

 PowerNAS

User Manual

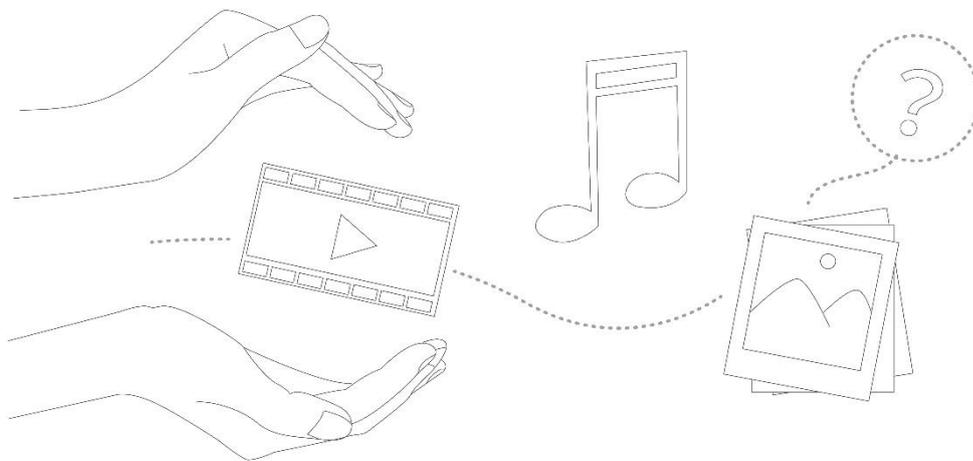
PowerNAS Data Manager (PDM)

INTRODUCTION	9
PRODUCT INTRODUCTION.....	10
<i>Hardware Specifications</i>	<i>10</i>
<i>Package Contents.....</i>	<i>11</i>
<i>Host Interface Illustration</i>	<i>13</i>
POWERNAS INSTALLATION.....	18
HARD DRIVE INSTALLATION	18
MACHINE INSTALLATION.....	20
INITIAL SETTINGS	21
「POWERNAS TOOLS」 DOWNLOAD AND INSTALLATION	21
CONNECTING TO POWERNAS HOST.....	23
<i>Initial Access of PowerNAS</i>	<i>24</i>
<i>Modifying Host Name and User Name</i>	<i>24</i>
<i>Setting Hard Drive Format</i>	<i>25</i>
<i>Log-in Account and Creating Connection</i>	<i>29</i>
HOW TO USE POWERNAS TOOLS.....	29
FUNCTION OVERVIEW.....	29
<i>System Info</i>	<i>30</i>
<i>System Condition and System Buttons</i>	<i>31</i>
<i>App Tools</i>	<i>32</i>
POWERNAS DATA MANAGER	36
<i>How to login PDM</i>	<i>36</i>
<i>PowerNAS Data Manager Interface</i>	<i>38</i>
OTHER APPLICATIONS.....	62
HOW TO USE POWERNAS AS INTERNET DRIVE	62
RESETTING SYSTEM ADMINISTRATOR PASSWORD	65

Making File Management Easy –PowerNAS Has You Covered!

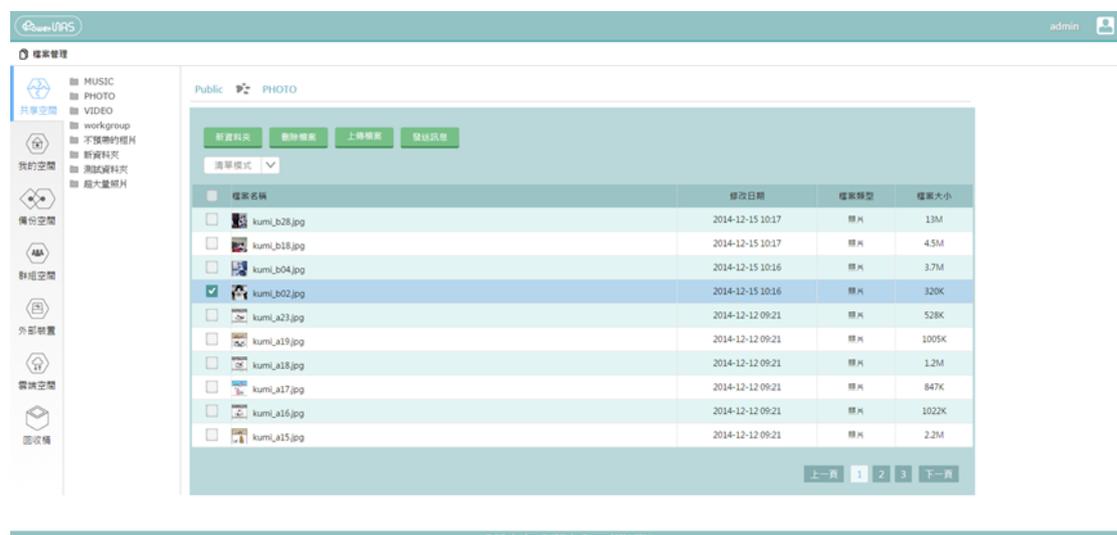
When Mr. Chao entered university, he worked and saved to buy a smartphone and a notebook computer to store his homework. When he was sophomore, he used his scholarship to buy a DSLR camera.

When he is senior, Mr. Chao remembered his good life during his study in university. These memories were stored in his digital device. He suddenly worried that these valuable files may disappear because of device failure. What should he do ?



Don' t worry, Mr. Chao!PowerNAS can easily solve your dilemma. It provides you with a simple file management interface. It can protect your important data via a simple hard drive safety setting. It can also easily manage your files via a simple operation at [File Management Center](#).

[File Management Center](#)



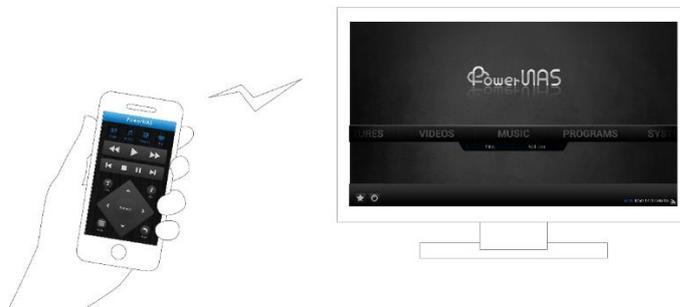
Simple XBMC Operation, Experience Warm Home

Theatre at Home

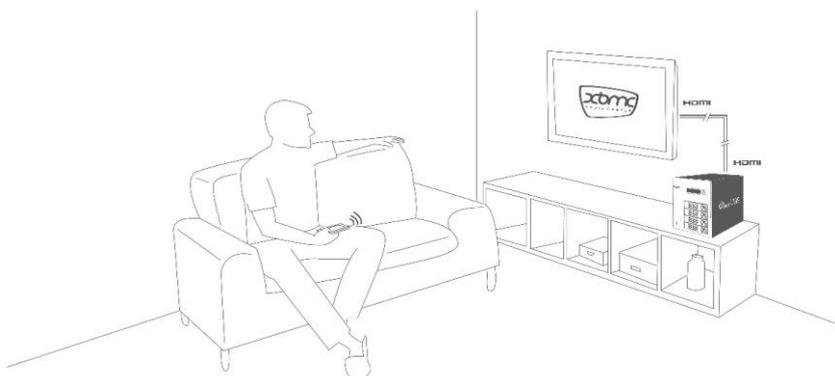
Mr. Wang and his wife are retired and live in Pingtung. Every day they pick up the TV remote to watch TV. They look at one another. They shift the TV channels frequently and don't know what they've watched. At the same time, they think of their son and daughter, who work in Taipei. How are they doing now? What are they doing ...

On Father's Day, his son and daughter come home with their families! Mr. Wang and his wife are very happy as they see their son, daughter and grandsons back at home! He suddenly finds that his son is carrying a box. Then his daughter takes out a colorful machine with a PowerNAS label. Next, they take out an HDMI cable to connect with the home TV. His son helps dad install an app—PowerCloud on his smartphone. He opens a smartphone screen that is a remote control, and says to his dad and mom, "Dad and Mom, try pressing it. Just as easy as you press a real remote control!"

His daughter then says "Dad, Happy Father's Day! This is your and Mom's gift from my brother and I. When you think of us, just open the **XBMC Package Center** function in PowerNAS. We will put fun photos and videos on it. You and mom can open it to see them."



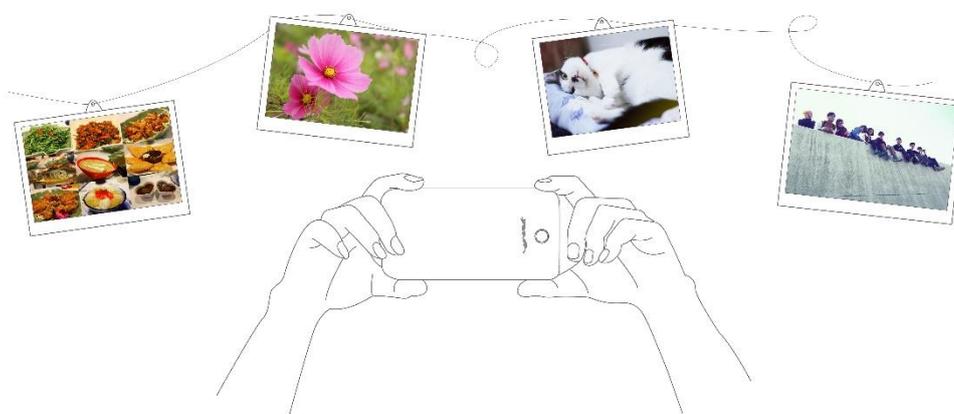
At this moment, Mr. Wang and his wife find that the family pictures with kids, school graduation photos and video recordings of fun are shown on the TV screen. All the people remember the details of old times in the living room and laugh happily.



DDNS+PowerCloud Lets You Easily Use PowerNAS

anywhere

Since Mr. Adam got his smartphone, with it he often records everything that happens in his daily life: meet-ups with friends, key notes from class, restaurant delicacies when eating out, and snapshots of his cute pet, etc... In the era of modern popular digital devices, photos and films accumulate in his cell phone and tab, Mr. Adam is troubled by the number of files since he has not been sorting them out regularly. Wouldn't it be perfect if only he could instantly upload the files to a safe place?



One day, at a friend's suggestion, Mr. Adam learned about PowerNAS- the internet saving/retrieving server. He realized that PowerNAS is just what he needs – designed for users like him who own many multi-media files - so he bought one for his home.

After setting up the PowerNAS, he discovered the **DDNS Setting** function. Instructions from the official website told him that by following some simple steps, he can set up a name of his favorite websites and can then easily connect to his own PowerNAS from anywhere away from home.

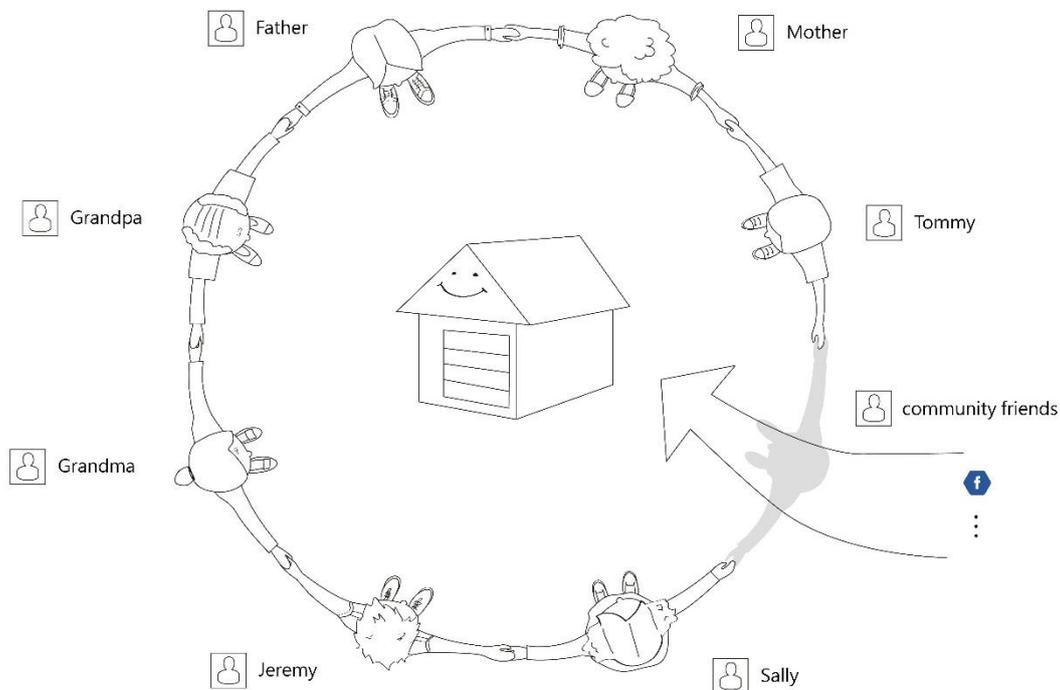
Moreover, as an Android user, Mr. Adam downloaded PowerCloud (developed by ITe2 Technology) in Google Play. By launching the installed PowerCloud app, Mr. Adam just needs to type in his own preset web address, then he can transfer photos from his mobile phone and tablet to PowerNAS at home, anytime and effortlessly. Now Mr. Adam has no worries whether he is at home or abroad because it's like having a cloud of super saving capacity over his head wherever he is!

USER MANAGEMENT- ONE DEVICE FOR MULTIPLE USERS

For many years Tommy has had a computer at home that he shares with his older brother and sister. It is full of everyone's video, music and tons of homework files. One day Tommy found out their D Drive of computer at home is almost full, and he was scared at the thought that very soon there won't be any space left!

After some discussion, he and his brother looked on the internet and found PowerNAS Internet Storage Server; with the addition of a hard drive, they could own a much larger storage capacity. With the easy-to-set-up user accounts, now Tommy and his siblings and even his other family members can login with the **User Manage** function to manage their own personal settings. Not only can he secure his privacy by managing his own files, Tommy does not need to save all files into one storage space any more. Now he is not afraid of becoming short of storage capacity. Very convenient indeed!

Furthermore, with a group account, Tommy's friends can also register and gain limited access to Tommy's media files on their PowerNAS at home and view photos of outings with friends, videos, or personal music collections! How convenient!



CAN'T REMEMBER – SO MANY ACCOUNTS!

COMMUNITY ACCOUNT COMES IN HANDY!

Mrs. C often interacts with her friends on shopping websites or community websites in her free time. Her the biggest concern is the increase in online platforms and the increasing number of passwords there are to remember. It is quite troublesome whenever she is about to sign into one platform and then realizes that she has forgotten the password ...

Recently with her year-end bonus money, Mrs. C bought a PowerNAS on PChome for herself; one of PowerNAS's features that piqued her interest was an interface ([Personal](#)

[Setting](#) ) where she can combine and manage multiple accounts at once! This really got her excited, that Mrs. C just needs to bind frequently-used accounts together on the settings page and can then easily sign in without having to memorize multiple passwords. This makes her PowerNAS experience more pleasant and convenient.

Easily Share My PowerNAS!

Little Kay is a freelance designer, and he always has large volumes of picture files to provide to clients as part of his job. He often runs out of sufficient space on his Cloud storage and has to find another way to deliver large files to his clients. Is there a better way to help him make easy deliveries ?

PowerNAS can easily solve your file-sharing problems! When you use the PowerNAS **DDNS Setting** function to open the DDNS connectable with outside networks, simply provide your website address to clients and use the account created for your specific project for user management. Then you can easily share the file with your client by using the shared space.

LITTLE SURPRISE OF THE HEXAGON

Ms. E loves to collect pretty icon grams. She changes her mobile desktop theme frequently with various icon styles to help change her mood. One day a PowerNAS was added to her home, and after her family followed the simple steps and launched the management Interface · Ms. E discovered one of the icons on the interface is illustrated as a hexagon; how special!

There is also another interesting feature; Ms. E figured out that whenever she dragged and dropped a **PowerNAS Data Manager Operation Interface** icon, a different kitty illustration appeared at the bottom. This puts Ms. E, who loves icons, in an awesome mood whenever she opens the interface, and she moves the icons around looking for different kitties, just like a treasure-hunt!



SWEET REMINDER, Home Bulletin

NAS is more than just a machine; PowerNAS can be a big help in sharing files among all members, and be the messenger in the family with one or two simple reminders. Even when someone is out of town, photos and films can be updated onto PowerNAS within a specific account, and messages can be saved for your dear family. How harmonious and heartwarming it is when your family opens the management interface to see the

Sticky Notes



and the pictures and memories to be opened and shared.



Introduction

PowerNAS is a small multi-media cloud center in your home. After owning PowerNAS, you can enjoy better data storage safety as well as the convenience of using multi-media AV.

Perhaps you do not quite understand how the PowerNAS can be applied to your daily life, or how to correctly use various functions of PowerNAS. Don't worry! Next, you just follow this user manual to operate. Then you can easily learn to use PowerNAS!



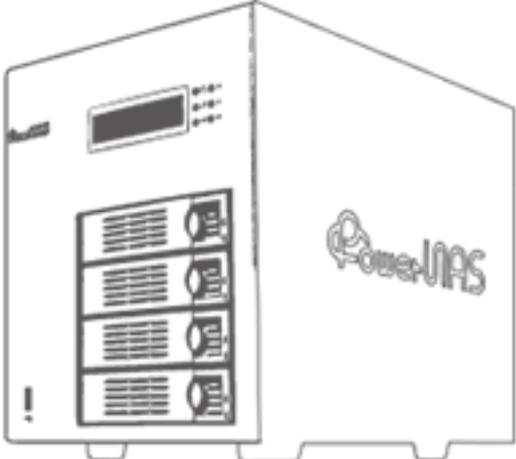
Product Introduction

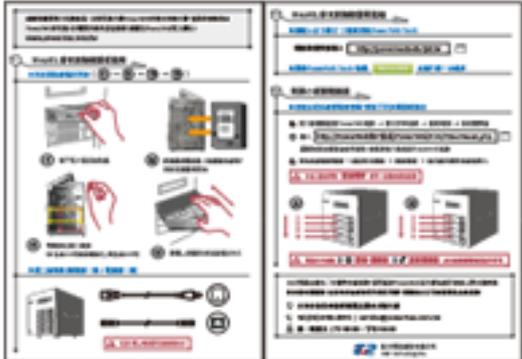
Hardware Specifications

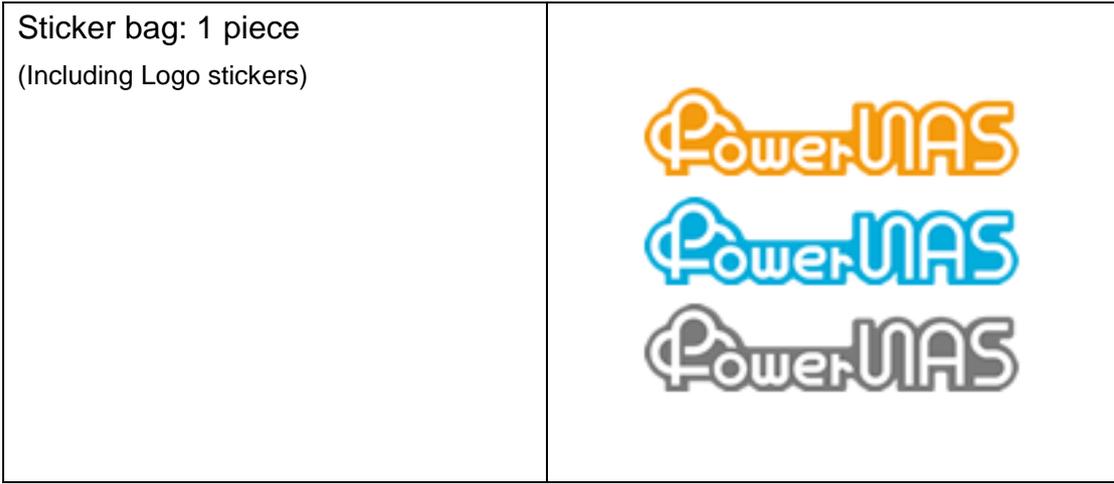
Item	Specifications
Processor	Intel Celeron 1037U Dual Core 1.8 GHz
System Memory	DDR3 2G 1333/1600 (Expanding limit 8GB)
Disc Pits Quantity	4 (Max. Internal Disc Capacity 16TB, 4TB HDD x 4)
SATA DOM	SATA III 8GB
Panel Module	Display screen x1 \ panel buttons x6
Network Interface (support network wakeup)	Intel 82574 Gigabit Ethernet (rear x2) * Wireless Network(option)wireless 802.11ac
USB Interface	USB 2.0 Port (rear x2) USB 3.0 Port(front x1, rear x2)
Sound Effect	Microphone input, sound effect output(rear)
HDMI Output	HDMI interface(rear x1)

VGA Output	VGA interface(rear x1)
Power Supply	250W
Size(W x D x H)	177x243x200mm
Weight	4.6 Kgs

Package Contents

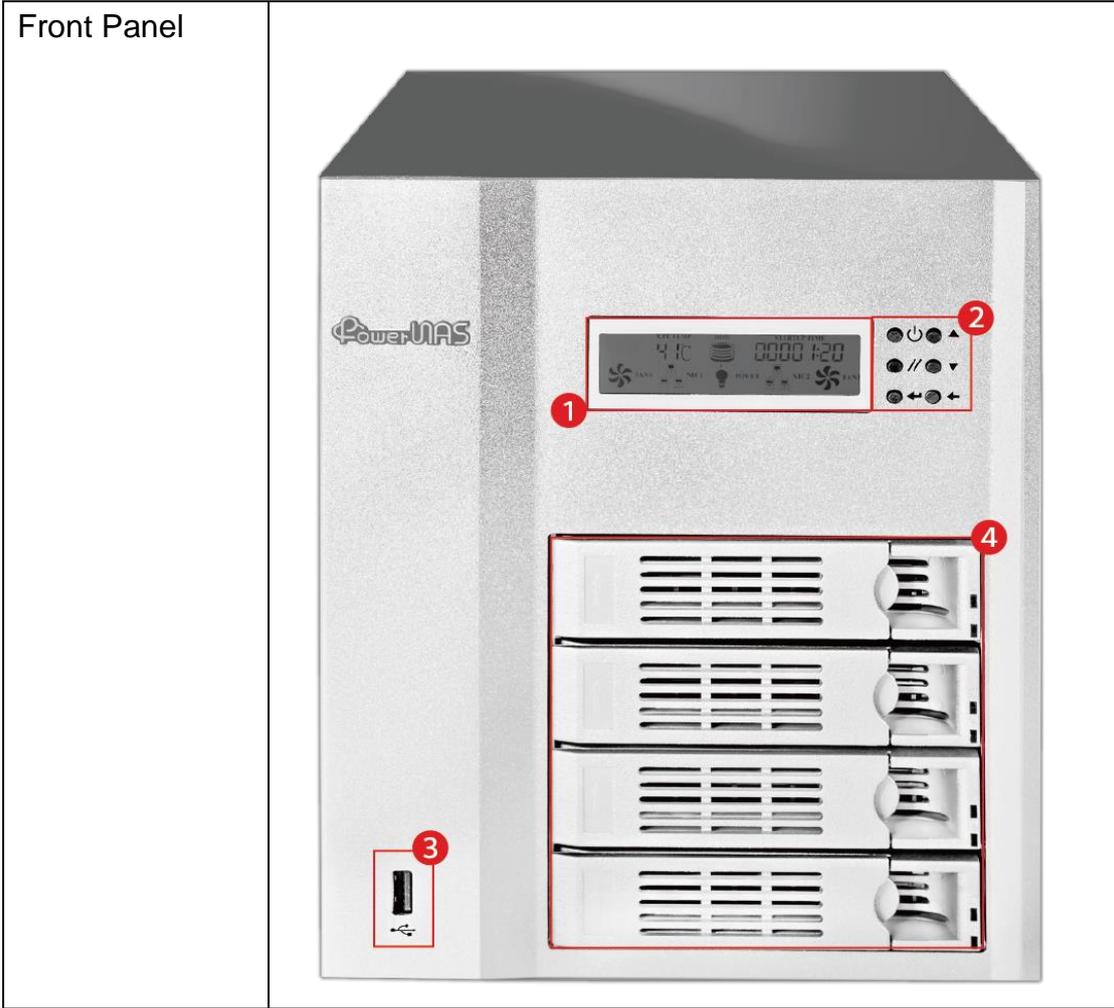
Item	Illustration
<p>PN401 Host : 1 Set (The actual color depends on the purchasing order)</p>	
<p>Screw:1 bag</p>	

<p>Network Cable: 2 pieces</p>	
<p>Power Cable: 1 piece</p>	
<p>Instructions: 1 sheet</p>	



Host Interface Illustration

Front Panel

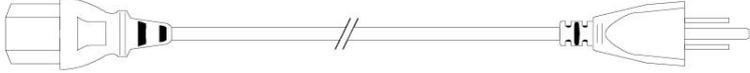


<p>1. Screen Panel</p>	<div data-bbox="539 219 646 302" data-label="Image"> </div> <p data-bbox="662 280 1268 324">CPU Temperature Info. You can set up the</p> <p data-bbox="518 369 1292 414">overheating warning via the right panel buttons  </p> <p data-bbox="526 459 1316 504">▼ . There are six options, 40°C, 50°C, 60°C, 70°C, 80</p> <p data-bbox="518 548 1300 593">°C and 90°C. The default is 80°C. When temperature is</p> <p data-bbox="518 638 1332 683">lower than 1°C, it displays LL°C. When the temperature is</p> <p data-bbox="518 728 989 772">higher than 99°C, it shows HH°C.</p> <div data-bbox="550 840 630 918" data-label="Image"> </div> <p data-bbox="662 907 1244 940">Hard Drive Info. This indicates hard drive</p> <p data-bbox="534 963 1332 1142">reading/writing actions. If no reading/writing is taking place, it shows a static full bright icon. When the hard drive is reading/writing, it shows a dynamic icon, moving from bottom to top.</p> <div data-bbox="534 1176 790 1254" data-label="Image"> </div> <p data-bbox="821 1243 1284 1276">Startup Time Info. The five digits</p> <p data-bbox="534 1299 1332 1433">before the colon mean hours. The two digits after the colon mean minutes. The maximum time is 99999 hours and 59 minutes. When the startup time exceeds the</p> <p data-bbox="534 1467 1236 1512">limit, it will return to zero. You might press the </p> <p data-bbox="534 1534 1173 1579">button on the panel to reset the time counter.</p> <div data-bbox="534 1612 837 1691" data-label="Image"> </div> <p data-bbox="861 1668 1212 1702">Network Card Info. They</p> <p data-bbox="518 1724 1332 1904">correspond to the rear panel network interface. When the interface is receiving no wireless signal, it is a static full-light icon. When the interface is receiving a network signal, the three blocks on the icon will run sequentially.</p>
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	 <p>Power info. When the mother board has a normal charge, the light on this bulb icon will be in motion.</p>
<p>2. Panel Buttons</p>	<p> ON/OFF of host system.</p> <p> Re-start of host system.</p> <p> CPU Temperature Overheating Warning Set Up Button. The default is 80°C. There are six options, 40°C, 50°C, 60°C, 70°C, 80°C and 90°C.</p> <p> CPU Temperature Overheating Warning Option Adjusting Button.</p> <p> Startup Time Counter Reset Button. After pressing, the temperature will be reset to zero and recalculated.</p>
<p>3. USB 3.0 interface</p>	<p>USB 3.0 Port.</p>
<p>4. Hard Drive Enclosure</p>	<p>The placement for Hard Drive.</p>

Rear Panel

<p>Rear Panel</p>	
<p>A. Wireless Network</p>	<p>(Option)wireless 802.11ac.</p>
<p>B. Sound effects</p>	<p>Microphone input(Right, Red), Sound effects output(Left, Green)</p>
<p>C. Network interface</p>	<p>Intel 82574 Gigabit Ethernet °</p> 
<p>D. VGA output</p>	<p>VGA interface</p>
<p>E. HDMI output</p>	<p>HDMI interface</p>
<p>F. USB 3.0 interface</p>	<p>Two USB 3.0 Ports</p>
<p>G. USB 2.0 interface</p>	<p>Two USB 2.0 Ports</p>
<p>H. P/S2</p>	<p>Connect to the connector of P/S2 keyboard or mouse</p>

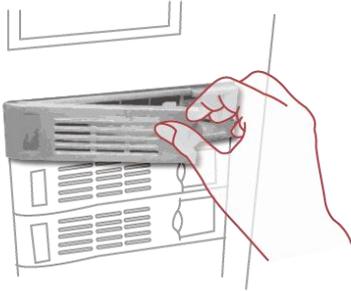
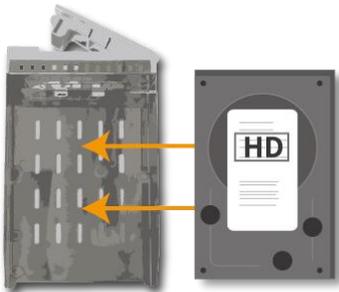
interface	(Need to restart the system)
I. Power interface	AC Input:110V/240V AC · 2A · 60Hz ° 

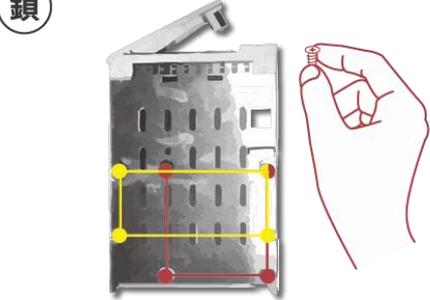
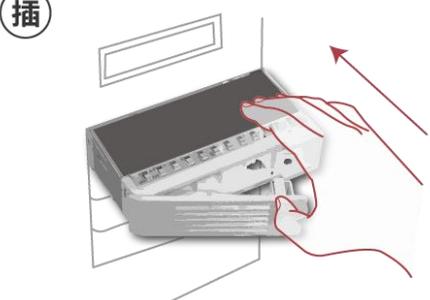
PowerNAS Installation

The installing procedure for the PowerNAS machine is very simple. You just need to take the following steps to assemble and complete installation of PowerNAS.

Hard Drive Installation

Pull→Install→Lock→Insert

<p>④ 拉</p> 	<p>Pull: Force to the left. Press the right buckle on the groove of enclosure. Use the unsprung enclosure buckle handle to force outward. Pull the enclosure out.</p>
<p>④ 裝</p> 	<p>Install: Hold the hard drive with the label facing up and place it into the enclosure. Then use your hand to fix up the hard drive and enclosure. Turn the enclosure to</p>

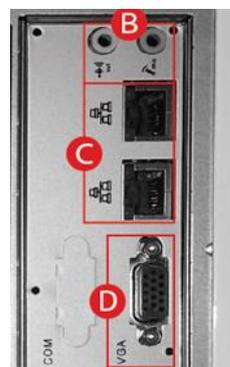
	<p>its back and assure the hard drive will not fall.</p>
<p>鎖</p> 	<p>Lock: Insert screws.</p> <p>The reds are the 2.5in. hard drive screw holes;</p> <p>The yellows are the 3.5in. Hard drive screw holes.</p> <p>The screws are contained in package:</p> 
<p>插</p> 	<p>Insert: Insert the screwed hard drive enclosure back in the NAS host. Please assure the enclosure is pushed into the bottom of the groove. Then press down the buckle; you should hear the sound of a correct lockup.</p>

Machine Installation

After installation of the hard drive, follow the next two steps to connect your PowerNAS to the network and power supply. Then you can start to use it at once!

Network Cable

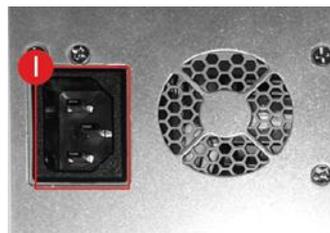
Take the “network cable” out of the package. The cable connector should be connected to the host rear panel “Network Interface” (Marked C) as well as the network source. (Router · Switch or Hub. For instance: ADSL Modem)



Power Cable

Take the “power cable” out of the package. Connect the connector of power cable to the “power source interface” (marked I) and power socket on the rear panel . When the power source is connected, the

machine turns on automatically. If the machine does not turn on, please press the turn-on button  on the front panel manually.



Initial Setting

By using the “PowerNAS Tools” of PowerNAS desktop tool, you can easily perform initial setup. You only need to follow the instructions by clicking.

Downloading and Installing “PowerNAS Tools”

Before starting to use “PowerNAS Tools”, you must acquire the app installation file. Then you may follow the instructions to install it by steps.

First, please go to our PowerNAS official website address [\(http://www.powernas.com.tw/\)](http://www.powernas.com.tw/) . Click “Technical Support” on the upper menu.



Then click on the [Download Center](#) to [download](#) PowerNAS Tools.



Windows桌面應用工具(windows7以下適用)

名稱	描述	點此下載
IP搜尋工具	馬上與您珍貴的PowerNAS連上線	PowerNAS Tools
DVD擷取工具	擷取DVD的精彩片段，建構個人影片庫	PowerNAS Capture

Next, go on the installing steps. Open the “PowerNASNastool_cht.exe” file downloaded to your computer. It will show a safety warning window. You can trust this installation file is downloaded from the official PowerNAS website. Press “Run”. Then follow the instructions to install in steps.



After completing installation, you can see the app startup shortcut of

PowerNAS Tools  on the desktop.

Connecting to PowerNAS Host

Initial Accessing PowerNAS

When you open “PowerNAS Tools” for the first time, you must initially connect it with PowerNAS and complete the first-use setup of PowerNAS. Then you can completely enjoy all the additional functions. First open the “PowerNAS Tools” app. This app will scan the PowerNAS host on the list in your home local network automatically. Please select the host you prefer to setup. Click on the “Open NAS Webpage” button. The system will guide you into the webpage automatically. Then you can start the first-use setup of the machine.



Modifying the Host Name and User Name

When you access your PowerNAS PDM webpage the first time, PowerNAS will ask you to provide a new name and replace the system default

administrator password. To do this, just press the edit icon “” to name PowerNAS and modify the password. After completing, click on “OK, next step”.



Setting Hard Drive Format

After setup of host name and administrator password, the system will guide you to the page for hard drive setup.



In the initialization setup of PowerNAS hardware, there are two modes for your choice: **Quick/Simple Installation** and **User Customized Installation**. When you use **Quick/Simple Installation**, you don't have to worry about which choice to make. If you are an advanced user, you can select **User Customized Installation** to let you build a PowerNAS that more meets your personal needs.

Quick/Simple Installation

If you select quick/simple installation, there are two possibilities as follows: First, if your PowerNAS contains only three hard drives or less, directly press the "Start to Use" button. The system will start to format your hard drives.

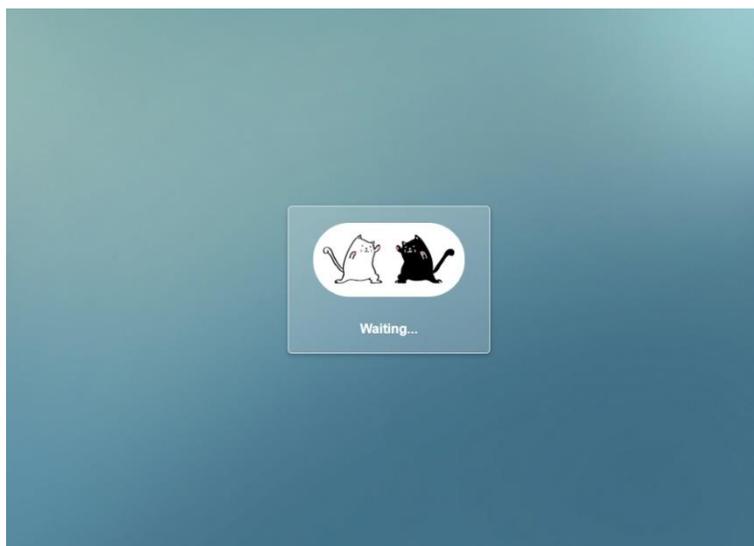


In the second case, if your PowerNAS contains four hard drives, the system provides two options for your selection: Normal Safety and High Safety respectively. The following table is used to let you simply understand the advantage and disadvantage of them and then easily make your decision.



	Normal Safety	High Safety
Available Capacity	Large	Small
Safety	Worse	Better

After selection, the word “Waiting” will appear on the screen. After completion, the system is logged-out. You just need to login again.

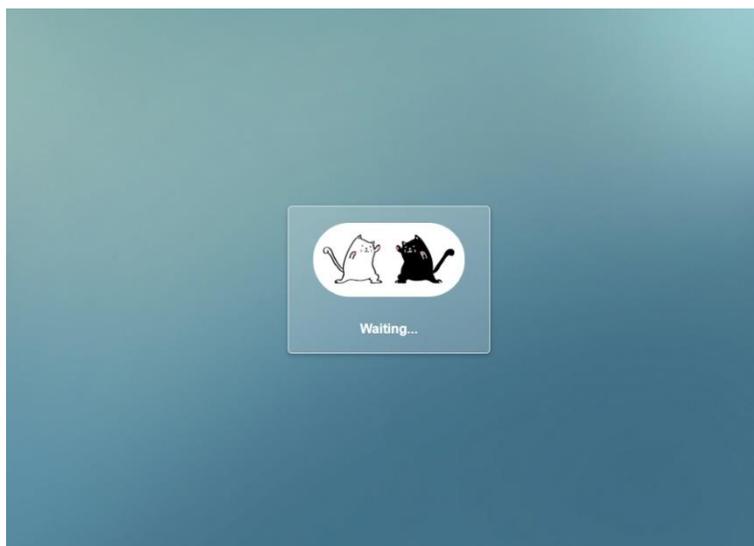


User Customized Installation

As you select the User Customized Installation, the system will detect the current number of installed hard drives in the PowerNAS. If there are four hard drives, it will provide you three options for driver formatting at most, Raid 0/5/10. You can decide which driver matrix to be used as you like.



After selection, the word “Waiting” will appear on the screen. After completion, the system is logged-out. You just need to login again.



Log-in Account and Creating Connection

Congratulations! Your first-use setup of PowerNAS is completed. Next, you can login the PowerNAS by using PowerNAS Tools to start enjoying various convenient functions of PowerNAS.

First of all, similar to the previous way, select one PowerNAS machine, which you want to login, on the screen of "PowerNAS Tools" opened in the beginning. Then click on the "Login Button".



In the account/password block, enter your user account and password just

setup. Click on the “Login”. The connection between your computer and PowerNAS is done.



How to Use PowerNAS Tools

Via the operation interface on “PowerNAS Tools”, your PowerNAS can perform many different functions. Next, the use of each function will be explained step by in step.

Function Overview

First of all, this is the main screen of “PowerNAS Tools”. On the main page, the screen you will see is as follows:



System Panel	App Functions
<ul style="list-style-type: none"> System Info Area System Status Area System Operation Button 	<ul style="list-style-type: none"> PowerNAS Capture Community Settings PowerNAS Settings

System Info

On the system info panel of “PowerNAS Tools”, you can look over the current PowerNAS info, including the on-line PowerNAS host name, its current IP address and logged-in user account. In addition, there are [Switching Host](#) and [Switching Account](#) buttons.



Switching Host

Within the “PowerNAS Tools” operation interface, you can change the on-line PowerNAS host when you like. You just have to press the “ 切換主機” button to call up the PowerNAS host window you first selected as the app startup. Then just follow the procedure of [錯誤! 找不到參照來源。](#) to operate it again.

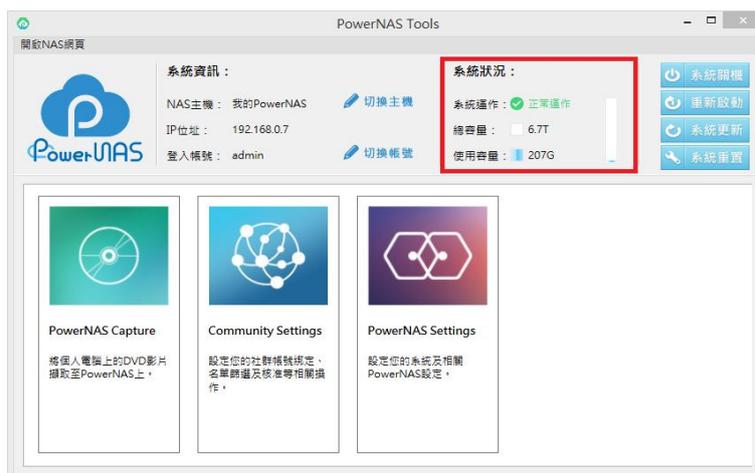
Switching Account

If you just want to simply change to another on-line and logged-in account, you can press the “ 切換帳號” button directly. Then just enter the changing account/password and finish login.

System Condition and System Button

System Condition

The system status panel provides the simple system status of PowerNAS host currently. Via this status panel, you can quickly check if the current system operation is normal, the total capacity of the PowerNAS hard drive and the current used capacity of the hard drive.



System Button

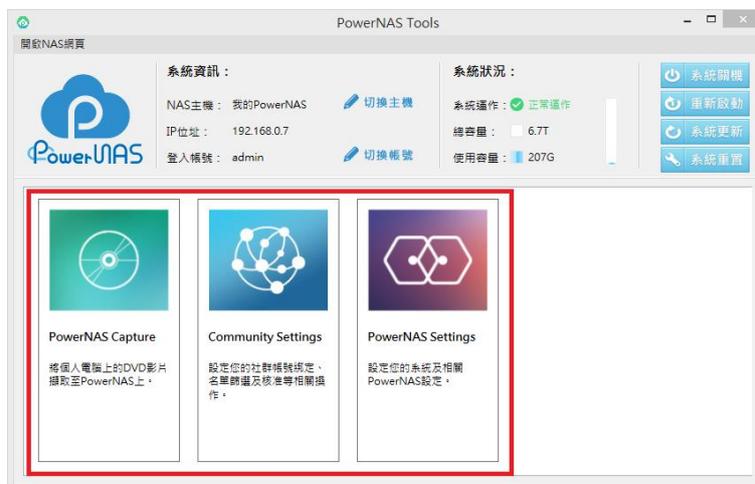
The system button panel of “PowerNAS Tools” provides four buttons for system operations to let you perform system operations via “PowerNAS Tools” directly. They are System Shutdown, Restart, System Update and System Reset.



App Tools

The app tool area on the lower “PowerNAS Tools” page provides three app tools. They are PowerNAS Capture and two Settings. They enable you to

use the network storage system function in PowerNAS in a more convenient way.



PowerNAS Capture

“PowerNAS Capture” has the ability to capture the videos on your DVD discs and store them in the app tools in PowerNAS space. Then, at any time you wish, you can directly enjoy the conserved videos in the space via XMBC Play. It is really very convenient! Now let us demonstrate the procedure of DVD capture.



On the app tool panel, find the “PowerNAS Capture” option. Click to go into the guiding page. If you are using this function for the first time and have not installed “PowerNAS Capture” yet, then, as you press the “PowerNAS Capture” button, the system will guide you to the PowerNAS official website. It will ask you to first download the installation file for “PowerNAS Capture”.

After installation, click on the "PowerNAS Capture" app shortcut on the Windows desktop to open it. Put the DVD disc into the DVD ROM. Then select your DVD ROM location in the drop down menu. Next, select the stored path of your DVD capture to be stored.

If you check the "PowerNAS" directly, after completion of capture, your video will be put in the "Public > Video > DVD Capture" folder of PowerNAS. If you want to store the video in this path, you can check the "Local Computer" option by pressing "Browse" to select the preferred path in "Local Computer".

Otherwise you can enter 錯誤! 超連結參照不正確" **storage path** " by yourself.

In this way, you can store videos in other paths than PowerNAS space.



Additionally, if you want to quickly select the file path in the PowerNAS, you can use the Windows File Manager to mount the hard drive space of PowerNAS as your web drive in local computer. Then you can quickly access the folder permitted. To learn the way to setup the PowerNAS space as a network disk drive, please refer to [How to use PowerNAS as a Network Drive](#).

Now the DVD capture is ongoing. After completion, you can find the DVD capture in the stored target folder. In the future, you don't have to trouble

yourself to find the DVD disc and put it into a computer or TV player to watch the capture!



Settings

The major purpose of PowerNAS Settings is to guide the user to go into the PDM webpage in PowerNAS via page to go on further setting. First of all, follow the same procedure to go into the “PowerNAS Settings” page via the main page. Then press “Open”. The system will remind you that you will go into the PowerNAS webpage. You must re-login on this webpage. Next, you will go into the login page in PDM. For details of the settings, please refer to the [PowerNAS PDM Webpage User Manual](#).

The function of Settings is into two parts: The first is “Community Settings”, regarding community accounts, permission, friends list, etc. The second is “PowerNAS Settings” regarding system settings and PowerNAS related settings. These two functions will guide the user directly, via buttons, to access the PDM webpage corresponding settings page to do further related setup. As you press the button, the system will prompt you with a reminding window to remind you that you will go into the PowerNAS page. Please press “Confirm” on the “Login Again” message to log into PDM. Then you can start to setup related contents at once.



After entering your account/password, you can log into the Settings page normally. Regarding settings details, please refer to the next **PowerNAS Data Manager**.

PowerNAS Data Manager

PowerNAS Data Manager (abbr. as PDM) is the webpage managing interface of PowerNAS. It features a simple and pleasant appearance and ease of use. You can use the browser to log into this interface to manage your PowerNAS.

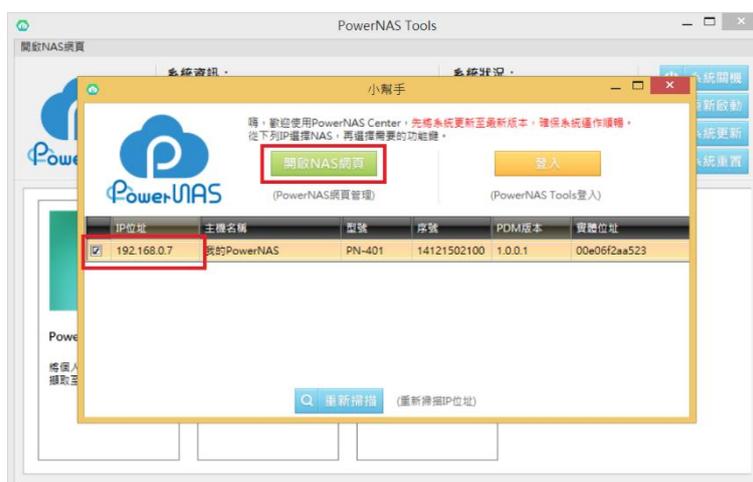
How to Login to PDM

Just by entering the PowerNAS IP address into your browser, you can open the PDM interface. If you don't know your PowerNAS IP address, you can use the "PowerNAS Tools" app to search the PowerNAS IP and then enter it

in your browser. Otherwise, in “PowerNAS Tools”, there are many ways to open PDM directly.

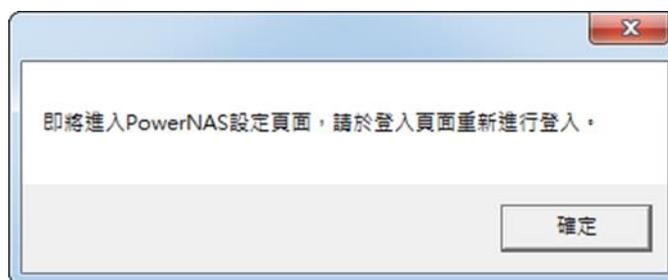
Login Screen to Open PDM

When you open “PowerNAS Tools”, it will scan all the PowerNAS systems within your domain automatically. Then you check one PowerNAS and press the “開啟NAS網頁” button. It will guide you to the PDM Login page of that PowerNAS.



Using PowerNAS Settings to Open PDM

After you login the “PowerNAS Tools”, click on the PowerNAS Settings button directly. A reminding message window, “Will go to PowerNAS Setting page. Please login again in the login page.” then appears. After pressing the Confirm button, it will guide you to the PDM Login page. After logging in, you will access the PDM Setting page.



After opening PDM, the screen is as below. Please enter your account/password. After entering, press the Login button to log into PDM.



PowerNAS Data Manager Operation Interface

If you use the admin account to log into PDM, the homepage will show as below. Next, we introduce the details of these functions.



1. **Settings:** You can set up and manage your PowerNAS system, system info, hard drive info, user account, online friends list, user group, etc. here.
2. **XBMC Package Center:** Provides the outlined operation instructions of XBMC graphic interface.
3. **File Management Center:** By pressing this button, you can manage your personal files, your group files and public space in this center.
4. **Sticky Notes:** By pressing this Sticky Notes button, you can then use the function of Sticky Notes to leave messages on the login page.

5.

Today's Weather: This button provides you with the current outdoor weather conditions. You can follow the current outdoor conditions to select your clothes and accessories.

6. **Power Gadget:** When you press this button, it provides the graphic outlines of the Windows 8.1 package and Android PowerCloud software. For details on usage, please refer to the Windows 8.1 package and Android PowerCloud software instructions.

7. **PowerBox:** You can add PowerNAS extensions to let you expand more functions to PowerNAS.

8. **Hard drive Monitoring Panel:** This provides you the real-time hard drive status as you press once to open the detailed info on the hard drive. It will help you link to the hard drive management interface.

9. **System Control Center:** You can adjust your language system here (traditional Chinese, English) and control your system (For instance: Logout, Restart NAS and Close NAS) of PowerNAS.

Setting

On the operation page of homepage, press the setting “” icon, you can go into the setting function. Now introduce the five major functions in details as follows:



1. **System Management**: Check the host info of PowerNAS and the system operation related functions such as system reset, update system, backup and restore your PowerNAS.
2. **User Management**: Manage your user and groups.
3. **Hard Drive Setting**: Check the current all info and usage status of hard drive. You can reset the hard drive in this page.
4. **Network Setting**: Setup the network connecting method to PowerNAS and other network-related details settings.
5. **Personal Settings**: You can manage your community network list(Facebook) on this page. For instance, bind your PowerNAS and community network account and set up the permissions for your community network friends who can connect to your home PowerNAS.

System Management

Check the page info: You can check the PowerNAS host detail info in this page such as type, hardware info, host name, etc.

名稱	型號
型號	PN-001
序號	pn-test-0-58
CPU	Intel(R) Celeron(R) CPU 1037U @ 1.80GHz
記憶體	1780 MB
碟片 1	
碟片 2	
服務商資訊	Copyright © 2014 Intel Technology for 8th Edition

System Update: In the System Update function, you can perform the PowerNAS system update. PowerNAS will automatically detect if your system is the newest version. When it detects a new system version, the following message will appear “※ It is detected the system has an updated version, do you want to update now?” If you press the “Yes, start system update”, then your system updates automatically.



System Reset: You can perform the reset of PowerNAS system here. PowerNAS provides you two options for system reset: “Conserve User Account and All Hard Drive Data” and “Do Not Conserve User Account and Clear All Hard Drive Data”.



System Backup and Recovery:PowerNAS provides a service where you can upload your system settings file to Cloud space to perform backup. If you want to backup your PowerNAS system settings in the Cloud, you can press the “Upload Backup” button to upload data to Cloud. If you change the setting accidentally next time and you want to restore the habitual setting mode, just press the “Download and Restore Backup” button. Then you can use the settings file uploaded to Cloud to perform settings recovery.



User Management

User management Interface provides the functions of Add, Modify and Delete of user account and group. Only the system administrator (admin) can use the account of this setting.

User Management



1. User/Group Management Page Switching
2. Delete the Selected List: If you want to delete users, you just check the box by that user. Then press the “Delete Selected List” button. If deleting multiple users, just check more users before deleting!
3. Add User: You can create accounts to the persons you share with such as family, friends and even colleagues. First of all, press Add User to go into the Add page. Key-in the account and password awarded to that user. Press “Next Step”. Next, it requests you to confirm that the user account info is correct. After confirmation, press the “Finish” button. The creation of the user account is complete!



4. User Account Info: Here you can see all the users and their permits to use this PowerNAS.
5. User Permission Setup: Define the permissions of functions the user can own. If you want to open or close any user's permission, just click the mouse on the user's permission icon. (Grey: close permission, Colors: open



6. Modify or Delete User: If want to delete a single user, you can press the “✘” after that user directly. After the prompt of Confirm Deletion message window, click “Confirm” to complete deletion. If you want to modify a user’s password and group, just press “✎” before accessing the Edit page. Then follow the instructions on that page to access the modifications.

Group Management

選擇	群組名稱	操作
<input type="checkbox"/>	jerry	設定密碼 ✎ 刪除 ✘
<input type="checkbox"/>	amika	設定密碼 ✎ 刪除 ✘
<input type="checkbox"/>	test	設定密碼 ✎ 刪除 ✘
<input type="checkbox"/>	zzz	設定密碼 ✎ 刪除 ✘
<input type="checkbox"/>	xxx	設定密碼 ✎ 刪除 ✘
<input type="checkbox"/>	a-a	設定密碼 ✎ 刪除 ✘

1. User/Group Management Page Switching

2. Delete Selected Group :If you want to delete multiple groups, just check multiple checking boxes before the groups. And then press the “Delete Selected Group”. Multiple groups are deleted now!
3. Add Group :You can create groups and classify users into each group, such as family group, friend group, colleague group, etc. First, press “Add Group” to go to the Add Group page. Enter the group name and then click the “Add User”.

新增群組

名稱必須是英數，且開頭不可為特殊符號或數字囉。

family

加入使用者

下一步

Now check the user to be put in this group. After checking, press “Confirm”. Next you are requested to confirm that the created data and members of this group are correct. If yes, click on “Finish” to finish the creation of the new group. Then these users can access the shared folder of the group.

新增群組

全選

<input type="checkbox"/> admin	<input type="checkbox"/> jerry
<input type="checkbox"/> Nas Pow	<input type="checkbox"/> Jiamei Chen
<input type="checkbox"/> Jerry Yen	<input type="checkbox"/> xyz
<input checked="" type="checkbox"/> user	

上一頁 1 下一頁

確認

4. Group Info Panel: All the group names created on PowerNAS.
5. Check Group List: If you want to check the users in the group now, just click on the “Check Group List” link of that group. Then you can go into the user list page to check.
6. Delete or Modify Group: If you want to delete that group, just click on the right “✘” button. After the confirming window prompts, press “Confirm”. That group is then deleted.



Pressing the “✎” button will allow you to edit the group. After accessing the editing page, you can add or remove users. You just have to check a user or cancel a user check. Then press the “Confirm” button. Select “Next Step” after going back to group page. Then after confirming the modification is correct, click on “Finish” to finish the editing of group members.

Hard Drive Settings

On the Hard Drive Settings management page, you can check the hard drive info, reset your hard drive backup method or reset hard drive data.

槽位	型號	序號	容量	狀態
插槽1	WDC WD60EFRX-68MYMN1	WD-WX31D847K0J7	5589.02GB	良好
插槽2	WDC WD60EFRX-68MYMN1	WD-WX31D847K9DR	5589.02GB	良好
插槽3	WDC WD60EFRX-68MYMN1	WD-WX31D847K2EH	5589.02GB	良好
插槽4	WDC WD60EFRX-68MYMN1	WD-WX11D84JNH35	5589.02GB	良好

我的總碟片容量43G，共11T

重新設定磁碟

The red block is the hard drive info page. You can find the hard drive type no.,

hard drive series no. , total capacity, used capacity and if the status is normal regarding to current PowerNAS machine.

If you want to reset your hard drive data, you are requested to press the “Reset Hard Drive” button on the blue block. The system will guide you to the hard drive formatting page as below. Then just operate by following the Setting Hard

Drive Format

After setup of host name and administrator password, the system will guide you to the page for hard drive setup.

for the first time setup of PowerNAS!



Network Setting

The Network Settings management page is a place for you to inquire and modify the Internet Protocol (IP) address or wireless network (Wi-Fi) connection setting and dynamic domain name setting (DDNS).

IP Setting

1. First Network Port: When you stay at the network setting page, you can see whether the current network is normal. For IP settings, you can select “Auto Input IP Address” or “Manual Input IP Address”.

網路1
網路2
DNS


網路連線正常


IP設定

自動取得IP位址

手動輸入IP位址

IP位址： . . .

子網路遮罩： . . .

預設閘道： . . .

2. Second Network Port: PowerNAS provides you two network ports. On this page, you can check the connecting status of two network ports. If you just have only one network cable, then the “Network Not Connected” shown in “Network 2” page is normal.

IP設定

如果您的網路支援這項功能，您可以取得自動指派IP設定。
否則，您必須詢問網路系統管理員正確的IP設定。

網路1 網路2 DNS

網路未連線

確認

3. Domain Name Setting(DNS): You can select “Auto Acquire DNS” or “Manually Input DNS” to set your habitual domain name.

網路1 網路2 DNS

DNS設定

自動取得DNS

手動輸入DNS

備用DNS伺服器: 8 . 8 . 8 . 8

其他DNS伺服器:

確認

Wi-Fi Setting

1. Share Wireless Network: In the Wi-Fi setting, you can set PowerNAS as the wireless network router currently at home to share the wireless network signal. You just open the ON/OFF of “Share Wireless Network” option and then press the “” button to the right of the Wireless Name to setup your wireless network name. Press the “” button to the right of the Wireless

Password to set your wireless password. After finishing setup, press the Confirm button. Now your PowerNAS is changed into a multi-functional wireless network router!

The screenshot shows the 'Wi-Fi設定' (Wi-Fi Settings) page. At the top, there is a toggle switch for '分享無線網路' (Share wireless network) which is currently turned '開啟' (On). Below this, there are two input fields: '無線名稱' (Wireless name) with the value 'PowerNAS' and '無線密碼' (Wireless password) with the value 'powernas'. A green '確認' (Confirm) button is positioned below these fields. At the bottom of the page, there is another toggle switch for 'Wi-Fi連線' (Wi-Fi connection) which is currently turned '關閉' (Off).

2. Wi-Fi Connection: If you have a wireless network router in your home and you don't want to have your PowerNAS connected through a lengthy network cable, you need to open the "Wi-Fi Connection" On/OFF switch and press the "Search Network" button. After finding out the wireless network in your home, then enter the wireless network password to login. Thereafter, Your PowerNAS can move to any space you like in your home!

The screenshot shows the 'Wi-Fi連線' (Wi-Fi Connection) page. At the top, there is a toggle switch for 'Wi-Fi連線' which is currently turned '開啟' (On). Below this, there is a section for '已選擇連線' (Selected connection) showing '無線網路基地台: Powernas'. Underneath, there is a '密碼' (Password) field with a masked input (dots) and two buttons: '取消' (Cancel) and '確認' (Confirm). At the bottom, there is a list of available wireless networks: 'IMK', 'hwa-shengs', 'Powernas_AC', and 'iTe2-AirPort 5 GHz'.

DDNS Settings

PowerNAS provides the function of applying domain. By using DDNS, you can easily reach the functions of sharing your PowerNAS in community network, connecting to your PowerNAS at any place providing internet, etc. At the DDNS page, please click the "Start Setup" button to access the DDNS

Register page. Please follow the instructions to enter your preferred website address name (First letter in English or alphanumeric) and your usual e-mail. After entering, press “Next Step” to finish your DDNS settings.

Personal Setting

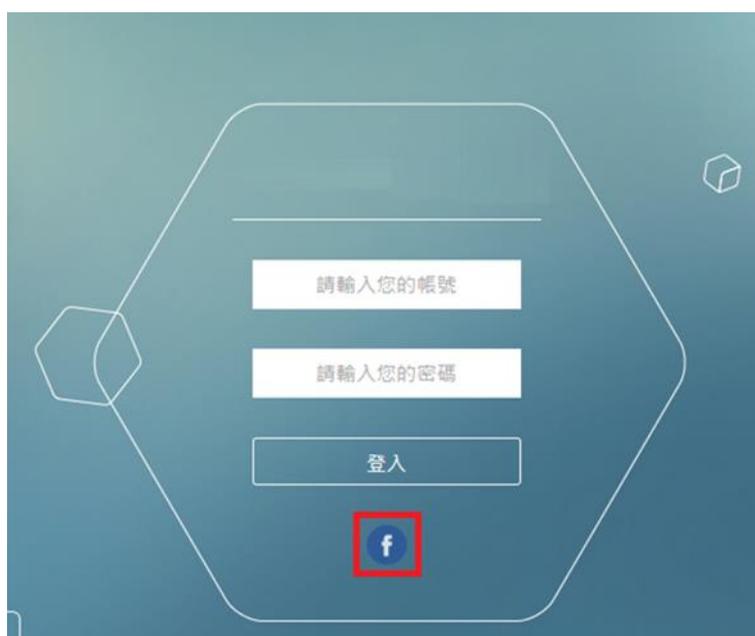
PowerNAS provides a unique community integration service. You can use the personal settings function to permit your Facebook friends to log into your PowerNAS to reach the effect of sharing community space. Before using the community service function, you must first finish the DDNS setting within

Network Setting

Account Binding: You just need to click on”  ” on the Personal Management page. Then you can use your account to bind the Facebook community account.



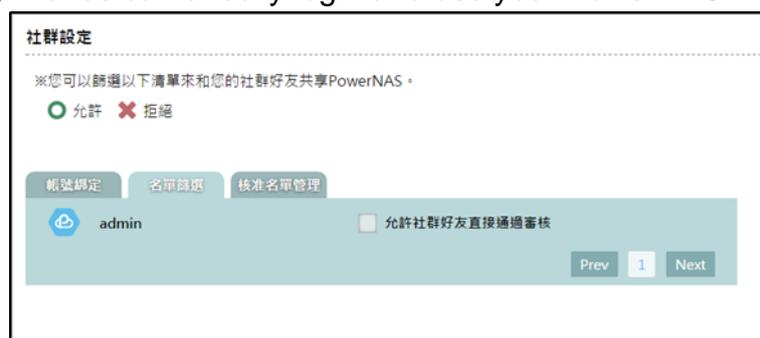
If your community website account is bound to the system administrator's account, then you can let your Facebook friends click on the “” on PDM Login screen and then login directly into your PowerNAS through the next “Name List Screening” action.



On the account binding page, you can see your login account name and the Facebook account bound now.



Name List Screening: This lets you see the current list of community friends who apply to use PowerNAS. After reviewing your friends and pressing “Permit”, that friend can then login to use your PowerNAS. If you feel it is too troublesome and don’t want to review one by one, just check “Permit Community Friends to Pass Review Directly “. In the future, any of your community friends can directly login and use your PowerNAS.



Approved Name List Management: You can manage the approved community friends on the Approved Name List Management page. The first time approved community friends only has permission to read PowerNAS file space. If you want to modify a friend’s permission to use other functions, you just need to click on the icon to the right of your community friend to adjust permission!

社群設定

- 允許社群使用者編輯檔案。 不允許社群使用者編輯檔案。
 允許社群使用者使用本機使用者權限。 不允許社群使用者使用本機使用者權限。
 刪除使用者

帳號綁定	名單篩選	核准名單管理
admin		

綠色圖標 為允許社群使用者編輯檔案

紅色圖標 為允許社群使用者使用本機權限

圖標顯示灰色 表示未開放權限

XBMC Package Center

By using XBMC package, you can play videos, photos or music on PowerNAS space at any time. Easily share the happy hours with family by playing multimedia.

Before using the XBMC package function, you must ensure your machine has been connected to an external monitor before turning it on. If not, you must shutdown PowerNAS first. Then connect it to your home monitor such as a TV or computer screen, etc. After installation, directly go into the XBMC control interface just after turning on the machine. You only need to operate it via an external keyboard or mouse. Then select the files to be played according to the file type.



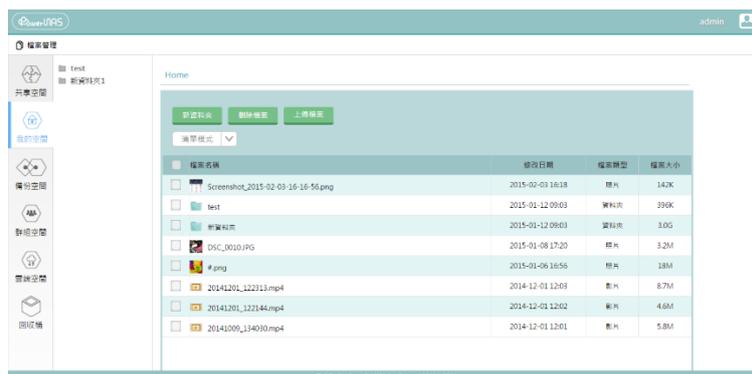
Local Computer Login Ubuntu

If you are familiar with Linux and want to login and use Ubuntu, you just need to select the Power button and then “Logout” on standby screen of the XBMC package center. Then your screen will change into an Ubuntu Login screen.



File Management Center

If you want to upload, delete or move data in your PowerNAS, you can press “File Management” on the PDM operation interface homepage to access the file management interface.



Local Computer Space

There are four parts in the PowerNAS local computer space: Share space, My space, Backup space and Group space. Their usage methods are the same.

Via three buttons, **新資料夾**, **刪除檔案** and **上傳檔案**, you can easily finish file management. However, each space has different permissions.

Space Name	Permissions
Share space	All users can access
My space	Private space only the user can access
Backup space	A space used by the PowerNAS backup function
Group space	The other persons in the user's group can also access

Cloud Space

While you purchase PowerNAS, ITe2 Technology provides you 5G free Cloud space. This space will not exist in your PowerNAS hard drive, but in the external storage server of the internet. Therefore, when you want to use the Cloud space, please perform the “mounting” action. After “mounting”, the remaining operations are the same as the Local Computer Space!

Recycle Bin

The personal files you deleted will go into the Recycle Bin. If you delete files improperly, you can recover the files here. Confirming your deletion and to no longer occupy the hard drive space in PowerNAS, click on "Clear Bin". All the abandoned files will then be deleted forever.

Sticky Notes

Maybe there are a lot of sticky notes and paper notes on your fridge or door to remind you of everyday tasks. PowerNAS provides a Sticky Notes function to let you leave messages on the PDM home page to other persons or yourself as a reminder. It is really practical and fun!

After accessing Sticky Notes interface, press the "Click Me to Add Sticky Notes" on the upper left corner of the page.



Write the text message to leave inside the frame. Press the ENTER button. The message will show on the PDM homepage!



Today's Weather



PDM provides you the current outdoor weather conditions on the homepage. You can choose your clothes and accessories according to the current outdoor conditions. Click on today's temperature and then select your city and degree C /Degree F on the drop-down menu. After selection, press "Confirm". Then you can see the local weather on your PDM homepage.

天氣設定

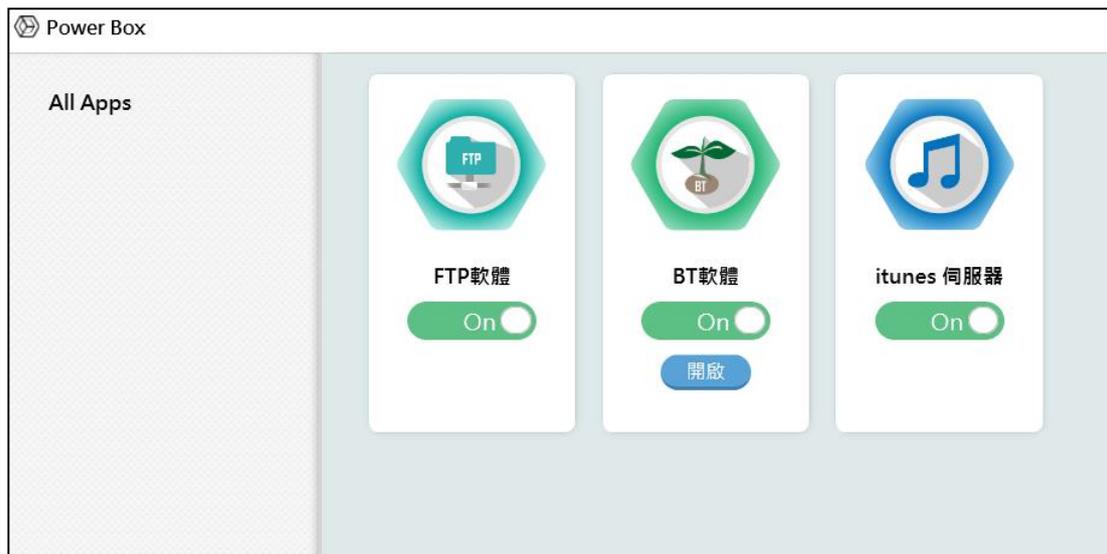
請選擇顯示地區： ▼

請選擇溫度單位： ▼

PowerBox



PowerNAS provides three extension packages in the PowerBox to make your PowerNAS applications broader.



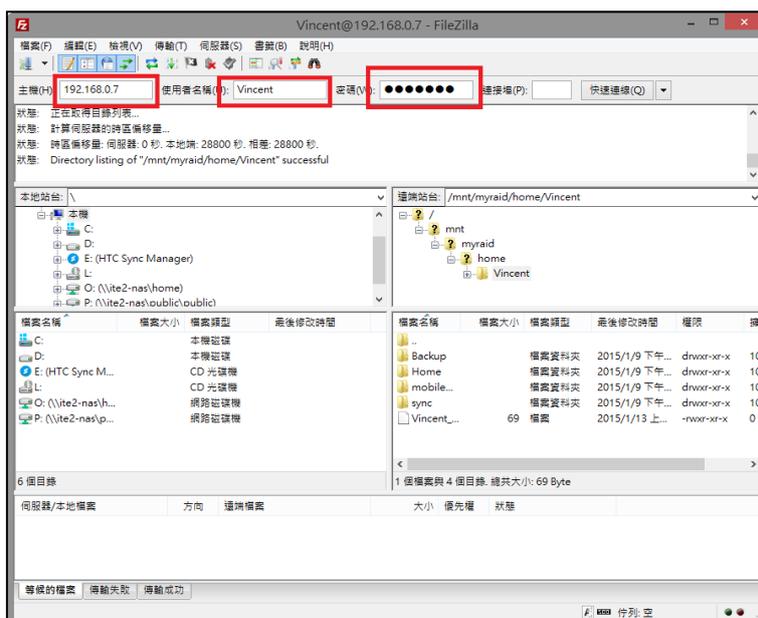
FTP Server

If you want to open the FTP Server function, just click on the switch below the "FTP Software" directly to show ON. Then you can transmit files via FTP Transmit software by following the steps below.



Open the FTP software. Enter the following three data in the FTP software. Then you can use the FTP and PowerNAS to transmit files.

1. IP address or complete domain name of PowerNAS
2. User account and password of your PowerNAS
3. Port No. (Default is 21)

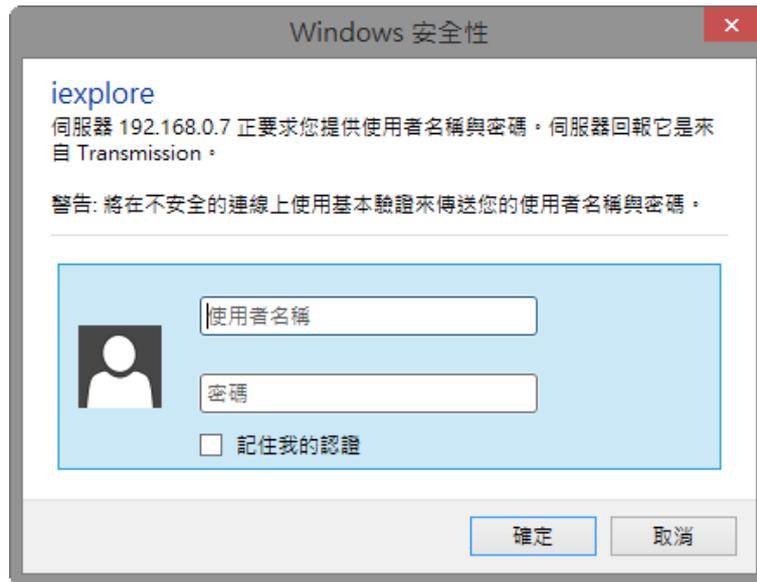


BT Software

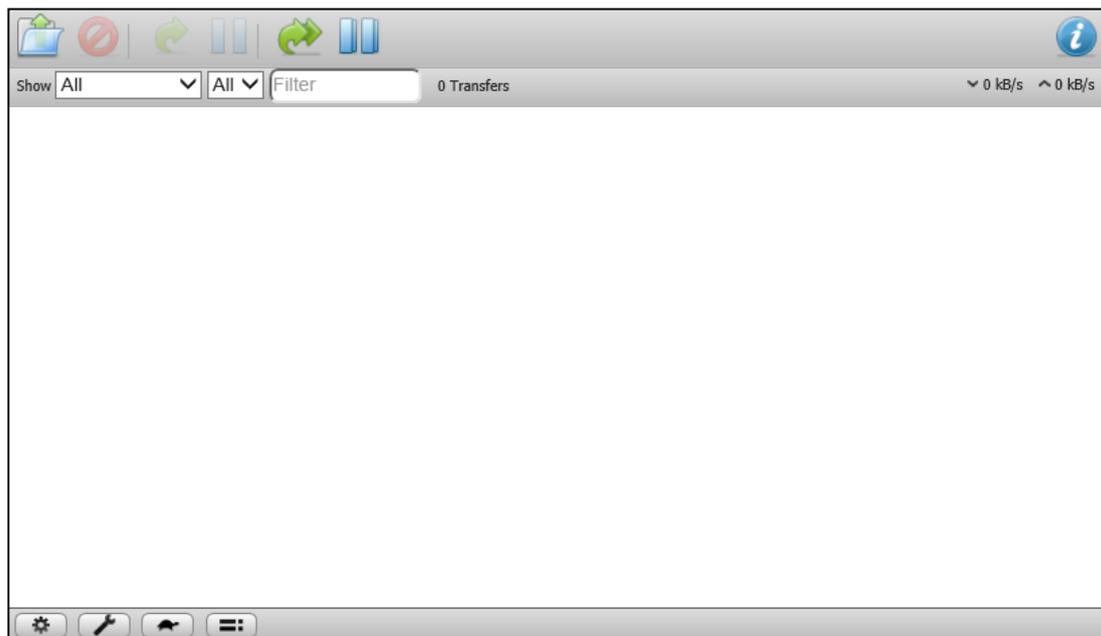
If you want to use the BT software to download files on PowerNAS, please first open the BT function. Click on the switch button below “BT Software” to show “On”. Then press “Open”.



It will then prompt a safety verification window to ask you to enter account and password. Please enter “transmission” in both account and password. Press “Confirm”. Then the system will automatically guide you to the usage page of BT Software.

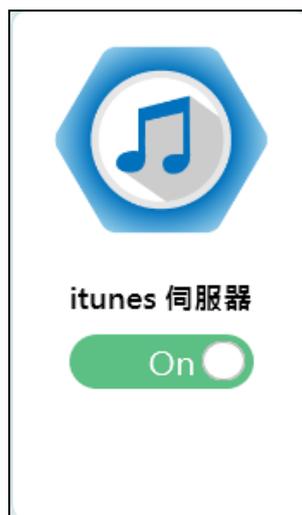


Now you can use this BT tool page to download BT files!



iTunes Server

You can use PowerNAS as an iTunes Server. Similarly, just open your iTunes Server function.



After that, click on the  symbol on your iTunes of your computer. Then select your PowerNAS server. iTunes will automatically search all the music put in your PowerNAS. As soon as searching is finished, you can enjoy all the music on PowerNAS via iTunes.



Other Applications

How to use PowerNAS as a Network Drive

You can mount the PowerNAS Hard Drive Space on Windows File Manager as a network drive of a local computer. It can be a file share center in a company or at home.

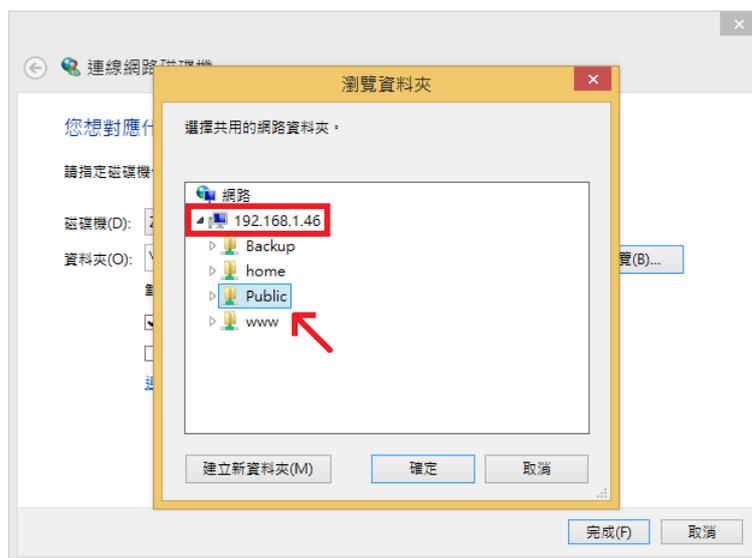
First of all, click the right button on the “My Computer ”. Open the function menu. Click on the “Connect to Network Drive”.



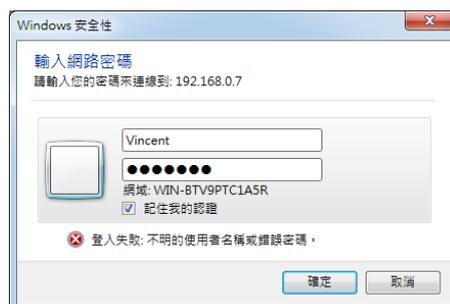
On the setting window of Connect Network Drive, you select the hard drive designation (cannot be the same as any drive designations!) of the PowerNAS network drive to be used in a local computer firstly. Then enter your PowerNAS IP address into the input bar next to Folder. Click “Browse”.



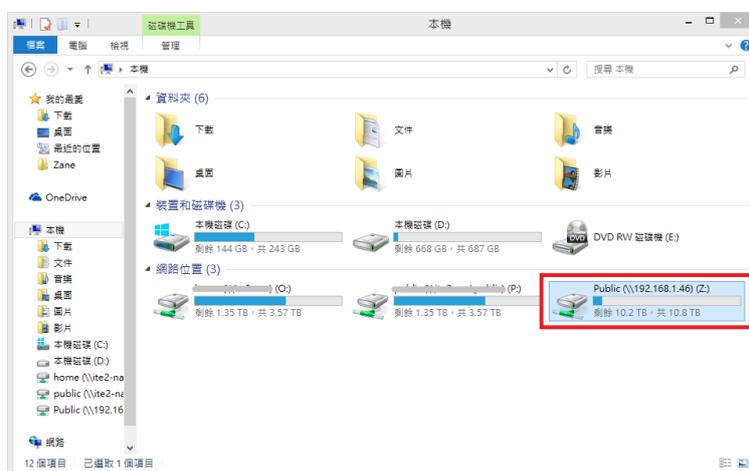
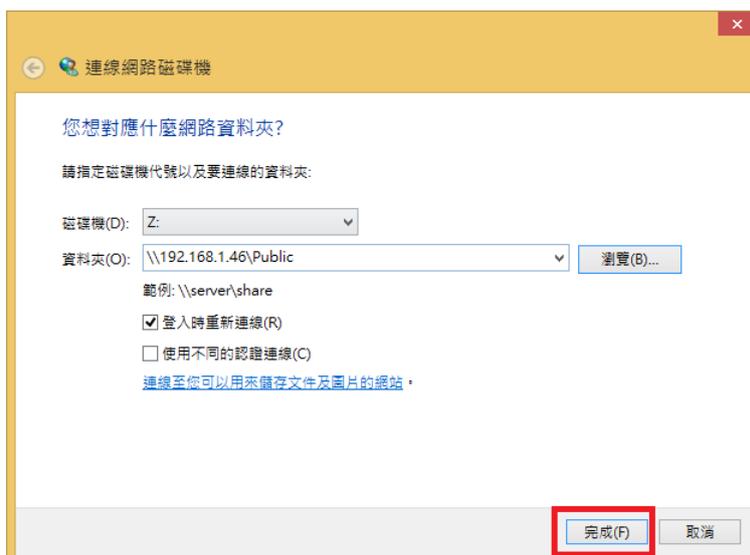
In the Browse Folder window, click the PowerNAS in your local network and extend its content. Then select the folder in PowerNAS to be mounted as the network drive. If the mounting folder is a public folder “Public”, then you just need to select the “Public” folder directly, and press “Confirm”.



By entering the account/password, it can mount with the Private space or Backup space of that account. Please remember to check the ‘Remember My Verification’. Otherwise you have to re-enter while using the network drive!



Next you are requested to confirm again if the designation of network drive to be mounted and the folder path are correct. Then press “Finish” to complete the setting of mounting network drive!

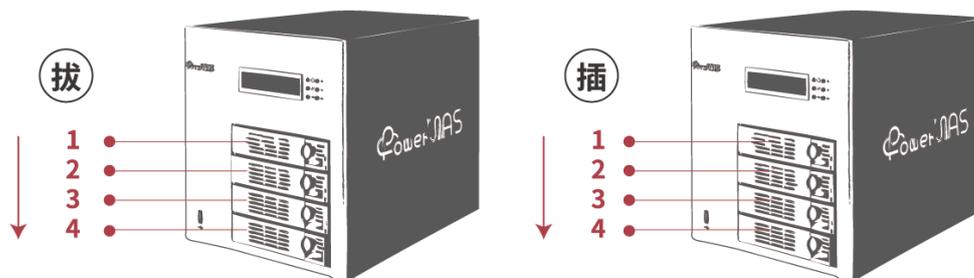


Resetting System Administrator Password

If you forget the System Administrator Password of PowerNAS accidentally and cannot use the system administrator to login PowerNAS, you can use the following operations to reset the System Administrator Password of PowerNAS.

Step 1

Press the Turn-Off button  on the system panel to shut off the power to PowerNAS. Then pull out all hard drives and turn on the power to PowerNAS.



Step 2

If the system version is 1.0.0.0, enter the following website address in the browser address: "<http://your PowerNAS IP address/PowerNAS/FHD/FUserReset.php>" (case sensitive). If the system version is higher than 1.0.0.2, enter the following website address in the browser address "<http://your PowerNAS IP address/pownas/userreset.php>" (case insensitive).



After completion of resetting System administrator Password, press "OK, go

to next step". Then the system will close the PowerNAS power automatically. After the resetting, an instructive window of Setting Finished will prompt. It also shows the password of the defaulted System Administration Account (padmin).

This is the unique way to get the password of system-defaulted administration account by webpage. This password will be random-updated automatically as system settings are finished for the first time. ITe2 Technology cannot access this password. If the password was lost, as you reset the admin password here, meanwhile the padmin password is updated. Users with Linux experience can use this set of account/password to log into the system to perform in-depth settings.

Step 3

Wait until the system power is shut off. Then, put back all the hard drives

back in order. Turn on the power again. You can use the new System

Administration Password to login now!