

Personal Server

Instruction Manual



www.lindy.com



No. 32454

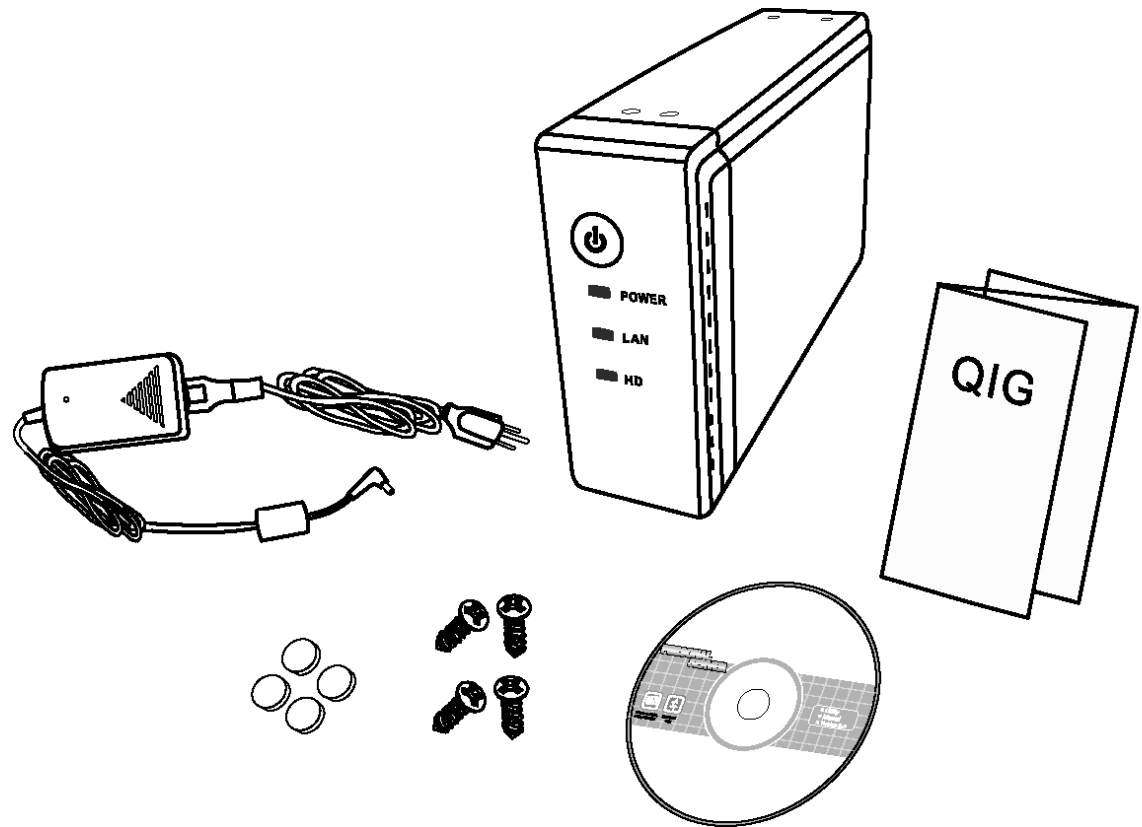
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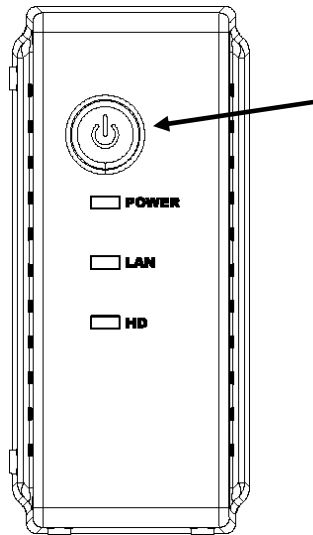
What's in the box?

Thank you for purchasing the LINDY Personal Server. Before you move on, please verify your package contains the following items:

1. One Personal Server (Hard Disk not included)
2. One Power adapter
3. One Quick Install Guide
4. One Utility/Manual CD-ROM
5. Rubber foot x 4
6. Screws for HD installation x 4



Front Panel

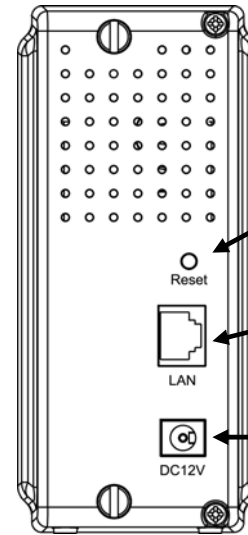


Power Button

After connecting the Personal Server to a mains power outlet, press this button to switch on

To power off, press and hold the button for two seconds until the power LED flashes

Rear Panel



Reset Button

Press this button to reset the Personal Server to its default settings

LAN Port

Connect the network cable here

Power Connection

Connection for the external power adapter

LED Indicators

LED	Status	
Power	ON /OFF	Green/Off
	Boot/Shutdown	Blinking
LAN	Ethernet Connected	Green
	Ethernet Not Connected	Off
	Ethernet Data transferring	Blinking
HD	Data Transfer	Amber/Blinking

Configuring network protocols

To allow users to launch the device easily we have provided a convenient **Quick Setup Wizard** which automatically detects the Personal Server on your LAN.

To run the Wizard correctly, please ensure that your PC does not obtain an IP address automatically; otherwise it will not be able to initialize the setup procedure according to your network settings. To get around this problem you can either configure your PC with a static IP address or connect it to a router with an embedded DHCP server.

The following section indicates how to configure your PC with an IP address. Users of PCs that are already configured with a static IP address can skip to the next chapter – **Hard Disk Installation**.

How to configure your PCs TCP/IP settings

Before proceeding you must obtain an IP address in advance. If you don't have an IP address or you are not going to access the Personal Server via the **Quick Setup Wizard**, please choose an address (highlighted in blue) within the following range:

192.168.1.2 to 255

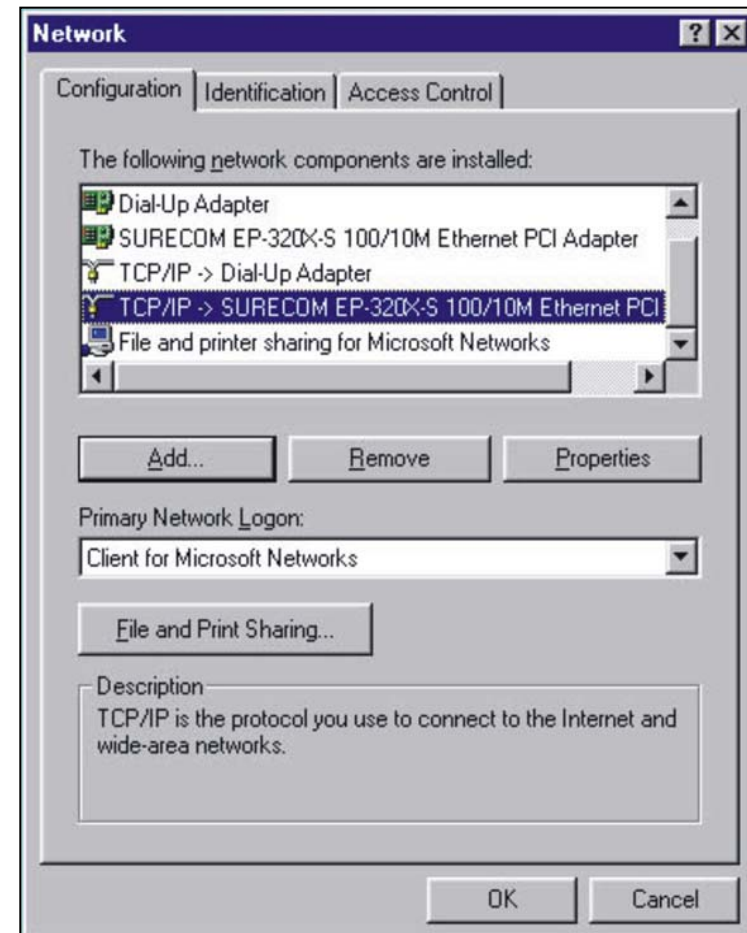
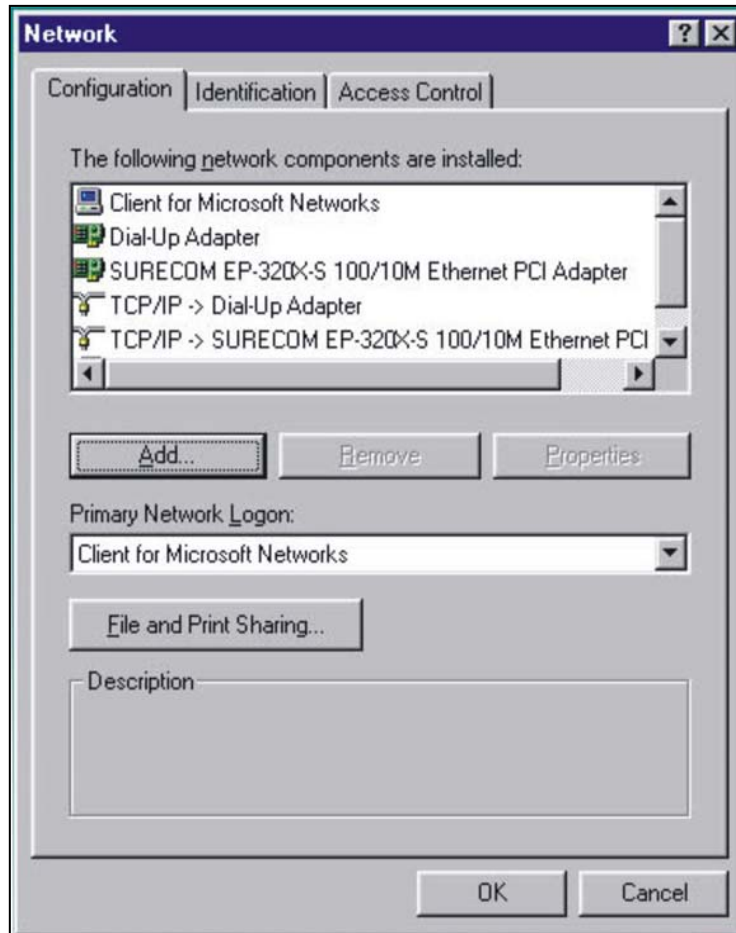
Please do not choose **192.168.1.1** as this has been set as the default for the network device.

In the following TCP/IP configuration guide, 192.168.1.2 is assumed to be your IP address.

IP Protocol Setup

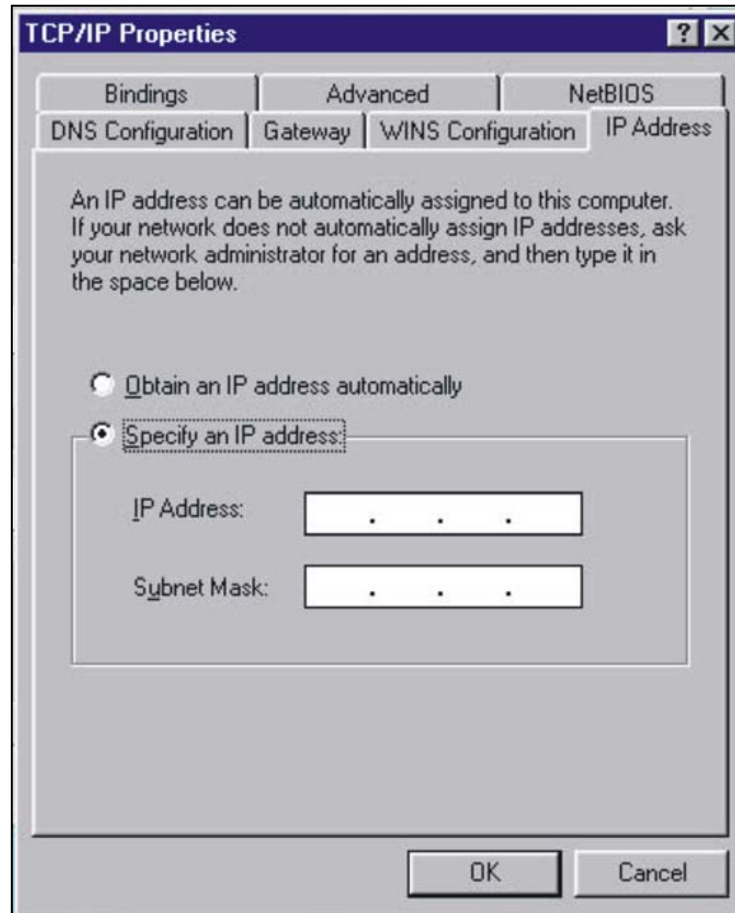
Configuring TCP/IP settings (Windows 98/Me)

1. Click **Start >Settings >Control Panel >Network**
2. Select **TCP/IP >(Your Ethernet Adapter)**, then click on the **Properties** button.

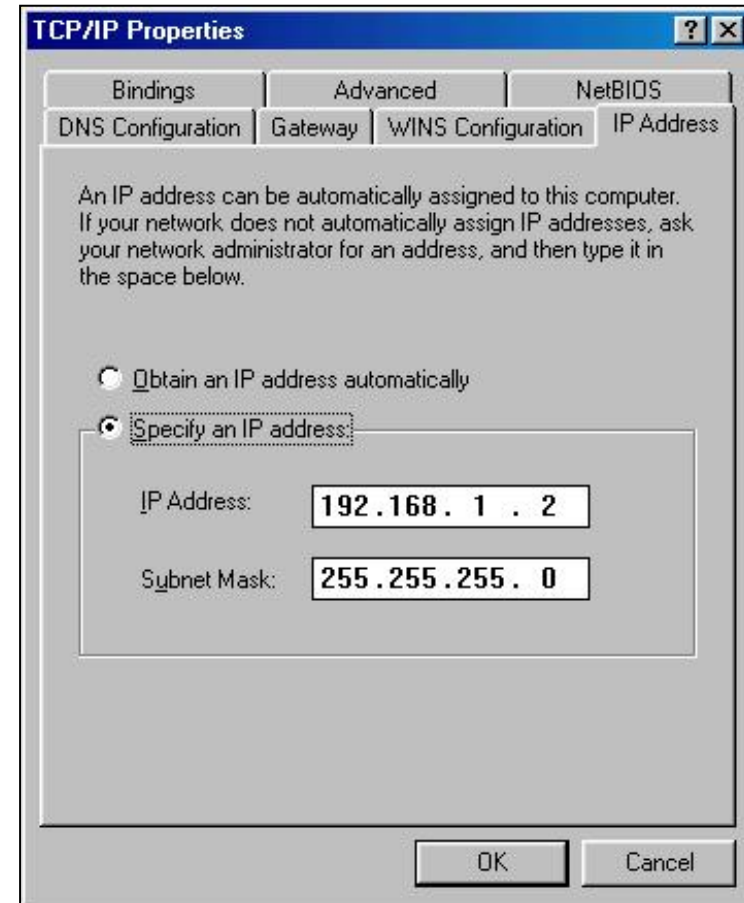


IP Protocol Setup

3. Click **IP Address** and then select **Specify an IP address**



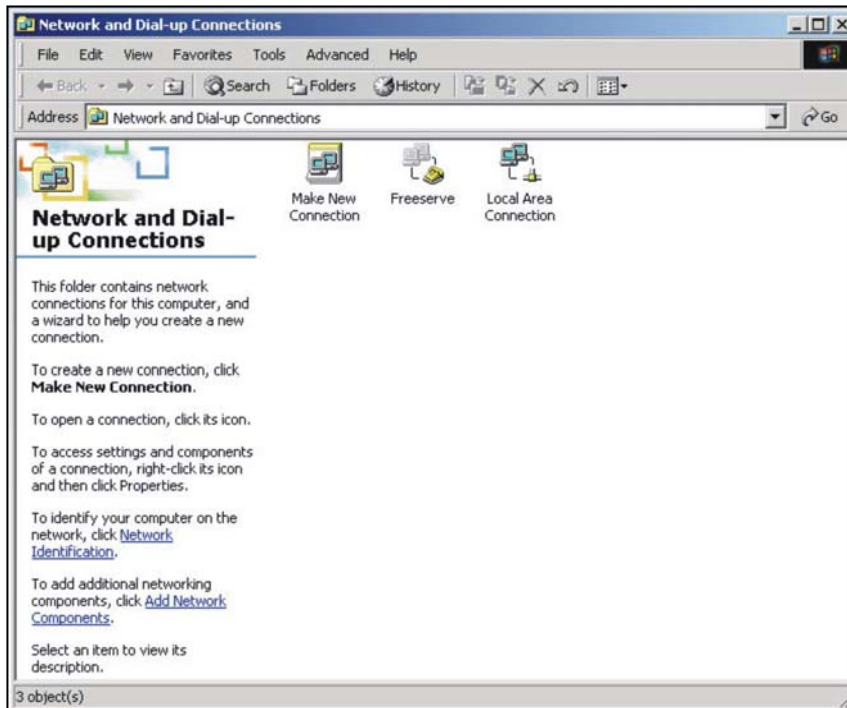
4. Type in the IP address. The subnet mask is **255.255.255.0**



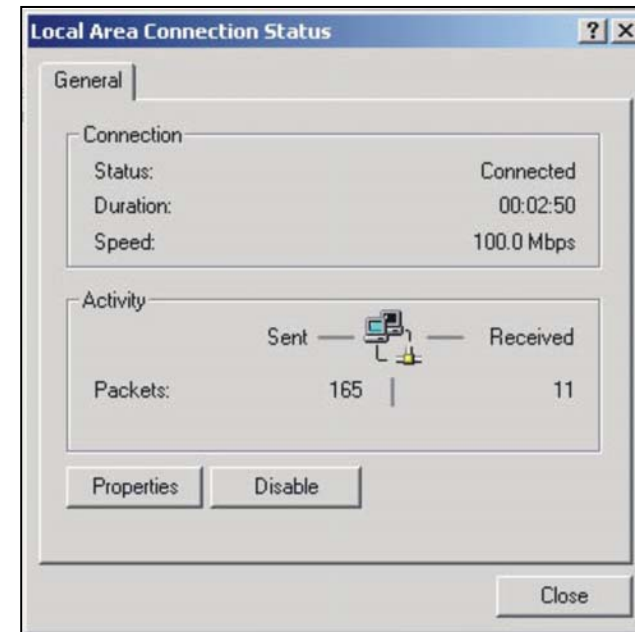
5. Click **OK**, then **OK** again. The system may ask for your Windows CD. Follow the on-screen instructions then restart your PC.

Configuring TCP/IP settings (Windows 2000)

1. Click **Start >Settings >Network and Dial-up connections**

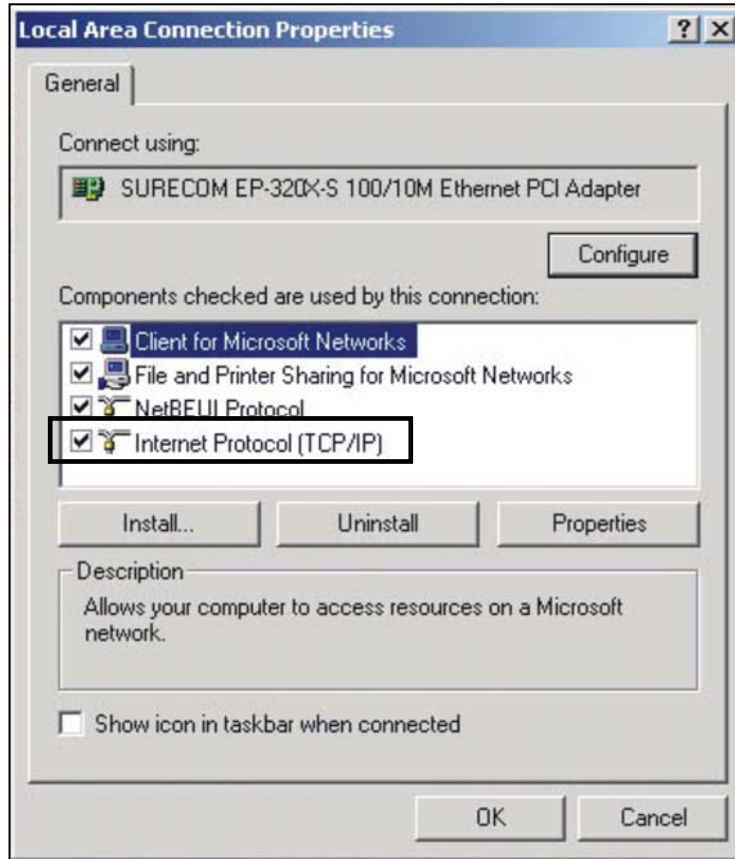


2. Double-click on **Local Area Connection** and then click on the **Properties** button

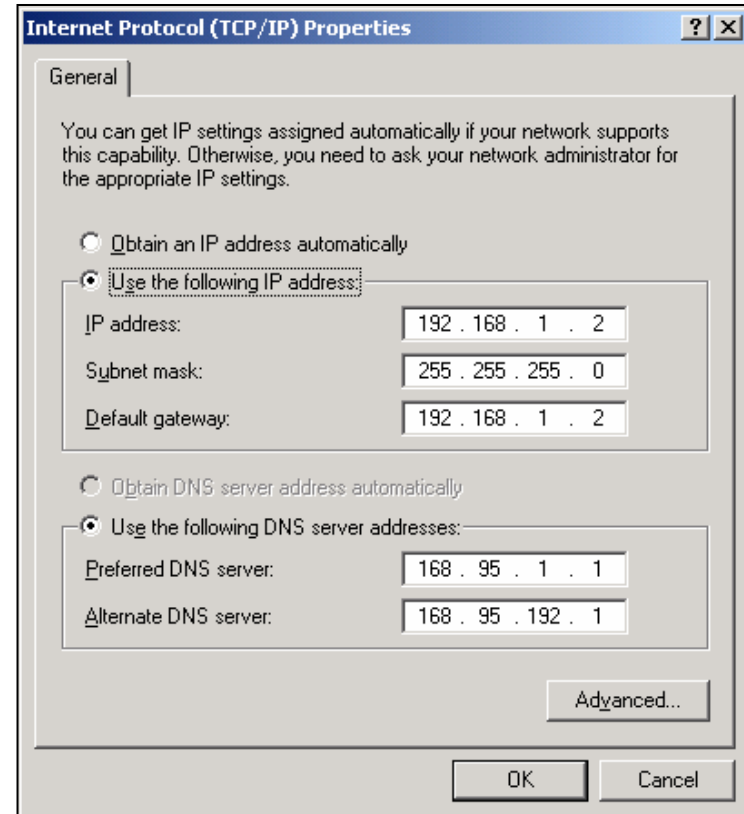


IP Protocol Setup

3. Highlight **Internet Protocol (TCP/IP)**, and then click **Properties**



4. Select **Use the following IP address**. Enter the IP address. The subnet mask is **255.255.255.0**. Click **OK** and restart your computer.



IP Protocol Setup

Configuring TCP/IP settings (Windows XP)

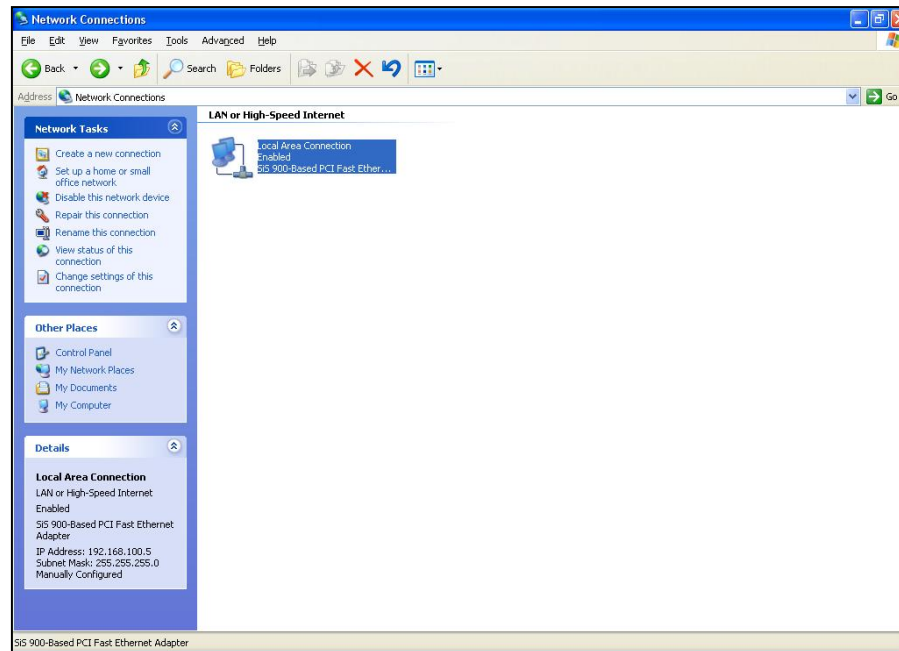
1. If you are in **Classic Start menu view**, click:

Start >Settings >Control Panel >Network Connections

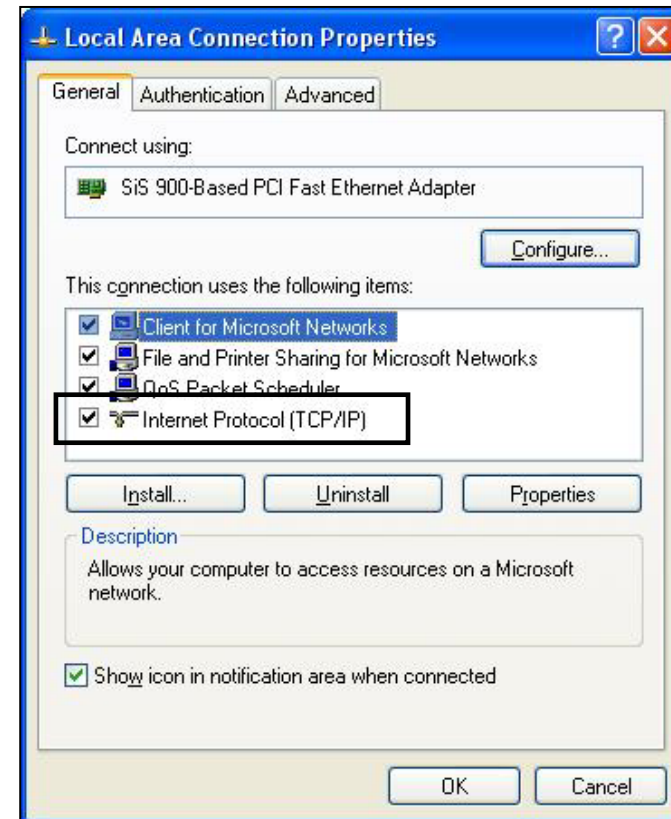
If you're in **Start menu view**, click:

Start >Control Panel >Network Connections

2. Double-click **Local Area Connection**

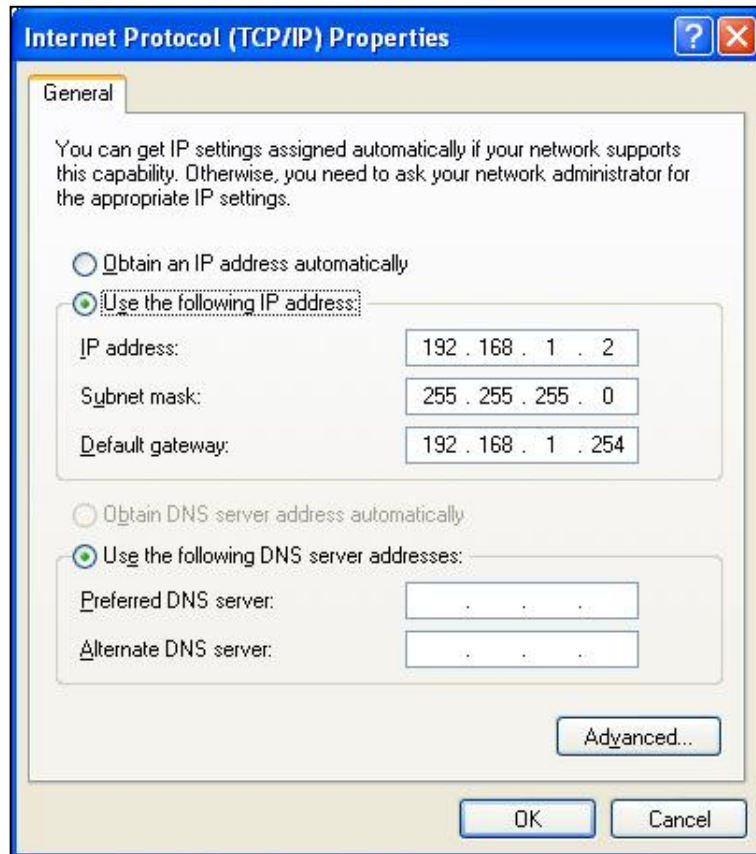


3. Highlight **Internet Protocol (TCP/IP)** and then click **Properties**



IP Protocol Setup

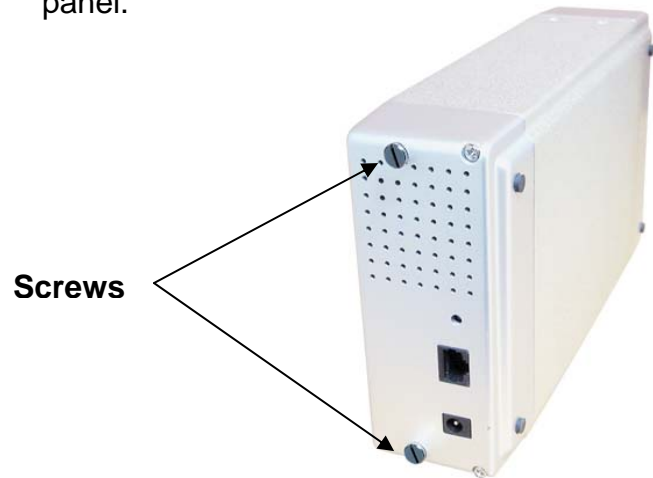
4. Enter the IP address you chose earlier. The subnet mask is entered automatically in Windows XP. Click **OK**.



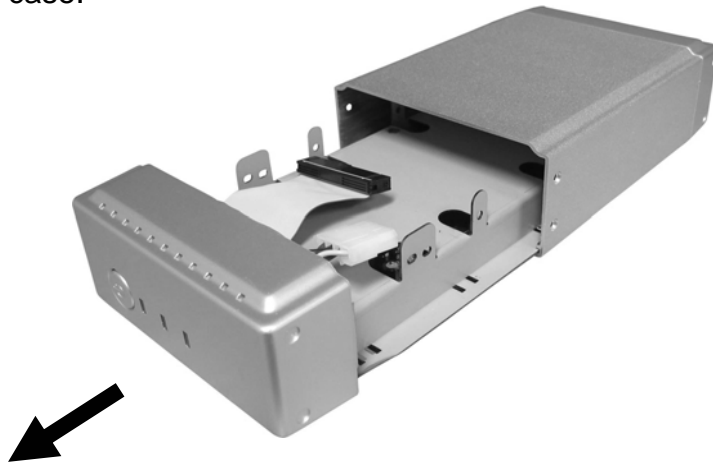
The IP configuration of your PC is now complete. Please refer to the instructions that follow to complete the Hard Disk Installation and **Quick Setup Wizard**.

Hard Disk Installation

1. Use a screwdriver to loosen the two screws on the rear panel.

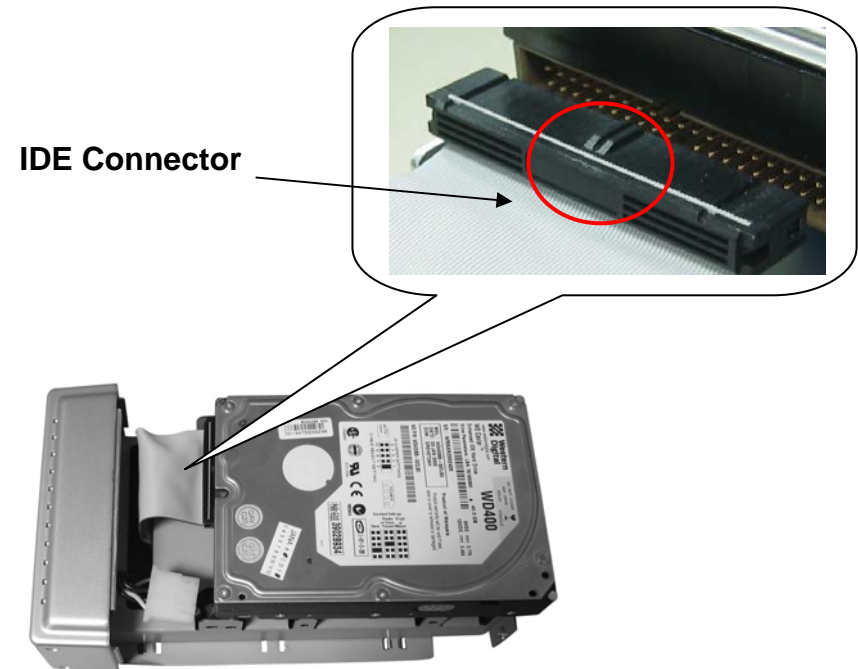


2. Grab the front panel and pull the chassis out of the case.



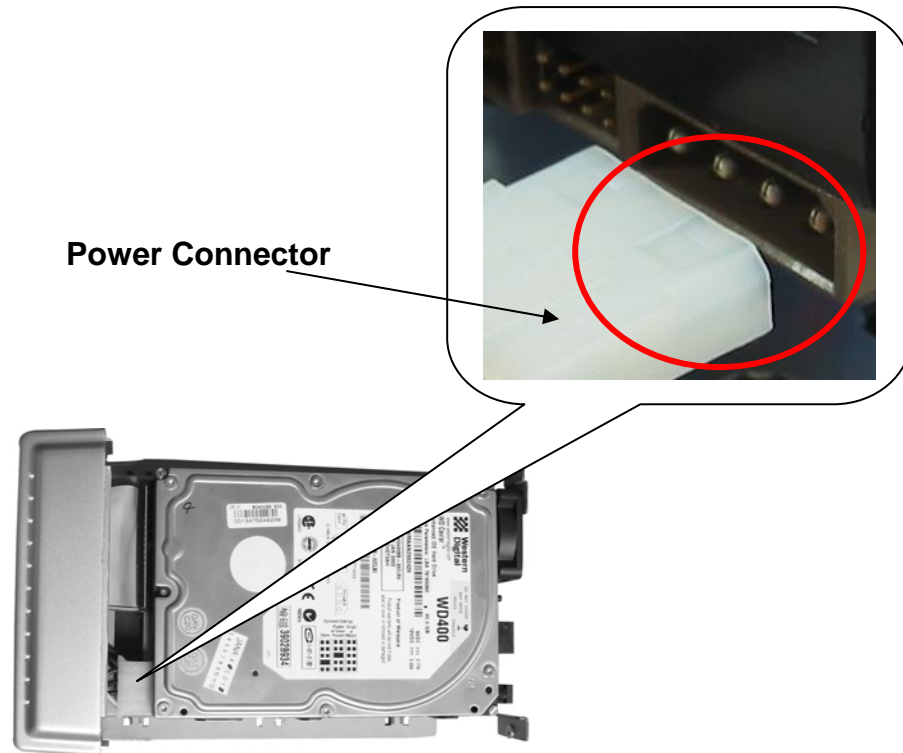
3. Please ensure that the jumper on your hard drive is set to the **Master** position.
Note: refer to your Hard Disk manual for the location of the jumper!

4. Insert the IDE connector into the IDE socket on the Hard Disk. Make sure that pin 1 on the cable connects to pin 1 on the hard disk. The location of pin 1 can be identified by the red strip on the edge of the cable. The IDE cable is 'keyed' to fit correctly into most hard drives.



Hard Disk Installation

5. Push the power connector into the power socket on the hard drive. The power connector is designed to be inserted into the socket one way only. Please check the shape for the correct installation.



6. Secure the hard disk using the supplied screws.
7. Push the hard disk and chassis back into the case and tighten the two case screws.

Quick Setup Wizard

The **Quick Setup Wizard** provides an installation guide from cable attachment to initialization. Please follow the steps below to proceed.

Please note: If you've run the wizard previously and there are existing shortcuts for accessing and managing the device on your desktop, please delete them before running the wizard again.

Starting the Quick Setup Wizard

Insert the supplied utility CD into your CD-ROM drive. The main menu will pop up automatically.

Note: If the auto-run program does not launch automatically, please click on **My Computer >(CD drive)** and then click the **AUTORUN** icon to start the main menu.

Activate the utility software

- Click **Quick Setup Wizard** to activate the setup utility and follow the on-screen instructions.



Quick Setup Wizard

After the Personal Server has been automatically installed by the **Quick Setup Wizard**, there will be two shortcuts on your desktop:



Setup My
Personal Se...

Setup My Personal Server allows you to setup the Personal Server using a web browser.

To setup the Personal Server, please see the section called **Management Guide**.

Access my Personal Server is a link to access the shared folder on the Personal Server's hard drive.

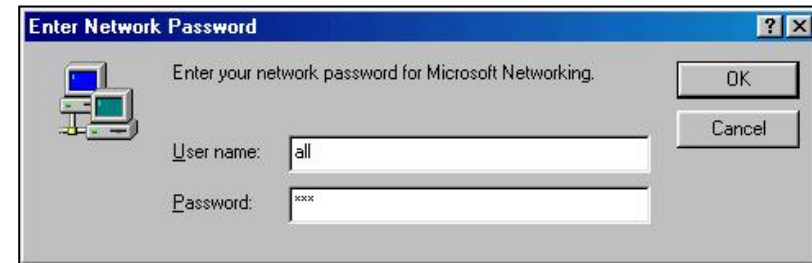


Access My
Personal Se...

Note: If there is no hard disk installed or it is not formatted, then you will not be able to access the personal server by clicking this shortcut. But, you will still be able to use the **Setup My Personal Server** shortcut to manage the device.

To access the hard drive

Double-click the **Access my Personal Server** icon to access the hard disk. An authentication window will pop up. Please fill in the user name and password to access the folders.



The Personal Server provides three default accounts, for users to access folders, with different authority levels.

- **All** = Read/Write (The account is allowed to read/write all the folders on the Personal Server)
- **Power** = Read/Write (The account is allowed to Read/Write the '**share**' folder only)
- **Guest** = Read Only (The account is allowed to read the '**share**' folder only)

Note:

1. By default, the 'Share' folder is created automatically and can be accessed by any user.
2. Users that would like to use another user name / password after having already accessed any folder need to log off and on again.
3. Windows 95/98/98SE users, please note that you should add a new user with the user name of your operating system. To configure each account including adding new users, changing user names & passwords, please refer to the '**Share**' chapter.

Setup the Personal Server

To configure the Personal Server via your computer with a web browser installed, please follow the steps below:

Double-click the **Setup My Personal Server** icon on your desktop.

The User name and Password window appears.

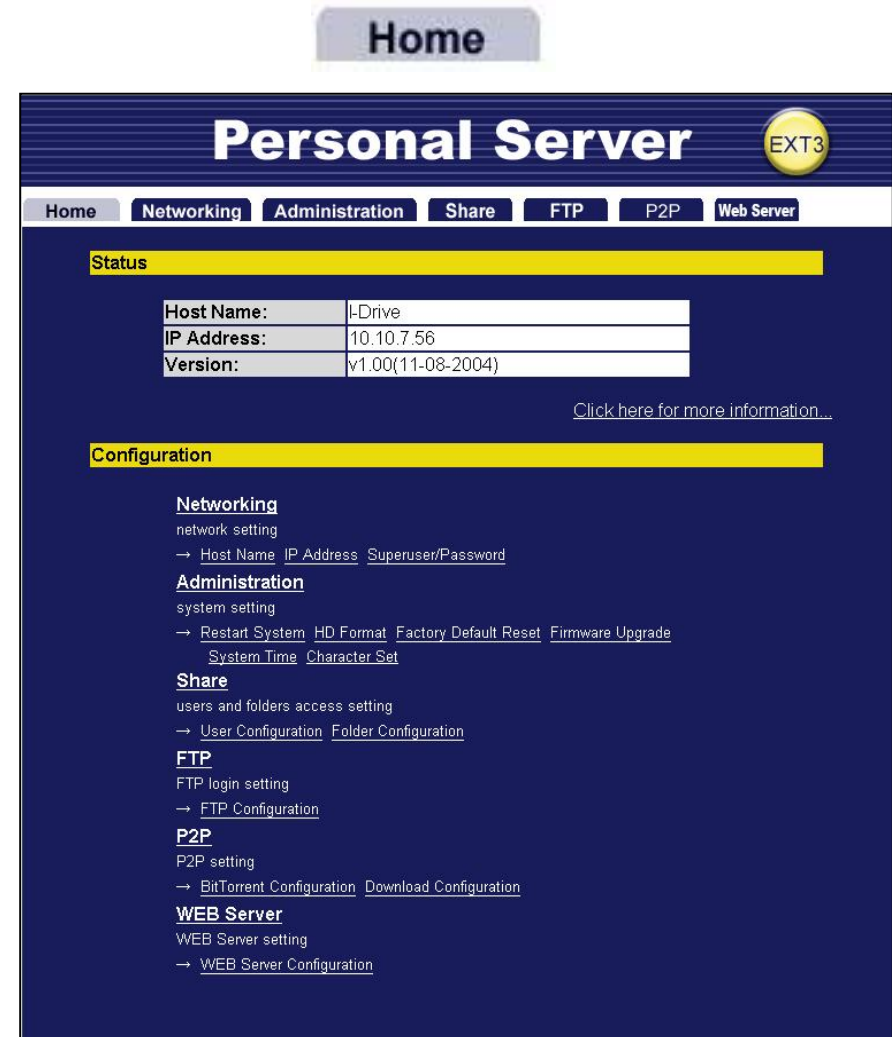
Enter **admin** in the User Name location (default value)
Enter **admin** in the Password location (default value)
Click the **OK** button



Note: If you didn't run the **Quick Setup Wizard**, you should configure your IP address in the range from 192.168.1.2 to 192.168.1.255. Start your web browser and, in the address field, type **http://192.168.1.1**

Home Page

The Personal Server is managed via a web-based graphical user interface (GUI) that can be accessed with a standard HTML (HTTP v1.0) compliant browser.



Status

- **Host name:** the Personal Server's identification
- **IP Address:** the IP address of the Personal Server
- **Version:** the Firmware version

Configuration

Click each item to access each management page

The screenshot shows the 'Status' and 'Configuration' sections of a management interface. The 'Status' section is highlighted in yellow and contains a table with the following data:

Host Name:	l-Drive
IP Address:	10.10.7.56
Version:	v1.00(11-08-2004)

Below the table is a link: [Click here for more information...](#)

The 'Configuration' section is also highlighted in yellow and contains several sub-sections:

- Networking**
network setting
→ [Host Name](#) [IP Address](#) [Superuser/Password](#)
- Administration**
system setting
→ [Restart System](#) [HD Format](#) [Factory Default Reset](#) [Firmware Upgrade](#)
[System Time](#) [Character Set](#)
- Share**
users and folders access setting
→ [User Configuration](#) [Folder Configuration](#)
- FTP**
FTP login setting
→ [FTP Configuration](#)
- P2P**
P2P setting
→ [BitTorrent Configuration](#) [Download Configuration](#)
- WEB Server**
WEB Server setting
→ [WEB Server Configuration](#)

Status Detail

To see more information about the Personal Server, such as HD used (%), up-time, samba users and FTP users, select:

[Click here for more information...](#)

- **IP Address:** the IP address of the Personal Server
- **HD used (%):** the total amount of HD used
- **Up-time:** the estimated time that the Personal Server has been powered on
- **Samba Users:** the number of members who are currently using the Personal Server
- **FTP User:** the number of members who are currently using the Personal Server via the FTP client
- Check if the Unicode has been loaded in the Personal Server

Note:

1. The Personal Server provides a maximum of five online Samba users and five online FTP users.
2. For instructions regarding Unicode installation, please refer to **Character Set** under the **Administration** category.

The screenshot shows the 'Status Detail' page with a table containing the following data:

Host Name:	l-Drive
IP Address:	10.10.7.243
HD used(%):	8.04 % (10G)
Up-time:	42 minute
Version:	v1.00(11-08-2004)
Samba Users:	0
FTP Users:	0
Unicode Loaded:	No

At the bottom right of the page is a [Back](#) button.

Networking

The Networking management function allows users to modify the Host name, IP address, Superuser/Password and the IP/MAC Filter settings.

Host Name Setting

Networking - Host Name

Notes: 1. Host Name & Work group are limited to 15 characters.
Description is limited to 48 characters.
2. Space character, control character and "" are not allowed.

Host Name:	I-Drive
Work Group:	WorkGroup
Description:	Personal Server

Apply Cancel Back

- **Host Name:** the Personal Server's identification
- **Work Group:** the workgroup in which the Personal Server is located
- **Description:** a brief description of the Personal Server (e.g. IP address, location etc...)

IP Address Setting

Networking - IP Address

Please provide IP Address, Subnet Mask and Gateway.

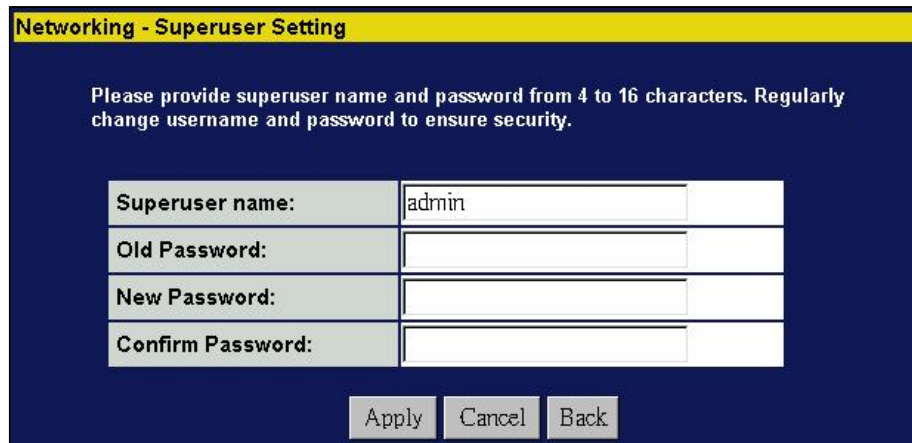
DHCP Enable:	<input type="radio"/> Yes <input checked="" type="radio"/> No
IP Address:	10.104.20
Subnet Mask:	255.255.0.0
Gateway:	10.104.254
DNS Server:	168.95.1.1

Apply Cancel Back

- **DHCP Enable:** click **Yes** to enable the Personal Server as a DHCP client
- **IP Address:** the IP address of the Personal Server
- **Subnet Mask:** the subnet mask must be compatible with the other devices on your network
- **Gateway:** enter the Router or Gateway IP of your network, or leave it blank
- **DNS Server:** specify the server IP address provided by your ISP

Superuser/Password Setting

You can setup the administration user account and password on this page. The user name/password is used to access the web based GUI to setup the Personal Server.



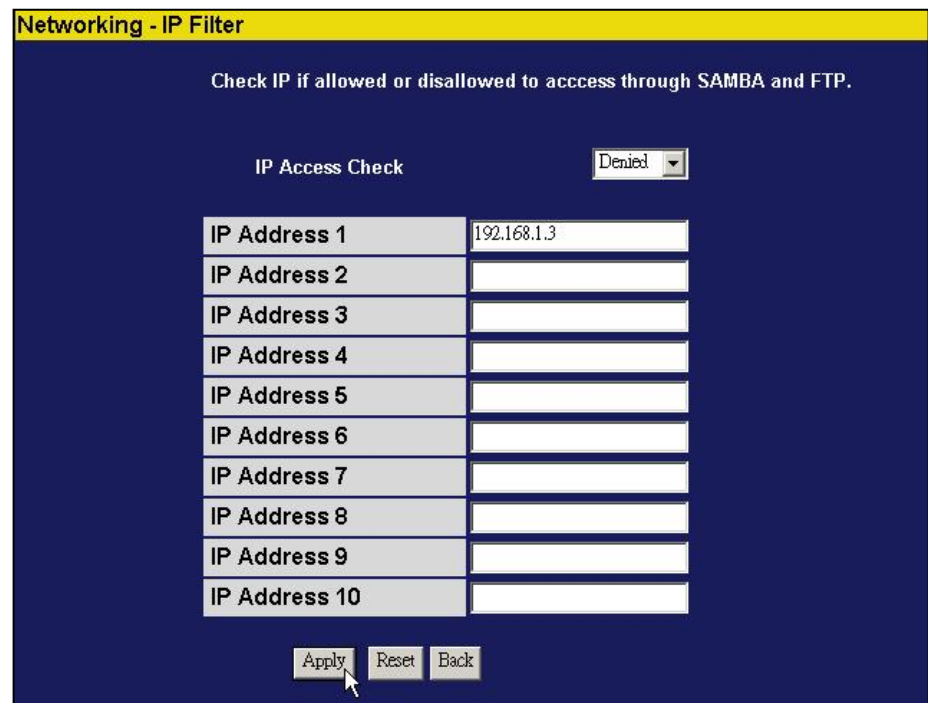
The screenshot shows a web form titled "Networking - Superuser Setting". It contains a message: "Please provide superuser name and password from 4 to 16 characters. Regularly change username and password to ensure security." Below the message are four input fields: "Superuser name:" (containing "admin"), "Old Password:", "New Password:", and "Confirm Password:". At the bottom are three buttons: "Apply", "Cancel", and "Back".

- **Superuser name:** the user name the Personal Server administrator uses to access the web-based GUI
- **Old Password:** enter your old password here
- **New Password:** enter the new password here
- **Confirm Password:** enter the new password again to confirm

IP Filter

The IP Filter function provides access management by IP address filtering. There are three configuration modes:

1. **Disable:** disables the IP Filter function. All IP addresses are allowed to access the Personal Server
2. **Allowed:** allows you to setup the IP addresses that are allowed to access the Personal Server. Only the configured IP addresses have the right to access the Personal Server
3. **Denied:** allows you to setup the IP addresses that are not allowed to access the Personal Server. The configure IP addresses are not allowed to access the Personal Server



The screenshot shows a web form titled "Networking - IP Filter". It contains a message: "Check IP if allowed or disallowed to access through SAMBA and FTP." Below the message is a dropdown menu labeled "IP Access Check" with "Denied" selected. Below the dropdown is a table with 10 rows, each labeled "IP Address 1" through "IP Address 10". The first row contains the IP address "192.168.1.3". At the bottom are three buttons: "Apply", "Reset", and "Back".

MAC Filter

The MAC Filter function provides access management by MAC address filtering. There are three configuration modes:

1. **Disable:** disables the MAC Filter function. All MAC addresses are allowed to access the Personal Server
2. **Allowed:** lets you setup the MAC addresses that are allowed to access the Personal Server.
3. **Denied:** lets you setup the MAC addresses that are not allowed to access the Personal Server.

Networking - MAC Filter

Check if MAC is allowed or disallowed to access through SAMBA and FTP.
MAC format is xx:xx:xx:xx:xx:xx

MAC Access Check

MAC Address 1	D0:E0:7D:CD:C5:5E
MAC Address 2	
MAC Address 3	
MAC Address 4	
MAC Address 5	
MAC Address 6	
MAC Address 7	
MAC Address 8	
MAC Address 9	
MAC Address 10	

Administration

From this page you can manage the Personal Server. The Administration section provides the tools to:

- Restart the system
- Format the hard disk
- Restore the default settings
- Update the firmware
- Adjust the system time
- Support the correct code pages in SAMBA for the character set

System Restart

To restart the Personal Server, click **Yes**. Do not power off the device until the system restart has completed.

Administration - System Restart

Do you want to restart the system ?

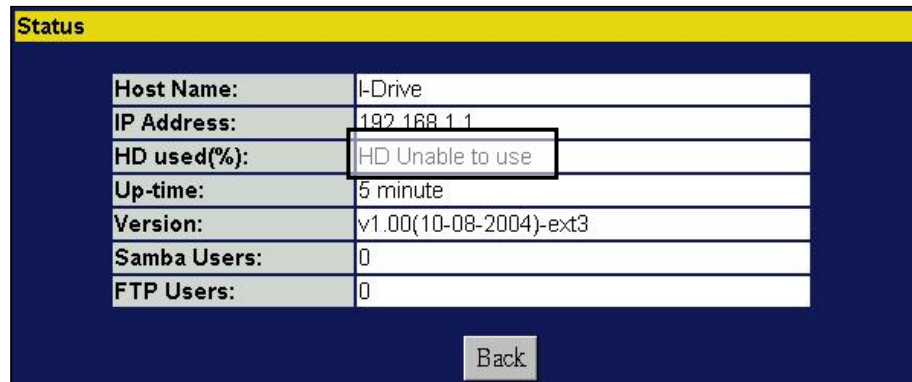
It may take several minutes.
Please wait and ensure a safe operating environment.

Note: When the reboot is completed, it will return to the "Home" page.

Management Guide

HD Format

If you see the message – **HD Unable to use**, in the **HD used (%)** field it means that your hard disk is unformatted or is not formatted using the EXT3 format.



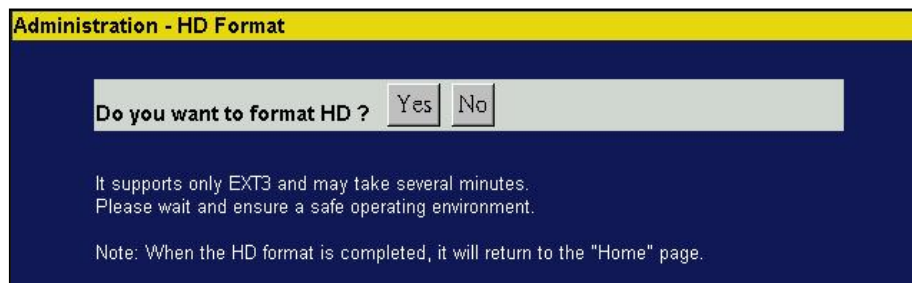
The screenshot shows a 'Status' window with a table of system information. The 'HD used(%)' field is highlighted with a red box and contains the text 'HD Unable to use'. Below the table is a 'Back' button.

Host Name:	I-Drive
IP Address:	192.168.1.1
HD used(%):	HD Unable to use
Up-time:	5 minute
Version:	v1.00(10-08-2004)-ext3
Samba Users:	0
FTP Users:	0

Back

You must format the hard drive or replace it with a drive with the EXT3 format.

To format the hard drive, click **Yes**.



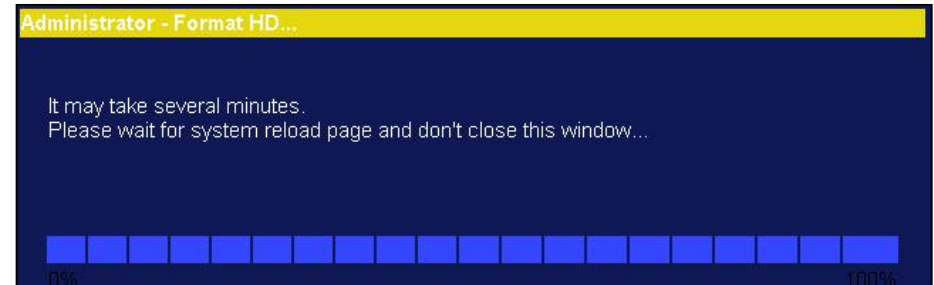
The screenshot shows a dialog box titled 'Administration - HD Format'. It contains a question 'Do you want to format HD?' with 'Yes' and 'No' buttons. Below the question is a note: 'It supports only EXT3 and may take several minutes. Please wait and ensure a safe operating environment.' and another note: 'Note: When the HD format is completed, it will return to the "Home" page.'

Do you want to format HD ? Yes No

It supports only EXT3 and may take several minutes.
Please wait and ensure a safe operating environment.

Note: When the HD format is completed, it will return to the "Home" page.

Caution: All partitions on your drive will be formatted and all your data will be erased.



The screenshot shows a dialog box titled 'Administrator - Format HD...'. It contains the text: 'It may take several minutes. Please wait for system reload page and don't close this window...'. Below the text is a progress bar showing 0% to 100% completion.

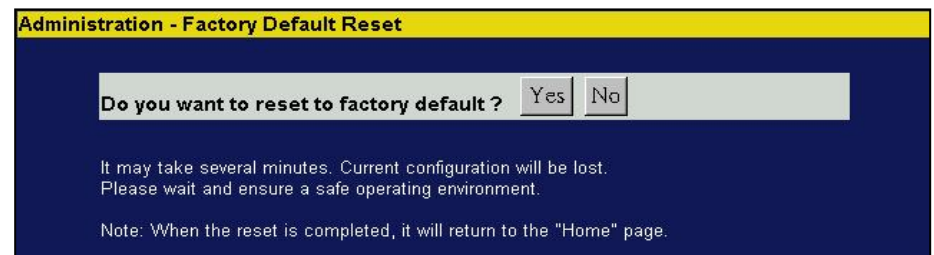
Administrator - Format HD...

It may take several minutes.
Please wait for system reload page and don't close this window...

0% 100%

Please wait while the drive is formatting. Do not power off the system or close the browser. After the formatting process has completed, the system will restart automatically.

Factory Default Reset



The screenshot shows a dialog box titled 'Administration - Factory Default Reset'. It contains a question 'Do you want to reset to factory default?' with 'Yes' and 'No' buttons. Below the question is a note: 'It may take several minutes. Current configuration will be lost. Please wait and ensure a safe operating environment.' and another note: 'Note: When the reset is completed, it will return to the "Home" page.'

Do you want to reset to factory default ? Yes No

It may take several minutes. Current configuration will be lost.
Please wait and ensure a safe operating environment.

Note: When the reset is completed, it will return to the "Home" page.

To restore the Personal Server to its default configuration, click **Yes**. Do not power off the device during the reset.

Firmware Upgrade



Administration - Firmware Upgrade

Please input the file name with full path:

To upgrade the firmware:

1. Click **Browse...**
2. Select the firmware update file
3. Click **Apply**

Caution: To avoid possible damage, DO NOT POWER OFF the Personal Server during the firmware upgrade process.

System Time



Administration - System Time

Time Zone: Germany

Use Local Time

Current Time: Tue Oct 12 15:59:08 CET 2004

Clicking Time sync will restart the network daemon such as SAMBA and FTP

Use Time Server

Time Server: ntp0.fau.de

1. If your system is not connected to the internet, click **Time Sync** to synchronize the current time with the PC.
2. If your system is connected to the internet, use **Time Server** and select **Time Zone** to perform time synchronisation. Please remember to click **Save**. The correct time will be applied after the next boot-up.

Character Set

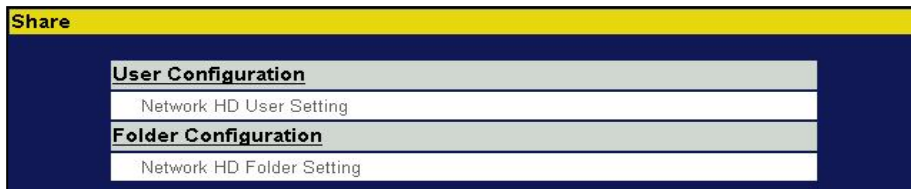
Unicode allows the Personal Server to recognize most character sets from around the world in order to prevent errors from font differences.

To install Unicode, insert the supplied utility CD into your CD drive and click the **Browse** icon. Click on your CD-ROM drive and open the folder named **Unicode**. Select the file – **ntx_chset.h**, click open to browse the file and then **Save** to enable.



Share

At the Share page, you can manage the Users and Folders on the Personal Server.

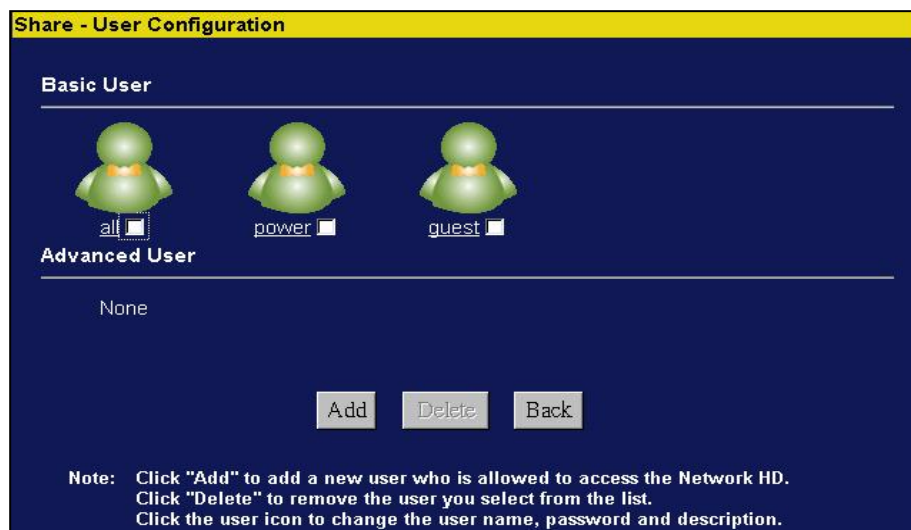


User Configuration

This page allows you to add/remove users and configure user properties

To add a user...

1. Click the **Add** button

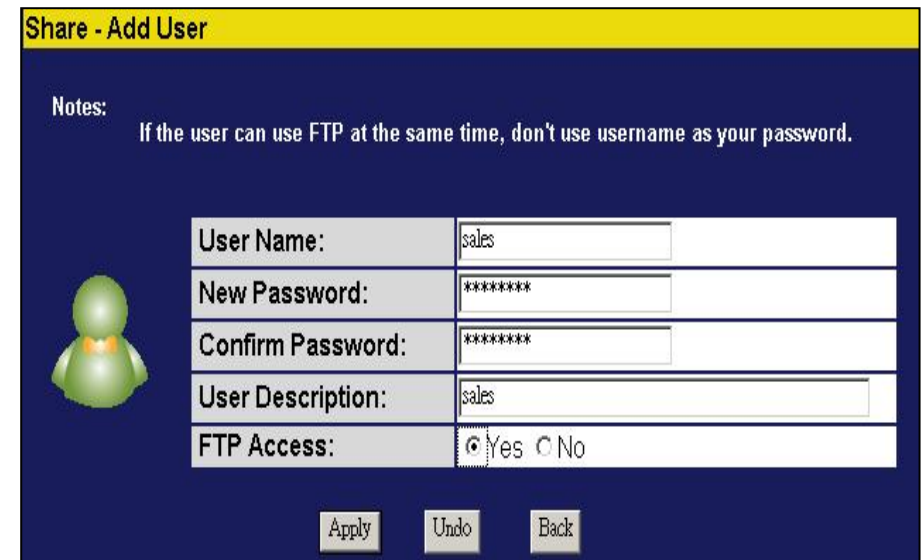


2. Enter User Name, New password, Confirm password, and User description

Note:

If you want to add an account for Windows 98/98SE users, you must use their OS user names as the user names for the Personal Server.

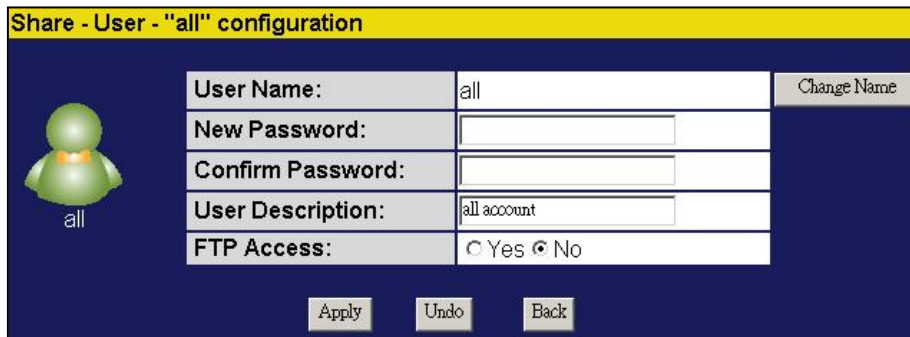
3. Decide the FTP Access and Access Level. When FTP Access is enabled, those users are allowed to access FTP using their user name and password.
4. Choose the default folder for the user.
5. Click **Apply** to save.



Management Guide

To change the user configuration...

1. Click the User Name link, for example, **All**.



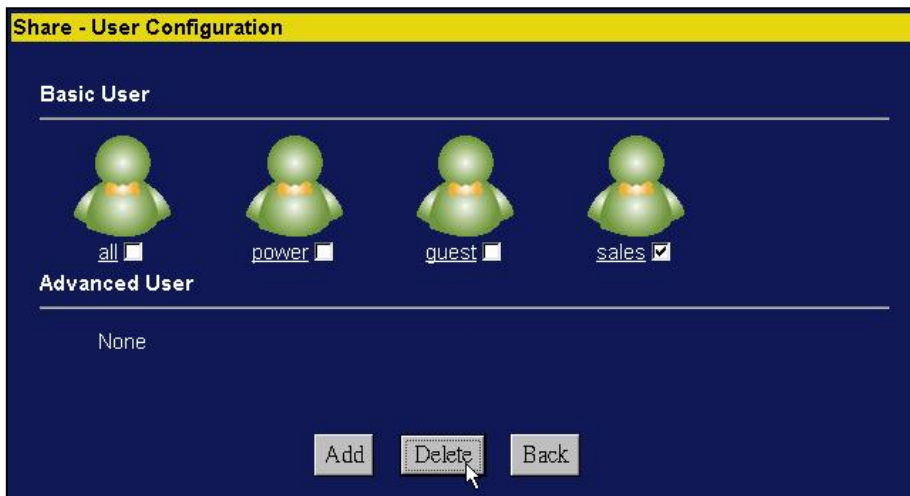
User Name:	all	Change Name
New Password:	<input type="text"/>	
Confirm Password:	<input type="text"/>	
User Description:	all account	
FTP Access:	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Apply Undo Back

2. Enter **New Password**; **Confirm Password** and **Description** to change the settings.

To delete a user...

1. Fill in the check boxes to select the users you want to remove.
2. Click **Delete** to remove.



Share - User Configuration

Basic User

all power guest sales

Advanced User

None

Add Delete Back

Folder Configuration

On this page, you can add folders, delete folders and setup the authentication of users.

To add a folder...

1. Click **Add** to add a new folder.



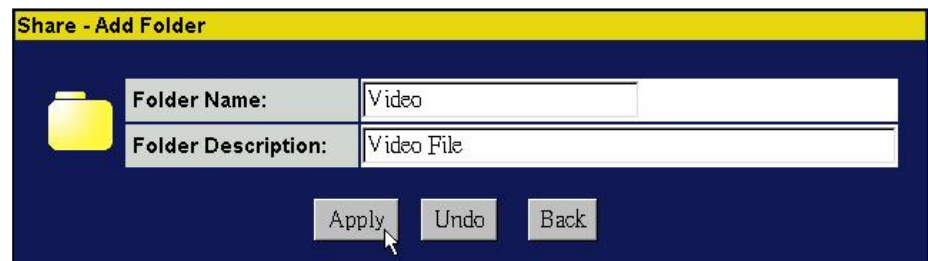
Share - Folder Configuration

Share Share to All

Add Delete Back

Note: Click "Add" to add a new folder.
Click "Delete" to remove the folder you select from the list.
Click the folder icon to change the folder name, description and user authority.

2. Enter the folder name and description.
3. Click **Apply** to save.



Share - Add Folder

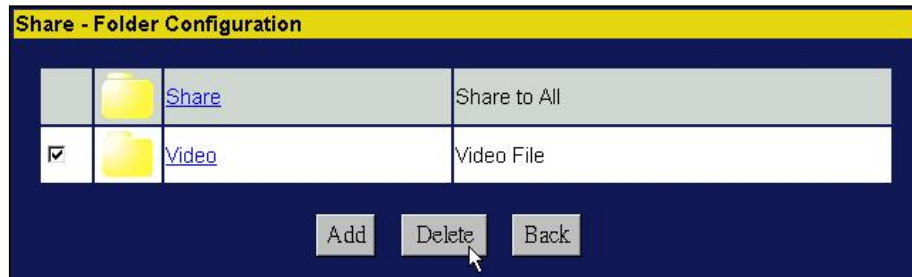
Folder Name: Video

Folder Description: Video File

Apply Undo Back

To delete a folder...

1. Select the folder you want to remove by clicking the check box.
2. Click **Delete** to remove.



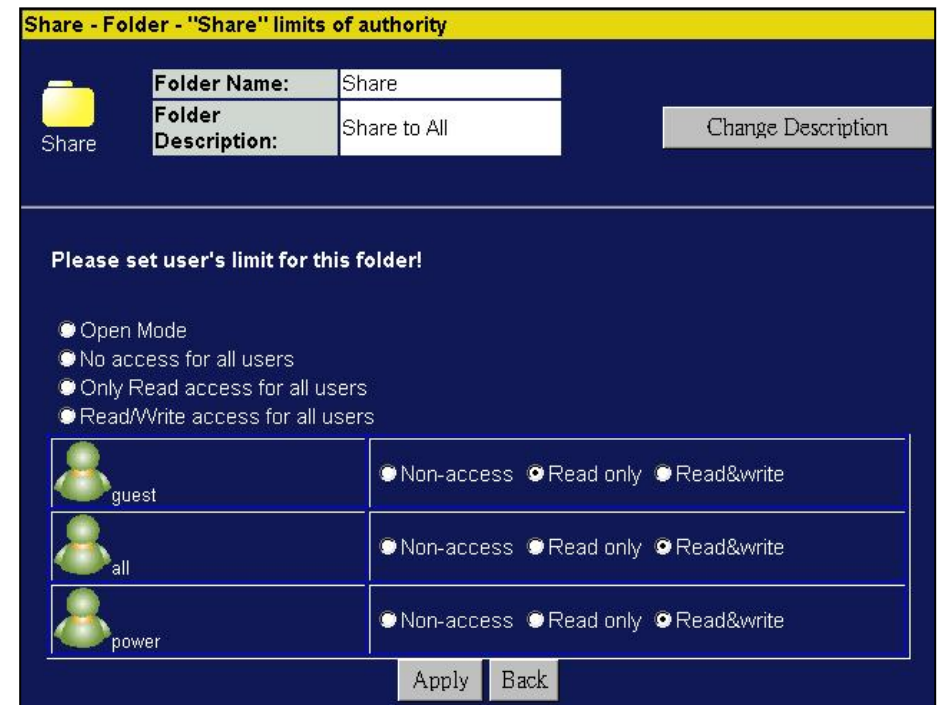
To change the user authentication of a folder...

From this page you can configure the privilege levels for each user, e.g. reading and writing files. Three privilege modes are provided for each user:

- **Non-access:** the user is not allowed to access the folder
- **Read-only:** the user is only allowed to read files in this folder
- **Read & Write:** the user is allowed to read and write files to or from this folder

You can also perform overall authority configuration for all users toward the folder. 4 authority levels are provided:

- **Authentication free access**
- **No access for all users**
- **Only Read access for all users**
- **Read/Write access for all users**



FTP

The Personal Server provides FTP functionality to allow users to access and upload/download files using FTP software.



FTP Configuration

Click **FTP Configuration** to setup configuration options such as user limitation, Service port number, Length for timeout and anonymous user restriction.

The screenshot shows the 'FTP Configuration' settings page. It has a yellow header bar with the title 'FTP Configuration'. Below the header, there are two notes: '1. The maximum number of unit is up to 5.' and '2. The port number is between 1 and 65535.' Below the notes is a table with four rows: 'Maximum Unit Number' with a text input field containing '5'; 'Port Number' with a text input field containing '21'; 'Timeout' with a text input field containing '15' and the unit 'Minutes' to its right; and 'Allow Anonymity' with radio buttons for 'Yes' and 'No', where 'No' is selected. At the bottom of the form are three buttons: 'Apply', 'Cancel', and 'Back'.

Maximum Unit Number:	<input type="text" value="5"/>
Port Number:	<input type="text" value="21"/>
Timeout:	<input type="text" value="15"/> Minutes
Allow Anonymity:	<input type="radio"/> Yes <input checked="" type="radio"/> No

Apply Cancel Back

- **Maximum Unit Number:** Fill in a number from 1 to 5.
- **Port Number:** Enter the FTP port number. A default port number, 21 is configured if no specified number has been selected.
- **Timeout:** Enter the length you want. A default 15 min is configured if no specific time has been selected.
- **Allow Anonymity:** Choose **Yes** to enable or **No** to disable

Note: To add a new FTP account, please add a user in **User Configuration** and enable the privilege to access FTP.

P2P

The Personal Server provides P2P downloading with an embedded BitTorrent client. To process downloading, refer to the following procedure:

1. Obtain a Torrent File: the BitTorrent download is triggered by Torrent files (formatted as **xxx.torrent**)
2. Locate the Torrent files in a folder within the Personal Server (e.g. create a folder named **P2P**, place the Torrent files in the **P2P** folder)
3. Create a folder within the Personal Server in which to place the data you are going to download. Please note that this folder should be a sub-folder of the folder that contains the Torrent files (e.g. create a folder named **BT** in the **P2P** folder.)
4. Start downloading. For more details see the instructions that follow.

P2P

BitTorrent Configuration

BitTorrent Configuration Setting

Download Configuration

Download Configuration and Status

Important Note:

All users of the Personal Server are warned against the illegal downloading of copyrighted materials. The P2P embedded functionality is provided for downloading authorized files only. Downloading or distribution of unauthorized material may result in severe civil and criminal penalties. Users of this device are subject to the restrictions of the copyright laws and should accept all the consequences.

BitTorrent Configuration

P2P Configuration

Notes: Basic Configuration of BitTorrent -
1. Configure file is used to record the download data when something happens.
2. The max active torrent number is 10.

Enable BitTorrent:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Download Folder:	Share ▾
BitTorrent Configuratin File:	Torrent
Max Active Torrent Number:	5
Scheduler:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Start:	Everyday ▾ Hour: <input type="text"/> Minute: <input type="text"/>
End:	Everyday ▾ Hour: <input type="text"/> Minute: <input type="text"/>

Apply Cancel Back

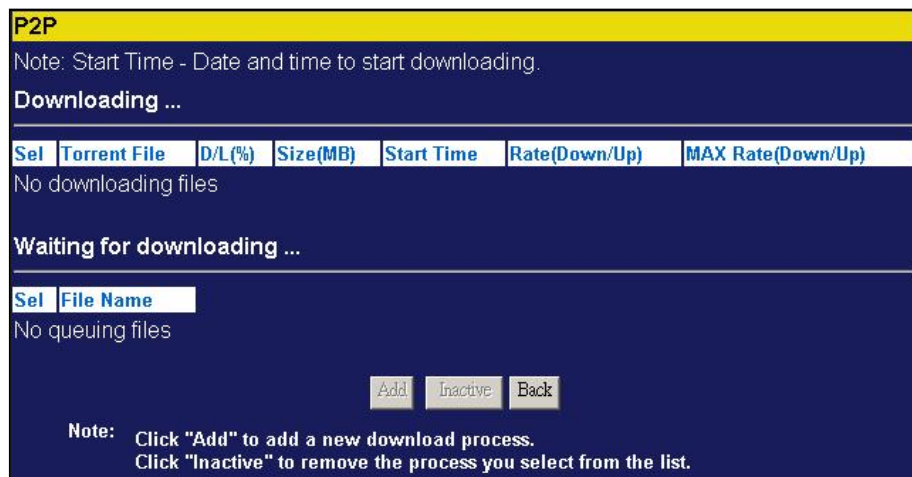
BitTorrent configuration settings can be made here. Fill in the settings in each blank and the press **Apply** to activate.

1. **Enable BitTorrent:** choose **Yes** to enable the BitTorrent download
2. **Download Folder:** choose the folder where you have placed the Torrent files.

Note: To download successfully, please make sure that the Torrent files and the sub-folder for restoring downloaded data are in the same folder.(e.g. if you place the Torrent files in the **Share** folder, the sub-folder called **Multimedia** for placing downloaded data should also be in the **Share** folder.)

3. **BitTorrent Configuration File:** You can specify any name for the file. The file is for recording the download information, which helps should the download be interrupted. **Note:** Please do not delete the file after downloading.
4. **Max Active Torrent Number:** Sets the number of Torrent files to be active at the same time. (Max. 10.)
5. **Scheduler:** Click **Yes** to enable the scheduler. The scheduler is provided for users to set up the start/end time of BitTorrent functionality.
6. **Start:** Set the time to start BitTorrent download/upload.
7. **End:** Set the time to end BitTorrent download/upload (e.g. you can configure the scheduler to start '**Everyday, Hour: 23, Minute:0**' and end '**Everyday, Hour: 6, Minute:0**' to process a BitTorrent download/upload from 11:00pm to 6:00am)

Download Configuration



P2P

Note: Start Time - Date and time to start downloading.

Downloading ...

Sel	Torrent File	D/L(%)	Size(MB)	Start Time	Rate(Down/Up)	MAX Rate(Down/Up)
No downloading files						

Waiting for downloading ...

Sel	File Name
No queuing files	

Add Inactive Back

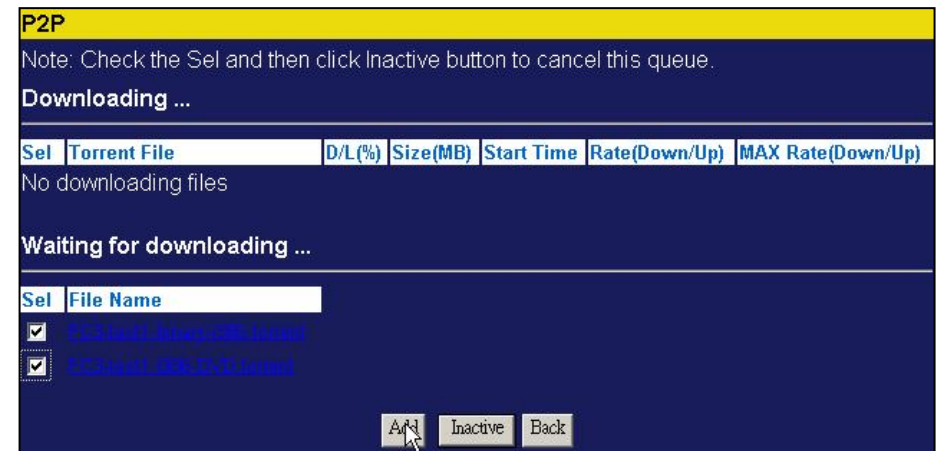
Note: Click "Add" to add a new download process.
Click "Inactive" to remove the process you select from the list.

This page is provided for users to activate a download task. It also shows downloading information. The explanation for each item is shown below:

1. **Sel:** checkbox to select the desired download task.
2. **Torrent File:** names and status hyperlink for each Torrent file.
3. **D/L (%):** downloaded percentage.
4. **Size (MB):** The size of the data.
5. **Start time:** the time that the download starts.
6. **Rate (Down/Up):** the download/upload speed.
7. **Max Rate (Down/Up):** The maximum download speed.

To add new downloading tasks...

1. To add a new download task, place the Torrent files in the folder you specified as the download folder. Select the files awaiting download and click **Add**.



P2P

Note: Check the Sel and then click Inactive button to cancel this queue.

Downloading ...

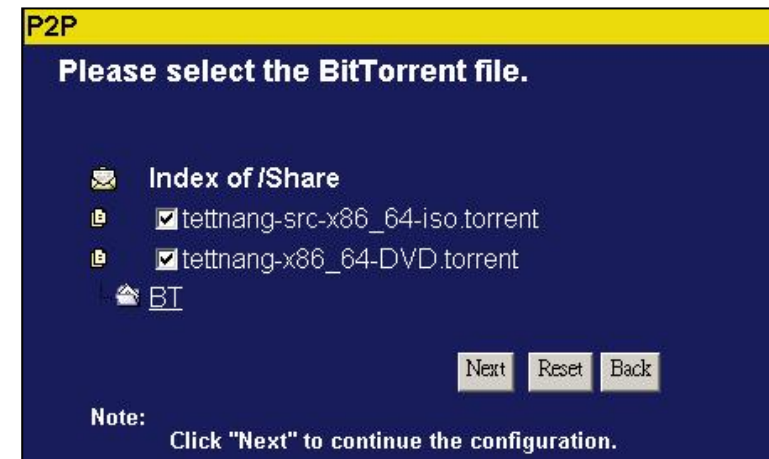
Sel	Torrent File	D/L(%)	Size(MB)	Start Time	Rate(Down/Up)	MAX Rate(Down/Up)
No downloading files						

Waiting for downloading ...

Sel	File Name
<input checked="" type="checkbox"/>	P2P Seed: Index of /Share
<input checked="" type="checkbox"/>	P2P Seed: DVD DVD torrent

Add Inactive Back

2. Select the files for download, and then click **Next**.



P2P

Please select the BitTorrent file.

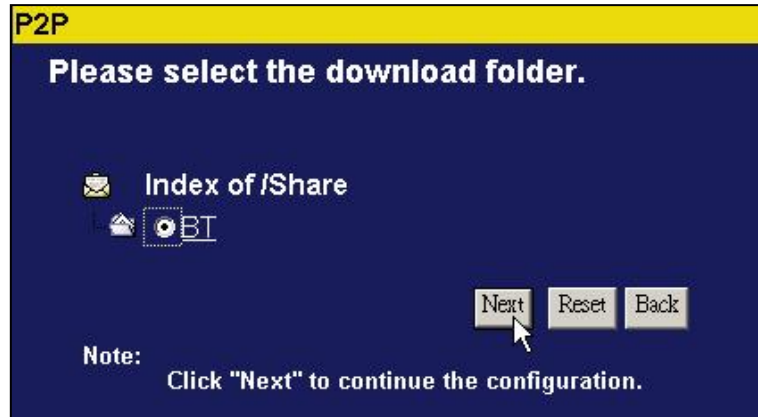
- Index of /Share
- tettnang-src-x86_64-iso.torrent
- tettnang-x86_64-DVD.torrent

BT

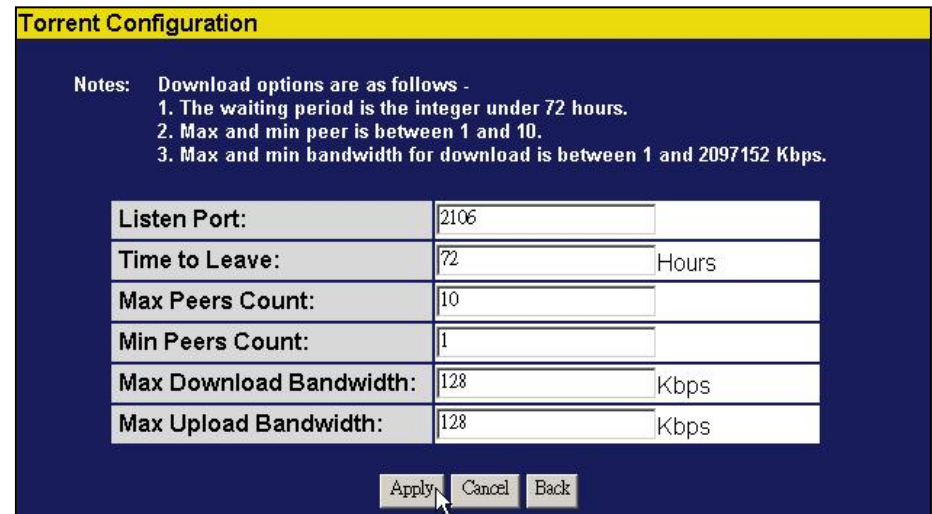
Next Reset Back

Note: Click "Next" to continue the configuration.

- Specify the sub-folder for placing downloaded data and then click **Next**. Please make sure this sub-folder is within the folder in which you placed the Torrent files.



- Check the download environments and then click **Apply** to finish the procedure.



The meaning for each item is listed as follows:

- **Listen Port:** the port number of the P2P program.
- **Time to Leave:** the allowed time to process a download task. The task will be terminated when the time passes.
- **Max Peers Count:** sets up the maximum allowed peers when uploading/downloading
- **Min Peers Count:** sets up the minimum peers when uploading/downloading
- **Max Download Bandwidth:** the maximum allowed download bandwidth
- **Max Upload Bandwidth:** the maximum allowed upload bandwidth

Note: A peer is a connection processing uploads or downloads between nodes.

- The current task and the relative information will be shown in the downloading column. Select a file in the checkbox and then click **Inactive** if you want to terminate a download task. You can also click on the hyperlink of the Torrent file name to check the properties of the task.

P2P

Note: Move the cursor over the items to get the comment.

Downloading ...

Sel	Torrent File	D/L (%)	Size (MB)	Start Time	Rate (Down/Up)	MAX Rate (Down/Up)
<input type="checkbox"/>	tettng-binary-x86_64-iso.torrent	0.00	2179	11/05/04 09:08:03	0.0000/0.0000	128/128

Waiting for downloading ...

Sel	File Name
<input type="checkbox"/>	tettng-binary-x86_64-iso.torrent
<input type="checkbox"/>	tettng-binary-x86_64-iso.torrent

Note: Click "Add" to add a new download process.
Click "Inactive" to remove the process you select from the list.

Web Server

WEB Server Configuration

Notes: Configuration of WEB Server -
1. Port number must be between 1 and 65535.
2. WEB folder is the location of all your HTML files. WEB server will start from "index.html", if it exists.

Administrator WEB Server:

Administration Port:	80
----------------------	----

WEB Server:

Enable WEB Server:	<input checked="" type="radio"/> Yes <input type="radio"/> No
WEB Server Port:	8080
WEB Folder:	WEB

Apply Cancel Back

- **Administrator WEB Server:** the administration port is the port for accessing the web-based management interface. The default is port 80.
- **WEB Server:** the WEB server allows users to construct a website using the HTML format. To activate the WEB server, click **YES** to enable. Specify a port number from 1 – 65535. **WEB Folder** is the location where you place your HTML files.

Note:

1. By default, port 80 is not allowed to be setup as it has been configured as the port for accessing the web-based management interface.
2. A website template is provided on the supplied CD. To use the template, copy the data in the folder on the CD named **WEB Template**. Paste this data into the folder you have configured as the **WEB Folder**.

To access the WEB Server...

The address for linking the WEB Server is the IP address of the Personal Server with a colon and then the port number, e.g. use – **192.168.1.1:8080** when the IP address of the Personal Server is **192.168.1.1** and the port number of the WEB server is configured as **8080**)

Note:

For WAN users to gain access to the FTP or WEB server, you should link the Personal Server to a router with the appropriate configuration. Please ensure:

1. The NAT functionality in your router is enabled.
2. In the port-mapping settings, the **Internal Host IP** should be configured as the IP address of this Personal Server and the value of the **Port** should correspond to the port number of the WEB server or FTP server you configured.

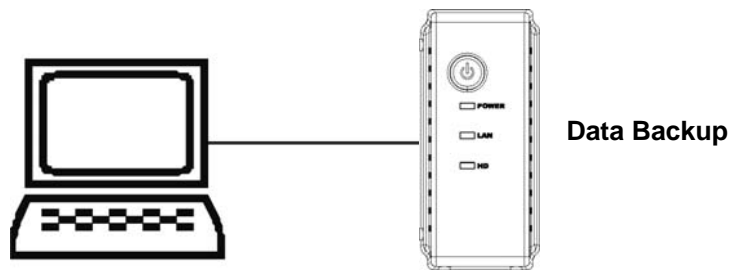
(e.g. If the IP address of your Personal Server is **10.10.7.251**, the port number of your FTP is configured as **21** and the port for the WEB server is **8888**, then you should add or modify a port mapping record: set the internal host IP address to **10.10.7.251**, the port as **21**, and then add or modify another port mapping record. Set the internal host IP address as **10.10.7.251** and the port as **8888**).

3. Before allowing the device to communicate with the internet, we strongly recommend the use of a Firewall to secure the network.

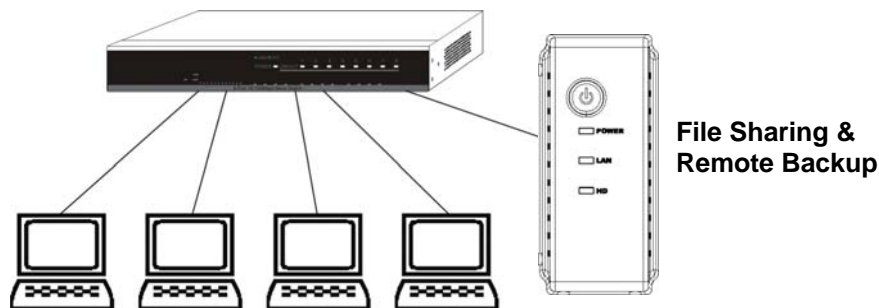
Applications

There are several applications for which you can use the Personal Server:

For one user or a single PC, you can backup important files.



For multiple users, the Personal Server provides a convenient way of file sharing and backup by using 'My Neighbourhood'. All you have to do is connect the Personal Server to a network switch.

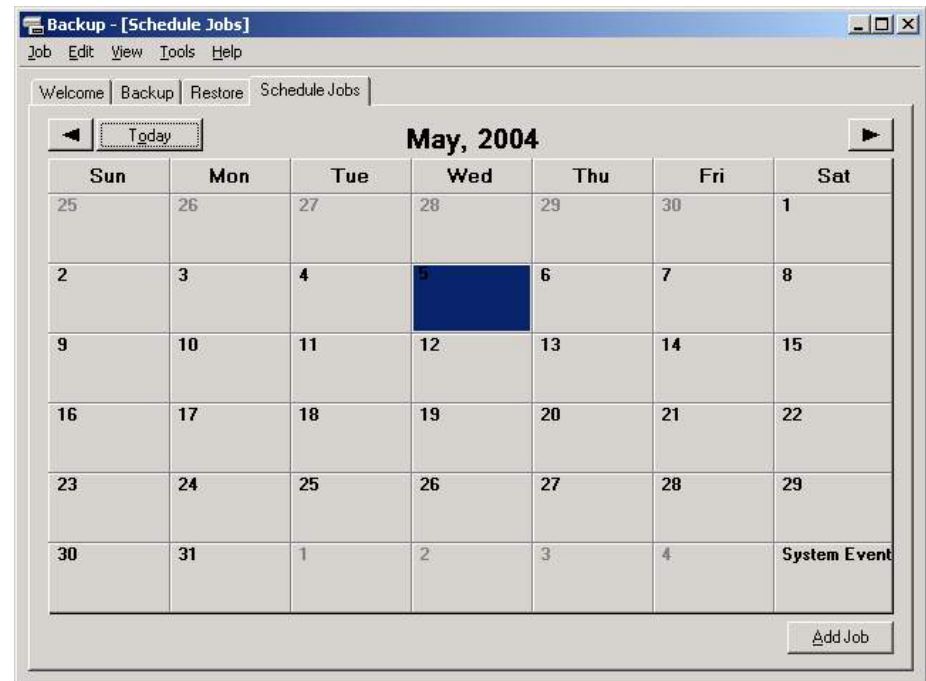


Backup

For Windows 2000/XP users, the OS provides an accessory system tool called **Backup**. Please follow the steps below to complete data backup.

1. Activate the program, select:

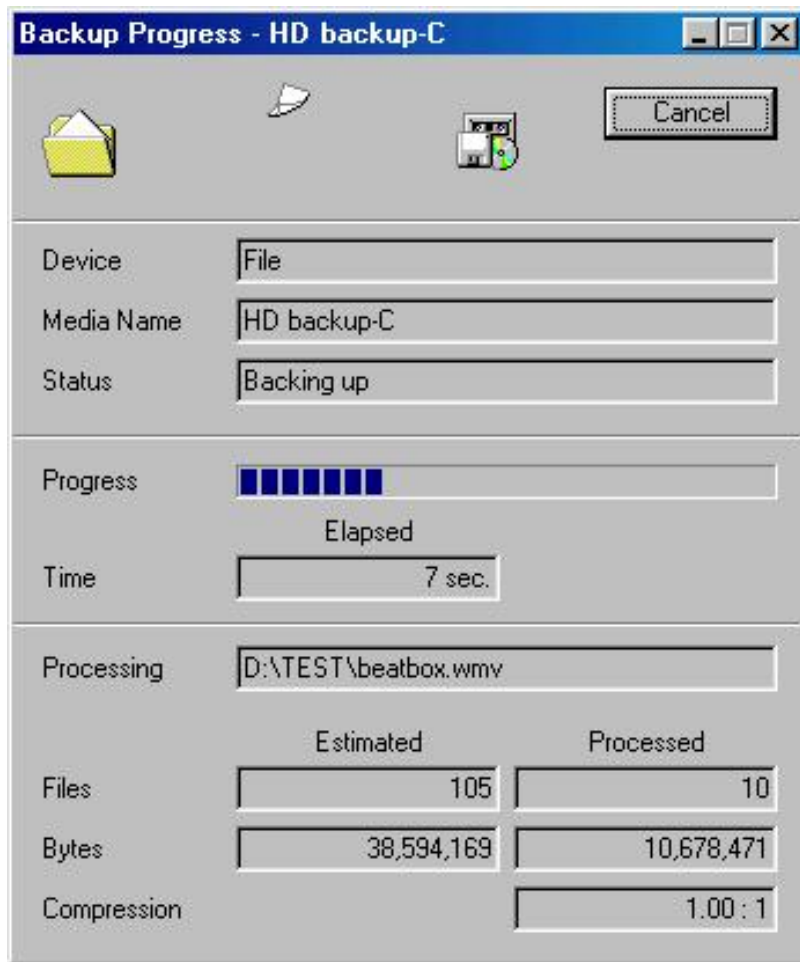
Start >Programs >Accessories >System Tools >Backup



2. Click the **Schedule Jobs** tab and select the date that you want to activate the backup job and click **Add Job**.
3. When the Wizard appears, select **Create a new job** and click **OK**.

Applications

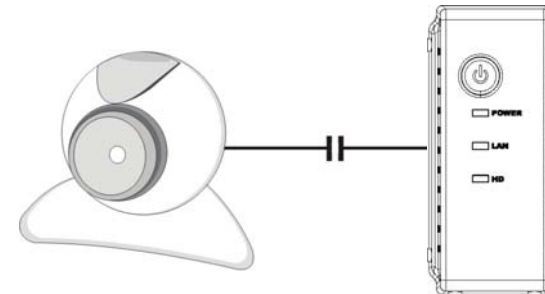
4. Select **Backup everything on this computer** to backup the whole system or **Backup selected files, drives, or network data** to backup selected files only.
5. Decide upon the destination of the backup file.
6. Type a name for this backup job and click **Start**.
7. Wait for the program to finish the backup process.



Remote Backup

The Personal Server's FTP function allows remote backup support:

For example, if you have an IP camera with an FTP function and want to transfer video data from the camera to the Personal Server for remote monitoring.



To use the FTP, please choose an FTP supported browser, e.g. IE 6.0. In the address box, type:

ftp:// [domain name or IP address]

and press **Enter**. The authentication window will appear for you to input your user name and password.

You can find the username/password configuration in the **User Management** section. Please make sure that the privilege to access FTP is enabled.

To use the Personal Server as an FTP server without a fixed IP or domain name, please set up your router's DDNS and port mapping (Virtual Server) first. As for the setting, please refer to your router's manual.

Download

The Personal Server provides more convenience for P2P downloading. The Scheduler function allows users to set up the time for downloading, enabling users to avoid downloading files in bandwidth 'rush hours'. Also, after giving a download command, users can download files without keeping the PC powered on.

Web Server

For users who wish to share files via their website, the embedded WEB server provides an easy solution. Users don't need to worry about the limited size provided by their ISP.

1. How to shut down the Personal Server properly

Press and hold the power button on the front panel until the power LED blinks then goes off.

2. The Quick Setup Wizard can't configure my network settings

- Make sure that the RJ-45 network cable is properly connected to the Personal Server and the PC/Switch.
- Check the LAN LED of the Personal Server and make sure it's green.
- Check the power connection to the Personal Server; make sure it's switched on!
- Check your PC's IP address; make sure that it has a static IP address or connects to a router with a DHCP client. As for the setting, please refer to the **IP Protocol Setup** section.
- The Personal Server is down. Reboot, using the web based GUI or press the **Default** button on the rear panel to restore to factory default and reboot.

3. The Personal Server can't find the hard disk and the home page of the web-based GUI displays – 'HD unable to use'

There are several possibilities...

- The hard disk is faulty, please try another hard disk.
- The hard disk jumper is not set to **Master**; please refer to your hard disk manual for the correct setting of the jumper.
- The hard drive is unformatted; please format it using the **HD format** tool in the Administration section.
- The partition format of the drive is not EXT3, e.g. NTFS. Please format it with the **HD format tool**.

4. I use the Personal Server as a Web/FTP server, but users outside the LAN can't access it

To use the Personal Server as an FTP server without a fixed IP or domain name, please set up your router's DDNS and port mapping (Virtual Server) first.

5. I can't access the Personal Server

- Check the LAN LED; make sure it's green.
- The Personal Server is down. Reboot, using the web based GUI or press the **Default** button on the rear panel to restore to factory default, and reboot.
- When there are over 5 concurrently connected users the system will block any further users who try to access it. Please check the Samba users/FTP users by clicking **Click here for more information** from the web based GUI.

6. I can access the hard disk, but can't access folders.

- Verify that you have the correct username and password.
- For Windows 95/98/98SE users, please note that you should add new user using the user name of your OS.
- If you have accessed any folder on the hard disk and would like to use another username/password for different authority, you must log off your OS and then log back on again.

7. There are unrecognizable characters in the file name

If you are using the Samba mechanism to access the hard disk, please use FTP to view the file. Characters that can be recognized from FTP may not be recognised via Samba and vice versa.

Specifications

Standards

IEEE 802.3, IEEE 802.3u

Support Protocol

TCP/IP, HTTP, SMB, FTP

Support for concurrently connected Users

Samba: Five Users / FTP: Five Users

Interface

One 10/100Mbps RJ-45 Ethernet port

One Default Button

Connection speed

10/100Mbps

Hard Disk Support

One removable 3.5" external HD (ATA)

Diagnostic LEDs

Power: On/Boot or Shutdown (Green/Blinking)

LAN: Ethernet Act/Link (Green)

HD: Hard Disk data transfer (Amber/Blinking)

Dimensions

63 x 225 x 135mm (WxDxH)

Operating Temperature

Operating -- 0~40°C; Storage -- -10~65°C

Power Supply

DC 12V 3A External power adapter

Certification

FCC (CISPR_22), CE (EN55022), VCCI Class B

FCC Certifications



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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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.

CE Mark Warning



This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class B for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

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