

User Manual

OMNINAS KD21/KD22



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• FCC-B Radio Frequency Interference Statement

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

CAUTION:

Any changes or modifications not expressly approved by the guarantee of this device could void the user's authority to operate the equipment.

CE compliance

This device is classed as a technical information equipment (ITE) in class B and is intended for use in living room and office. The CE and WEEE marks approve the conformity by the EU-guide-lines:

- EMC guideline 2004/108/EC ,Directive on Electromagnetic Compatibility
- LVD guideline 2006/95/EC ,Directive on Low Voltage
- ErP guideline 2009/125/EC ,Directive on ecoconception of Energy related Products
- RoHS guideline 2002/95/EC ,Directive on Restriction of Hazardous Substances
- WEEE guideline 2002/96/EC, Directive on The Waste Electrical and Electronic Equipment

Safety Instructions

The following safety precautions will increase the life of the Computer.

Follow all Precautions and instructions.



Do not place this device underneath heavy loads or in an unstable position.



Do not use or expose this device around magnetic fields as magnetic interference may affect the performance of the device.



Do not expose this device to high levels of direct sunlight, high-humidity or wet conditions.



Do not block the air vents to this device or impede the airflow in any way.



Do NOT expose to or use near liquid, rain, or moisture. Do NOT use the modem during electrical storms.

The unit can be operated at an ambient temperature of max. 40°C (104°F). Do not subject it to temperatures below 0°C (32°F) or above 40°C (104°F).

The ambient operating humidity for this device is 10% (minimum) to 90% (maximum).

Chapter 1

Product Overview

PRODUCT OVERVIEW

Features

- Embedded Linux
- Supports Microsoft® Windows® and Mac OS
- Largest single HDD capacity supported > 4TB
- USB 3.0 (front panel) (flash drive, external HDD, hub, printer, digital camera, etc.)
- SD card reader
- RAID 0, 1, JBOD, single HDD supported
- Low power consumption
- Aluminum chassis for improved heat dissipation
- Supports media server for video streaming
- Easy HDD installation and one button HDD hot swap
- Supports scheduled BT Downloading without PC
- Built-in ultra quiet fan
- Elegant ID design with 2.5 mm aluminum for better heat dissipation

Package Contents









KD21/KD22

Power Cord

AC Adapter

CD*1/DVD*1







LAN Cable

Screw pack

Quick Start Guide

System Requirements

PC Users:

- Pentium[®] III 500Mhz processor or higher
- Microsoft® Windows® XP Home / Professional / Professional x64 SP3 or later
- Microsoft® Internet Explorer® 7.0, Firefox® 3.x, Google Chrome or Apple Safari 3.0 or higher
- Must meet minimum RAM requirements for your operating system
- CD or DVD drive
- Available 10/100/1000 Mbps network Ethernet port DHCP-configured network (recommended) Network hub, switch, or router (recommended)
- 3.5" SATA Hard Drive(s)

Mac Users:

- Mac OS X 10.4 or higher
- Apple Safari 3.0 or higher
- Must meet minimum RAM requirements for your operating system
- CD or DVD drive
- Available 10/100/1000 Mbps network Ethernet port DHCP-configured network (recommended) Network hub, switch, or router (recommended)
- 3.5" SATA Hard Drive(s)

Linux Users:

- Linux kernel 2.6.x or later
- Available 10/100/1000 Mbps network Ethernet port DHCP-configured network (recommended)
 Network hub, switch, or router (recommended)

Smart Phone Users:

- Mobile Device: iPhone, iPad, Android phone, Android tablet
- Mobile OS: iOS 4.2 and above, Android 2.3 and above

Personal Cloud and Remote Access Requirements:

- Internet connection
- Universal Plug and Play (UPnP[™]) compatible router or administrative rights to port forward
- Recommended minimum sustained connection speeds for a good Personal Cloud experience
- Download: 2.5 Mbit/s (recommended)
- Upload: 500 Kbit/s (recommended)

Product Views Front View



OMNINAS Front View

Front View Identification

DESCRIPTION
Power Button
Status LED, see LED Definitions
HDD removal buttons (2 = HDD2, 1 = HDD1)
Note: For RAID 1 configuration only.
HDD tray release
USB 3.0 (x2), auto copy supported through these ports
HDD bay (HDD1 is on the right and HDD2 is on the left)
Bay cover
SD card reader, auto copy supported through this port
LED indicators, see LED Definitions

Rear View



OMNINAS Rear View

Rear View Identification

Ітем	DESCRIPTION
1	DC IN, power jack
2	Reset button
3	K-Lock security slot
4	USB 2.0 (x1)
5	LAN Port

LED Definitions

The OMNINAS comes with six LED indicators (five in front and one in back). See the following table for behavior and location descriptions.



LED Indicators on Front Panel

LED Definitions

ТЕМ	ΝΑΜΕ	COLOR/CONDITION	DESCRIPTION
		Blue / Blinking / Audible Beep	System in booting sequence System in shut down sequence, audible beep x 1
		Blue / Solid on / Audible Beep	System boots successfully, powered on
	Status LED	Red / Blinking / Audible Beep	System fails to boot Audible beep x 3
	Status LED	Red / Blinking / Audible Beep	System fails to acquire IP address Audible beep x 3
		Blue / Pulsing	System in power savings mode. Power saving time setting is adjustable in Set-tings General menu.
1		Off	
		Blue / Blinking	Web UI in booting sequence
	Web UI LED status	Blue / Solid on / Audible Beep	Web UI is available
		Red / Blinking / Audible Beep	Web UI failure, audible beep x 3
		Blue / Solid on / Audible Beep	Backup successful, audible beep x 3
	Backup status LED	Red / Blinking / Audible Beep	Backup failure, audible beep x 3
		Blue / Solid on / Audible Beep	Copy successful, audible beep x 3
	Auto copy status LED	Red / Blinking / Audible Beep	Copy failure, audible beep x 3
	Reset status	Blue / Blinking / Audible Beep	Reset in progress, audible beep x 1
0		Blue / Blinking / Solid on	Active, auto copy access
2	SU card status	Off	

English

Ітем	Nаме	COLOR/CONDITION	DESCRIPTION
		Blue / Solid on	Plugged in / printer connection
3	USB status	Blue / Blinking / Solid on	Active, auto copy access
		Off	
		Blue / Solid on	HDD access
		Blue / Blinking / Audible Beep	RAID1 selected, audible beep x 1
4	HDD1 status	Red / Solid on	Failure
		Red / Blinking	HDD1 rebuilding
		Off	Not detected
		Blue / Solid on	HDD access
		Blue / Blinking / Audible Beep	RAID1 selected, audible beep x 1
5	HDD2 status	Red / Solid on	Failure
		Red / Blinking	HDD2 rebuilding
		Off	Not detected
		ON REAR SIDE	
		Green / Solid on	Link speed is 100 Mbits/sec.
6	LAN/Speed LED	Amber / Solid on	Link speed is 1000 Mbits/sec.
		Off	Off or link speed is 10 Mbits/sec.
		Green / Solid on	LAN link
7	LAN/Link (Activity) LED	Green / Blinking	LAN access
LED	LED	Off	Disconnected

Note:

Pressing the Power LED for less than a second disables the blue status LED. Pressing the Power LED a second time (less than a second) enables the blue status LED. The feature allows you to turn off the status light to prevent light interference in a darkened environment, for instance: watching a movie or viewing a slideshow.

Chapter 2

Getting Started

Hardware Installation

This section includes information to help you install the hard drives in the OMNINAS before you can begin using your storage device.

First Instance

The following guidelines provide information for first time installation of your OMNINAS. Before you can get started, install the hard drives on your device. You can install either 2.5" or 3.5" drives. The procedures are listed as follows:

Installing Hard Disk Drives

IMPORTANT:

To prevent data loss or damage to the system, power down your device before removing a HDD.

- 1. If your system is not powered down, press the Power button for three (3) seconds until an audible beep sounds and the LED starts to blink.
- 2. Once the device is powered down, press in the indicator on the bay door to open the cover. The cover pops open.
- 3. Extend the cover to allow access to the HDD trays.



Opening the HDD Bay Door

4. Pull the tray release to unlock the hard disk tray. The HDD slides out if undocked.



HDD1 Tray Released

5. Grasp the tray and slide it out.



- Removing the HDD1 Tray
- 6. Place the tray on a clean surface.

- Position the HDD as indicated in the following illustration.
 Make sure the new HDD is facing up and the connectors are positioned outward.
- 8. Insert the new HDD into the tray..
- 9. Secure with the provided screws.



Securing the 3.5" HDD

- 10. Make sure the tray release is open before inserting the HDD assembly.
- 11. Align the HDD assembly (**This side up** label facing up) in the bay, see following figure.
- 12. Slide the HDD assembly into place until it is flush in the bay.



Installing the HDD Tray Assembly

WARNING:

HDD tray must be flush with the bay, see following illustration.



HDD Installation Position

13. Raise the tray release to lock the HDD assembly. An audible click sounds when the tray is locked.



Locking the HDD Assembly

14. Close the bay cover.



Closing the HDD Bay Cover

15. To install a second hard disk drive, repeat the previous instructions. Your system is now ready to connect your local network. See *Connecting the Ethernet Port*.

English

Connecting the OMNINAS

Connecting the Ethernet Port

The OMNINAS must be configured and setup before use. Two connection methods are supported:

- Switch/router to OMNINAS
- Direct PC/laptop to OMNINAS

Connect to a Switch or Router

- 1. Connect one end of the provided LAN cable to the LAN port on the OMNINAS.
- 2. Connect the other end to a LAN port on the DHCP enabled router, see following figure.



Connecting to a Router

Your OMNINAS is now ready for powering on. See Connecting to Power.

Connect Directly to a PC or Laptop

1. Use OMNINAS default IP settings or set your PC/Laptop's IP settings to match the network subnet group of the OMNINAS.

Example:

OMNINAS default IP settings: 169.254.100.200

Or configure your PC to these settings: 169.254.XX.X (Whereas XX represents a number from 1 to 254, and X represents a number from 1 to 254 other than 200).

- 2. Connect one end of the LAN cable to the OMNINAS.
- 3. Connect the other end to your PC, see following figure.





Connecting to Power

- 1. Connect the power jack to the back of the OMNINAS (DC IN).
- 2. Connect one end of the power cable to the supplied power adapter, and the other end to a wall outlet. See the following figure.



Connecting the Power Adapter

Note:

The Power Adapter diagram depicts a typical wall socket. Your region may use a different socket type.

Your OMNINAS is ready to be powered on. See Powering On.

CAUTION:

Do not use inferior extension cords as this may result in damage to your OMNINAS. The OMNINAS comes with its own AC adapter. Do not use a different adapter to power the OMNINAS and other electrical devices.

Note:

The power adapter may become warm to hot when in use. Be sure not to cover the adapter and keep it away from your body.

Powering On

Press () to power on. The status LED starts to blink. This process may take 1 to 2 minutes.



Pressing Power Button

A blinking LED specifies that the system is in the powering-on state. A solid LED specifies that the OMNINAS has obtained an IP address from the router (DHCP connection). See *LED Definitions* for further information.

In the event of a Red Blinking LED state, the system has failed to obtain an IP address from the router. The system settings reverts to the default fixed IP address (169.254.100.200).



Status LED Display During Boot

Note:

Pressing the Power LED for less than a second disables the blue status LED. Pressing the Power LED a second time (less than a second) enables the blue status LED.

The HDD LEDs for any installed HDDs also light. See *LED Definitions* for further information.



HDD LEDs

Note:

In the event of failure or improperly installed HDDs, the HDD LEDs blink red. Additionally, the Web Interface displays a power off message, see the following.



Displaying HDD Failure

The OMNINAS is now ready for setup and configuration. Connect the system to your network by using the Finder Utility.

Connecting Your OMNINAS

After setting up the hardware and connecting the ethernet port, you will need to configure and initialize the type of mode to use. To get you started quickly and easily, the OMNINAS Finder utility (Windows and Mac users only) is provided so you can quickly connect your OMNINAS. Linux users proceed to Connecting by Web Browser.

Before you get started make sure your OMNINAS device is connected to a DHCP enabled router. By default, your device's network settings are cofigured to obtain an IP address from a DHCP router. If the device is not connected to a DHCP router, the Finder utility may not be able to detect your OMNINAS device within your network.

Once a device is detected, information from your OMNINAS, such as: Domain name, IPv4 address, Mac address and firmware version is displayed on the main page.

The Finder Utility is available on the provided CD or for download from the following location:

http://global.shuttle.com/download/download

Note:

Linux users connect to the OMNINAS interface through the web browser and not the Finder utility. Proceed to *Connecting by Web Browser*.

Finder Utility

The Finder utility allows you to detect any device within your network. The OMNINAS device must be within the same subnet group.

S OMNINAS Finder				
NAS Found				
# Name	IPv4 Address	MAC Address	Version	English 🔽
				Search
				Connect
				Map Network Drives
				Delete Network Drives
				1 About
			-	Exit
				(B) Help

OMNINAS Finder Utility

Finder Utility Defined

Mode	DESCRIPTION
Language Bar	Click to select the language setting.
Search	Click to manually detect devices connected within the same network subgroup.
Connect	Click to access the login screen of the selected device. The web interface of the device displays through your default browser.
Map Network Drives	Click to create a network shortcut to the selected folder. Once connected, you can access the shortcut from your computer or Windows Explorer.
Delete Network Drives	Click to delete the selected network shortcut (mapped folder).
About	Click to view OMNINAS Finder Utility information, display purposes only.
Exit	Click to exit the OMNINAS Finder Utility.
Help	Click to open a browser window displaying the OMNINAS help menu.

OMNINAS Finder utility is used to detect devices on the local network (same subnet) or to directly access your device through a web browser (See *Connecting by Web Browser*).

System Initialization

Linux users go to Connecting by Web Browser to continue the setup process.

Windows and Mac users follow the information provided in the following section to continue the setup process.

1. Insert OMNINAS CD-ROM into your CD drive. A prompt displays.



AutoPlay Prompt

 Click Run OMNINAS Finder.exe to open the Finder application. The Welcome prompt displays.



Welcome Prompt

- 3. Click **Next** to continue the installation.
- 4. Click the **Browse** button to select the installation location.

5. Click Install to continue.

When the installation is complete a final setup screen displays.



Completing the Installation Setup

6. Click **Finish** to exit the installation setup.

The OMNINAS Finder window displays.

Note:

Unless your computer system's language setting is detected, the default language setting is English.

The OMNINAS Finder application starts and displays all the detected devices within your network subnet.

7. Click Search to scan for available devices.



OMNINAS Finder Utility Search Function

8. Select a device and click **Connect**.

S OMNINAS Finder				
NAS Found				
# Name	IPv4 Address	MAC Address	Version	English 🔽
1 nas123456	192.168.1.121	80-EE-73-60-84-F6	0.21.20130424.b	Search
				Map Network Drives
				Delete Network Drives
				U Exit
				Help
				.:

Finder Utility Connect Function

Note:

The System Initialization screen only displays if new or unformatted HDDs are installed.

All OMNINAS devices available within your subnet group are displayed in the OMNINAS Found tab.

Note:

If only one device is detected by Finder, the device's web interface automatically display.

Note:

In the event that your device is not detected, open a browser window and type the default IP address (169.254.100.200) in the browser's address bar. The OMNINAS Wizard prompt displays.

The Wizard is provided to guide you through the necessary steps in order to initialize your OMNINAS device.

CONNECTING THE OMNINAS

OMNINAS Wizard

The OMNINAS Wizard is your guide to initializing and setting up your OMNINAS device.

IMPORTANT:

The initialization process erases all data from the hard drive. Do not power down the OMNINAS during initialization to prevent damage to the system.

To initialize your OMNINAS:

1. In the OMNINAS Wizard prompt, click **Start**. There are seven steps to follow.

Your Own Private Cloud	OMNINAS Wizard
Welcome to OMNINA's Wizard!	
This Wizard will guide you thro initialized your NAS. You can cli	ugh the steps necessary to ick [Start] to use the wizard.
	Start

Welcome to OMNINAS Wizard Prompt

- 2. Select the language and time zone from the drop-down menus.
- 3. Click Next Step.

0	0	0-0	-0	-00
	Select	language a	and time z	one.
La	anguage	English		•
Tir	me zone	Taipei		GMT+08:

Language and Time Zone Prompt

4. In the Administrator Account prompt, type in a password for the the admin account.

It is advisable to use a strong 8-character or longer password that uses a combination of Upper, Lower and special characters to increase the security protection for your OMNINAS.

5. Click Next Step.

OMNÍNAS	
Your Own Private Cloud	OMNINAS Wizard
Step 2. Adminstrator Account	
⊘ 2	-000
Enter a password This is used for Adminstrator Account	for OMNINAS adminstrator account. logging in OMNINAS management page.
Adminstrator Password	Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '.
Re-confirme your password	
	Next Step

Adminstrator Account Prompt

6. In the **Create OMNINAS** prompt, enter a name to designate your OMNINAS device. The name must be 6 to 18 characters long.

Once your device is named, the Internet status field displays the status of your network connection. If you are connected, your Share Box account registers successfully to the Share Box server.

7. Click Create to contiue.

Connected.	Compare and register Share Box.	Step 3. Create OMNINAS	
Set up a OMNINAS name and register Share Box. OMNINAS Name Instest Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '. Internet Status Connected.	Set up a OMNINAS name and register Share Box. OMNINAS Name nastest Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '. Internet Status Connected. Share Box http://nastest.omninas.net 3200	<u> </u>	<u> </u>
Set up a OMNINAS name and register Share Box. OMNINAS Name nastest Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '. Internet Status Connected.	Set up a OMININAS name and register Share Box. OMNINAS Name Inastest Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '. Internet Status Connected. Share Box http://nastest.omninas.net		
OMNINAS Name nastest Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '. Internet Status Connected.	OMNINAS Name nastest Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '. Internet Status Connected. Share Box http://nastest.omninas.net	Set up a OM	NINAS name and register Share Box.
OMNINAS Name nastest Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '. Internet Status Connected.	OMNINAS Name nastest Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '. Internet Status Connected. ♥ Share Box http://nastest.omninas.net		0
or lowercase letters) numbers and special characters '- '.	or lowercase letters) numbers and special characters '- '. Internet Status Connected. Share Box http://nastest.omninas.net 3200	OMNINAS Name	nastest
Internet Status Connected.	Internet Status Connected. Share Box http://nastest.omninas.net 3200		or lowercase letters) numbers and special characters '- '.
	Share Box http://nastest.omninas.net 3200	Internet Status	Connected.
Share Box http://nastest.omninas.net 3200		Share Box	http://nastest.omninas.net 3200
			Create
Create	Create		

Create OMNINAS Prompt

The setup process configures your OMNINAS on your local network and registers on the Share Box server.

In the event of a network error, An **Internet Info.** prompt displays and lists your device's network setting configuration.

Click **Back** to return to the previous menu.

Internet Info.		
. IP Address	169.254.100.200	
 Netmask 	255.255.0.0	
Gateway		
DNS Server 1		
DNS Server 2	192.168.1.210	
 Error Code 		
		Back

Internet Info.

The following prompt displays. Without an Internet connection, the OMNINAS Share Box function can not be registered at this time.

If you are connected to a DHCP router but still receive this error message, take a screen shot and provide the message to your router administrator or to the Shuttle Service Center.

Once the network settings are correctly configured, the Share Box function can be set up through the web interface.

Step 3. Creat	e OMNINAS	
	O	- <u>0</u> -0-0
	Set up a OM	VINAS name and register Share Box.
	OMNINAS Name	Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '-'.
	Internet Status Share Box	Not connected! • C http://.omninas.net 3200
	No inter ShareBo Now yo OMNINAS name	met connection available to register OMNINAS ox. This setting is also available at management page. u still can click "Create OMNINAS" to create an to be used within local network.
		Create

Set up OMNINAS Name

8. Enter the name to designate your OMNINAS and click **Create** to continue the process without registering Share box.

The Share Media Files prompt follows. You can turn on the Media Server and iTunes Server at this time to share your files.

Note:

It is not necessary to register Media server at this time. You can setup the function through the browser interface.

- 9. In the Media Server option, click the option **OFF**. The setting switches to **ON** and a synchronization option displays.
- 10. Select from the following to set the sync options:

Manual: select this to synchronize manually.

Every: select a specific period of time for automaic synchronization.

- 11. In the iTunes Server option, click the option **OFF**. The setting switches to **ON** and a synchronization option displays.
- 12. Select from the following to set the sync options:

Manual: select this to synchronize manually.

Every: select a specific period of time for automaic synchronization.

13. Click Next Step to continue.

Share Media Files	
Turn on below service t	to share your media files.
Media Server: ON Media files are placed in the "disk" folder.	iTunes Server: ON Media files are placed in the "iTunes" folder
Manual synchronization	Manual synchronization
© Every 30 Minutes - Auto synchronization	© Every 30 Minutes - Auto synchronization
	Novt Sto

Share Media Files Prompt
The RAID disk function opens and displays compatible disk-array options.

In the RAID mode screen, you can select to build a new RAID array or select the **Current RAID** mode to maintain the previously configured file system.

IMPORTANT:

By choosing the current RAID mode the original data on the disk drives is preserved. However, the user and folder lists as well as existing settings are deleted.

Step 5. Create a RAID Disk	
0-0	0 0 0
\$	select a desired RAID mode.
	Current :
	Single
	Single Disk
	Available Capacity: 76.74GB
	Rebuild the System Use the current RAID mode

Step5. Create a RAID Disk Screen

Note:

The time required to rebuild a system is dependent on the RAID type selected and the size of hard drives.

If you are unsure of the disk-array to use, select Use the current RAID mode (default).

- 14. Click on a RAID mode setting to continue.
- 15. The User Account setting displays. In the user account field, enter a new account name to add.
- 16. In the User Password field, enter a password associated with the account name above.

It is advisable to use a strong 8-character or longer password that uses a combination of Upper, Lower and special characters to increase the security protection for your OMNINAS.

- 17. Enter the same password in the Reconfirm your password field.
- 18. Click **Next Step** to continue.

tep 6. Create an User Account ⊘⊘	- 0 - 0 - 0
Create an user ac The user account is to	count to access the files in OMNINAS. o be used within local network (LAN) and Share Box.
User Account	testuser Please enter 2~16 characters; You may use English letters (Capital or
User Password	(,) etc.)
	Please enter 0~32 characters; You may use English letters (Capital or lowercase letters) numbers and special characters (such as -, _, !, #, %, &, ^, {, } etc.)
Re-confirme your password	
	Next Step

Create a User Account Prompt

The setup of your OMNINAS device is complete. The Complete prompt displays.

The OMNINAS name as configured is displayed as well as the name of the administrator and user accounts. It is recommended to write down and keep the setup information for quick reference.



Completed Prompt

From the Completed prompt you can select from the following:

Enter the OMNINAS management page: the device's internal IP address displays (default: http://169.254.100.200).



1. Click Go to and the Management login prompt displays.

Administrator Name Password	

Management Login

2. In the login prompt, enter the admin password as defined in Step 4 of the *OMNINAS Wizard*.



GETTING STARTED

1. Click Go to and the Share Box login prompt displays.



Share Box Login

- 2. In the login prompt, enter the admin password as defined in page 2-16, step 3 of OMNINAS Wizard setup screen.
- 3. After connecting to your OMNINAS device, the user login prompt displays.
- 4. Type the user name and password of a define user account as defined in page 2-20, step 6 of OMNINAS Wizard setup screen.

Enter login/p	bassword	
Login :]
Password :		
Remembe	er Me	- 247

Share Box User Login

CONNECTING THE OMNINAS

🔾 🗢 🖳 🕨 Network 🕨 192.168.1.121	•	
File Edit View Tools Help		
Organize 💌 Search active directory	Network and Sharing Center	View remote printers
🔆 Favorites	disk Share	iTunes Share
📃 Desktop	Private1 Share	

Shared Folders Prompt

Goto "File Explorer" key in \\169.254.100.200 to access files. English

Connecting by Web Browser

After initial setup, you can manage your OMNINAS through the interface menus. Connecting to the management menus is done by using either the Finder utility or direct access through a web browser. The two methods are defined in the following:

Connect by using the Finder utility — available for Windows and Mac OS X users

Connect through a web browser — available for Windows, Mac OS X, and Linux users

Connect Using Finder

The Finder utility is available only for Windows or Mac OS X operating systems.

- 1. Connect the OMNINAS as described in *Connect to a Switch or Router*.
- 2. Run and use the Finder utility to obtain the OMNINAS IP address. See the following figure.

Note:

Unless your computer system's language setting is detected, the default language setting is English.

All OMNINAS devices available within your subnet group are displayed in the NAS Found tab.

If only one device is detected by Finder, the device's web interface automatically display.

If devices are not automatically found, click **Search** to manually perform this function.



Obtaining an IP Address

3. Open a web browser and type the IP address in the address bar as shown in the IPv4 Address tab.

The Login screen displays.

Note:

If only one device detected by Finder, it will automatically guide you to web UI page.

← → C 前 ☐ 169.254.100.2	200
	Your Own Private Cloud
	User name Password Can't access my account?
Shuttle	COPYRIGHT © 2012 SHUTTLE INC. ALL RIGHTS RESERVED

Connecting by Using the Finder Utility

4. Enter the username to login and configure the OMNINAS.

Default

Username: admin

Password: ******

Note:

If the hard drives are not, yet, configured, the OMNINAS Wizard screen displays. You must configure the disks before continuing.

Connect to OMNINAS Web Interface

To connect directly through a web browser, you will need to set your computer's network settings so it is under the OMNINAS default subnet group, see Connect Directly to a PC or Laptop.

OMNINAS default IP address: 169.254.100.200

- 1. Connect your OMNINAS as described in Connect Directly to a PC or Laptop.
- 2. Open a web browser.

3. In the address bar, type in the OMNINAS default IP address.

← → C ♠ 🗋 16	69.254.100.200	
		Vour Own Private Cloud English
		Password Can't access my account?
Shuttle		COPYRIGHT @ 2012 SHUTTLE INC. ALL RIGHTS RESERVED

Connecting Directly through a Web Browser

4. Enter the username to login and configure the OMNINAS.

Default

Username: admin

Password: ******

Note:

If the OMNINAS is not configured to use DHCP, the default IP address is http://169.254.100.200. Make sure the OMNINAS and the computer connected to it are under the same subnet.

If the hard drives are not, yet, configured, the OMNINAS Wizard screen displays. You must configure the disks before continuing.

Mapping Network Drives

You can create a shortcut (map) to an OMNINAS folder as a network drive on Windows workgroup networks. Once it is mapped (shortcut), you can access it from your computer or Windows Explorer.

There are two methods to create a short cut, mapping all the available drives at once or mapping selected individual drives. Before you can map a drive, the OMNINAS device must be configured and initialized. See *System Initialization*.



Mapping a Network Drive

Map All

- 1. In the OMNINAS Finder window, select a NAS device.
- 2. Click Map Network Drives.

The Resource Mapping table displays. The table lists available OMNINAS folders, drive letters, and connection type.

- 3. Click the **Drive** drop-down menu to select a drive letter for each folder.
- 4. Click the **Connect** drop-down menu to select a connection type (Permanent/Temporary) for each folder.

Folder	Drive	Connect	
nas123456\test1	Z:	Permanent	Connect
(nas123456\iTunes	Y:	Permanent	Connect
(nas123456\disk	X:	Permanent	Connect
nas123456\Test2	W:	Permanent	Connect
\nas123456\Private1	V:	Permanent	Connect

Mapping All Folders

5. Once the folder options are configured, click **All Connect** to select all the available folders.

The connection process continues. Once the folders are successfully mapped to your computer, the status (Resource Mapping Table) for the folders displays Connected.

6. To access and manage your mapped folders, open the drive through the mapped shortcut.

Folder	Drive	Connect
\\KD20-414670\Private	V:	Connected
\\KD20-414670\iTunes	Y	Connected
\\KD20-414670\disk	Z	Connected

Displaying All Mapped Drives

Note:

If your network is under a domain server, mapping internal folders may require network access and permission.

Map Individual Drive

1. In the OMNINAS Finder window, select a NAS device.

2. Click Map Network Drives.

The Resource Mapping table displays. The table lists available OMNINAS folders, drive letters, and connection type.

3. Select a folder to map, and click the **Drive** drop-down menu to select a drive letter.

Resource Mapping Table				
Folder	Drive	Connect		
\\nas123456\test1	Z: K	Permanent	Connect	
\\nas123456\iTunes	Z: 🗸	Connected		
\\nas123456\disk	Y:	Permanent	Connect	
\\nas123456\Test2	X: 	Permanent	Connect	
\\nas123456\Private1	V:	Permanent	Connect	
	Ú:			
	T:			_
All Conne	5: R:	Exit		

Mapping an Individual Drive

4. In the Connect tab, click the setting to define the type of mapping (Permanent/Temporary).

Note:

Mapping private folders requires an additional authentication step. See the following guidance:

• Click **Connect** to open the authentication login screen.

5. Click **Connect** to establish the shortcut.

• Enter the user name and password of a user authorized to access the folder (Share->User List).

Windows Security	J
Enter Network Password Enter your password to connect to: 192.168.1.1	
User name Password Domain: NTC Remember my credentials	
Access is denied.	
OK Cancel	

Entering Network Password

• Authorization is complete and an explorer window displays.

The mapped drive is now available on your computer.

6. To access and manage your mapped folders, open the drive through the shortcut.

Name	Туре	Total Size	Free Space
Hard Disk Drives			
🏭 Segate-OS (C:)	Local Disk	195 GB	88.8 GB
👝 Segate-programs (D:)	Local Disk	270 GB	187 GB
👝 original-os (E:)	Local Disk	76.3 GB	48.8 GB
👝 NTC_Archived (I:)	Local Disk	116 GB	56.4 GB
👝 Drive (O:)	Local Disk	99.9 MB	46.2 MB
💼 Main Programs (P:)	Local Disk	416 GB	40.3 GB
A Network Location			
🚽 iTunes (\\192.168.1.33) (T:)	Network Drive	464 GB	348 GB

Mapped Individual Folder

Note:

If your network is under a domain server, mapping internal folders may require network access and permission.

Deleting Network Drives

The delete function allows you to remove already mapped network drives. Close all folders associated with the drives to make sure the delete function successfully removes the shortcut reference.

Note:

After a drive is mapped, a software application on your computer can read and write files from the shared storage area by accessing that drive, just as if the mapped drive represented a local physical hard disk drive. In the following example, the mapped drive is labeled "F". It is accessible for the computer as follows:

Example: F:\directory folder\

- 1. In the OMNINAS Finder window, select a NAS Device.
- 2. Click Delete Network Drives.

S OMNINAS Finder				
NAS Found				
# Name	IPv4 Address	MAC Address	Version	English 🗸
1 nas123456	192.168.1.121	80-EE-73-60-84-F6	0.21.20130424.b	
				Search
				Connect
				Hap Network Drives
				Delete Network Drives
				About "
				🕛 Exit
				() Help
				.:

Delete Network Drives

The Resource Mapping table displays. The table lists available OMNINAS folders, drive letters, and connection type.

3. Select a folder to unmap, and click **Delete**.

Resource Mapping Table			
Folder	Drive	Connect	
\\nas123456\test1	Z	Connected	
\\nas123456\iTunes	Y	Connected	
\\nas123456\disk	х	Connected	
\\nas123456\Test2	W	Connected	
\\nas123456\Private1	٧	Connected	
Delete	Car	ncel	

Mapping an Individual Folder

The mapped drive is removed from the network.

Note:

An open mapped folder prevents the deletion of a mapped drive. Close your Explorer and iTunes windows for deletion of mapped drives to function.

English

Chapter 3

Web Interface

Overview

The OMNINAS Web Interface allows you to configure your personal settings through a web browser. The Interface includes access to Settings, Storage, Share, USB, Backup, BT Download, Share Box and Media Service. You can use the Interface to manage your devices from a local or remote access in the same subnet group.

Home Menu



Administrator Home Menu

Home Menu Settings

Ісом	Ітем	DESCRIPTION
*	Settings	The Settings menu provides access to the following functions: Wi-Fi, Network, Date & Time, General, About, Log, Factory Reset, Firmware Update, and FTP Server.
	Storage	The Storage menu provides access to the following functions: Auto Mirror, Disk Manager, and RAID Manager.
	Share	The Share menu provides access to the following functions: Add Folder, Folder List, Add User, and User List.
•	USB	The USB menu provides access to the following functions: Printer Setting and Auto Copy.
	Backup	The Backup menu provides access to the following functions: Backup Log, Backup Setting List, and Backup Setting.
	BT Download	The BT Download menu provides access to the following functions: BT Download and BT Setting.
	Share Box	The Share Box menu allows you to enable or disable the Share Box function. Sharing is provided through the [Your Host Name].omninas.net.

func-	English

ICON	Ітем	DESCRIPTION
	Media Server	The Media Server menu allows you to enable or disable the media server func- tion.
	Language	Click to select the language (Default: English) to use on the interface.
٦	Restart	Click to initiate a system restart procedure. Note: If a process is running, restart is scheduled after completion of the current pro- cess.
U	Shut Down	Click to power down the system.
B	Logout	Click to log off the current user.

Settings Menu

The Settings menu includes access to Wi-Fi, Network, Date & Time, General, About, Log, Factory Reset, Firmware Update, and FTP Server. You can use the Interface to configure your settings from a local or remote location in LAN.

Your Own Private Cloud				English	v	@ E
Settings 💥		🔊 Wi-Fi	(Network	Oate & Time	G	eneral 🚺
Storage 🚍		ELog	Factory Rese	t 🔄 Firmware	Update	FTP Ser
Share 🖵						
USB⊷⇔	OMNINAS KD22 Name:		nas	123456		
	Workgroup:		WC	RKGROUP		
Backup 📥	Subnet Mask:		25	1.255.255.0		
DT Developed Bill	Default Gateway:		19:	2.168.1.1		
BT Download +	DNS Server 1:		193	2.168.1.210		
Share Box 🕮	DNS Server 2:		168	3.95.1.1		
onare Box	MAC Address:		80:	EE:73:60:84:F6		
Media Server 📠	WI-FI SSID: Wi-Fi MAC Address:		UM 64-	NINAS-6084F6 54:04:03:79:46		
~~~	Firmware Version:		0.2	1.20130424.b		
	Date and Time:		Ma	(7, 2013 01:46:15 F	PM	
	Total Capacity:		974	4.91 GB		
	Available Capacity:		974	1.88 GB		
	iTunes Server:		Sta	rt		
	Media Server:		Sta	rt		
	Share Box:		On			
	FIP Server: BT Download:		Dis	apieŭ abled		
	ar Download.		Dis	avied		
	Power Saving Mode:		Su	spend		
	Power Saving Time:		10	Minutes		
	Auto restart after power	failure:	Dis	abled		
	Wake on LAN:		Dis	abled		

### Settings Menu

### **Settings Menu Settings**

Icon	Ітем	DESCRIPTION
<b>(</b> ?)	Wi-Fi	The OMNINAS provides wireless connectivity as an Access Point (AP). By set- ting up the OMNINAS as an AP, your wireless devices can use the OMNINAS to connect to the Internet WiFi function supports a variety of encryption standards including the following: WPA2.
	Network	Set device name, assign a workgroup, set to DHCP or manually assign an IP ad- dress.
$\bigcirc$	Date & Time	Set the time zone, assign a network time server, or set your date time settings to mirror your browser.
	General	This General function allows you to set the administrator password, configure power savings through Power Management and setup an automatic power on/off schedule.

Ісом	Ітем	DESCRIPTION
	About	Display an overview of the OMNINAS settings and configuration information. This function is for display only.
	About	Note:
		Admin account user name cannot be edited.
	Log	Display and clear all log entries.
		Reset OMNINAS to factory default settings.
U	Factory Reset	IMPORTANT:
		All data and settings are deleted.
	Firmware Update	Update device's firmware.
FTP	FTP Server	The FTP Server function allows you to enable or disable ftp functionality to the OMNINAS. Set the port range and select the maximum number of clients that are allowed to connect through the FTP standard.
	Home	Click to return to the Home menu.
e	Logout	Click to log off the current user.

English

### Storage Menu

Your Own Private Cloud	English 💌 🕼 🕒
Settings 💥	QAuto Mirror QDisk Manager Q RAID Manager
Storage 🚔	
Share 숙	Current RAID Mode : SINGLE
USB+🚓	
Backup 📥	
BT Download 💾	$\begin{array}{c} 2\\ 3\\ 3\\ \end{array}$
Share Box 😷	
Media Server 🖳	Single     JB0D     RaiD 0     RaiD 1
	Single Disk Volume Linear Disk Volume Striping Disk Volume Mirroring Disk Volume
	Create Disk-Array

Storage Menu

### Storage Menu Settings

ICON	Ітем	DESCRIPTION
	Auto Mirror	Display current RAID mode. Enable or disable the auto mirroring function, available only in RAID 1 mode.
	Disk Manager	Displays disk information and status (active, failed, mirroring and mount or un- mount an external drive) for all internal or external (USB) drives. Displays the available disk capacity. Scan, repair, and format system disks. Mount, unmount, and format external devices.
	RAID Manager	Displays current RAID mode and set RAID mode type: single, JBOD, RAID 0, or RAID 1. <b>Note:</b> Only RAID 1 provides auto mirroring function.
	Home	Click to return to the Home menu.
B	Logout	Click to log off the current user.

### Share Menu

Your Own Private Cloud			Eng	lish 💽 🕠	
Settings 💥		Add Folder	Folder List	Add User	User Li
Storage 🚍					
Share 숙	User Name	D	escription	Actio	n
USB∙€					
Backup 📥	(				
BT Download 💾					
Share Box 🖀					
Media Server 🟦					

#### Share Menu

### Share Menu Settings

Ісом	Ітем	DESCRIPTION
	Add Folder	Add public or private folders.
0	Folder List	Display list of available folders, edit and delete both user created and default fold- ers.
R	Add User	Add user profiles.
	User List	Display list of available users, edit and delete the user profiles. <b>Note:</b> Administrator account cannot be deleted. However, the administrator password can be edited (General menu under Setting).
	Home	Click to return to the Home menu.
B	Logout	Click to log off the current user.

### **USB Menu**

Your Own Private Cloud		English 💌 🔂 💽
Settings 💥		Printer Setting Que Auto Copy
Storage 📕 Share 🖵	Auto copy from SD	◯ Enable
USB∙⇔	Auto copy from USB3.0 port	O Enable ③ Disable Select NAS destination folder disk Y
BT Download	** To perform auto copy, please i	remove all backup jobs on SD or USB3.0 port.
Share Box 🖀	Auto copy from PTP camera	O Enable ③ Disable Select NAS destination folder disk 💌
Media Server 🟦		Delete the photos from the camera automatically after auto copy completed
	PTP Camera List	
	Manufacturer	Model
		Save

USB Menu

### **USB Menu Settings**

Ісом	Ітем	DESCRIPTION
	Printer Setting	Display status information for connected printer devices.
		Enable or disable auto copying function to an SD card or an external (USB) de- vice.
4	Auto Copy	<b>Note:</b> Auto copy is only supported on USB 3.0 ports and the SD card slot.
	Home	Click to return to the Home menu.
B	Logout	Click to log off the current user.

English

### Backup Menu

Your Own Private Cloud	English 💽 🔂
Settings 💥	Backup Log Backup Setting List Backup Setting
Storage 🚍	
Share 숙	Backup from OMNINAS KD20 to External Devices
USB⊷⇔	Description:
Backup 📥	(Name of the backup job, max. 64 characters or less.) Select your backup destination:
BT Download 🕂	Backup to External Devices     Whitachi HTS542516K9SA00-10_1(156 288GB)
Share Box 🕮	Backup to OMNINAS KD20
Media Server 📠	Host Scan NAS User name:
	Password:
	Time of Execution
	Weekdays: Mon Tue Wed Thu Fri Sat Sun
	Hours minutes: 9 Hours v Minutes

### Backup Menu

### Backup Menu Settings

Ісом	Ітем	DESCRIPTION
	Backup Log	Displays a history list of executed backup events.
	Backup Setting List	Displays a list of all created back up settings.
× ×	Backup Setting	Create and schedule backup events from a selected source file to a target exter- nal or second OMNINAS device. Backup now function is available for instant backup events. <b>Note:</b> Events are executed in a sequential order. The backup now function does not override an ongoing event. When a scheduled event is currently running, the backup function begins once the scheduled event is completed.
	Home	Click to return to the Home menu.
B	Logout	Click to log off the current user.

### **BT Download Menu**

Your Own Private Cloud		English V
Settings 💥		BT Setting BT Download
Storage 🚍		
Share 숙		
USB+🚓	Open Remove Pause Resume Pause All Resume All	Inspector
Backup 📥	0Transfers	♣ 0 bytes/s
BT Download 🕂		
Share Box 🕮		
Media Server 📠		

### **BT Download Menu**

### **BT Download Menu Settings**

Ісом	Ітем	DESCRIPTION
BT	BT Setting	The BT Setting menu allows you to enable or disable the BT Download function. Set general and specific downloading settings (always, scheduled).
BT	BT Download	Select files to upload, set preferences, download and upload rates, and manually control the download functions.
	Home	Click to return to the Home menu.
B	Logout	Click to log off the current user.

### Share Box Menu

DMNINAS Your Own Private Cloud			English 💽 🕞
Settings 💥			Share Box Setting
Storage 🚍 Share 숙	Share Box: O on O off		
USB∙€→	Host Name:		.omninas.net
Backup 📥	Password:		
BT Download 🕂	Password (Confirm):		
Share Box 🐣	Port	3000	
Media Server 🚉	UPnP Support	Yes No	
		Save	

### Share Box Menu

### Share Box Menu Settings

Ісом	Ітем	DESCRIPTION
		Enable or disable remote sharing function through the <b>omninas.net</b> host servers.
	Share Box Setting	<b>Note:</b> The default Port setting is recommended to avoid getting blocked by your firewall or anti-virus software.
	Home	Click to return to the Home menu.
B	Logout	Click to log off the current user.

English

### Media Server Menu

Your Own Private Cloud	English 💌 😡 💽
Settings 💥 Storage 🗮 Share 🖵 USB 🚓 Backup 🛓 BT Download 🛱	Media Server
Share Box 🖀 Media Server 🚉	

#### Media Server Menu

#### Media Server Menu Settings

Ісом	Ітем	DESCRIPTION
<b>P</b>	Media Server	The Media Server menu allows you to enable or disable the media server func- tion.
	iTunes Server	Enable or disable the iTunes Server. Enable the function allows all iTunes clients within th esame subnet to access music files within the OMNINAS iTunes folder.
	Home	Click to return to the Home menu.
B	Logout	Click to log off the current user.

### Launching the Interface

You can access the OMNINAS Web Interface by using the OMNINAS Finder or through a web browser.

To use the OMNINAS Finder utility, see Connecting Your OMNINAS.

To use a web browser, see Connecting by Web Browser.

# Logging In

The login screen appears and prompts for a Username and Password. The default username is admin. The password was you set during in page 2-16, step 2 of OMNINAS Wizard setup screen.

### Note:

You can change the language setting on this screen by clicking on the language drop-down menu.

To login:

/	
ń	
Your	Own Private Cloud
	English 🔽
	<b>X</b>
Usernam	
Passwor	
	Card annual mu annual?

### **OMNINAS Login Screen**

1. Enter the Username and Password.

### Default

Username: admin

Password: ******

### Note:

The password was set during in page 2-16, step 2 of OMNINAS Wizard setup screen.

2. Click **Enter (D)** to access the administration interface.

### **IMPORTANT:**

In the event of a lost password, click on **Can't access my account?** to follow the reset process.

If the Web interface is idle for 10 minutes, the system automatically logs out.

# **User Management**

This section provides information for the management of user accounts. The provided guidelines cover adding, editing, deleting user profiles, as well as viewing of user lists.

### **Viewing User List**

To view, edit or delete user profiles, use the User List screen to manage available user profiles.

Your Own Private Cloud		Englist	
Settings 💥		Add Folder	🚯 Add User 🕕 User List
Storage 🚍			
Share 🔶	User Name	Description	Action
USB⊷⇔			
Backup 📥			
BT Download 💾			
Share Box 🕮			
Media Server 🟦			

### Share User List Screen

The following users are available by default:

admin: The administrator is configured with full access to system administration and all network shares. This account cannot be deleted.

### **Adding Users**

To create a user, the following information is required:

**User name:** Can not exceed 32 characters. It is not case sensitive and supports doublebyte characters, such as those from Chinese, Japanese, and Korean types.

Invalid characters are listed below:

"/\[]:;|=,+*?<>``

**Password:** Case-sensitive and supports a maximum of 16 characters. A password of at least 6 characters is recommended.

Your Own Private Cloud		English 💌 🕼 🕒
Settings 💥		GAdd Folder Folder List Add User
Storage 🚍		
Share 숙	User Name:	
USB+⇐+	Description:	
Backup 📥	Password:	
BT Download 💾	Password (Confirm):	
Share Box 🕾		Save
Media Server 🚉		

#### Share Add User Screen

- 1. Click on the **Add User** tab to add a user.
- 2. Fill in the information and click **Save**.

The Save function redirects you back to the User list tab.

The new added user appears on the list.

	Add Folder	Folder List	🔞 Add User	🛞 User Li
1 Sector 2 Percenter				
User Name:	testuser			
Description:	adding use	r		
Password:				
Password (Confirm):				
	Save	ancel		

### Adding a User

### Note:

Users do not have administrator privileges.

English

### **Editing Users**

Your Own Private Cloud		Er	nglish 🗴 🞧 💽
Settings 💥		Add Folder	Add User 🕕 User List
Storage 🚍			
Share 숙	User Name	Description	Action
USB+&	testuser	adding user	Edit Delete
Backup 📥			
BT Download 🕂			
Share Box 🕮			
Media Server 🚉			

### Editing a User

- 1. Click the User List tab to view a list of available users.
- 2. Select a user and click Edit to modify. A prompt displays, edit the desired fields.
- 3. Click **Save** to complete changes or **Cancel** to go back to the User List.

### Note:

User names cannot be modified.

### **Deleting Users**

Your Own Private Cloud		English	
Settings 💥		Add Folder	🚯 Add User 🕕 🛞 User List
Storage 📑			
Share 🔶	User Name	Description	Action
USB+&+	testuser	adding user	Edit Delete
Backup 📥			
BT Download 👫			
Share Box 🕾			
Media Server 🚉			

### Deleting a User

- 1. Click the **User List** tab to view a list of available users.
- Select a user and click **Delete** to remove the user. A confirmation prompt displays.
- 3. Click **OK** to delete or **Cancel** to go back to the User List.

## Storage Management RAID Manager

The Storage function on the main menu provides access to configure and manage your available storage. The Storage function allows access to RAID Manager, Disk Manager and Auto Mirror to monitor and change the RAID array on the OMNINAS.



### Storage RAID Manager Screen

### **RAID Types**

### RAID Types Defined

Mode	DESCRIPTION
Single	A single hard drive is used. All data is lost in the event of a hard drive failure.
	RAID functionality is not available in JBOD (Just a Bunch of Disks) mode. Data is written sequentially on the designated disks. Both hard drives are combined to form a single larger disk.
JBOD	<b>Note:</b> If you are using two identical HDDs, it is recommended to use RAID 0.
	Both hard drives are combined and the available capacity of each disk is added into a single logical volume. Redundancy or parity is not available. RAID 0 offers the best performance, however, there is no disk failure protection.
RAID 0	<b>IMPORTANT:</b> If a single disk in RAID 0 fails, the data in both disks is inaccessible due to the RAID 0 cross-disk writ- ing function.
RAID 1	Dual hard drives are required. RAID 1 is a secure mode, providing mirroring functionality. The data is duplicated between both HDDs, and, in the event of a single disk failure, the data is available in the healthy disk. RAID 1 is recommended for disk failure protection. However, available disk space is reduced by 50% due to the mirroring function.
	Only RAID 1 supports hot-swap functionality. All other modes require you to power down the device before removal of hard drives.

### **IMPORTANT:**

Changing RAID types erases all data stored on your storage disks. If there is saved data on the drive(s), backup your data before proceeding.

### **IMPORTANT:**

Only RAID 1 supports hot-swap functionality. All other modes require you to power down the device before removal of hard drives.

The Disk Manager function displays model, capacity and status of the available hard drives. You can view the health status, remove, check, format, and unmount a disk drive.

### **Creating a RAID Mode**

### **IMPORTANT:**

Changing RAID types erases all data stored on your storage disks. If there is saved data on the drive(s), backup your data before proceeding.

In Single Disk mode, a second drive can be inserted. The device recognizes the new drive as an external disk.

### **Prerequisites:**

- Single: Install one hard disk drive
- JBOD, RAID 0, RAID 1: Install two hard disk drives

### Note:

Single mode supports the installation of a second drive (external disk).

1. Select Storage and click on the RAID Manager tab.

The current RAID mode is displayed above the available RAID modes, see the following figure.

2. Click on a RAID mode, see *RAID Types* to select your preference.

English

3. Click Create Disk-Array.

	2	Auto Mirror	Disk Man	ager [	RAID Manager
			Curr	rent RAID Mo	de : SINGLE
1 2 3 4	1 2 3 4 8	1 3 5 7	2 4 6 8	1 2 3 4	1
SINGLE Single Disk Volume	JBOD Linear Disk Volume	RAID 0 Striping I	Oisk Volume	RAID 1 Mirroring D	isk Volume
	Create	Disk-Array			

### Creating a RAID Mode

- 4. A prompt displays, press **OK** to continue.
- A prompt displays to confirm the rebuild process, click **OK** to continue. The time to rebuild varies depending on RAID Array and HDD size. When it is complete, the Home screen displays.
- 6. Log in to enter the interface.

### Disk Manager Menu

Disk manager menu screen allows you to check the status of external and internal disks as well as viewing the formatted capacity of all available disks.

Mod	el	Capaci	ity[GB]	⑦ Status	S.M.A.R.T.	Action
Hitachi HDS721	1050CLA662	500.1	1 GB	GOOD	Info	
		0.00	GB	EMPTY		
Array	File	Formattee	d Capacit	y 🤋		41
Туре	System Type	Total	Availab	le Status	്രവ	cuon
SINGLE	XFS	486.88 GB	486.88 (	GB ACTIVE	Check Disk	
	Mod Hitachi HDS721 city Array Type SINGLE	Model Hitachi HDS721050CLA662 city City Single System Type SINGLE XFS	Model     Capaci       Hitachi HDS721050CLA662     500.1       itachi HDS721050CLA662     0.00       city     File       Array     File       System     Total       SINGLE     XFS       486.88 GB	Model         Capacity[GB]           Hitachi HDS721050CLA662         500.11 GB           0.00 GB         0.00 GB           city         File           Array         File           System         Total           Availab           SINGLE         XFS           486.88 GB         486.88 GB	Model         Capacity[GB]         Status           Hitachi HDS721050CLA662         500.11 GB         GOOD           0.00 GB         EMPTY           city         System Type         File System Type         Formatted Capacity         Image: Capacity (CB)           SINGLE         XFS         486.88 GB         486.88 GB         ACTIVE	Model     Capacity[GB]     Status     S.M.A.R.T.       Hitachi HDS721050CLA662     500.11 GB     GOOD     Info       0.00 GB     EMPTY        city     File     Formatted Capacity        Array     File     Formatted Capacity        Type     File     Formatted Capacity        SINGLE     XFS     486.88 GB     486.88 GB     ACTIVE

#### **Disk Manager Interface**

### **Checking Disks**

### **IMPORTANT:**

Checking disks unmounts a drive(s). Functions such as access, auto copy, and backup are not available. Do not power off or reboot the system to prevent damage to your system.

Select Storage and click on the Disk Manager tab to view your available disks.

From this menu you can view the status and permissible tasks (action) for each HDD.

- See **Status** to view disk health condition (Empty, disk unavailable, good, failed, and mirroring).
- See Action to view permitted tasks for a drive:

### Internal Disks

- Add disk adds access to the installed hard drive
- Remove disk removes access to the installed hard drive

#### **Formatted Capacity**

- Check disk verifies integrity of selected disk
- Format erases all data and prepares HDD directory structure

# English

#### **External Devices**

- Mount allow access to the disk image
- Unmount remove access to the disk image
- Format erases all data and prepares HDD directory structure.
- See Formatted Capacity to view total and available disk capacity for a particular drive.

Disk No.		Mode	el	Capaci	ity[GB]	Status	S.M.A.R.T.	Action
1	Hitac	hi HDS721	050CLA662	500.1	1 GB	GOOD	Info	
2				0.00	GB	EMPTY		
UCCUD	ied	Array		Tormatte	ucapacity	<u> </u>	~ ~	
() CCIIIN				I OTHIGUE		-		
Capac	ied :ity	Array Type	System Type	Total	Available	(?) Status	@Ac	tion
Capac	ied :ity	Array Type SINGLE	System Type XFS	Total 486.88 GB	Available 486.88 GB	Image: Status       ACTIVE	@Ac Check Disk Format	tion
Capac 0%	ied iity	Array Type SINGLE	System Type XFS	Total	Available 486.88 GB	Image: Control of the second secon	<pre>@Ac</pre> Check Disk Format	tion
Capac 0%	ied iity ices	Array Type SINGLE	System Type XFS	Total	Available 486.88 GB	Image: Status       ACTIVE	@Ac Check Disk Format	ction

### **Checking Disk Function**

### **Disk Management**

Disk removal is simple and easy. To accommodate the varying RAID types, hot swap and nonhot swap disk removal is designed into the OMNINAS.

### **Replacing a Hot-swap Drive**

You can replace a hot-swap drive (RAID 1 mode only) by using the hot-swap button found on the front panel or through the Disk Manager menu on the OMNINAS interface.

### **IMPORTANT:**

The formatting process deletes any data on the disk. Make sure you backup your data before proceeding. Do not power off or reboot the system to prevent damage.

To replace a drive using the Hot-swap button:

- 1. On the bay cover (front panel), press in the indicator to open the cover. The cover pops open.
- 2. Extend the cover to allow access to the HDD trays.

3. Press the Hot-swap button (front panel) until an audible beep sounds and the LED starts to blink. See following figure.



#### **Hot Swap Button Function**

Replace the drive. Once inserted, an audible sound alerts that the HDD is replaced. The status LED flashes red.

After a short time, the Status tab in Disk Manager detects and displays the new HDD status.

To replace a drive using the Disk Manager menu:

- 1. Log in to the OMNINAS web interface.
- 2. Click on Storage -> Disk Manager to view your available disk drives.
- 3. Select your target drive and click **Remove Disk**.

		QAuto M	irror 😥 Di	sk Manager	RAID Manage
Internal Dis	sks				
Disk No.	Model	Capacity[GB]	🕐 Status	S.M.A.R.T.	Action
1	Hitachi HDS721050CLA662	500.11 GB	GOOD	Info	Remove Disk

Hot Swap Through Disk Manager

4. An disk access warning prompt displays. Make sure the Disk is not in use at this time, then click **OK**.



#### Hot Swap Through Disk Manager

The status LED on the front panel flashes blue to indicate the on-going process. Once the LED displays solid blue, the hard drive can be safely removed from the HDD bay.

- 5. On the bay cover (front panel), press in the indicator to open the cover. The cover pops open.
- 6. Extend the cover to allow access to the HDD trays.
- 7. Pull the tray release to unlock the hard disk tray. An audible sound alerts that the HDD is undocked.



**HDD Tray Released** 

Replace the drive. Once inserted, an audible sound alerts that the HDD is replaced. The status LED flashes red.

After a short time, the Status tab in Disk Manager detects and displays the new HDD status.

### **Replacing a Drive**

For RAID modes Single, JBOD, RAID 0, and RAID 1, you can replace disks by shutting down the device.

### **IMPORTANT:**

The formatting process deletes any data on the disk. Make sure you backup your data before proceeding. Do not power off or reboot the system to prevent damage.

- 1. On the bay cover, press in the indicator to open the cover. The cover pops open.
- 2. Extend the cover to allow access to the HDD trays.
- 3. Pull the tray release to unlock the hard disk tray. The HDD slides out if undocked.



### HDD1 Tray Released

4. Grasp the tray and slide it out of the bay.
# **Formatting Disks**

The Format function allows you to format a disk (XFS file system) and make it accessible for use.

### **IMPORTANT:**

The formatting process deletes any data on the disk. Make sure you backup your data before proceeding. Do not power off or reboot the system to prevent damage.

- 1. Click on the **Disk Manager** to view your available disks.
- 2. Select a drive. In the Action column, click **Format**.

Disk No.		Mode	el	Capaci	ty[GB]	Status	S.M.A.R.T.	Action
1	Hitachi HDS721050CLA662		500.11 GB		GOOD	Info		
2				0.00	GB	EMPTY		
Occupi Capac	ied A ity 1	Array File Type Type		Total	Total Available		Action	
Capac	ity 1	y Type		Total	Available	Status	OAction     Check Disk	
570	SI	NGLE	XFS	486.88 GB	486.88 GB	ACTIVE	Format	5
						- 14		
external Devi	ices							

### Checking Disk Function

3. A prompt displays to confirm, click **OK** to continue.

The process continues. When it is complete, the Disk Manager screen displays.

# **Auto Mirroring**

By using RAID 1, you can duplicate data between two hard drives. A minimum of two HDDs are required for auto mirroring (RAID 1). The Auto Mirror function allows you to enable or disable the Auto Mirror function available for RAID 1 mode.

A second hard drive must be installed to enable the auto mirroring function. See *Disk Management*.

### Note:

Auto mirroring is only available for RAID 1 mode. Depending on the formatted capacity of RAID 1, the rebuilding of your second drive for mirroring may take several hours. Do not turn off the power or interrupt the system during this process to prevent damage to the system or your hard drives.

The auto mirroring setup will erase the hard drives data. Make sure you backup all data before starting this process.

To enable Auto Mirroring:

- 1. After installing the hard drives, make sure your OMNINAS is powered on.
- 2. Log in to the web interface screen.
- 3. Click on **Storage -> Auto Mirror** to view the enable options.
- 4. Select Enable and click Save to proceed.

Auto Mirror     Auto Miro
Current RAID Mode : SINGLE
Auto Mirror 🖲 Enable 🔘 Disable
(Only applicable to RAID 1)
Save

### **Auto Mirror Function**

Auto Mirroring is now active on your OMNINAS device.

The second hard drive can be installed at this time. See Disk Management.

- 5. On the bay cover, press in the indicator to open the cover. The cover pops open.
- 6. Extend the cover to allow access to the HDD trays.
- 7. Pull the tray release to unlock the hard disk tray. The HDD slides out.
- 8. Grasp the tray and slide it out to remove the tray.
- 9. Install the hard drive, see First Instance.

The corresponding HDD LED light and the mirroring process starts.

In the Disk Manager screen, the auto mirroring function displays the synchronizing of both hard drives.

		Auto Mirror	😡 Disk Ma	nager <table-cell> 😥</table-cell>	RAID Manage		
nternal Disk	S						
Disk No.	Model	Conscibutori					
	wouer	Capacity[GB]		S.M.A.R.T.	Action		
1	Hitachi HDS721050CLA662	500.11 GB	MIRRORING	S.M.A.R.T.	Action		

### Auto Mirroring a Disk

### Note:

The rebuild (Auto Mirror) function may take up to several hours depending on hard drive size.

# Single Disk Expansion / Dual Single HDDs

The single disk expansion function is designed to allow you to create additional storage space without changing your current single disk mode.

Before you start, you will need to add an additional hard disk drive in HDD bay 2. See *Replacing a Drive*.

### Note:

New HDDs are formatted using the XFS file system.

Once the external drive is installed, the disk is visible in the Disk Manager.

From the Disk Manager screen, you can Eject Disk, Mount/Unmount and Format the new external disk.

					Auto	Min	ror		Disk N	Manager	RAID Manag
nternal Dis	ks										
Disk No.			Model		Capacity[(	6B]	?	Statu	s	S.M.A.R.T.	Action
1		Max	tor 6Y08	OMO	81.96 GI	3	G	OOD		Info	
2	WD	C WD	10EARX	-22N0YB0	1000.20 0	BB	EXTE	ERNA	AL.		Eject Disk
Occupied	Capac	ity '	Аггау Туре	File System Type	Formattee Total	l Ca Ava	pacity ailable	@ S	tatus	0	Action
0.04%	capac	, ity	Туре	Туре	Total	Ava	ailable	@-	naius		
		3	INGLE	XFS	78.03 GB	78.	60 GB	AC	TIVE	Check L	lisk Format
External Dev	vices										
Manufact	urer	c.	Devi	ce	Capacity[G	B]	File Typ	pe	Mount	i.	Action
ATA		WDO	C WD10	EARX-22N	0.205			1	10	Mount	Format
ATA		WDC	C WD10	EARX-22N	0.102			1	0	Mount	Format
ATA		WDC	C WD10	EARX-22N	1.049			1	10	Mount	Format
ATA		WDC	C WD10	EARX-22N	975.39		xfs	١	/ES	Unmou	nt Format

Single Disk Expansion Prompt

### **Ejecting an External Disk**

To eject the disk:

- 1. Select **Storage** -> **Disk Manager** -> to open the Disk Manager prompt.
- In the Internal Disks menu, click the action **Eject Disk** for the External drive.
   A prompt displays to verify the procedure.
- 3. Click **OK** to finish the procedure or Cancel to return to the previous screen.

The selected disk is removed from the Internal Disks menu.

The disk can be removed from the OMNINAS device.

Internal Disks

Disk No.	Model	Capacity[GB]	🕐 Status	S.M.A.R.T.	Action
1	Maxtor 6Y080M0	81.96 GB	GOOD	Info	
2	WDC WD10EARX-22N0YB0	1000.20 GB	EXTERNAL		Eject Disk

### Single Disk Expansion Prompt

### Mounting an External Disk

External Devices

External drives can be accessed by local network users. The external drive must be first mounted to allow use to the disk.

To mount the disk:

- 1. Select **Storage** -> **Disk Manager** -> to open the Disk Manager prompt.
- 2. In the External Devices menu, select a volume and click **Mount** in the Action column.

A prompt displays to verify that the mount procedure is successful.

The Mount status changes to YES after a successful function.

The Unmount function displays in the Action column.

Manufacturer	Device	Capacity[GB]	File Type	Mount	Action
ATA	WDC WD10EARX-22N	0.205		NO	Mount Format
ATA	WDC WD10EARX-22N	0.102		NO	Mount Format
ATA	WDC WD10EARX-22N	1.049		NO	Mount Format
ATA	WDC WD10EARX-22N	975.39	xfs	NO	Mount Format

### Mount External Drive Prompt

The external disk is now accessible to the local network. See Accessing External Disks.

### **Unmounting an External Disk**

To unmount the disk:

- 1. Select Storage -> Disk Manager -> to open the Disk Manager prompt.
- 2. In the External Devices menu, select a volume and click **Unmount** in the Action column. A prompt displays the unmount procedure in progress.

After a successful Unmount, the Action column displays the Mount option in the target volume.

External Devices

Manufacturer	Device	Capacity[GB]	File Type	Mount	Action
ATA	WDC WD10EARX-22N	0.205		NO	Mount Format
ATA	WDC WD10EARX-22N	0.102		NO	Mount Format
ATA	WDC WD10EARX-22N	1.049		NO	Mount Format
ATA	WDC WD10EARX-22N	975.39	xfs	YES	Unmount Format

### **Unmount External Drive Prompt**

### Formatting an External Disk

### **IMPORTANT:**

The formatting process deletes any data on the disk. Make sure you backup your data before proceeding. Do not power off or reboot the system to prevent damage.

To format the disk:

External Devices

- 1. Select **Storage** -> **Disk Manager** -> to open the Disk Manager prompt.
- 2. In the External Devices menu, select a volume and click **Format** in the Action column.
- 3. A prompt displays to verify the procedure.
- 4. Click **OK** to continue with the Format or **Cancel** to return to the previous menu.

Manufacturer	Device	Capacity[GB]	File Type	Mount	Action
ATA	WDC WD10EARX-22N	0.205		NO	Mount Format
ATA	WDC WD10EARX-22N	0.102		NO	Mount Format
ATA	WDC WD10EARX-22N	1.049		NO	Mount Format
ATA	WDC WD10EARX-22N	975.39	xfs	NO	Mount Format

### Mount External Drive Prompt

### Note:

New disk volumes (previously unformatted) are formatted using the XFS file system. Otherwise, the formatting process uses the current file system or NTFS on the disk volume.

### **Accessing External Disks**

External drives are accessible by users through the network. To provide users access to the drive, the drive must be mounted. See *Mounting an External Disk*.

To access an drive:

- 1. Open a file explorer window on your desktop.
- 2. In the address bar, enter the OMNINAS device's IP address as follows (whereas 192.168.1.222 is the designated IP address of your device):

\\192.168.1.222

3. Press the **Enter** key to access the external drive.

Accessible files are displayed in the explorer window.



### **Network Shared Folders**

### Note:

For purposes of this instruction, a Windows operating system was used for the procedures.

# **Network Management**

This section provides information and guidelines to configure your Wi-Fi and network settings.

### Note:

Wi-Fi function is only available on the KD22 model.

Before beginning configure your Network settings, see Configuring Network Settings.

# **Configuring Network Settings**

In the main menu under Settings, click on **Network** to change the network configuration. You are prompted to enter an OMNINAS name and Workgroup. Assign a static IP address or select DHCP to allow your router to assign one.

Before beginning, fill in the Name and Workgroup fields.

A suggested naming convention for the device name is to assign the name by the location or particular use for the OMNINAS device, for example: MediaNAS, Music-NAS, or Family-NAS.

The workgroup is a collection of computer on a defined network. You will need to know the name of the specific workgroup to assign this name.

# **DHCP Settings**

### Note:

Your router must be DHCP enabled.

- 1. In Settings, click the Network tab.
- Click Automatically assign IP address (DHCP) to have your router designate an IP address.

3. Click **Save** to set the new configuration.

Your Own Private Cloud		English 💌 😡 💽
Settings 💥 Storage 🚍	SWI-FI	Image: Network         Image: Date & Time         Image: General         Image: About           Image: Date & Time         Im
Share ← USB + ← Backup 📥	OMNINAS KD22 Name: Workgroup:	nas123456 WORKGROUP
BT Download 🕮 Share Box 🕾 Media Server 🔝	Supports Energy Efficient Ethernet Automatically assign IP addres Manually assign IP address	(IEEE 802.3az) O Enable O Disable
	IP Address : Subnet Mask : Default Gateway : DNS Server 1 :	192.168.1.121 265.255.255.0 192.168.1.1 192.168.1.1
	DNS Server 2 : If the OMNINAS name has been ch OMNINAS name displayed.	168.95.1.1 anged, you may need to rescan in order to see the latest
		Save

Setting Network Configuration

# Static IP Settings (Manual)

Before you begin, write down the new IP address, subnet mask, gateway and DNS settings to provide you with a reference after the system resets.

- 1. In Settings, click the Network tab.
- 2. Click Manually assign IP address to set the IP address.
- 3. Enter the IP address, Subnet Mask, Default Gateway, and DNS server settings.
- 4. Click **Save** to set the new configuration.

# **Configuring Wi-Fi Settings**

The OMNINAS provides wireless connectivity as an Access Point (AP). By setting up the OMNINAS as an AP, your wireless devices can connect to the OMNINAS.

In the main menu under Settings, click on **Wi-Fi** to change the wireless network configuration. This mode is available as an Access Point (AP) for all users under the same subnet group in the network.

Main features:

PC/notebook computer users can connect to Wi-Fi through the OMNINAS AP mode.

Smartphone users can connect to Wi-Fi

through the OMNINAS AP mode.



### **Microsoft Windows System**

Settings Wi-Fi Wi-Fi Choose a Network... guest 1 ? 🜔 OMNINAS-6084FC - 🗢 💽 ✓ OMNINAS-608513 1 ? 🜔 Other... > Ask to Join Networks OFF Known networks will be joined automatically. If no known networks are available, you will have to manually select a network.

iOS device

### **Wi-Fi Settings**

- 1. Select Settings -> Wi-Fi to access the settings menu.
- 2. In the Wi-Fi SSID field, enter a name. This is the name that is broadcast. Select a name that identifies the device.

### Note:

Do not enter an SSID name that reveals your identify or location for best security practices.

- 3. In the Encryption Method field, select an encryption standard from the following: No, WEP 64 bits, WEP 128 bits, WPA, WPA2 (default, recommended), and WPA-mixed.
- 4. In the Password field, enter the password that users will enter to connect to the OMNINAS. The password must be longer than eight characters.
- 5. In the Band field, select the bandwidth from the following: B/G/N (default, recommended), B/G, G/N, B, G, or N.

Your Own Private Cloud	English 💽 🕞
Settings 💥	Wi-Fi SNetwork CDate & Time General About
Storage 🚍	■ Log ● Factory Reset ● Firmware Update ■ FTP Server
Share ↓ USB • Backup ★ BT Download ♥	Wi-Fi Setting       Wi-Fi Mode     Wi-Fi Access Point       Wi-Fi MAC Address     64:5A:04:03:79:46       Wi-Fi SSID     OMNINAS-6084F6       Encryption Method     WPA2
Share Box 🕋	Band (2.4GHz) B/G/N
Media Server 🚉	Channel Width 40MHz
	Channel No. Auto  Save

**Settings Wi-Fi Configuration** 

- 6. In the Channel Width field, select the bandwidth delivery setting: 20MHZ or 40MHZ.
- 7. In the Channel No. field, select the frequency for your Wi-Fi broadcast: Auto (Default), 1, 2, ... 11.
- 8. Click **Save** to save your settings.

The new settings may take a few seconds to update.

Once setup, any user within the same subnet of your network can select the OMNINAS device in their network.

## **Connecting to Wi-Fi**

Once the Wi-Fi settings are configured, Wi-Fi enabled devices, such as: notebook computers, smart phones, or tablet devices, can join the OMNINAS network.

# **Power Management**

The power management feature of the OMNINAS allows you to setup a power saving policy to help you conserve energy when your device is not in use. Through power management you can set the power saving mode, power recovery policy, fan control behavior, and setup a power on/off schedule.

# **Setting Up Power Management**

To setup the power management:

- 1. In Settings, click the General tab.
- 2. The Power Management section displays.
- 3. Select the power saving time setting (0 to 300 minutes) from the drop-down menu.
- 4. In Power Saving Mode, select Suspend or **Power Off**. Suspend reverts the device to a lower power setting, while Power Off powers down the device.
- 5. In Power Recovery, select **Auto restart after power failure** to have the device automatically power up after a power failure event. This feature allows the device to stay powered on for use by remote users.

The Wake-On-LAN (WoL) function allows you to remotely wake up your OMNINAS from a low power mode or powered down state. The function can be used to wake up the device for use by FTP, Share Box, and the Media Server services.

6. Select **Enable Wake-On-LAN** to enable the function.

### Note:

For remote access to WoL, the supplied AC adapter must be connected and supplying power to your device and the network settings on your device must be configured to allow for Internet access.

- 7. In Fan Control, select **Auto** or **Always On** to configure the device's fan behavior. Auto allows the fan to power up when the system temperature increases, while Always On keeps the device's fan on a constant powered on state.
- 8. Click **Save** to complete the power management configuration settings.

Settings 💥	FTP Server	Network ODate & Ti	ime SGeneral About		
Storage 🚍		Log Factory	Reset Firmware Update		
Share 숙	Administrator Password				
USB⊷⇔	Password:				
Backup 📥	Password (Confirm):				
BT Download 🖽	Code Page:	United States/Canada	•		
Share Box 🕮		Save			
Media Server 📠	Power Management Power Saving Time Setting (minutes): Power Saving Mode: Power Recovery: Fan Control:	(minutes): 10 Suspend Power Off Auto restart after power failure Enable Wake-On-LAN Auto Always On Save			
	Set Power On/Off Schedul	e	Item list Item setup		
	Time	Power On/Power	r Off Action		
	Delete the whole list				

**Power Management Prompt** 

## Setting Up a Power On/Off Schedule

To setup the power on/off schedule:

- 1. In Settings, click the General tab.
- 2. The **Set Power On/Off Schedule** menu displays. Select the Item Setup tab, and select one of the following:
  - Power On: click to create a power on schedule.
  - Power Off: click to create a power off schedule.
- 3. From the **Time** drop-down menu, click on an option to setup a day(s) of the week or a daily schedule.
- 4. Click the hours and minutes (24 hour clock) drop-down menu to setup a specific time.
- 5. Click Save to create the schedule.

### Note:

The Hours and Minutes fields are required. The new schedule is listed in the **Item list** menu.

Set Power On/Off S	Item list	Item setup	
Pow	er On/Power Off: 🖲 Power C	On 🔘 Power Off	
Time :		•	
	<ul><li>Daily</li><li>Sun</li><li>Mon</li></ul>		

#### Set Power On/Off Schedule Prompt

Through power management scheduling, you can setup a complete power on/off schedule for an entire week to help you save energy without comprimising convenience.

Time	Power On/Powe	er Off	Action
Mon, Tue, Wed, Thu, Fri 21:00	Power Off	Edit	elete
Mon, Tue, Wed, Thu, Fri 08:00	Power On	Edit	elete

**Power Management Prompt** 

In this way, you can setup a complete power on/off schedule for an entire week.

# Editing/Deleting a Set Power On/Off Schedule

To edit/delete a created list item:

- 1. In Settings, click the General tab.
- 2. The Set Power On/Off Schedule menu displays. Select the Item Setup tab.
- 3. Select a schedule and click on one the following:
  - Edit to modify the event.
  - **Delete** to remove the event. A confirmation prompt displays, click **OK** to continue with deletion.
  - **Delete the whole list** to remove the event. A confirmation prompt displays, click **OK** to continue with list deletion.

Time	Power On/Power	Off	Action
Mon, Tue, Wed, Thu, Fri 21:00	Power Off	Edit	Delete
Mon, Tue, Wed, Thu, Fri 08:00	Power On	Edit	Delete

Edit/Delete Power On/Off Schedule Prompt

# Share Management

The Share function from the main menus provides access to folders. The Share function allows access to Add Folder and Folder List.

# **Adding Folders**

You can create private or public shared folders by using the folder share function. Add Folder allows you to create a new folder (Public or private).

	Add Folder	Folder List	🚯 Add User	🛞 User List
<ul> <li>O All Users</li> <li>O Specified Us</li> </ul>	er			
	Save Ca	ancel		
	<ul> <li>● All Users</li> <li>● Specified Us</li> </ul>	Add Folder  Add Folder  Add Folder  Add Folder  Save C	<ul> <li>Add Folder</li> <li>Folder List</li> <li>O All Users</li> <li>O Specified User</li> <li>Save Cancel</li> </ul>	Add Folder ist & Add User

### Share Adding Folder Screen

## **Creating a Public Folder**

To create a Public folder:

- 1. In Share, click on Add Folder tab.
- 2. Enter a folder name and description.
- 3. Click All Users under Share Access.
- 4. Click Save.

You are automatically redirected to the Folder List and the new folder appears.

### **Creating a Private Folder**

To create a Private folder:

- 1. In Share, click on Add Folder tab.
- 2. Enter a folder name and description.
- 3. Click Specified User under Share Access.
- 4. Choose the level of access for each user.

Folder Name:				
Description:				
Permissions: Valid User	◯ All Use ⊙ Specifi	ers ed User		
Permissions: Valid User User N	◯ All Use ⊙ Specifi ame	ed User Full Access	Read Only	None
Permissions: Valid User User N admin1	O All Use Specifi ame	ed User Full Access	Read Only	None

Adding a Private Folder

5. Click Save.

You are automatically redirected to the Folder List and the new folder appears.

### Note:

Private folder priviledge settings: None (default). The private folder settings apply to all functions including mapped drives, Share Box and iOS/Android APP software.

Android users refer to Accessing a Private Folder.

iOS users refer to Accessing a Private Folder.

# **Viewing Folder Lists**

Folder List provides a view of all folders. The Folder List allows you to Edit and Delete existing folders.

	Add Folder	der List	Mdd User 🚺 User
Status	Folder Name	Public	Action
<b>~</b>	Folder1	No	Edit Delete
V	Private1	No	Edit Delete
<b>~</b>	disk	Yes	
	iTunes	Yes	



# **Editing Folders**

1. In the Folder List tab, select a folder and click Edit to make changes.

You can change the share attribute (private, public), user access rights or basic description.

2. Click Save.

Status	Folder Name	Public	Action
~	Folder1	No	Edit Delete
~	Private1	No	Edit Delete
<b>~</b>	disk	Yes	
<i>w</i>	iTunes	Yes	

**Editing Available Folders** 

### **Deleting Folders**

Public and private folders can be deleted from the folder list. System default folders are permanent and are not available for deletion.

### **IMPORTANT:**

Once a folder is deleted the data stored within the folder is deleted as well. After deletion, creating folder of the same name will not restore the lost data.

1. In the **Folder List** tab, select a folder and click **Delete**.

Status	Folder Name	Public	Action
*	Folder1	No	Edit Delete
~	Private1	No	Edit Delete
<b>~</b>	disk	Yes	
~	iTunes	Yes	

### **Deleting Available Folder**

- 2. A prompt displays, click OK to continue or Cancel to return to Folder List.
- 3. A confirmation prompt displays, click **OK** to continue or **Cancel** to return to Folder List.
- 4. The system beeps and returns to the Folder List screen. The folder is deleted.

# **USB Management**

The USB management function allows you to setup Printer Settings and Auto Copy for devices connected to the OMNINAS through the USB ports.

# **Printer Setting**

You can enable or disable connected USB printers in the Printer Setting menu.

### Note:

A USB printer must be connected prior to the following instructions.

1. From the Home menu, select **USB** and click **Printer Setting**.

All connected printers are visible in the Printer Setting menu.

2. Select **Disable** from a printer to disable network discovery.

		Printer Setting
Disable N	lame Manufact	urer Model
HPLaser,	Jet1_u Hewlett-Packa	rd HP LaserJet 1020

### **Disabling Printer**

Once a printer is enabled for network discovery, the printer is visible to users within the same subnet. Users can install the printer to their local computer. Printer drivers may be required for installation.

# Adding a Printer in a Windows System

- 1. Connect the printer to a USB port. We recommend connecting to a USB2.0 rear port. See Rear View.
- 2. Login in to the web interface and make sure the printer function is not disabled. See Disabling Printer in the previous figure.
- 3. On the Windows Start menu, choose Devices and Printers.



Start Menu

4. Press the Add a printer button.



### Add a Printer

5. Select the second option: Add network, wireless or Bluetooth printer.



#### **Add Network Printer**

6. Look for a printer name starting with the OMNINAS name. Select the printer name and press the Next button.

	The model and a	
Finter Name	Address \\KD20-001\HPLaserJetP_u	
	2	itop

**Select a Printer** 

7. If Windows cannot find the corresponding driver, the following error message appears, indicating that it is necessary to install the driver.



### **Connect to Printer**

8. Press **OK** to continue.



### **Install Printer Driver**

9. Either select the printer driver with the printer wizard or install it from the driver disc.



### **Confirmation Message**

### Note:

This procedure may vary depending on your Windows operating system.

# Adding a Printer in a Mac OS System

1. Open the System Preferences and press the Print and Scan button.



**Open System Preferences** 

2. Press the + button on the left then adding the new printer.



Add a Printer

3. Press the Windows button and select the KD21/KD22 network group. Choose a printer name starting with OMNINAS (or your KD21/KD22 name) and select the driver to add into the print software area. A driver is required prior to installing a printer.

	Add Printer	
shuttle workgroup	IP Windows Se ▶ kd20-001 ► HPLa ►	iserJetP_u
Name:	HPLaserJetP_u	
Print Using	Choose a Driver or Printer Model Auto Select Generic PostScript Printer Generic PCL Printer Select Printer Software	
	Other	

### **Install Printer Driver**

4. Select a printer driver.

			a	
000	Printe	r Software	1	
		O Siltor		
	251152	Gritter		
HP ENVY 110 serie	25			
HP LaserJet CM141	10 Series. Fax			
HP LaserJet M1522	MFP Series. Fa:	x		
HP LaserJet M1530	MFP Series. Fa:	×		
HP LaserJet M2727	7 MFP Series. Fa:	x		
HP LaserJet Profes	sional P1100, 5.	.0		
HP LaserJet Profes	sional P1100w,	5.0		
HP LaserJet Profes	sional P1560, 5.	.0		
HP LaserJet Profes	sional P1600dn.	, 5.0		
HP LaserJet Series	PCL 4/5			
HP LJ 300 color Mi	FP M375. Fax			
HP11400 color Mi	FP M475 Fax			

### **Select Printer Driver**

#### USB MANAGEMENT

5. Successful installation adds the printer to the display, completing the setup.



### **Complete Setting**

### Note:

The previous procedures may differ slightly between OS versions.

# **Auto Copy**

You can enable or disable auto copy from your SD or USB 3.0 (front side port) to a designated folder on the device by configuring the Auto Copy settings. Once enabled, you can insert a USB device, including a PTP camera, or SD media and the OMNINAS automatically copies the contents from the source device to the designated folder on the OMNINAS.

	Printer Setting
Auto copy from SD	◯ Enable
	Select NAS destination folder 🛛 disk 🛛 👻
Auto copy from USB3.0 port	◯Enable ⊙Disable
	Select NAS destination folder disk 🛛 🖌
** To perform auto copy, please r	emove all backup jobs on SD or USB3.0 port.
Auto copy from PTP camera	◯Enable ⊙Disable
	Select NAS destination folder 🛛 disk 🛛 💌
	Delete the photos from the camera automatically after auto copy completed
PTP Camera List	
Manufacturer	Model
	Save

### **Setting Up Auto Copy Function**

- 1. From the Home menu, select USB and click Auto Copy.
- 2. In the Auto copy from SD option, select **Enable** to allow the auto copy function from an inserted SD media.
- 3. Click the destination folder from the drop-down menu and select the destination folder. Once an SD media is connected to the OMNINAS, the data is copied to the selected folder.
- 4. In the Auto copy from USB3.0 port option, select **Enable** to allow the auto copy function from an inserted USB device.
- 5. Click the destination folder from the drop-down menu and select the destination folder. Once a USB device is connected to the OMNINAS, the data is copied to the selected folder.
- 6. In the Auto copy from PTP* camera, select **Enable** to allow the auto copy function from an connected PTP camera.
- 7. Click the destination folder from the drop-down menu. Once a PTP camera is connected to the device, the data is copied to the selected folder.

*Picture Transfer Protocol (PTP) is supported in all new digital cameras as well as Windows, Mac and Linux.

### Note:

Older camera models may not support this function. See your camera's user manual for further details.

- 8. Click the option **Delete the photos from the camera automatically after auto copy completed** to delete media from the PTP camera after transfer the data.
- 9. Click **Save** to finalize the configuration.

Auto copy from SD	O Enable 💿 Disable		
	Select NAS destination folder	disk	*
Auto copy from USB3.0 port	O Enable 💿 Disable		
	Select NAS destination folder	disk	*
** To perform auto copy, please	remove all backup jobs on SD or U	disk iTunes test1 Private1	
Auto copy from PTP camera	O Enable 💿 Disable	Test2	
	Select NAS destination folder	disk	*
	Delete the photos from the after auto copy completed	camera :	automaticall
PTP Camera List			
Manufacturer	Model		

Selecting a Target Folder for Auto Copy

# System Log

The Log function under Settings provides a list of history on system and user activities. The Log function allows access to Clear All Logs, Next Page and Last Page. Clear All Logs deletes all log entries.

To view logs use Next Page, Last Page and scroll bars.

Your Own Private Cloud	English 💌 🔂 💽
Settings 💥	SWI-FI SNetwork Date & Time General About
Storage 🚍	Log OFactory Reset Optate FIP Server
Share 숙	
USB⊷⇔	2013-05-07 15:06:17 BT download service has started. 2013-05-07 08:35:57 Set Success
Backup 📥	2013-05-06 17:30:01 Failed to calibrate by NTP 2013-05-05 17:30:01 Failed to calibrate by NTP
BT Download +	2013-05-04 17:30:02 Failed to calibrate by NTP 2013-05-03 17:30:01 Failed to calibrate by NTP 2013-05-03 14:30:11 Investigate to proceed an accurate
Share Box 🌰	2013-05-02 17:34:11 Succeeded in calibrating by NTP 2013-05-02 17:34:11 Succeeded in calibrating by NTP
Media Server 📠	2013-04-30 18:23:13 Adding of new folder completed Test2 2013-04-30 17:31:43 It is already the newest DDNS information.
	2013-04-30 17:31:16 Set Success 2013-04-30 17:30:58System_is_NAS_Mode 2013-04-30 17:30:22System_is_Booting
	2013-04-29 22:25:53 Rescanning of media server database completed. 2013-04-29 22:25:53 Start to rescan media server
	2013-04-29 22:15:18 It is already the newest DDNS information. 2013-04-29 22:14:51 Set Success
	2013-04-29 22:14:35System_is_two_mode 2013-04-29 22:14:15System_is_Booting
	Clear All Logs << First Page Previous Page Next Page Last Page>>

System Log Screen

# **Clearing Logs**

To clear the log history, click on **Clear All Logs** in the Log tab.

# System Backup

The Backup function allows you to view and setup backup schedules, settings lists and logs.

Your Own Private Cloud	English 💽 🔂
Settings ¥ Storage ■ Share ↓ USB • ← Backup ↓ BT Download I Share Box I Media Server I Media Server I	Image: Backup Log       Image: Backup Setting List       Image: Backup Setting List         2012-07-15       16:23:04       Succeeded in calibrating by NTP         2012-07-14       16:23:04       Succeeded in calibrating by NTP
	Clear Backup Log       <         First Page       Previous Page         Next Page       Last Page>>

**Backup Log Screen** 

# Setting Up Backup Schedules

The Backup Setting function allows you to add a scheduled backup.

- 1. Select **Backup** and click on the **Backup Setting** tab.
- 2. Select the source folder on the OMNINAS. In the description field, you can add a note to help you define this backup.
- 3. In the Description field, enter a name to assign this job.

4. Select the backup destination (external devices or a second OMNINAS device in the same subnet).

	Backup Log	Backup Setting List	Backup Setting
Backup from OMNINAS KD22 to Extern	al Devices		-
Select OMNINAS KD22 Source : d	lisk 🖌 🙎		
3 Description:			
(Name of the backup job, max. 64 c Select your backup destination: Backup to External Devices No USB device found Backup to NAS	haracters or less.)		
Host:		Scan NAS	
User Name:			
Password:			
5 Time of Execution Weekdays: Mon Tue Weekdays: Hours Minutes: 14 Hours 0	d 🗆 Thu 📄 Fri 📄 Sa Minutes Confirm Backı	t ⊡ Sun µp Now	

### **Creating a Backup Entry**

### **External devices:**

Select the external device from the Backup to External Devices list.

### **OMNINAS Device:**

Click **Scan NAS** to search for a device within your network. Select a discovered device.

- Alternatively, enter the host name, user name, and password of the second device.
- 5. In Time of Execution, select the day(s) and time to initiate the job.
- Click **Confirm** to setup weekly backup according to the predefined schedule. You can also click **Backup Now** to begin a backup job.

# **Editing Backup Schedules**

You can use Backup Settings List to edit or delete current backup schedules in the task list.

1. Click Edit on a backup schedule.

The Backup Setting screen displays.

	0	Backup Lo	g   🤅	Backup	Setting	List 🔄 😂 Backup Sett
Delete the w	hole list					
Backup Source	Backup Destination	Weekdays	Hours	Minutes	Status	Action
test1	USB HDD:usbdisk-	Tue	23	0	waiting	Edit Delete

### Modifying a Backup List

2. Modify the schedule and click **Save Backup Setting**.

A beep sounds and an Update Settings Completed prompt displays. The task is complete.

# **Deleting Backup Schedules**

- 1. Click **Delete** from the Action list to delete a scheduled backup.
- 2. A confirmation prompt displays, click **OK** to delete or **Cancel** to return to the Backup Setting List.

Or

3. Click **Delete the whole list** to delete all scheduled backups.

A confirmation prompt displays, click **OK** to delete or **Cancel** to return to the Backup Setting List.

Delete the w	hole list					
Backup Source	Backup Destination	Weekdays	Hours	Minutes	Status	Action
test1	USB HDD:usbdisk- 10_1	Tue	23	0	waiting	Edit Delete

### Modifying a Backup List

# **Viewing Backup Logs**

To view a history list of backup tasks, select Backup Log tab. Use the First Page, Previous Page, Next Page, or Last Page to cycle through your history list.

	Backup Log	Backup Setting List	Backup Settin
2012-07-17 22:52:24 2012-07-17 22:52:23 2012-07-17 22:52:23 2012-07-17 22:52:18 2012-07-17 22:52:16 2012-07-17 22:52:16 2012-07-17 22:52:15	USB:disk→/dev/sdd1 Sud from disk to /dev/sdd1 Start to backup, Adding backup now setting USB:disk→/dev/sdd1 Sud from disk to /dev/sdd1 Start to backup, Adding backup now setting	cceeded in doing a backup so gs completed. cceeded in doing a backup so gs completed.	chedule
Clear Backup Log	< <first page="" previous<="" td=""><td>Page Next Page Last</td><td>Page&gt;&gt;</td></first>	Page Next Page Last	Page>>

**Viewing Backup Logs** 

To clear Backup Logs, click Clear Backup Log.

# **Acronis Backup Software**

The OMNINAS system includes the Acronis Backup software. The software allows you to back up your disks and files, recover system and files, or perform a sync function.

First install the Acronis software (found in the accessory box). After the installation process is complete, a Getting Started tutorial displays, see the following figure.

Full functionality of the software is only available after software activation. See Getting Started in the Acronis software main menu.

From the Backup and recovery tab, you can create backup sessions which allows for the updating, editing, deleting, and recovery of those sessions.



**Acronis Backup Software Prompt** 

### Note:

Acronis software supports backup of files, folders, and drives.

# Windows Backup

1. Click the Back up your computer to enter the backup page.



**Open Windows Backup Setting** 

#### SYSTEM BACKUP

2. Click the Set up backup to continue.

Control Panel Home	Back up or restore your files	
🚱 Create a system image	Backup	
Create a system repair disc	Windows Backup has not been set up.	Set up backup
	Restore	
	Windows could not find a backup for this computer.	
	PSelect another backup to restore files from	
	Recover system settings or your computer	

### Set Up Backup

3. Click Save on a network location to display the network location page.

Select where you want to save your	backup	
Ve recommend that you save your backup on lestination	an external hard drive. <u>Guidelines f</u> i	or choosing a backur
ave backup on:		
Backup Destination	Free Space	Total Size
	Sav	e on a network
Refresh		

### Select Backup Destination

4. Click Browse For Folder to select a location folder.

Select a netw	ork location				
Specify the netwo use when accessi	rk location for your backup f ng the location.	les and provide crede	entials for Wir	ndows Backup t	0
Network Location					
				Browse	
Example: \\server	\share				
 Example: \\server Network credenti	\share als				
 Example: \\server Network credenti Windows Backup your backup. <u>Wh</u> i	\share als will need the username and p <u>ch credentials should I enter?</u>	assword to access th	e network loc	ation when sav	ing
Example: \\server Network credenti Windows Backup your backup. <u>Whi</u> Username:	\share als will need the username and ch credentials should I enter?	assword to access th	e network loc	ation when sav	ing
Example: \\server Network credenti Windows Backup your backup. Whi Username: Password:	\share als will need the username and p ch credentials should ] enter?	assword to access th	e network loc	ation when sav	ing
Example: \\server Network credenti Windows Backup your backup. <u>Whi</u> Username: Password:	\share als will need the username and p ch credentials should ] enter?	password to access th	e network loc	ation when sav	ing

### Select Network Location

3-55

5. Select the target folder and click OK.

Select a netwo		
pecify the netwo use when accessi	Select the folder where you want to save the backup.	ows Backup to
Network Location	Image: Second	
xample: \\server	MARS-NBA14HVIC	rowse
letwork credentia	DI MINAS-3AD5EA	
Vindows Backup our backup. <u>Whi</u>	OMNINAS-434288     Backup	ion when saving
Jsername:	→ disk ▼	
assword:	OK Cancel	

### Select Target Folder

6. Enter your KD21/KD22 share folder username and password then click OK.

Select a n	etwork location		
pecify the n use when ac	etwork location for your b essing the location.	ckup files and provide crede	ntials for Windows Backup to
Network Loc	ation:		
\\OMNINAS	-4342B8\Backup\		Browse
	14/1 1 1 1 1 1 1 1 1		
your backup Username:	Which credentials should	enter?	

**Enter Username and Password** 

#### SYSTEM BACKUP

7. Confirm the backup destination setting then click Next.

elect where you want to save your ba	ackup	
Ve recommend that you save your backup on an <u>estination</u>	external hard drive. Guidelines	for choosing a backu
ave backup on:		
Backup Destination	Free Space	Total Size
\OMNINAS-4342B8\Backup\		930.08 GB
Local Disk (D:)	8.08 GB	51.39 GB
DVD RW Drive (E:)		
Refresh	Sa	ve on a netwo <mark>r</mark> k
A system image cannot be saved on this lo	cation. More information	

**Confirm Backup Destination** 

8. Select a mode then click Next.

🛃 Set up backup
What do you want to back up?
Let Windows choose (recommended)
Windows will back up data files saved in libraries, on the desktop, and in default Windows folders. These items will be backed up on a regular schedule. <u>How does Windows choose what files to back</u> up?
Let me choose
You can select libraries and folders and whether to include a system image in the backup. The items you choose will be backed up on a regular schedule.

### Select Backup Mode

9. Review your backup settings then click Save settings and run backup.

10. The backup process starts.

Review your back	cup settings	
Backup Location:	\\OMNINAS-4342B8\Backup\	
Backup Summary:		
Items		Included in backup
Schedule:	Every 星期日 at 下午 07:00 <u>Cha</u>	inge schedule

Save Settings and Run Backup

11. Click View Details to view the current progress.

a 🕹 🔓	ickup in progress	🛞 View Details	2 Windows Backup5% complete	×
ckup			Windows Backup is currently in progress	
Location:	Network path: \\OMNINAS-434288\Backup	Back up now	-	
- Contraction of the second se	930.07 GB free of 930.08 GB		Creating a chadow conv.	
	Backup size: Not Available		creating a matow copy	
	😵 Manage space			
Next be always	1		Open the Backup and Restore Control Panel to view settings	
Lact backup.	Never			
Contents:	Files in libraries and nersonal folders for all users			
Schedule:	Fireny 屋相日 at 下午 07:00			Stop backup
Schedule	Change settings			
store				
You can restore y	your files that were backed up on the current location.	Restore my files		
Restore all use	ers' files			
Select anothe	r backup to restore files from			

### **View Backup Process**

# **Mac OS Time Machine**

1. From the Shared listing, select your OMNINAS device.



Start the Time Machine

- 2. The login prompt displays. Enter your user name and password.
- 3. Click Connect to continue.

The shared folders windows displays. Your OMNINAS device is now available as an external drive for Time Machine.



**Enter Username and Password**
4. Open the Time Machine function on your Mac OS device.



**View Folders After Connection** 

5. Click Use as Backup Disk to continue.

🗯 Finder File Edit	View Go Window Help					9 ■ 0 * ♡	▲ ♦ Thu 6:14 PM test Q
		<b>.</b>	40. 44 3.0		•	and the second	
		\$ <b>▼</b>	PrivateF1		Q		- A MARTIN ST
FAVORITES	s Media Files	TEST22.1	TEST22.2	TEST22.3	TEST22.4	TEST22.5	Xbench 1.3.d mg
Downloads     Movies     Music     Pictures	TEST22.6	TEST22.7	TEST22.8	TEST22.9	TEST22.10	TEST22.11	Gaifeeminalg Normöyr
MARED OMNINAS- OMNINAS- eileen_che OMNINAS-	41464f ▲ 41465A ▲ n_oa 3AD5F2	TEST22.13	TEST22.14	TEST22.15	TEST22.16	TEST22.17	n Shot 7 PM 20122 PM
omninas-4 omninas-4 test-w832 WDTVLive	1464f 1465a -en TEST22.18	TEST22.19	TEST22.20	TEST22.21	TEST22.22	TEST22.23	n Shót Screen Shot
DEVICES © Remote Dis © Time Mach	sc Ine Back C TEST22.24	TEST22.25	TEST22.26	TEST22.27	TEST22.28	TEST22.29	
40		001				WABNIT 197:36	

## Select Backup Folder

6. Select the target folder and click Use Backup Disk.

System Preferences Edit View W	indow Help	and the second se	9	thu 6:23 PM test Q
000	Time Machine		Screen Shot	
	how All	a	20121 PM	
1	NO NAME 6.94 CB	-AFP	Screen Shot	Xbench_1.3.d mg
	015X 017 00000045-414664"			cuTerminal at
	f1 on "OMNINAS-41464f"		Screen Shot 20126 PM	NUtilityr
Tim	PrivateF1 on "OMNINAS-41465A"			
OFF	Encrypt backup disk     Oo Not Back Up     Cancel     Use Backup D	isk s full.	Scr 201	een Shot Screen Shot 27 PM 20122 PM
and the second sec	Show Time Machine status in menu bar			
Click t	he lock to prevent further changes.	?		
A State of the			Scru 201	een Shot Screen Shot 27 PM 20122 PM

Select Folder for Backup Setting

English

7. Enter your user name and password for the selected OMNINAS shared folder, and click Connect.



Enter Username and Password

The Time Machine function is now enabled and your OMNINAS selected as an external drive.



**Setting Completed** 

# System Configuration

This section provides information and guidelines to specify date and time settings, reboot and power off, reset to factory defaults, and update your OMNINAS firmware.

## **Setting Date and Time**

Change the date and time by using the Date & Time function. Set Time Zone allows you to choose from a list of locations. Set the date and time either through the network time server (NTP) or from a browser.

To set a Network Time Server (NTP)

- 1. Select **Settings**, and click the **Date & Time** tab.
- 2. Select Set system ... time server (NTP).
- 3. Enter the URL address of your selected NTP server(s) in the NTP server 1/2 fields.
- 4. Check Calibration to calibrate Daily, Weekly or Monthly.
- 5. Click Save to keep selected changes.

DMNINAS Your Own Private Cloud	English 💌 🕼 💽
Settings 💥	SWI-Fi SNetwork SDate & Time General About
Storage 🚍	Log OFactory Reset Sirmware Update FIP Server
Share ← USB ⊷⇔ Backup <b>≟</b>	07 May.,2013 15:36:47 Set Time Zone: Taipei (GMT+08:00)
BT Download $\stackrel{@}{+}$ Share Box 🖀	Set system clock using network time server (NTP)     NTP server 1:     ntp.nict.jp     NTP server 2:
Media Server	Calibration     Daily       Date and Time     Set Time from Browser       Date:     2013-05-07       Time:     15 🛛 : 36 <\ldots : 21 <\ldots

**Date & Time Settings** 

Click **Date and Time** to set time from the browser.

- 1. Select Settings, and click the Date & Time tab.
- 2. Select Date and Time.
- Click Set Time from Browser to automatically update Date and Time.
   Or
- 4. Enter the Date by clicking on the drop-down menu and selecting the date.

English

English

- 5. Set the time by selecting from the Hour, Minutes, and Seconds drop-down Time menus.
- 6. Click **Save** to keep selected changes.

	💿 Wi-Fi	Network	🞯 Date & T	ïme 💿 G	eneral	1 About
	ELog	OFactory Rese	et 💿 Firmv	vare Update	FTP	Server
Time Zone				07 May	y.,2013 15:3	18:23
Set Time Zone: Taip	ei		~	(GMT+08:00)		
🔿 Set system clock usin	g network time s	erver (NTP)				
NTP server 1:	nt	p.nict.jp				
NTP server 2:						
Calibration		)aily 🗸 🔽				
<ul> <li>Date and Time</li> </ul>	[	Set Time from Brow	/ser			
Date:	20	013-05-07				
Time:	1	5 💌 : 36 💌 : 2	1 🕶			
		Save				

#### Set Time from Browser Settings

## **Rebooting and Powering Off**

## **Reboot the system**

- 1. Click **Home** to return to the home menu.
- 2. On the home menu, click **Restart (U)** to reboot the system.



**Administrator Home Menu** 

## **Power Off**

The powering off function is activated through the web interface or by pressing the power button.

## Web Interface

- 1. Click **Home** to return to the home menu.
- 2. On the home menu, click **Shut Down (U)**.

## **Power Button**

On the front panel, press () for three seconds.

The system beeps and begins the powering off process, the LED starts to blink blue (within one minute).

## Note:

Pressing the Power LED for less than a second disables the blue status LED. Pressing the Power LED a second time (less than a second) enables the blue status LED.

## **Reset to Factory Default**

Reset function sets the administrator user name and password and all stored data to factory defaults. Make sure you backup your data before proceeding with this function.

After the Factory Reset is initiated, the device reverts to the initial Wizard setup. See OMNINAS Wizard.

## **IMPORTANT:**

Web interface reset function will erase all data and preconfiguration settings.

## Web Interface Reset

Click on Factory Reset to restore factory default.

Your Own Private Cloud	English 💌 🔂 🕒
Settings 💥	SWi-Fi SNetwork Date & Time General (About
Storage 🚍	Log OF Factory Reset OF Firmware Update FTP Server
Share 🔷	
USB⊷⇔	Caution:
Backup 📥	Press [Reset] will erase all data and settings. Please make sure all data has been backed up!
BT Download 🕂	Reset
Share Box 🕮	
Media Server 📠	

## **Factory Reset Screen**

## Hardware Reset

Hardware reset is available to clear the administrator username, password and restore the network setting default (DHCP Automatically assign IP address) profiles. This procedure does not delete the data from the hard disks.

Make sure the OMNINAS is powered on before starting a hardware reset.

## **IMPORTANT:**

The Web interface password is reset (no admin password) by default.

- 1. Locate the Reset button on the back of the device.
- 2. Insert a thin tool and press the button in for three seconds.



## **Reset Button Location**

- After a beep sounds, release the button. The system reboots.
- 4. Use the default user name (admin)/password (no password) to log in the administrator mode. See *Connecting Your OMNINAS*.

## **Updating Firmware**

Firmware Update provides an easy method to update the system's firmware.

## CAUTION:

Do not power down or disconnect the power cord during a firmware update to prevent damage to the system.

Before you begin, download the latest firmware from the following site:

http://global.shuttle.com/download/download

From the support site, select your OMNINAS type and select your respective firmware update. Download it to a local folder. The firmware file is packaged in a compressed format. It is not necessary to unzip the file.

1. In **Settings**, select the **Firmware Update** tab, click **Browse** to select a firmware image (previously downloaded from Shuttle support).

A Windows Explorer window opens.

- 2. Navigate to the folder containing the new firmware. Select the new firmware and click **Open**.
- 3. Click **Update** to begin the update process.

Your Own Private Cloud	English 💌 🕞
Settings 💥	SWi-Fi SNetwork Date & Time General About
Storage 🚍	■ Log OFactory Reset Sirmware Update FTP Server
Share 🖵	
USB • 🚭 •	Current Firmware Version : 0.21.20130424.b
Backup 📥	
BT Download 🛱	Click [Dpdwse] to select the conect infinite inflage. Click [Update] to upload the firmware then begin the update process.
Share Box 🕮	Update
Media Server 🟦	

## Firmware Updating Screen

If the selected firmware image is older or the same version as the current firmware, a prompt displays to confirm the updating.

## Note:

Do not uncompress new firmware files. The packaged file is required for the update firmware procedure.

# **Application Services**

This section provides you information on setting up specific applications, including: FTP Server, iTunes Server, BT Download, Remote Access and Media Server.

## **FTP Server**

The FTP Server function allows you to enable or disable ftp functionality on the OMNINAS. Set the port range and select the maximum number of clients that are allowed to connect through the FTP standard.

The service is only available after enabling it on the OMNINAS.

## **Setting Up the FTP Server**

Your Own Private Cloud	English 💌 🔂 🕒
Settings 💥	SWI-FI SNetwork Date & Time General About
Storage 🚍	Log 🕖 Factory Reset 😔 Firmware Update 🐨 FTP Server
Share 🖵	Enable FTP Service
USB+C+	Enable SSL/TLS FTP Service
Backup 📥	Report External IP in FTP Passive Mode
BT Download 💾	O Use Default Range 55552 ~ 55559     Ose Default Range     Ose Default Range
Share Box 🕋	Maximum number of clients 3
Media Server 📠	*Maximum speed limitation on Upload KB/s
	*Maximum speed limitation on Download * : '0' means unlimited for upload or download speed.
	Save

**FTP Server Screen** 

- 1. In Settings, select the FTP Server tab.
- 2. Tick the Enable FTP Service option.
- 3. Tick **Report External IP in FTP Passive Mode** to allow the OMNINAS to open a dynamic port and transmit to the FTP client the FTP server's IP address.
- 4. In the **Maximum number of clients connection** field, select the maximum number of concurrent uploading and downloading files.
- 5. In the **Maximum speed limitation on Upload** field, enter the transfer speed limit* in kilobits per second.
- 6. In the **Maximum speed limitation on Download** field, enter the transfer speed limit* in kilobits per second.

*A figure selection of '0' designates an unlimited transfer speed.

7. For remote FTP, you need to assign port forwarding to port number 21 and also set port range at 55552 and 55559 on router.

The FTP service is now configured on your OMNINAS device. You can use an explorer window or software to access your FTP server.

## Note:

Your router must be configured for port forwarding.

## **IMPORTANT:**

To prevent the unauthorized access of your OMNINAS, protect each of the user and administrator accounts registered to your OMNINAS with a strong password before setting up remote access through the FTP server. The FTP service is accessible through a URL, which can potentially allow malicious users to attempt access to your files unless each user is protected by a strong password.

## Note:

If you receive and error and are unable to connect to the internet, you may need to configure port forwarding. Refer to your router's user manual for further information on port forwarding.

If you are using a proxy, check to see if the proxy configuration may preventing a remote connection.

## Accessing the FTP server

Before you can access the FTP service on your OMNINAS, you must first setup and register the service through the Settings menu. See *Setting Up the FTP Server*.

- 1. From your desktop, open an explorer window.
- 2. In the address bar, type the following: ftp://hostname.omninas.net, whereas hostname is the name given to your device. See **Settings** -> **About**.

🕞 🔍 🔻 🚺 ftp	://hostname.omninas.net	✓
File Edit View	Tools Help	
Organize 🔻 🛛	Burn New folder	III 🔹 🔲 🔞
🔆 Favorites	Name	Dat
📃 Desktop		
	< III	
iten	ns	
		📬 Local intranet

Accesing the FTP Server

 If your FTP service requires user authentication, a prompt displays. Type in the user name and password of an authorized user. See Share -> User List for a listing of authorized users.

Authentication Requ	ired 🛛 🕅
The server ftp://tes username and pas	stkd20.omninas.net:21 requires a sword.
User Name:	user name
Password:	******
	Log In Cancel

#### **Authentication Request**

4. The available shared folders are displayed on your web browser.

## **BT Download**

OMNINAS supports downloading of seed torrents. By using BT Download, you can add tasks and allow them to download through the OMNINAS.

## **Setting Up BT Downloads**

1. In **BT Download**, select the **BT Setting**.

Your Own Private Cloud	English 💽 🔂
Settings 💥	BT Setting BT Download
Storage 🚍	
Share 🖵	Enable BT Download
USB+🚓	Download Time Settings:
Backup 📥	Daily Download Time Slot
BT Download 👫	Save
Share Box 🕮	
Media Server	

Selecting BT Downloads

#### 2. Check Enable BT Download.

#### Note:

If you disable BT Download, all downloads will become inaccessible. After re-enabling BT Download, the downloads list becomes accessible.

3. In Download Time Setting, select the option (Always/Daily Download Time Slot) to designate when downloading can take place.

Always: downloading can begin anytime.

Enable BT Download		
Download Time Settings:		
<ul> <li>Always</li> <li>Daily Download Time Slot</li> </ul>		
	Save	

**Enabling BT Downloads** 

Daily Download Time Slot: downloading can only take place during the designated time slot. Select between from ScheduleA, ScheduleB, and/or ScheduleC to setup the start and end time for downloading to take place.

			BT Setting	BT Dowr
Enable BT Download				
Download Time Settings:				
<ul> <li>Always</li> <li>Daily Download Time Slot</li> </ul>				
ScheduleA	00 💌 : 00 💌		00 - : 00 -	
ScheduleB Start	00 💌 : 00 💌	End	00 - : 00 -	
ScheduleC	00 💌 : 00 💌		00 - : 00 -	
	Save			
	Caro			

**Enabling BT Downloads** 

Select a specific time period and click Save to keep changes.
 Before beginning downloads, you can configure the settings for BT Download.

## **Configuring Preferences**

BT Downloads allows you to specify the maximum rate of concurrent bandwidth allowed for the OMNINAS. The maximum rate is calculated by dividing the uploaded data by the amount of downloaded data.

Set the default download folder, incoming TCP port, encryption, refresh rate, and total bandwidth.

1. In BT Download, click **See** to open settings menu.



**BT Download Screen** 

2. Click **Preferences** to open the Preference screen.

		0 0			1
0	<b>pen</b> Remove Pause	Resume Pause Al	Resume All		Inspector
3	1Transfers			0 bytes/s	1 0 bytes/s
9 9 E	Preferences Total Download Rate Total Upload Rate	-ASAP.[VTV]  connas/disk/conten	.mp4 ts/Bunheads.S01E03.HDT\	/.x264-ASAP.[VTV].mp4)	C
	Sort By	F			

## **Settings Screen**

- 3. In the Preference screen, set the following settings:
  - Download to: select the default folder to save downloads.
  - Start transfers ...: select to begin downloading as soon as the entry is added.
  - Network: set the TCP port (Default: 51413).

## Note:

If modifying the TCP port, make sure the port number is not blocked by your firewall/router.

- Encryption: set this option to enable unencrypted data transfers.
- Limited ... bandwidth: Set the download and upload rates. 500 KB/s is the maximum rate.

Alternatively, you can set these settings by selecting Total Download Rate or Total Upload Rate in the Settings screen.

· Web Client: set the refresh rate for the web client.

Preferences
Add transfers:
Download to: /disk/contents
✓ Start transfers when added
Network:
Incoming TCP Port: 51413
Encryption:
Ignore unencrypted peers
Limit total bandwidth:
✓ Download Rate: 100 KB/s
Upload Rate: 10 KB/s
Preferate Parter 6
kerresh kate: 3 seconds
Cancel Save

#### **Preference Screen**

- 4. Click **Save** to continue or **Cancel** to return to the BT Download menu.
- 5. In Total Download Rate, set the download rate. 0 means unlimited rate. 500 KB/s is the maximum rate.
- 6. In Total Upload Rate, set the upload rate. 0 means unlimited rate. 500 KB/s is the maximum rate.
- 7. In Sort by, select the criteria used to display the downloads (Default: Name).

## **Downloading Files**

1. To download files using BT Download, click 🥏 to open the file selection screen.



## **Opening File Selection**

The File selection screen displays.

2. Click **Choose Files** and select a seed on your local drive.

3. Click **Upload** to add the file to the download task pane or click **Cancel** to return to BT Download.

Uploa	d Torrent Files		
Please	elect a torrent file to u se Files No file c	ıpload: hosen	
		Cancel	Upload

**Opening File Selection** 

## **File Management**

You can view the status and manage the download files by selecting the function buttons on the download task pane.

		7
		<b>(</b> )
8—	Open Remove Pause Resume Pause All Resume All	Inspector 0 bytes/s
	Download File 1 ^{0 bytes of 228.6 MB (0%)}	
9	Paused	

#### File Management Menus

#### **Rear View Identification**

Ітем	Ісом	DESCRIPTION
1	Ø	Opens file selection screen
2		Removes selected file from task list
3		Pause selected download
4		Resume selected download
5		Pause all downloads
6		Resume all downloads
7	1	Opens inspector pane
8	3.	Set preferences
9		Download progress bar
10	C	Resume and pause current download

# English

## **Share Box**

The Share Box function allows you to setup remote access to your OMNINAS using a domain name.

## **Setting Up Share Box**

To enable remote access, see the following:

1. Select **Share Box** to open the Share Box Settings screen.

Your Own Private Cloud			English 💌	<b>B</b>
Settings 💥 Storage 🔳				Share Box Setting
Share ← USB ⊷ ← Backup 📥	Share Box: O on O off Host Name: Password:		.omninas.net	
BT Download 🛱 Share Box 🖀 Media Server 🚉	Password (Contirm): Port: UPnP Support:	3000 @ Yes   No		
		Save		

Share Box Menu

- 2. In the Share Box setting, select on to enable the Share Box (remote access) function.
- 3. In the Host Name field, enter a host name for your server. This is the registered name (unique name) that identifies your OMNINAS.
- 4. In the Password field, enter a password for your server. Enter the password again in the Password (Confirm) field.
- 5. Set the Port (Default: 3200) forwarding number. The port setting ranges from 3200 to 6400.

Share Box: 🖲 on 🔘 off	Invalid host name	or password.	
Host Name:	nastest	.omninas.net	
Password:			
Password (Confirm):	•••••		
Port:	3200		
UPnP Support:	🔘 Yes 🔘 No		

## Configuring Share Box Settings

## **IMPORTANT:**

Make sure the port is open if you select a non-default port number. The port must forward to the fixed LAN IP of the OMNINAS so that connection to the Share Box service is possible. Make sure the port is open if you set a non-default port number.

6. Click **Save** to register. The following message displays after a successful registration process.



Share Box Configuration

## **Accessing Share Box**

Share Box keeps your shared files and media ready and available through any Internet connection. Simply login and get access to all your shared folders.

## Note:

To use Share Box, first create a user. The user name and password is used to log into the function.

1. Open a browser page and enter the following address:

http://www.omninas.net

The following screen appears.



**Enter Your Device Name** 

2. In the Device Name field, type in the host name as set in the Share Box setting. See *Share Box*.

For this example, the host name is: testkd21.

#### Note:

It is not necessary to enter the extension **omninas.net** in the host name field.

## Note:

If you enter error host name/password over 4 times. The Share Box will lock your entry with error message. Please check your host name/password then enter it again after 10 minutes.

3. Click **Connect** to continue.

The Share Box connection page displays, see the following figure.

Your Own Private Clou	Share Box			
Folders	tory /	Size	Type	Modifi
			Connect to AiaXplorer	_
			Enter login/password Login : Password :	
			OK CANC	EL

## Share Box Login Screen

4. Enter the Login and Password of a profile defined in Share Management. See *Adding Users*.

Additionally, you can login to Share Box by typing in the hostname and assigned port number, see following example:

[hostname].omninas.net:[port number] (Whereas the information in [] represents your device settings.

English

English

After a successful login, your OMNINAS device and the shared contents are displayed. See following figure.

Parent Refresh	Thumbs Upload	d <u>N</u> ew Dir	La Do <u>w</u> nload	Eename	<u>С</u> ору	€‡ Move	X Delete	Log out		
disk disk	1						۲			
olders	Filename				Size				Туре	Modified
disk	🚞 contents				4 KB					
- contents	iTunes				134 B				Directory	2012/08/27 09:
11 unes										

#### **Share Box Connection Screen**

The following is a description of the menus found on the remote Share Box menus.

#### Share Box Remote Access Screen

Ісом	Ітем	DESCRIPTION
-	Parent	Click to navigate to the parent folder
J	Refresh	Click to refresh the screen
	Thumbs	Click to set the current folder view settings to Thumb (icon) view
1	Upload	Click to upload the selected file
	New Dir	Click to create a new directory in the current selection
<b>↓</b>	Download	Click to download the selected file.
I	Rename	Click to rename the currently selected file
	Сору	Click to duplicate the currently selected file
$\stackrel{\wedge}{\longleftrightarrow}$	Move	Click to move the currently selected file
X	Delete	Click to delete the currently selected file
>	Logout	Click to log off the current user

#### Note:

Some menu items are only active after selecting a file or image.

## **Uploading Files**

This section provides information on how to upload a file to your server using the Share Box function.

- 1. Log into the Share Box server, see Accessing Share Box.
- 2. In Folders, select the destination folder to upload.
- 3. In the main menu, select **Upload** to open the Upload menu.

Size	Туре	Modified
Size	Туре	Modified
ough of Sox.mp3 4.63 MB	MP3 File	2008/12/05 04:26
d file.mp3 4.63 MB	MP3 File	2008/12/05 04:26
ic file.mp3 4.63 MB	MP3 File	2008/12/05 04:26
o Out.mp3 4.63 MB	MP3 File	2008/12/05 04:26
	f file.mp3         4.63 MB           sic file.mp3         4.63 MB           o Out.mp3         4.63 MB	J file.mp3         4.63 MB         MP3 File           sic file.mp3         4.63 MB         MP3 File           o Out.mp3         4.63 MB         MP3 File

#### **Uploading Files on Share Box**

4. Click **Browse** to open an explorer window on your desktop.

Upload		
#= Browse	music upload file.mp3 (5MB) ,	×
1		
Send		
Close		

#### Browse for a File

5. Select the desired file to upload.

Organize 🔻 🛛 N	lew folder	:== •	· 🔟 🔞
🔶 Favorites	Music library Moon Safari	Arrange by:	Folder 🔻
🧮 Desktop	Name	Contributing artists	Album
	Who Let Milo Out.mp3	NTC	Jan's Pearls
	Mustics.mp3	Dogz	Got Bonez
	Can't Get Enough of Sox.mp3	DG Dog	Barking at Amb
	< [		۴
	File name: Who Let Milo Out.mp3	All Files     Open	▼ Cancel

#### Selecting a File

6. The Upload screen appears, click **Send** to finish the upload process. Alternatively, click the **Cancel** icon **x** to cancel the download.



Completing the Upload

## **Downloading Files**

This section provides information on how to download a file to your server using the Share Box function.

- 1. Log into the Share Box server, see Accessing Share Box.
- 2. In Folders, select the source folder containing the files to download.
- 3. In the file list, select the source file.
- 4. In the main menu, select **Download** to start the downloading.

Downloading starts and the file is downloading to the designated folder on your PC.





#### Web Interface

## **Media Server**

## **Setting Up Media Server**

The Media Server function provides access to your multimedia library. The library is located on the "disk" folder on the OMNINAS. Once enabled all clients within the same network subnet are able to access and play the multimedia.

To enable the Media Server:

- 1. In Media Server, click the Media Server tab.
- 2. In the Media Server option, select Start to enable the Media Server function.
- 3. Click **Save** to complete the setup.

You can also click **Rescan** to update and verify any new setting.

Your Own Private Cloud	English 💽 🔂
Settings 💥	Media Server
Storage 🚍	
Share 숙	After DLNA media server is started, all media clients in the same subnet can play the multimedia files under the "disk" folder on the OMNINAS.
USB•🚓	Media Server:
Backup 📥	Sava Rescan
BT Download 👫	Go To Media Box
Share Box 😷	
Media Server 📠	

## Setting Up Media Server

4. Click **Media Box** to open a browser window and display your active OMNINAS Media Server.

Your Own Private Cloud	/ledia Box		VIDEO	MUSIC	РНОТО	Settings
Settings myTwonky Slideshows	Status myTwonky Version: Twonk	Library at nas1 yServer 7.1.3-1	23456			
	Videos: 0	Songs: 0	Photos: 0			
	Activity Status:	Not streaming				
	myTwonk You are logged	Y.COM				
	Detailed S	Status				Show 🔻

Media Server on Twonky Server

## Note:

Before starting, make sure port 9010 is opened and forwarded to your router before enabling the Twonky service.

Consult your router's manual for more information on the port forwarding section.

To disable the Media Server:

- 1. In Media Server, click the Media Server tab.
- 2. In the **Media Server** option, select **Stop** to disable the Media Server function.
- 3. Click **Save** to complete the setup.

## **Twonky Server**

A Twonky server provides consumer products, game consoles, smartphones, and other DLNAenabled devices with network access to such content as photographs, music, and videos over a network. It acts as a network operator, centrally cataloging content stored on the devices connected the network. It thus makes accessing content simpler and more convenient. There is also an application, Twonky Beam, making this content portable on smartphones, tablets, and other mobile devices.

This document describes configuration of this new Twonky server functionality and shows some simple uses.

To launch the Twonky server:

1. In Media Server, click Media Box to open a browser window and display the OMNINAS Media Box server.

Your Own Private Cloud	English 🔽 🔂 💽
Settings 💥	(1) Media Server
Storage 🚍	
Share 숙	After DLNA media server is started, all media clients in the same subnet can play the multimedia files under the "disk" folder on the OMNINAS.
USB+🛟	Media Server:      Start      Stop
Backup 📥	Save Rescan
BT Download +	Go Te Madia Box
Share Box 🕾	
Media Server 🟦	

## Setting Up Media Server

- 2. The Media Box server displays as shown in the following image.
- 3. The OMNINAS Media Box provides menus for viewing your video, music, and photo library.

Your Own Private Cloud	ledia Box		VIDEO	MUSIC	рното	Settings
Settings myTwonky Slideshows	Status myTwonky Libra Version: TwonkyServe Videos: 0 s Activity Status: Not stre	ry at nas12 r 7.1.3-1 Songs: 0 eaming	23456 Photos: 0			
	myTwonky.co You are logged in as	<b>m</b>				
	Detailed Statu	IS				Show 🔻

Media Server on Twonky Server

WEB INTERFACE

To view your video library:

- 1. From the home screen, click the **Video** menu.
- 2. From the left screen, click the myTwonky menu to view your library.
- 3. From the left screen, click the **Playlists** menu to view your defined playlist files.

To view your music menu:

- 1. From the home screen, click the **Music** menu.
- 2. From the left screen, click the **myTwonky** menu to view your library.
- 3. From the left screen, click the **Playlists** menu to view your defined playlist files.

To view your photo library:

- 1. From the home screen, click the **Photo** menu.
- 2. From the left screen, click the **myTwonky** menu to view your library.
- 3. From the left screen, click the **Slideshow** menu to view your defined playlist files.

## **Configuring Twonky Settings**

The Settings menu allows you to view the Media Box status, configure setup settings, configure sharing settings, enable the aggregate function, and configure the advanced server settings.

To view Status:

From the home screen, click the Settings -> Status menu.

The Status screen displays. From the Status settings menu, you can view the myTwonky library statistics, your logged in profile, and detailed hardware information.

Your Own Private Cloud	/ledi <mark>a Box</mark>		VIDEO	MUSIC	РНОТО	Settings
Settings Status Setup Sharing Aggregation Advanced	Status myTwonky Version: Twonk Videos: 0 Activity Status:	Library at nas' yServer 7.1.3-1 Songs: 0 Not streaming	123456 Photos: 0			
	myTwonk You are logged	Y.COM in as				
	Detailed S	Status				Show 🔻

**Media Box Status** 

To configure Setup:

1. From the home screen, click the **Settings** -> **Setup** menu.

From the Advaned Settings menu, you can secure setting pages, synchronize the multimedia library, compile folders, setup media scan intervals, and enable the restart function.

Your Own Private Cloud	Media Box	VIDEO	MUSIC	рното	Settings
Settings Status Setup Sharing Aggregation Advanced	Server Name				
	Used for settings and navigation tree				
	Navigation Tree				Show 🔻
	Save Changes Cancel				

**Media Box Setup Settings** 

To configure Sharing:

1. From the home screen, click the **Settings** -> **Sharing** menu.

From the Shared Folders, you can select additional server within your network to make available through your library, enable sharing of new media, and view the list of aggregate servers within your network that are also synchronized with your Media Box.

Your Own Private Cloud	ledia Box	VIDEO	MUSIC	рното	Settings
Settings Status Setup Sharing Aggregation <u>Advanced</u>	Sharing Shared Folders Media from the folders below will be a folder. Unchecking the box on the left of If you have another server on your ne media in that folder available for Aggre integration int	vailable to other d will disable acces twork set to displ gation. For more i	evices on your ne s to the media in th ay media from all s nformation on this All Content 1 All Content 1	twork. You can limi nat folder. servers in one colle: feature, please go Types v Brow	the types of media you share from each ction, checking the box on the right will make to the Aggregation menu.

Media Box Sharing Settings

To enable Aggregation:

ÓM

1. From the home screen, click the **Settings** -> **Aggregation** menu.

From the Aggregation menu, you can enable the collection of media from other TwonkyServers within your network. There are three types of modes for the collection of medai: Ignore (Default), Aggregate, and AutoCopy.

DINNINGS M	edia Box	VIDEO	MUSIC	рното	Settings
Settings Status Setup Sharing Aggregation Advanced	Aggregation When Aggregation is enabled, Twonk Player and presents all available media between different servers when sear Enable Aggregation Aggregation Mode	/Server collects in 1 from your networ ching for a particu	nformation from an Irk in one compreh Jlar media item. Tw	y other device runn ensive view. With th ronkyServer will aut	ing TwonkyServer or Windows Media is feature, you will not need to switch omatically hide duplicates.
	Default mode for newly discovered Ignore Do nothing with a newly discove	d servers. red server.		Recommended Fo Users who want to on their network.	r define different settings for each server
	<ul> <li>Aggregate</li> <li>List all aggregated content item aggregation server without copy</li> </ul>	tree of the	Users with multiple available to the n	e servers that are always connected and etwork.	
	AutoCopy Create copies of content from ot this device so that these media f the other server is not on the net	her servers and sto iles are available work.	re them on even when	Users with servers t such as a server or option, Twonky M photos, videos and device to their hor	that may temporarily leave the network, n a laptop or mobile phone. With this obile users can automatically copy d music from their Apple or Android me server.

Save Changes Cancel

#### **Media Box Aggregation**

Mode	DESCRIPTION
Ignore (default)	Select this to do nothing with any newly discovered servers.
Aggregate	Slect this to list out all aggregated content without copying the files.
AutoCopy	Seect this to copy all content onto your OMNINAS from the newly discovered servers.

English

To configure Advanced:

1. From the home screen, click the **Settings** -> **Advanced** menu.

The Advanced screen displays. From the Advaned Settings menu, you can secure setting pages, synchronize the multimedia library, compile folders, setup media scan intervals, and enable the restart function.

Your Own Private Cloud	/ledia Box	VIDEO	MUSIC	рното	Settings					
Settings Status	Advanced									
Setup Sharing	Secured Server Settings									
Aggregation Advanced	You can secure the TwonkyServer se	ettings pages, as	well as access to	sync, with a userna	ame and password.					
	Username Passwor	d								
	myTwonky.com accour	nt			Show 🔻					
	Improve My Experience		Show 🔻							
	<b>Compilation Folders</b>			l	Show 🔻					
	Rescan Interval				Show 🔻					
	Restart on NIC change		Show 🔻							
	Loaging		Show 🔻							
	Server Maintenance				annananan, an.					
	Rescan Content Fr		Clear	cacne						

Save Changes Cancel

#### Media Box Advanced Settings

Mode	DESCRIPTION
Secured Server Settings	Enter a username and password to setup Twonky Server access for synchronizing the library.
myTwonky.com Account	Use this function to log out from Media Box.
Improve My Experience	Enable this option to allow information to be shared with Twonky.
Compilation Folders	Use this function to select folders to be defied as music compilation samplers.
Rescan Interval	Use this function to setup the rescan behavior for new content. Set the value to 0 to disable rescan. Set the value (in minutes) to a positive value to define the period between scans. Set the value to -1 to enable automatic detection of new content.
Restart on NIC changes	Use this function to enable or disable the dynamic restart of the server when changes to the NIC settings occur.
Logging	Use this function to enable logging in to Media Box. Click <b>View Log File</b> to view the log activity. Click <b>Clear Log File</b> to delete the log activity.
Server Maintenance	Use this function to restart the server, rescan content folders, reset to defaults or clear cache.

2. Click the **Save Changes** to save any new configuration settings. Or, click **Cancel** to delete any settings without saving.

## iTunes Server

The service provides access to the iTunes folder on the OMNINAS. By enabling this function, clients in the same subnet can access the content through the iTunes application on their computer.

1. In Settings, select the iTunes Server tab and click on to enable the iTunes Server service.

Select off to disable the service.

2. Click Save to keep changes.

Your Own Private Cloud	English 💌 🕢 🕒
Settings 💥	Media Server 20 iTunes Server
Storage 🚍	Once iTunes server is started, all iTunes clients in the same subnet can play the music files in the OMNINAS "ITunes" folder. iTunes Server:  Start Stop Auto Rescan: Never Note 1: If "Auto Rescan" is disabled, please click "Rescan" button in web page to synchronize data after you copy media files to "iTunes" folderNote 2: If "Auto Rescan" is enabled, the system will not entry to power-saving mode.
Share 숙	
USB+🚓	
Backup 📥	
BT Download 💾	
Share Box 🕾	
Media Server 🚉	
	Save) Rescan

**iTunes Server Setting** 

3. On your computer, open the iTunes application.

OMNINAS is available under the Shared library.

4. Click on your OMNINAS device. In the selection list, select a file to play.





Chapter 4

# **OMNINAS for Android**

The Android OMNINAS application provides you WAN or LAN access to your OMNINAS device. To begin using this function, download the application and establish a connection to your device.

## **Installing the Application**

The OMNINAS application is available for download from your Google Play marketplace. Select Google Play and search for OMNINAS. By downloading the application, you can have access to your shared media directly through your Android phone.

## Note:

Before you can access the Android application, you will need to setup Share Box in your OMNINAS and add at least one user profile.

# Overview

There is Help and About access from the main connection screen of the OMNINAS application. A clear cache function is also available from this screen.

## Note:

Availability to these menus varies from device to device.

1. Tap OMNINAS on your device screen.



Selecting OMNINAS

The Connection screen displays.



#### **Connection screen**

2. Push the Menu button on your device to display the following screen.



#### Viewing the Help Menu

Tap on a menu selection to open the related information.
 Help: displays the OMNINAS application help documentation (text format).
 About: displays the application version number and licensing information.
 Clear cache: clears the accumulated software cache.

# **Connecting an OMNINAS**

You can connect to your OMNINAS by one of two options: WAN or LAN. WAN uses the DDNS configuration to establish a connection. LAN requires the OMNINAS to be under the same subnet as your current connection.

## **Adding a WAN Device**

1. Tap OMNINAS on your device screen.



Selecting OMNINAS

The Connection screen displays.



**WAN Connection Screen** 

2. Under WAN, tap the open frame and enter the server name. This is the Host Name as setup in Share Box.

- 3. Click on the  $\bigcirc$  icon to add the device.
- 4. The Login screen displays. Enter the user name and password as defined in the Share.
- 5. Click **Login** to continue or **Cancel** to return to the previous menu.





The WAN connection is established giving you access to your OMNINAS.

## **Adding a LAN Device**

## Note:

To add a LAN device through the application, you need to connect your OMNINAS through a switch or router. See *Connect to a Switch or Router*.

1. Tap OMNINAS on your screen.



Selecting OMNINAS

English

The Connection screen displays.



#### LAN Connection Screen

- 2. Under LAN, select a device from the available list. This is the Host Name as define in Settings.
- 3. The Login screen displays. Enter the user name and password as defined in the Share.
- 4. Click Login to continue or Cancel to return to the previous menu.



LAN Login

The LAN connection is established. Your device is remotely connected to your Android phone. See *Main Menus*.

# Main Menus

Functions on NAS List main screen include Previous Page, Download, Edit, Add Folder and Select.



**NAS List Main Screen** 

## **NAS List Main Screen Functions**

Ісом	Ітем	DESCRIPTION
	Previous Page	Allows access to a previous screen.
1	Download	Allows access to download.
	Edit	Allows access to editing tool functions.
	Add Folder	Allows access to add a folder.
	Select	Allows selection of files or folders.

## **Document Files**

To open any Document files:

- 1. From the NAS List main screen tap on Document.
- 2. Tap any sub-folder to view the files if needed.
- 3. Tap on any file to view automatically.



**Opening Document Files**
## **Photo Files**

To open Photo files:

- 1. From the NAS List main screen tap on Photo.
- 2. Tap any sub-folder to view the files if needed.
- 3. Tap on any file to view automatically.



**Opening Photo Files** 

### **Posting to Facebook**

To post a photo on Facebook:

#### Note:

Facebook account is required.

1. Tap and hold on any photo file.



Selecting a Photo File

- 2. A screen pops up.
- 3. Tap **Share by Facebook** to open the Facebook login screen.



**Sharing a Photo File** 

4. Log in to your Facebook account to continue.

#### Note:

Facebook share function installs to FB automatically if not already installed.

Fac	ероок
	facebook
ou m	ust log in first.
	Get Facebook for Android and browse faster.
Ema	il or Phone
Pass	word
	Log In

#### Logging In to Facebook

5. After a successful login, your photo is posted on Facebook.

## **Video Files**

To open Video files:

- 1. From the NAS List main screen tap on Video.
- 2. Tap any sub-folder to view the files if needed.
- 3. Tap on any file to play automatically.



**Opening Video Files** 

## **Music Files**

To open Music files:

- 1. From the NAS List main screen tap on iTunes.
- 2. Tap any sub-folder to view the files if needed.
- 3. Tap on any file to play automatically.



**Opening Music Files** 

### BT

BT files are only available after they are fully downloaded.

To open Torrents:

- 1. In the NAS List main menu, tap Torrents.
- 2. Tap any subfolder to view open it.
- 3. Tap on a file to play it.



#### **Opening Torrents**

# **Accessing a Private Folder**

- 1. Open the Connection screen and select the NAS device.
- 2. Tap on the private folder in the list to open it.
- 3. Tap on a file in the private folder to access it.



Accessing a Private Folder

#### Note:

You must create the folder and assign the security permissions in the web interface before accessing the folder from the mobile application.

### Chapter 5

# **OMNINAS for iOS**

The iPhone OMNINAS application provides you with access to your OMNINAS device. Tap this application to access the NAS List main screen. Functions on this screen include About, Help, Advanced, Local Link and Remote Link.

The OMNINAS application is available for download to your iPhone from the App Store. Select the OMNINAS application and follow the directions to download the app.

#### Note:

Before you can access the iOS application, you will need to setup Share Box in your OMNI-NAS and add at least one user profile.

### **Main Menus**

This section introduces the menu elements of the OMNINAS application for iOS based device.



**NAS List Main Screen - Remote Connection** 

#### **NAS List Main Screen Functions**

Ісом	Ітем	DESCRIPTION
I	About	Provides information on Version and License.
?	Help	Provides general information on OMNINAS functions.
*	Advanced	Change Manual Setup settings.
$\bigcirc$	Local Link	Connect to devices under the same subnet as your smart device.
	Remote Link	Connect to devices through a remote connection (Share Box service must be enabled).

# **Connecting to Your OMNINAS** Adding a Remote Device

To change Remote Link Setup settings from the NAS List main screen:

- 1. Tap **Remote Link** at the screen bottom.
- 2. In My NAS, enter the host name as registered in Share Box Services.
- 3. Username/Password: registered name/password as a define user profile.
- 4. Enter the user name and password, registered name and password for a defined user profile.
- 5. Tap **Done** to add the device. You can **Cancel** to return to the NAS List.

■■ 中華電信	i 📀	下午 <b>3:4</b>	7 @	🖗 🎱 63 % 💶
Cancel	OMN	INAS	Setup	Done
My NAS	5			
Userna	me			
Passwo	ord			
QW	ER	ТЧ	U	ΙΟΡ
AS	D	G	НJ	KL
ۍ <mark>ک</mark>	x		BN	
123	<u>P</u>	spa	ace	return

Adding a Remote Device

The added remote device displays in the NAS list.

• 中華電信 🗢	18:07	72 %
Local	NAS List	Edit
NAS		
Hostnam	e	>
	<b>*</b> .	<b>A</b>
Co Co	**	

**Available Remote Connections** 

### Adding a Local Device

#### Note:

To add a local device through the application, you need to connect your OMNINAS through a switch or router. See *Connect to a Switch or Router*.

To change Auto Setup settings from the NAS List main screen: You can connect to your OMNI-NAS by WAN or LAN. The LAN option provides a list of available devices under the same subnet as your current smart device.

■ 台湾大	哥大 ᅙ	上午10:30		* 🛥
Local	Ν	IAS Lis	t	Edit
NAS				
	0	•	?	j

**NAS List Screen** 

- 1. Tap **Local Link** On the screen bottom.
- 2. The Auto Setup screen displays. Select an available device.

■ 台湾大哥大 穼 上午10:30	* 📼
Auto Setup	Done
Select Connection	
OMNINAS-3AD5E2	
OMNINAS-41465A	
OMNINAS-41464f	
OMNINAS-Test	

**Selecting a Local Connection** 

3. In the Login pop-up, enter the user name and password as defined in the Share.



#### Local Login Screen

If the connection is established, the selected device displays a tick next to it.



#### Successful Login

5-4

4. Tap **Done** to continue.

The new connection is listed under available NAS devices.



**Available Local Connections** 

### Configuration

To change Manual Setup settings from the NAS List main screen:

- 1. Tap **Advanced** at the screen bottom.
- 2. Enter information as needed.
- 3. Tap Done and OK to complete changes or Cancel to return to the NAS List.



**Changing Manual Setup Settings** 

# **Opening Document Files**

To open any document files:

- 1. From the NAS List main screen tap on a document file.
- 2. Tap any sub-folder to view the files if needed.
- 3. Tap on any file to view automatically.





#### **Opening a Document File**

#### Note:

Clicking on Edit allows you access to Rename, Copy, Move and Download functions.

# **Viewing Movie Files**

To open any Movie or Video files:

- 1. From the NAS List main screen tap on a video file.
- 2. Tap any sub-folder to view the files if needed.
- 3. Tap on any file to play automatically.
- 4. Tap **Done** to return to menu.

•中	華電信 🤝	<b>&gt;</b> 18	8:09	0	72 % 🔤
Com	putex	Vie	deo		Edit
MOVIE	2012-06	6-04 11:2	7:35	4	KB
MOVIE	【冰原歷附 2012-06	檢記4 板塊漂移 6-04 11:2	Ice Age 4] 7:52	鼠奎特的創世約 4	紀之章 <b>.mp4</b> KB
*	<b>2012_</b> 2012-06	<b>0604_1</b> 6-04 12:0	<b>200_3</b> 0:42	<b>2.jpg</b> 61	8 KB
MOVIE	<b>Produ</b> 2012-08	<b>ct Vide</b> 5-29 11:5	<b>o.avi</b> 1:42	8.1	MB
MOVIE	<b>Produ</b> 2012-06	<b>ct Vide</b> 6-04 10:0	<b>o.mp</b> 4 9:26	<b>4</b> 8.6	6 MB
MOVIE	<b>big_bu</b> 2011-0{	<b>ck_bunr</b> 5-19 17:5	<b>108</b> 3:18	<b>0p_surro</b> 885	und.avi .6 MB
MOVIE	<b>big_bu</b> 2012-00	<b>ck_bunn</b> 6-04 10:0	<b>y_1080</b> 8:36	<b>p_surrou</b> 271	<b>nd.mp4</b> .2 MB
MOVIE	【 <b>Rio</b> 里約 2012-06	約大冒險 】 6-01 14:3	歡樂嘉年華 5:36	善邀您一起对 77. ⁻	≅共舞 <b>.mp4</b> 1 MB
MOVIE	【冰原歷險 2012-06	記 <b>4</b> 板塊漂移 I 6-01 14:3	<b>ce Age 4]</b> 8:48	鼠奎特的創世紀 59. ⁻	之章.mp4 1 MB
+		0		Q	

#### **Opening Movie Files**

#### Note:

Clicking on Edit allows you access to Rename, Copy, Move and Download functions.

English

# **Viewing Photo Files**

To open any photo files:

- 1. From the NAS List main screen tap on the Pictures main file.
- 2. Tap any sub-folder to view the files if needed.
- 3. Tap on any file to view a photo automatically one by one.
- 4. Tap See All to view all photos. Tap Done to view photos one by one.
- 5. Tap the file name on the upper left screen to return to file folder.
- 6. Tap slash [ / ] to return to NAS List.

### **Posting to Facebook**

To post a photo on Facebook:

#### Note:

Facebook account required.

- 1. From the NAS List screen, select your device and tap to login.
- 2. Tap **Edit** on the upper screen. A red circled icon appears next to each photo file. Select and tap on a photo file.
- 3. Select the image to use.
- 4. A menu screen opens, tap Share.



**Sharing Photos** 

5. Tap Facebook.



Sharing a Photo to Facebook

6. Log in to Facebook if prompted.

#### Note:

Facebook share function installs to Facebook automatically if not already installed.

7. Your photo is posted on Facebook.

### **Accessing a Private Folder**

- 1. Open the NAS list screen and select the NAS device.
- 2. Tap on the private folder in the list to open it.
- 3. Tap on a file in the private folder to access it.



Accessing a Private Folder

#### Note:

You must create the folder and assign the security permissions in the web interface before accessing the folder from the mobile application.

Chapter 6

# Troubleshooting

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# Troubleshooting

In the event of hardware or interface issues, the following information is provided to assist in solving most issues.

There are also resources and further information available for users on the following website. Please feel free to use this resource and to contact the Shuttle support team if necessary.

OMNINAS website: http://global.shuttle.com/main/index

#### I forgot the administrator username or password.

- Use a long, thin pin to press the reset button on the back of NAS device. See Reboot the system.
- Use the default user name (admin) /password (no password) to enter the administrator mode.

#### I cannot find NAS device after configuration.

#### A Perform the following:

- 1. Unplug the LAN cable then connect it back. Go to step 2 if the issue is not resolved.
- 2. Set your PC TCP/IP settings to DHCP to obtain an automatic IP address.
- 3. Press the power button for four (4) seconds to shutdown the NAS device. Wait for a complete system shutdown (10 seconds), then press the power button again to reboot the OMNINAS.

This procedure should allow you to set the OMNINAS and your PC on the same network group.

Q	My NAS unexpectedly shutdown. What's happening?
A	<ol> <li>Make sure the NAS device is in a well ventilated area, the NAS device will shut down when the HDD temperature is higher than 62°C.</li> </ol>
	2. Make sure the NAS device fan is still functioning. The fan is designed to cycle higher if the tempera- ture is raises.
	<ol> <li>NAS device does not support old HDDs without SMART temperature support. (SMART temperature required).</li> </ol>
Q	I think my USB port malfunctioned. What can I do?
A	Make sure the USB devices/hubs power usage is not over the specified maximum limit. If necessary, provide external power for high power-demanding USB drive.
Q	I cannot enter the administration page.
A	<ol> <li>Make sure the administrator profile is not in use.</li> <li>Log off the administrator profile or temporarily unplug the LAN cable.</li> <li>Wait for 10 minutes (all previous access times out after 10 minutes).</li> <li>Reconnect the LAN cable, then try to enter the administrator page again.</li> </ol>

English

#### I cannot find my NAS device using the Finder tool.

A After you verify the LAN connection and setup on the PC/Router side, perform the following checks:

- 1. Power down the OMNINAS.
- 2. Remove both HDDs from NAS device.
- 3. Power on the NAS device (LAN cable must be connected to the PC, Switch, or DHCP Router).
- 4. Check the power button LED status to see if boot up process is completed (2~5 minutes).
- 5. Run the Finder program on your PC system. Perform a search to check for your OMNINAS.
- 6. If nothing the device is not detected, reboot the NAS device once again.
- 7. If the device is still not detected, refer to **How can I bypass the network setup check?** for further troubleshooting information.
- 8. If the device is detected, select the device and click Connect.
- 9. A browser window opens and a prompt displays instructions to add hard disks and shutdown the NAS device.
- 10. Click the button to start and make sure the NAS device shuts down and powers off completely.
- 11. Install your HDDs back in the drive bays.
- 12. Power up the NAS device to and look to see if it is detected.
- If the device is still not detected, please contact your Service Center (http://global.shuttle.com/support/).



#### I cannot map the network drive.

1. Use the delete network drive function to clean any conflicting or unused network drives (in DOS box, use "c:\>net use * /delete" command to clean up all network drives)

OR

Change the assigned drive letter in the map network drive function by clicking on the downward arrow next to the drive letter to open the drop-down menu.

OR

Use the Finder utility to clean up all network drives.

2. Then use the Finder utility to reconnect the Network drive(s) again.

#### How can I bypass the network setup check?

- To simplify the NAS device detection issue, use the following steps to troubleshoot your device..
  - 1. Power down your device.
  - 2. Directly connect the NAS device to your PC with a LAN cable.
  - 3. Remove all HDDs from the NAS device and power up.
  - 4. The NAS power button LED flash (red) continuously after a brief period (1 to 2 minutes).
  - 5. Run the Finder utility on your PC system and perform a search for the connected device.

If the device is not detected, proceed with the following:

- Open a supported browser and type http://169.254.100.200 to directly connect to the NAS administrator page.
- 7. If there is no response, on your PC, open a command (DOS) dialog window and type the following: ping 169.254.100.200
- 8. If the ping command returns a timeout message, contact your distributor for further troubleshooting support.
- 9. If the ping command returns a positive connection response, open a different browser and go to step 6.
- 10. If the device is detected through the browser, but not the Finder utility, re-install the Finder and go to step 4.
- 11. If the device is detected by using the Finder utility and browser and the administration page is accessible (access to the network is still not available), check your network settings and make sure your PC and NAS device are in the same LAN network.

#### Cannot connect to a Remote Access.

- 1. Router Setting
  - Make sure your Share Box port settings (3200~6400) do not conflict with your router settings. If the port settings do conflict, change your Share Box port setting..
  - The OMNINAS and router do not have more than one layer connection between them.
  - 2. OMNINAS setting
  - Make sure the Hostname has not already been registered.
  - After a Factory Reset, the Share Box and share account must be re-configured.
  - If the firmware is updated or the OMNINAS had a sudden loss of power, re-register the Share Box settings to ensure a remote connection.
  - If your router or cable/ADSL modem were or power cycled, re-register the Share Box settings to ensure a remote connection..

English

A

#### "Server error occurred" when registering Share box.

Server error means your NAS is not able to connect to Shuttle DDNS server or registration error and it might comes with various reasons.

When you see "Server error occurred" message, please select one of the method listed and follow the procedures for troubleshooting.

### [Method 1] This is suitable for new user or those who already backup the NAS data to another drive.

**Step 1:** Go to **Factory Reset** page to reset your NAS configuration and follow the wizard procedures to complete the share box setup.



#### Server error occurred

			Share Box Se
		<u>.</u>	1
Share Box: O on O off	Server error occurred.		
Host Name:	สมัยกับความ	.omninas.net	
Password:	*****		
Password (Confirm):	•••••		
Port:	3200		
UPnP Support	○ Yes ● No		

**Step 2:** At wizard step 3, NAS system will check whether your internet connection is ready or not. Please make sure it is connected for share box registration.

Set up a OI	MNINAS name and register Share Box.
OMNINAS Name	Please enter 6~16 characters; You may use English letters (Capital or lowercase letters) numbers and special characters '- '.
Internet Status Share Box	Connected. S http://nastest.omninas.net 3200

Step 3: Share box registered successfully at wizard step 3.





**Step 1:** Open DOS box and type "ping 8.8.8.8" to check Google DNS connection. *Correct connection should have the screenshot shown as below.

<u>x</u>
* III

**Step 2:** If you didn't see a similar screenshot but just connection timeout messages, please stop and check your internet connection first.

**Step 3:** Type www.omninas.net in browser to check Shuttle DDNS server connection. If connection is timeout, please stop and check with your ISP (Internet Service Provider) about the failure of your internet access.

**Step 4:** If you can access correctly then type user registered name in "OMNINAS Name" location to start the connection.

T Shuttle	×	
← → C 🗋 www.	omninas.net	☆ 🔊 😋 =
	Your Own Private Cloud Share Box	
	OMNINAS Name     mynas     Connact	
Shuttle	COMMENT 0 2012 SHUTTLE INC. ALL BOHTS RESERVED	
<	ш	>

**Step5**: You can also type "ping XXXXXX.omninas.net" in DOS box to check the registration is working or not.

#### Note:

Replace the XXXXXX with your registered name.

*If it returns with the following message, it means that your registration ihas been completed with Shuttle DDNS server.

▲ 条統管理員:命令提示字元	
C:\Users\>pingomninas.net	*
Ping 1omninas.net [219.87.152.233] (使用 32 位元組的資料): 回覆自 219.87.152.233: 位元組=32 時間=6ms TTL=64 回覆自 219.87.152.233: 位元組=32 時間=1ms TTL=64 回覆自 219.87.152.233: 位元組=32 時間=73ms TTL=64 回覆自 219.87.152.233: 位元組=32 時間=88ms TTL=64	
219.87.152.233 的 Ping 統計資料: 封包: 已傳送 = 4,已收到 = 4, 已遺失 = 0 (0% 遺失), 大約的來回時間 (毫秒): 最小值 = 1ms,最大值 = 88ms,平均 = 42ms	
C:\Users\	
	÷.

**Step 6:** If you can ping the server in step 5 but cannot connect to Share box in step 4, then you might need to check your port number assignment.

*Change to specific port number which assigned at your router if any.

Settings 💥		Share Box Setting
Storage 🚍		
Share 🔷	Share Box: 🖲 On 🔘 Off	Success : This is the most recent DDNS information.
USB⊷⇔	Host Name:	rankd22 .omninas.net
Backup 📥	Password:	
BT Download +	Password (Confirm):	
Share Box 🅮	Port	1084
Media Server	UPnP Support	I Yes O No
		Save

**Step 7:** You can also send an email to our service center to check whether your account had been registered successfully in Shuttle DDNS server or not.



**Step 8:** If you still had problem about registering Share box. You might need to change your router setting or work out with your router administrator separately.

Here are some common questions that you need to check:

- 1. Does your router support UPnP?
- 2. Is the UPnP setup enabled in both NAS and Router?
- 3. If no UPnP was set, did you setup port forwarding in your router with the same port number assigned for your NAS?

# **Environmental Control**

### System Temperature

The OMNINAS has a built-in feature to protect against damage from overheating. The following criteria sets off a shut down instance:

System temperature exceeds 65°C (149°F)

### **System Fan Settings**

By default the fan is not activated under normal temperature conditions, as defined by the HDD temperature reading from HDD SMART function. The following criteria depicts the system fan behavior:

- Under 54°C Normal conditions and Fan is off
- 55°C to 61°C Fan is on
- 62°C and above System shuts down

#### Note:

Older HDD models may not support SMART.