

## **Dual Bay Home Media Store**

# **User Manual**

CH3HNAS2



# CONTENTS

Chapter 1: Home Page	3
Setup Wizard	3
Settings	3
User Management	3
Download Station	3
Online User Manual	3
Support	3
Chapter 2: Setup Wizard	4
Device Settings	4
Time Settings	5
Disk Format	6
Administrator Settings	6
Network Settings	7
Chapter 3: System	8
System Information	8
General Settings	9
Network Settings	10
DDNS	11
Volume Information	12
Disk Management	13
Account Management	15

Add user	16
Chapter 4: Application	17
Samba	17
Bonjour	19
FTP Server	19
USB Printer	21
BT Downloader	22
iTunes	26
Media Server	28
Chapter 5: Maintenance	29
Power Management	29
HDD suspend	30
HDD S.M.A.R.T	30
Firmware Upgrade	32
Save & Restore Config	33
Factory Default	35
System Log	37
Chapter 6: GPIO	
Definition	

## **Chapter 1: Home Page**

You can select to browse the Dual Bay Home Media Store UI with Flow View.

## **Flow View:**



### **Setup Wizard**

Link to the first web page of setup wizard (defined in Chapter 2)

## Settings

Link to system page (defined in Chapter 3)

### **User Management**

Link to user page (defined in Chapter 3)

## **Download Station**

Link to BT job list page (defined in Chapter 4)

## **Online User Manual**

A user manual in PDF format will be opened or downloaded

### Support

E-mail client installed in user's PC will be launched, and the sender e-mail address will be "support@conceptronic.ne")

## **Chapter 2: Setup Wizard**

Administrator can set the basic function step by step when access the NAS at the first time.



## **Device Settings**

Administrator can set device name, description and select language on this page.

Setup Wizard > Device Settings				
	Device Name: Description: Language:	Williams0322 BadMAN-NAS English		
Device Settings			Next	Skip

## ✓ Device Name

Enter the name of the NAS. The server name can be 15 characters long at maximum, which supports alphabets, numbers, and hyphen (-). The server does not accept names with space, period (.).

#### ✓ Description

Enter the description of the NAS. The server description can be 50 characters long at maximum, which supports alphabets, numbers, and hyphen (-). The server does not accept names with space, period (.).

### ✓ Language

Administrator can select the display language on the drop-down menu on this page of the NAS.

### **Time Settings**

Administrator can set the date, time, and time zone according to your location on this page.

Setup Wizard > Time Settings		
	NTP Server:	🖱 Enable 🖲 Disable
	Date:	Jan 💌 1 💌 2008 💌
	Time:	7 : 2 AM 💌
	Time Zone:	(GMT+08:00) Taipei 💌
4	NTP Server:	pool.ntp.org
Time Settings		
		Previous Next Skip

#### ✓ Date, Time and NTP

Set the date, time, and time zone according to your location.

**Note:** Synchronize with an Internet time server automatically.

You can enable this option to update the date and time of the system automatically with specified NTP server.

## **Disk Format**

Administrator can select the file system and format the internal storage device on this page.

System > Disk Management							
	Single	F	AID				
	Step:	L: Plea	se select th	e disk			
		Port	Model	Capacity	File System	S.M.A.R.T. Status	
	۲	Disk 1	TOSHIBA	149GB	XFS	Normal	
Disk Management	Step x	02: Plea IFS (C	ase select fi ) EXT3	le system f	format		
					Previous	Next	Skip

## **Administrator Settings**

Administrator can change the password on this page.

Setup Wizard > Administrator Sett	ings	
	User Name: New Password: Verify Password:	admin
Administrator Settings		
		Previous Next Skip

✓ Password

Input range: 5~20 characters. The invalid characters are: " / \ [ ] : ; | = , + \* ? <> ` '

## **Network Settings**

Administrator can select protocol type on this page.

Setup Wizard > Network Settings		
	Protocol:	Static IP
	IP Address:	192 . 168 . 1 . 28
	Subnet Mask:	255 . 255 . 255 . 0
	Default Gateway:	192 . 168 . 1 . 1
	Primary DNS:	192 . 168 . 1 . 1
	Secondary DNS:	·
Network Settings		
		Previous Finish Skip

## ✓ Obtain the IP address settings automatically via DHCP

If your network supports DHCP, the NAS will use DHCP protocol to retrieve the IP address and related information automatically. If NAS cannot obtain an IP at the boot time, the IP will be configured as the default IP -- 192.168.1.1.

### ✓ Use static IP address

To use fixed IP address for network connection, enter the IP address, subnet mask, and default gateway.

#### ✓ DNS

Primary DNS Server: Enter the IP address of the primary DNS.

Secondary DNS Server: Enter the IP address of the secondary DNS.

## **Chapter 3: System**

System menu displays functions under this category.



## **System Information**

Hom	ne System *	Application *	Maintenance *	Language:	English 💌	
System > System Information						
	Firmware version	: 1.0.2.13				
	Device name:	Williams0322				
	Description:	BadMAN-NAS				
E05	MAC address:	00:e0:00:77:88:	99			
	IP address:	192.168.1.28				
System Information	Protocol:	Static				
	HTTP server port	: 80				

## ✓ Firmware Version

Show firmware version of the NAS.

#### ✓ Device Name

Show the name of the NAS.

## ✓ Description

Show the description of the NAS.

## ✓ MAC Address

Ethernet MAC address.

✓ IP Address

Show the NAS IP address.

✓ Protocol

Show the protocol used to obtain the IP address (DHCP or Static IP).

## ✓ HTTP Server Port

Assign a port for the NAS http port.

## **General Settings**

Home System * Application * Maintenance * Language: English   System > General Settings   Device Name: Williams0322   Description: BadMAN-NAS   Date: Jan • 1 •   2008 • (month,day,year)   Time: 7 :   11me: 1 •   11me: 7 :   11me: 14 :   11										
System > General Settings         Device Name:       Williams0322         Description:       BadMAN-NAS         Date:       Jan • 1 • 2008 • (month, day, year)         Time:       7 • 14 • AM •         Time Zone:       (GMT+08:00) Taipei         NTP:       Enabled         NTP Server:       pool.ntp.org         HTTP Port:       80		Home	System	Application		Maintenan	ce 🗡	Language:	English -	-
System > General Settings         Device Name:       Williams0322         Description:       BadMAN-NAS         Date:       Jan • 1 • 2008 • (month, day, year)         Time:       7 • 14 • AM •         Time Zone:       (GMT+08:00) Taipei         NTP:       Enabled         NTP Server:       pool.ntp.org         HTTP Port:       80										
System > General Settings         Device Name:       Williams0322         Description:       BadMAN-NAS         Date:       Jan • 1 • 2008 • (month,day,year)         Time:       7 • 14 • AM •         Time Zone:       (GMT+08:00) Taipei         NTP:       Enabled         NTP Server:       pool.ntp.org         HTTP Port:       80										
Device Name: Williams0322   Description: BadMAN-NAS   Date: Jan • 1 • 2008 • (month, day, year)   Time: 7 • 14 • AM •   Time Zone: (GMT+08:00) Taipei   NTP: Enabled   NTP Server: pool.ntp.org   HTTP Port: 80	System > General Setting	IS								
Device Name:     Williams0322       Description:     BadMAN-NAS       Date:     Jan 1 2008 (month, day, year)       Time:     7 14 AM •       Time Zone:     (GMT+08:00) Taipei       NTP:     Enabled       NTP:     Pool.ntp.org       HTTP Port:     80										
Description:         BadMAN-NAS           Date:         Jan • 1 • 2008 • (month,day,year)           Time:         7 : 14 • AM •           Time Zone:         (GMT+08:00) Taipei< •		De	evice Name:	Williams0322						
Date:       Jan v 1 v 2008 v (month, day, year)         Time:       7 1 4 AM v         Time Zone:       (GMT+08:00) Taipei         NTP:       Enabled         NTP Server:       pool.ntp.org         HTTP Port:       80		De	escription:	BadMAN-NAS						
Time:       7 : 14 AM •         Time Zone:       (GMT+08:00) Taipei         NTP:       Enabled         NTP Server:       pool.ntp.org         HTTP Port:       80		Da	ate:	Jan 👻 1	•	2008 🔻 (mon	th,day,ye	ear)		
Time Zone:     (GMT+08:00) Taipei       NTP:     Enabled       General Settings     NTP Server:       HTTP Port:     80		Ti	me:	7 : 14	A	• M				
NTP:     Enabled       General Settings     NTP Server:     pool.ntp.org       HTTP Port:     80		Ti	me Zone:	(GMT+08:00)	Taipe	i			•	
General Settings     NTP Server:     pool.ntp.org       HTTP Port:     80		N	TP:	Enabled						
HTTP Port: 80	General Setting	s N	TP Server:	pool.ntp.org						
	j	H	TTP Port:	80						
Apply Cancel								Apply	Cancel	

### ✓ Device Name

Enter the name of the NAS. The server name can be 15 characters long at maximum, which supports alphabets, numbers, and hyphen (-). The server does not accept names with space, period (.).

## ✓ Device Name Description

Enter the description of the NAS. The server description can be 50 characters long at maximum, which supports alphabets, numbers, and hyphen (-). The server does not accept names with space, period (.).

### ✓ Date, Time and NTP

Set the date, time, and time zone according to your location.

**Note:** Synchronize with an Internet time server automatically.

You can enable this option to update the date and time of the system automatically with specified NTP server.

## ✓ NTP Server

NAS can be sync with the NTP server if it is enabled.

## ✓ HTTP Port

Assign a port for the NAS http port. Default value: 80, input range: 1 ~ 65535.

## **Network Settings**

Home	System ×	Application *	Maintenance	<ul> <li>Langua</li> </ul>	age: English 💌	
System > Network Settings						
	Protocol:	Static IP	•			
	IP Address:	192	168 . 1	. 28		
	Subnet Mask:	255 .	255 . 255 .	. 0		
and the second sec	Default Gatewa	ay: 192 .	168 . 1	. 1		
	Primary DNS:	192 .	168 . 1 .	. 1		
	Secondary DN	IS: .				
Network Settings						
				Apply	Cancel	

## ✓ Protocol

 $\diamond$  Obtain the IP address settings automatically via DHCP

If your network supports DHCP, the NAS will use DHCP protocol to retrieve the IP address and related information automatically. If NAS cannot obtain an IP at the boot time, the IP will be configured as the default IP -- 192.168.1.1.

 $\diamond$  Use static IP address

To use fixed IP address for network connection, enter the IP address, subnet mask, and default gateway.

#### ✓ DNS

- $\diamond$  Primary DNS Server: Enter the IP address of the primary DNS.
- $\diamond$  Secondary DNS Server: Enter the IP address of the secondary DNS.

#### DDNS

Но	me Sy	ystem ×	Applicatio	on 🗡	Maintenance		Language:	English 💌	
System > DDNS									
	_		Г			_			
	D	UNS Service:		disable		•			
DDNS									
							Apply	Cancel	

- ✓ Register a domain name from a DDNS provider
- ✓ Enable DDNS service
- ✓ Fill in the DDNS account information on the DDNS page on the NAS
- ✓ NAS will update the WAN IP information to the DDNS provider automatically
- Remotely connect to the NAS by the domain name you registered from any PC
- ✓ The DDNS provider will map the WAN IP updated by NAS to the domain name should the IP change

## **Volume Information**

Home	System	n × Ap	pplication '	<ul> <li>Ma</li> </ul>	iintenance ≚	Language:	English 💌	
System > Volume Information								
	Internal Sto	rage						
	ID Sh	iare Name	Device ID	FS Type	Total Size(MB)	Free Sp	ace	
	1	NAS-HD	Hitachi	XFS	304095		100%	
	External Sto	orage						
Volume Information	ID Sh	iare Name	Device ID	FS Type	Total Size(MB)	Free Sp	ace	
					Refres	Remov	e USB	

## ✓ Internal Storage Device

- $\diamond$  This page shows the ID, share name, device ID, file system type and total size of the internal storage device on the NAS.
- $\diamond$  ID: The storage device ID number given by NAS.
- $\diamond$  Share Name: The storage device name.
- $\diamond$  Device ID: The disk ID given by the storage device manufacturer.
- $\diamond$  File system type: the file system of the storage device.
- $\diamond$  Total Size: The total size of storage device.
- $\diamond$  Free Space: The available space of storage device.

## External Storage Device

- $\diamond$  Connect the USB device to the USB port of the NAS, when the device is successfully detected, the details are shown on this page.
- $\diamond$  It may take tens of seconds for the NAS server to detect the external USB device successfully.
- **♦** Remove: safety remove external storage device

## **Disk Management**

## ✓ Web configuration

i. Single Mode Tab



Format the internal storage device as XFS or EXT3 format.

ii. RAID Mode Tab



- Select the disk which you are going to format.
- ♦ Select RAID Mode:

#### RAID 0

RAID 0 combines 2 hard drives into one larger volume. The data is written tothe hard drive without any parity information and no redundancy is offered.The total storage capacity of a RAID 0 is equal to the sum of the capacity of allmember hard drives.

≻ RAID 1

RAID 1 duplicates the data between two hard drives to provide disk mirroring. The storage capacity of a RAID 1 is equal to the size of the smallest hard drive.

> JBOD

JBOD is a collection of hard drive that does not offer any RAID protection. The data are written to the physical disks sequentially. The total storage capacity is equal to the sum of the capacity of all member hard drives.

♦ Format the internal storage device as XFS or EXT3 format.

## **Account Management**



## ✓ User Management

Administrator can manage (add, modify, and delete) user accounts of NAS.

## ✓ Users

 $\diamond$  admin

By default, the administrator "admin" has access right to the system administration

and cannot be deleted.

 $\diamond$  The number of Users

The maximum of NAS users is 64

#### Add user

Press Add to create a user with name, password and description

Horr	e System ¥	Application	<ul> <li>Maintena</li> </ul>	nce 🗡	Language:	English 💌
Account > User Management						
<b>User Management</b>	User name: Password: Verify passw User descrip	vord:				
					Apply	Return

The following information is required to create a new user:

```
◇ User name
Input range: 1~15 characters.
The invalid characters are: " / \ [ ] : ; | = , + * ? < > ` '

◇ Password
Input range: 5~20 characters.
The invalid characters are: " / \ [ ] : ; | = , + * ? < > ` '

◇ User name
Input range: 1~50 characters.
The invalid characters are: " / \ [ ] : ; | = , + * ? < > ` '
```

## $\checkmark$ The following information is required to delete a user:

 $\diamond$  Delete

Administrator can choose one user and delete it

## **Chapter 4: Application**

Application menu displays functions under this category.



## Samba

Users can use Samba to download and upload files between NAS and client PCs. The supported OS of client PC is Windows 7, Windows Vista, Windows XP, Mac OS X, and Linux.

	Home	System ×	Application ×	Maintenance *	Language:	English 👻	
System > General Setting	S						
	De	evice Name:	Williams0322				
	De	escription:	BadMAN-NAS				
	Da	ate:	Jan 🔻 1 💌	2008 🗲 (month,day,ye	ear)		
	Ti	me:	7 : 14 Al	▼ N			
	Ti	me Zone:	(GMT+08:00) Taipe	i		•	
	N	TP:	Enabled				
General Setting	s N	TP Server:	pool.ntp.org				
g	H	TTP Port:	80				
					Apply	Cancel	

## ✓ File Structure

The root directory shared by Samba server contains:

 $\diamond\, {\rm admin}$  : the private folder of the admin

Photo: the private photo folder of the admin, user could connect this photo folder with their smart phone

(ex: Http://ip/PhotoAlbum name/cache/xxx.jpg.thumb.jpg).

- Music: the private music folder of the admin, user could connect this music folder with their smart phone (ex: Http://ip/music/xxx.mp3).
- Video: the private video folder of the admin, user could connect this video folder with their smart phone (ex: Http://ip/video/xxx.avi).

**Note:** The App function should be supported by Goodman.

- USB\_Backup: system will start usb backup after user press the backup button which is on the NAS.
- $\diamond$  home: the private folder of NAS users will be created under this folder
- $\diamond$  public: the public folder shared by all users

## ✓ User Behavior

 $\diamond$  admin: admin user can manage all the data in the Samba share.

 $\diamond$  user: a normal user can only access his private folder and the public folder.

## ✓ Web configuration

- ♦ Samba server: enable or disable the function.
- Work Group: the work group setting for Microsoft Windows network. The default value is "workgroup"
- ♦ S tatus: display current server status (running/stopped)

## Bonjour

With Bonjour enabled, NAS will broadcast the HTTP and SMB services. Mac users can use "Finder" to discover the NAS samba share and use "Safari" to discover the NAS web page

	Home	System ×	Application		Maintenance	Language	English	-
Application > Bonjour								
		Bonjour:	© Enable	O Dia	sable			
		Status:	stopped					
Boniour								
, , , , , , , , , , , , , , , , , , ,						Apply C	ancel	

- ✓ Samba Server: enable or disable the function
- ✓ Status: display current server status (running/stopped)

### **FTP Server**

Users can use FTP to download and upload files between NAS and client PCs across the Internet.

- ✓ User Behavior
  - $\diamond$  admin: admin user can manage all the data in the Samba share.
  - $\diamond$  user: a normal user can only access his private folder and the public folder.
- $\checkmark$  Web configuration

Application > FTP Server     FTP Server        Port:   137   (Default value is 21)   Anonymous Login:   Anonymous Download   Anonymous Upload   Client PC's Language:   Vincode (UTF-8)   Status:   running     Apply     Cancel												
Application > FTP Server   FTP Server FTP Server FTP Server FTP Server FTP Server FTP Server FTP Server Status: running Cancel		Home	System		Applicati	on 👻	Maintenance		Language:	English	•	
Application > FTP Server   FTP Server FTP Server Image: Constant of the server of												
Application > FTP Server   FTP Server FTP Server FTP Server Enable Output O												
FTP Server  Enable    Port: 137 (Default value is 21)    Anonymous Login: I Enable Anonymous Download I Anonymous Upload    Client PC's Language: Unicode (UTF-8)   Statu: running   FTP Server Apply Cancel	Application > FTP Server											
FTP Server  e Enable    Port: 137 (Default value is 21)    Anonymous Login: I Enable Anonymous Download I Anonymous Upload    Client PC's Language:  Unicode (UTF-8)    Status: running   FTP Server Apply Cancel												
Port: 137 (Default value is 21)   Anonymous Login: Image: Enable   Image: Anonymous Download Image: Anonymous Upload   Image: Client PC's Language: Unicode (UTF-8)   Status: running   FTP Server  Cancel			FTP S	Servei	r	Ena	ble 🔍 Disable					
Anonymous Login:   Eable  Anonymous Download  Anonymous Upload  Client PC's Language: Unicode (UTF-8)  FTP Server  Apply Cancel			Port:			137	(Default value	is 21	)			
✓ Anonymous Download ✓ Anonymous Upload ✓ Client PC's Language: Unicode (UTF-8) ✓ Status: running FTP Server Apply Cancel			Anor	nymou	us Login:	🗹 Ena	ble					
Anonymous Upload     Client PC's Language: Unicode (UTF-8)     Status: running  FTP Server      Apply Cancel	FTP					🗸 Ano	nymous Downloa	d				
Client PC's Language: Unicode (UTF-8)  Status: running FTP Server Apply Cancel	~					🗹 Ano	nymous Upload					
Status: running FTP Server			Clien	t PC's	Language:	Unico	de (UTF-8)		•			
Apply Cancel	FTP Server		Statu	IS:		running						
									Apply	ancel		
									С	ancer		

 $\diamond$  FTP Server: enable or disable the function

- $\diamond$  Port: FTP server port, default value is 21, input range is 1~65535
- ♦ Anonymous login

You can enable anonymous login to allow users to access the FTP server of the NAS anonymously. If this option is disabled, the users must enter an authorized user name and password to access the server.

 $\diamond$  Anonymous Update

Let anonymous user to upload files from NAS by FTP

- $\diamond$  Client PC Language: Support Unicode, Simplified Chinese, Traditional Chinese, and Japanese Charsets.
- Status: display current server status (running/stopped)

## **USB** Printer

To provide printer sharing function for the network users, you can simply connect a USB printer to the USB port of the NAS. The NAS printer server only forwards data from users' PC to the printer. In this way, it means user should install the printer drivers in their PC in advance.

	Home	System ×	Application	<ul> <li>Maintenance</li> </ul>	y 🗸 Language: Eng	lish 🗸
Application > USB Printer						
		Ortions	D t	Device News	Desides Mardal	
		Options	Port	Device Name	Device Model	
USB Printer						
					Start Sto	q

#### ✓ Options

Select the printer which you are going to start or stop

#### ✓ Port

Show which USB port is used

✓ Device Name

Printer names

✓ Device Model

Printer device model

## **BT Downloader**

The NAS supports BT download. You can add download task to the NAS and let the server finish downloading independent of PC.

	Home	System ¥	Applic	cation ×	Mainte	nance 🔪	- Languag	e: English	•
Application > BitTorrent									
		Auto Start:		●Enable ©	Disable				
		Server Status:		Running					
0									
BitTorrent									
						Apply	Cancel	Job list	

- ✓ BitTorrent: enable or disable the function.
- ✓ Status: display current server status (running/stopped)
- ✓ Job List: display current torrent status

	Home	System 🖌 Ap	oplicatio	n ×	Mainte	nance 🖌	Language: Englist	• ۱
Application > BitTorrent								_
	ID	File Name	9	Size	Progress	DL/UL Spee	ed Operation	
	1	Saw VII 2010 720p BR viD AC3-BASHA (King Release)	Rip X dom 1.4	48 GB	0%	0.00 B/s   0.00	B/s 🕑 🕕 🔍 🙁	
0								
BitTorrent								
		Pro	eference	A	doL bb	Refresh	Return	

- ✓ ID: The BT task number.
- ✓ File Name: BT Downloaded file name.
- $\checkmark$  Size: BT downloaded file size
- ✓ DL/UL speed: Download / Upload speed
- ✓ Operation:

 $\diamond$  Start: Start the BT task.

 $\diamond$  Pause: Pause the BT task

 $\diamond$  Info: The detail information of BT task

♦ Delete: Delete BT task

✓ Go to "Applications" > " BitTorrent".

✓ Select "Add Job"

Add a New Job	
Please choose a torrent file to upload.	
》 第1971	
Upload	Cancel

♦Add a new BT task

Click "Add Job" and upload a torrent file. You can download legal torrent files by searching on the Internet. Please download the torrent files to your local disk and then upload them to the NAS.

✓ After uploading a download task, the task will appear on the List.



 $\checkmark$  Press the Start button on the Operation and the BT task start download



#### ✓ Preference

User can set some BT parameters here to limit the connected peers or bandwidth

Preference				
TCP Source Port: Maximum peers overall:	51413 240	]		
Maximum peers per torrent:	60			
Download rate:	300	KB/s		
Upload rate:	20	KB/s		
			Save & exit	Cancel

- Maximum peers overall: The total maximum number of connected peers. Default is
   240.
- Maximum peers per torrent: The maximum number of connected peers per torrent.
   Default is 60.
- ♦ Download rate: The bandwidth of all BT downloading tasks. Default is 100. 0 is no limit.
- ♦ Upload rate: The bandwidth of all BT uploading tasks. Default is 10. 0 is no limit.

#### ✓ Refresh task information

User can use "Refresh" to get the latest status of all BT tasks.

#### ✓ BT Task info

After user trigger the BT task info in operation, the following Job detail will be shown:

Application > BitTorrent >	Preference
Name:	Saw VII 2010 720p BRRip XviD AC3-BASHA (Kingdom Release)
Location:	/public/BTDownload
Percent:	0.00%
ETA:	Unknown
Download Speed:	0.00 B/s
Upload Speed:	0.00 B/s
Have:	Have: Unknown (Unknown verified)
Total:	Total size: 1.48 GiB (1.48 GiB wanted)
Downloaded:	Unknown
Uploaded:	Unknown
Ratio:	None
Peers:	0(0/0)
	Refresh Close

- ♦ Name: The downloaded BT file
- ♦ Location: The location of downloaded BT file, default is /public/BTDownload
- ♦ Percent: The completeness percentage of BT task
- ♦ Download speed: The download speed of BT task
- ♦ Upload speed: The upload speed of BT task
- $\diamond$  Have: The downloaded BT file size
- $\diamond$  Total: The Total BT file size
- $\diamond$  Downloaded: The downloaded BT file size
- $\diamond$  Uploaded: The uploaded BT file size
- ♦ Ration: The ratio of Uploaded/Downloaded
- ♦ Peers: The connected number of peers

#### iTunes

iTunes server shares mp3 files in the public folder. The shared file list will be refreshed automatically every minute. Supported iTunes client versions are 9 and 10.5.1.

	Home	System ×	Application ×	Maintenance ×	Language: English 🗸
Application > iTunes Server					
		iTunes serve refreshed au	er shares mp3 files in utomatically every min	the public folder. The sh ute.	ared file list will be
		iTunes Serv	er: 💿 Enabl	e 🔘 Disable	
		Status:	running		
iTunes Serve	er				
					Apply Cancel

- $\diamond$  iTunes Server: enable or disable the function
- ♦ Status: display current server status (running/stopped)

檔案(E) 編輯(E) 檢視(V) 控制(C)	Store(S) 維階(A) 説明(H)				iTunes				
	+				Ś			Q-搜尋播放活單	
資料庫	✓ 名額	時間長度	演出者		草輯	類型	喜好程度		
」「□ 音樂	✓ Come Together	6:33	The Beatles	1	bbey Road (Remast	Rock			4
目 影片	Here Comes The Sun	4:51	The Beatles		bbey Road (Remast	Rock			
🔲 電視節目	✓ She Came In Through The Bathroom	3:11	The Beatles		bbey Road (Remast	Rock			
□ 鈴聲	✓ Golden Slumbers	2:15	The Beatles	4	bbey Road (Remast	Rock			
121 廣播	🖌 Ob-La-Di, Ob-La-Da	4:28	The Beatles	1	he Beatles (The Whi	Rock			
	While My Guitar Gently Weeps	7:36	The Beatles	1	he Beatles (The Whi	Rock			
STORE	No Reply	3:26	The Beatles	E	eatles For Sale (Re	Rock			
Tunes Store	Rock and Roll Music	3:42	The Beatles	E	leatles For Sale (Re	Rock			
共享	🖌 Eight Days A Week	4:04	The Beatles	E	eatles For Sale (Re	Rock			
⑦ 家庭共享	And I Love Her	3:32	The Beatles	4	Hard Day's Night (R	Rock			
🕞 Ideal8T-NAS 🕒	🖌 Can't Buy Me Love	3:24	The Beatles	4	Hard Day's Night (R	Rock			
	🖌 I'll Be Back	3:26	The Beatles	4	Hard Day's Night (R	Rock			
GENIUS	✓ Help!	3:08	The Beatles	÷	ielp! (Remastered)	Rock			
X8 Genius	You're Going To Lose That Girl	3:17	The Beatles	- H	ielp! (Remastered)	Rock			
播放活單	Ticket To Ride	4:16	The Beatles	÷	ielp! (Remastered)	Rock			
🛞 iTunes DJ	🖌 Yesterday	2:56	The Beatles		elp! (Remastered)	Rock			
	🖌 Get Back	4:04	The Beatles	L	et It Be (Remastered)	Rock			
古典音樂	Magical Mystery Tour	4:27	The Beatles	1	lagical Mystery Tour	Rock			
☆ 音樂線影帶	🖌 I Am The Walrus	7:03	The Beatles		lagical Mystery Tour	Rock			
奇 最近加入的歌曲	🖌 Hello Goodbye	5:35	The Beatles	1	lagical Mystery Tour	Rock			
高 最近播放涡的歌曲	Strawberry Fields Forever	6:13	The Beatles		lagical Mystery Tour	Rock			
高品質透明的配面(25 首)	Penny Lane	4:00	The Beatles	1	lagical Mystery Tour	Rock			
高 長支来的歌曲	🖌 I Want To Hold Your Hand	4:19	The Beatles	F	ast Masters (Remas	Rock			
"你 的普通自知的面	Long Tall Sally	3:15	The Beatles	F	ast Masters (Remas	Rock			
	🖌 Lady Madonna	3:40	The Beatles	F	ast Masters (Remas	Rock			
	🖌 Hey Jude	11:19	The Beatles	F	ast Masters (Remas	Rock			
	Revolution	5:42	The Beatles	F	ast Masters (Remas	Rock			
	🖌 Don't Let Me Down	5:24	The Beatles	F	ast Masters (Remas	Rock			
	🖌 The Ballad Of John And Yoko	4:39	The Beatles	F	ast Masters (Remas	Rock			
	✔ LetItBe	5:39	The Beatles	F	ast Masters (Remas	Rock			
	🖌 I Saw Her Standing There	4:48	The Beatles	F	lease Please Me (Re	Rock			
	🖌 Love Me Do	2:08	The Beatles	F	lease Please Me (Re	Rock			
	V P.S. I Love You	1:59	The Beatles	F	lease Please Me (Re	Rock			
	Yellow Submarine	4:12	The Beatles	F	tevolver (Remastered)	Rock			
+ * 🗢 🖻					41 首歌,3 小時,168	8.3 MB			

## **Media Server**

Media server shares multimedia files in the public folder. The shared file list will be refreshed automatically every minute. Note that the media server is built from an open source software package, and it is not DLNA certificated. The benchmark MMP player is Nero Showtime 4 and PS3, and the referenced supported content formats are listed as follows.

- i. Nero Showtime 4: wmv, avi, mpeg1, mpeg2, mpeg4, mp3, wma, jpg, png, gif
- ii. PS3: avi, mp3, wma, jpg, png, gif

Home	System		Applicatio	n ×	Maintenance		Language:	English	•
Application > Media Server									
		Me	dia server shai	res multi	media files in the	public	folder.		
Partice 1		Me	dia Server:	© Enab	le 🖲 Disable				
		Sta	atus:	stopped	l				
Media Server									
wedia Server						_			
						Ap	ply Can	cel	

- $\diamond$  Media Server: enable or disable the function
- ♦ Status: display current server status (running/stopped)

## **Chapter 5: Maintenance**

Maintenance menu displays functions under this category.



#### **Power Management**

Follow the steps below to restart or shut down the NAS.

- i. Login the NAS. Go to "Maintenance" > "Power Management".
- ii. Click "Restart" to reboot the server or "Shut Down" to turn off the server.



## HDD suspend

You can enable or disable the suspend functions of the NAS.

Select the time duration the HDD will enter standby mode.

Home System * Application * Maintenance * Language English •   Maintenance > Harddisk Suspend   Maintenance > Harddisk Suspend   Spin down the disk when no disk access. <ul> <li>Suspend mode disable</li> <li>Suspend after 10 minutes</li> <li>Suspend after 30 minutes</li> <li>Suspend after 60 minutes</li> </ul> Apply Cancel									
Waintenance > Harddisk Suspend         Spin down the disk when no disk access.         Suspend mode disable         Suspend after 10 minutes         Suspend after 30 minutes         Suspend after 60 minutes	Home	System ×	Application ×	Maintenance	<ul> <li>Language:</li> </ul>	English 👻			
Maintenance > Harddisk Suspend         Spin down the disk when no disk access.            Suspend mode disable <ul> <li>             Suspend after 10 minutes             <li>             Suspend after 30 minutes             <li>             Suspend after 60 minutes         </li> </li></li></ul>									
Maintenance > Harddisk Suspend         Spin down the disk when no disk access.         Suspend mode disable         Suspend after 10 minutes         Suspend after 30 minutes         Suspend after 60 minutes         Suspend after 60 minutes									
Spin down the disk when no disk access.         Suspend mode disable         Suspend after 10 minutes         Suspend after 30 minutes         Suspend after 60 minutes	Maintenance > Harddisk Suspend								
Spin down the disk when no disk access.     Suspend mode disable   Suspend after 10 minutes   Suspend after 30 minutes   Suspend after 60 minutes     Apply     Cancel									
<ul> <li>Suspend mode disable</li> <li>Suspend after 10 minutes</li> <li>Suspend after 30 minutes</li> <li>Suspend after 60 minutes</li> </ul>		Spin down the	disk when no disk a	ICCESS.					
Suspend after 10 minutes     Suspend after 30 minutes     Suspend after 60 minutes Harddisk Suspend		Suspend mode disable							
Suspend after 30 minutes     Suspend after 60 minutes Harddisk Suspend  Apply Cancel	<u>S</u>	<ul> <li>Suspend after 10 minutes</li> </ul>							
Suspend after 60 minutes Harddisk Suspend Apply Cancel		Suspend after 30 minutes							
Harddisk Suspend	-	Suspend af	fter 60 minutes						
Apply Cancel	Harddisk Suspend								
					Apply	Cancel			

## HDD S.M.A.R.T

Monitor the hard disk drives (HDD) health, temperature, and the usage status by HDD S.M.A.R.T.



Mainte	Maintenance > HDD S.M.A.R.T. Information								
Smart	Result: Passed								
ID	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
1	Raw_Read_Error_Rate	0x000b	100	100	050	Pre-fail	Always	-	0
2	Throughput_Performance	0x0005	100	100	050	Pre-fail	Offline	-	0
3	Spin_Up_Time	0x0027	100	100	001	Pre-fail	Always	-	1199
4	Start_Stop_Count	0x0032	100	100	000	Old_age	Always	-	41312
5	Reallocated_Sector_Ct	0x0033	100	100	050	Pre-fail	Always	-	202
7	Seek_Error_Rate	0x000b	100	100	050	Pre-fail	Always	-	0
8	Seek_Time_Performance	0x0005	100	100	050	Pre-fail	Offline	-	0
9	Power_On_Hours	0x0032	092	092	000	Old_age	Always	-	3585
10	Spin_Retry_Count	0x0033	253	100	030	Pre-fail	Always	-	0
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	1005
191	G-Sense_Error_Rate	0x0032	100	100	000	Old_age	Always	-	4
192	Power-Off_Retract_Count	0x0032	100	100	000	Old_age	Always	-	465
193	Load_Cycle_Count	0x0032	071	071	000	Old_age	Always	-	290954
194	Temperature_Celsius	0x0022	100	100	000	Old_age	Always	-	32
196	Reallocated_Event_Count	0x0032	100	100	000	Old_age	Always	-	2
197	Current_Pending_Sector	0x0032	100	100	000	Old_age	Always	-	0
198	Offline_Uncorrectable	0x0030	100	100	000	Old_age	Offline	-	12
199	UDMA_CRC_Error_Count	0x0032	200	200	000	Old_age	Always	-	32
220	Disk_Shift	0x0002	100	100	000	Old_age	Always	-	15
222	Loaded_Hours	0x0032	097	097	000	Old_age	Always	-	1417
223	Load_Retry_Count	0x0032	100	100	000	Old_age	Always	-	0
224	Load_Friction	0x0022	100	100	000	Old_age	Always	-	0
226	Load-in_Time	0x0026	100	100	000	Old_age	Always	-	323
240	Head_Flying_Hours	0x0001	100	100	001	Pre-fail	Offline	-	0

## **Firmware Upgrade**

- ✓ Whenever a new firmware released, we can upgrade the NAS firmware from here.
- ✓ The system update may take tens of seconds to several minutes to complete depending on the network connection status. Please wait patiently. The system will inform you when system update is completed.

**Note:** Synchronize with an Internet time server automatically.



## Save & Restore Config

Here allow us to backup the setting we've set for future use. (Including the settings in LAN, System, and service settings)

✓ To back up the settings, including server name, the settings in LAN, System, and service settings etc., click "Save" and select to save the setting config.

✓ Items which will be saved:

System	Item
General Settings	
	Language
	Device Name
	Description
	NTP Status
	NTP Server
	HTTP Port
Network Settings	
	Protocol
	IP Address
	Subnet Mask
	Default Gateway
	Primary DNS
	Secondary DNS
Application	Item
Samba	
	Server
	Workgroup
Bonjour	
	Server
FTP	
	Server
	FTP Port
	Download Rate
	Upload Rate
BT	
	Server
	TCP Source Port
	Maximum peers overall
	Maximum peers per torrent
	Download rate
	Upload rate
iTunes	
	Server
Media	
	Server



✓ To restore the settings, click "Restore", click "Browse" to select a previously saved setting config and click "Restore" again.

**Note:** User can not shutdown the NAS during Restore.

Home	System ×	Application ¥	Maintenance	<ul> <li>Language</li> </ul>	English 👻	
Maintenance > Restore Configuration						
	Restore your	settings by uploading	a previously saved	NAS configuratio	on file	
Restore Configuration						
				Restore	Return	

## **Factory Default**

- ✓ To reset the settings to default, click "Default Setting".
- ✓ NAS will be reboot for the new setting to be effective.
- ✓ When you press "Default Setting" on this page, all the system settings are cleared and restored to default. Please make sure you have backed up all the system settings before resetting the NAS.
- ✓ Items which will be reset to default:

System	Item	Default Value		
General Settings				
	Language	English		
	Device Name	GOODMAN-NAS		
	Description	GOODMAN-NAS		
	Time Zone	(GMT+08:00) Taipei		
	NTP Status	Enable		
	NTP Server	pool.ntp.org		
	HTTP Port	80		
Network Settings				
	Protocol	DHCP		
	IP Address	192.168.16.1		
	Subnet Mask	255.255.255.0		
	Default Gateway	192.168.16.1		
	Primary DNS	168.95.192.1		
	Secondary DNS	168.95.1.1		
Application	Item	Default Value		
Samba				
	Server	Enabled		
	Workgroup	WORKGROUP		
Bonjour				
	Server	Enabled		
FTP				
	Server	Enabled		
	FTP Port	21		
	Anonymous	Disable		
	Login			
	Client PC's	Unicode (UTF-8)		
	Languaga			
BT				
	Server	Enabled		
	TCP Source Port	51413		
	Maximum peers	240		
	overall			
	Maximum peers	60		
	per torrent			

	Download rate	300
	Upload rate	20
iTunes		
	Server	Enabled
Media		
	Server	Enabled



## System Log

✓ The NAS can store 50 recent event logs, including warning, error, and information messages.

	Home	System `	Application	n Y	Maintenance	× L	anguage:	English 👻
Maintenance > System Log								
	Inde	ex			Log Content			
	1	[2008-(	01-01 00:00:35]: iT	unes s	erver started.			*
	2	[2008-0	01-01 00:00:43]: iT	unes s	erver started.			E
A.	3	[2008-0	01-01 00:00:44]: iT	unes s	erver started.			
	4	4 [2008-01-02 01:43:15]; FTP server stopped.						
	5	[2008-0	01-02 00:02:20]: iT	unes s	erver stopped.			
2	6	6 [2008-01-02 00:02:19]: FTP server stopped. 7 [2008-01-01 00:00:29]: iTunes server started.						
~;	7							
	8	8 [2008-01-01 00:00:26]: iTunes server started.						
Overfame Land	9	[2008-(	[2008-01-01 00:36:15]: FTP server started.					
System Log	10	[2008-(	01-01 00:36:10]: FT	rP serv	er started.			
	11	[2008-(	01-01 00:36:01]: FT	rP serv	er started.			-
						Re	fresh C	lear

Log type	Detail	Message
System start	Date/time	System start at mm/dd/yyyy, time
NTP	Date/time	Use NTP to synchronize date & time successfully
NIC 1 get DHCP/Fix IP	Date/time & IP	NIC 1 get DHCP/Fix (IP.192.xxx.xxx) at mm/dd/yyyy, time
FTP Start/Stop	Date/time	FTP server started/Stop
iTunes Start/Stop	Date/time	iTunes server started/Stop
Media Start/Stop	Date/time	UPnP media server started/Stop

## **Chapter 6: GPIO**

## Definition

Location	Meaning	Color	Status	Explanation					
	D2 SATA1 System Status HDD Display + LED HDD 0 Status	Contract Challer		Slow flashing	Boot up,Linux OS has not booted up yet.				
HDD Display LED		Blue	Light on	When Linux OS is ready,user can use this device.					
			Flashing	When HDD0 is reading and writing data.					
	D3 SATA2 System Status HDD Display + LED HDD 0 Status							Slow flashing	Boot up,Linux OS has not booted up yet.
D3 SATA2 HDD Display LED		Blue	Light on	When Linux OS is ready, user can use this device					
			Flashing	When HDD0 is reading and writing data.					
			Light on	When the USB Device inserts to USB Port 1 (P3) or Port 2 (P1)					
D8	USB Host detect	Orange	Flashing	When the USB Device is reading and writing data					
D1	LAN	Green	Light on	Not connecting to internet is light off. Connecting to internet is light on.					
D1	LAN	Green	Flashing	Internet data reading and writing is flashing.					

## Enjoy the use of your Conceptronic NAS!