 43 Change Password Screen NSA210 User's Guide 55 Chapter 3 Web Configurator Basics 3.4 Home Screens All users (including the administrator) first see the Home screen after logging in. Figure 44 Home Note: If you did not select the option to stay logged in for two weeks when you logged in, the Web Configurator management session automatically times out if it is left idle for 15 minutes. Simply log back into the NSA if this happens to you. The main Home screen displays icons for the various features you can access. Table 6 Main Home Screen Icons ICON DESCRIPTION Use Music, Photo, and Video to play your music, picture, and video files.



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Use Favorite to create and edit playlists. Use File Browser to see your files in a tree-folder structure. 56 NSA210 User's Guide Chapter 3 Web Configurator Basics Table 6 Main Home Screen Icons (continued) ICON DESCRIPTION Administrators can use Application Zone to install, access, and manage the NSA's applications. Use System to edit general system settings or log into the administrator advanced configuration screens. Note: For Windows computers your browser may need VLC and Windows Media Player installed to play music and video files. For Mac your browser may need VLC and QuickTime. To get the VLC plugins, you have to download and install VLC (use the .exe file) and select the Mozilla plugin option. To display your photos as a 3-D wall for quick browsing, install the CoolIris plugin. The icons at the top-right of the screen are visible from most screens.

Use them to navigate between the screens and menus. The following table describes the icons. Table 7 Global Home Labels and Icons LABEL/ICON Home Help Logout DESCRIPTION Click this to return to the Home screen. Click this to open a web help page specific to the screen you are currently configuring.

Click this at any time to exit the Web Configurator.

NSA210 User's Guide 57 Chapter 3 Web Configurator Basics Here are some Home screen descriptions. A music screen is shown here as an example. Other screens work in a similar way. Figure 45 Music Screen B A C D This table describes common labels in the Home media screens. Not every item displays in every screen.

Table 8 Home Media Screens LABEL A B C DESCRIPTION Click a letter to go to the first item starting with that letter. View files. Double-click an item to play it. Shows which page is displaying and the total number of pages of entries. Click an arrow or type a number to go to another page of entries. 58 NSA210 User's Guide Chapter 3 Web Configurator Basics Table 8 Home Media Screens LABEL D DESCRIPTION Select the sorting criteria: Artist - Sort music by artist. All - All of the menu's files display here. Genre - Sort music by category. Folder - List the folders containing music files. Album - List the identified music albums.

Current Playlist - Show the playing and queued songs. The NSA categorizes files into genres and albums according to the information stored in your files. Files may not appear in the proper folders if they have missing, incorrect or incomplete information. Thumbnail List Play Delete Rename Click this to view the files as thumbnails. Click this to view the files as a list. Click this to play the currently selected file. You can also double-click a file to play it. Select an item and click Delete to remove it. Select an item and click Rename to change its name. Note: When you change a file name, make sure you keep the file extension unchanged.

Add to Current Playlist Add to Playlist Search Refresh Now Playing Click this to add the selected music file to the currently playing playlist. Click this to add the selected music file to a playlist. Click this to look for a file or folder by name. Click this to update the display in the screen. This link is available when a song is playing.

Click it to see details about the song that is currently playing. 3.4.1 Now Playing (Music) A Now Playing link displays when a song is playing. Click it to display a panel like the following.

This screen displays the name of the current song and it's play progress and lets you control the playback. Figure 46 Now Playing NSA210 User's Guide 59 Chapter 3 Web Configurator Basics 3.4.2 Video Playback While playing a video through the Web Configurator Home screens, besides the usual reverse, play, pause, stop, full screen, and volume options, Windows computers also display an option to switch between VLC Player and Windows Media Player (WMP).

See the button circled below. If your video is not playing back properly you can try using this option to change to the other media player. Figure 47 Video Playback 60 NSA210 User's Guide Chapter 3 Web Configurator Basics 3.4.3 Exif and Google Maps (Photos) Click a photo's EXIF button to display or hide the photo's Exchangeable image file format (Exif) data. Figure 48 Exif Information If a photo's Exif data includes GPS location data, click the latitude or longitude link to display the location in Google Maps.

Click Clear to delete the markers of other photos and only display the current photo's marker. Figure 49 Google Maps NSA210 User's Guide 61 Chapter 3 Web Configurator Basics 3.4.4 Slideshow and CoolIris (Photos) In a Photo menu click the SlideShow button to display the menu's files as a slideshow. Move your cursor over the slideshow's screen to display full screen, previous, pause, and next buttons for controlling the slideshow. Figure 50 Slideshow When the CoolIris plugin is installed in your browser, click the Launch CoolIris button to display your photos as a 3-D wall for quick browsing. 3.4.5 Favorite Use the Favorite menu to manage your playlists. 3.

4.5.1 Shared Playlist Use Favorite > Shared Playlist to view and play playlists that you created externally (in iTunes, Windows Media Player, VLC media player, or Winamp for example) and saved to the NSA. When using zPilot to move files to the NSA, playlists are automatically put into the music share. 62 NSA210 User's Guide Chapter 3 Web Configurator Basics 3.

4.5.2 My Favorite Use Favorite > My Favorite to create, edit, and play playlists. These playlists are specific to the NSA and cannot be used in external music players. Figure 51 Favorite > My Favorite This table describes labels in this menu.

Table 9 Favorite > My Favorite LABEL New Edit Delete All DESCRIPTION Click this to create a new playlist. Double-click a playlist or select it and click Edit to go to a screen where you can remove songs from the playlist. Within a playlist click Delete All to remove all of the playlist's songs. 3.4.6 File Browser

Click File Browser to open the following screen. Use the file browsing screens to play, open, upload, and download files. A share is a set of user access permissions for a specific folder on a volume (gives someone access to a folder). It is equivalent to the Windows concept of a shared folder, but the access rights are independent of the folder (you configure the share and the folder separately). You NSA210 User's Guide 63 Chapter 3 Web Configurator Basics can map a share to a network drive for easy and familiar file transfer for Windows users.

· A folder icon with a hand indicates a share. · The administrator owns and manages the public shares. · Double-click a media file to open it. Double-click other types of files to be able to save them. · Click to the right of a file or folder name to select it. · Use the [SHIFT] key to select a range of entries.



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Hold down the [CTRL] key to select multiple individual entries. · Drag and drop files to open a screen that lets you choose whether to copy or move them. · You can upload files of up to 2 GB in size. · You can download individual files of up to 4 GB in size with Mozilla Firefox and Internet Explorer 7 and later or up to 2 GB in size with Internet Explorer 6.

Figure 52 File Browser The following table describes the labels in this screen. Table 10 File Browser LABEL Up Name DESCRIPTION Click this to go to the next higher layer in the share's folder tree. This column identifies the names of folders and files in the share. Click a file's file name to open the file or save it to your computer. Click a folder's name to display the folder's contents.

This column displays a file's size in bytes. Size 64 NSA210 User's Guide Chapter 3 Web Configurator Basics Table 10 File Browser (continued) LABEL Last Modified Create New Folder DESCRIPTION This column displays the last time the file or folder was changed (in year-month-day hour:minute:second format). Click this to open the following screen where you can create a new folder within the share. Specify a name to identify the folder. See Section 3.4.7 on page 67 for more information on folder names. Click Apply to create a folder or click Cancel to exit this screen. Configure Share Upload Select a share and click this link to open a screen where you can see and configure share management details. Click this to open the following screen where you can add files to the share. Use the Browse button to locate your file/s and click Apply to upload the file. Click Cancel to close this screen. Note: Do not refresh the screen while an upload is going on. Download Select a file and click this to save the file to your computer. Note: Do not refresh the screen while a download is going on.

Restore When you are in a recycle bin folder, select a folder or file and click this to restore it. NSA210 User's Guide 65 Chapter 3 Web Configurator Basics 3.4.6.1 Configure Share Screen In the File Browser screen, select a share and click Configure Share to open the following screen where you can see and configure share management details. Figure 53 File Browser > Configure Share The following table describes the labels in the this screen. Table 11 File Browser > Configure Share LABEL Share Name DESCRIPTION Configure a name to identify this share. Type a share name from 1 to 239 single-byte (no Chinese characters allowed for example) ASCII characters. The name cannot be the same as another existing local share. See Section 3.4.7 on page 67 for more information on share names. This is not configurable for the NSA's default admin, music, photo, public, and video shares. This shows the volume the share is on. It is read-only.

Select the administrator or user account that is to own (manage) this share. The share owner controls access rights to the share. This is not configurable for the NSA's default admin and public shares. Select this option to allow users to access this share. When this option is not selected, you cannot see and access this share.

Select this option to keep deleted items in a recycle bin. When you delete an item, a recycle folder is created within the share, and the deleted item is stored in the recycle bin. Later if you want to retrieve a deleted item, you can select the item from the recycle folder and move/copy the item to another share. Select this option to make the share's files available to media clients. You can also select whether to share music, photo, and video files. Select this option to let people use a web browser to access this share's files without logging into the Home screens. Volume Make this share owned by Enable This Share Enable Recycle Bin Publish this share to Media Server Publish this share to Web 66 NSA210 User's Guide Chapter 3 Web Configurator Basics Table 11 File Browser > Configure Share (continued) LABEL Share Access DESCRIPTION Select who can access the files in the share and how much access they are to be given. If you publish the share to the media server or the web, all users will have at least read-only access to the share, regardless of what you configure here. Select Keep it private to owner to allow only the share owner to read files in the share, delete files in the share and save files to the share. Select Make it public to allow anyone (with or without a user account on the NSA) to read files in the share, delete files in the share and save files to the share.

Select Advanced to select which individual users can read the share's files, which users can delete the share's files, and which users are blocked from doing either. Apply Cancel Click this to save your changes. Click this to return to the previous screen without saving. 3.4.7 Share and Folder Names The name can only contain the following characters: · Alphanumeric (A-z, 0-9) and Unicode. The NSA allows FTP access to shares, folders or files with names encoded in the UTF-8 (8-bit UCS/Unicode Transformation Format) format. So your FTP client must support UTF-8 in order to access shares, folders or files on the NSA with Unicode names. · Spaces · _ [underscores] · . [periods] · - [dashes] Other limitations include: · All leading and trailing spaces are removed automatically.

· Multiple spaces within names are converted to a single space. · Share names must be unique (they cannot be the same as other share names). · The NSA creates automatic volume names for external (USB) disk volumes. These are a type of share, so the share name you configure cannot conflict with the external (USB) disk volume names. "ExtVol1" or "ExtVol2" are examples of external (USB) disk volume names.

· Folder names must be unique (they cannot be the same as other folder names). · The minimum character length of a name is one character, that is a name cannot be blank. · The maximum character length of share name is 239 characters. NSA210 User's Guide 67 Chapter 3 Web Configurator Basics · Unicode is supported for share names, although your FTP client must support UTF-8. Full support should be available in all Windows versions after Windows 2000.

3.4.8 Application Zone Administrators can click Application Zone to go to a screen where you can enable or disable various applications for file sharing and downloading. Figure 54 Application Zone The following table describes the labels in the this screen. Table 12 Application Zone LABEL Name Description Management Page Enable DESCRIPTION This is the name of the application. This is a brief description of the application. See Chapter 9 on page 197 for more information. Click this link to go the application's management page where you can configure settings for it.



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