

CAND Series

User's Guide

Network Attached Storage

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Introduction



Features

- 10/100/100 Mbit/s LAN Speed
- Printer server capability with USB 2.0
- Preconfigured to RAID 1
- Preformatted to ext3
- Supports RAID 0, RAID 1, Spanning, and JBOD
- Supports ext 2, ext 3, FAT32 (JBOD only) formatting
- Supports FTP/SMB server
- Supports UPnP Protocol
- Exceptional heat dissipation
- PC, Mac and Linux compatible

Accessories

- Ethernet Cable (RJ45)
- Power Adapter
- User Guide

Conventions & Safety Instructions



CAUTION: This symbol is to remind you to pay attention and read carefully. Failure to do so could result in injury or data loss.



NOTE: This symbol is used to provide you with useful information.

- Read through this entire manual and save for future reference.
- Place unit in a secure location to prevent being bumped or dropped.
- Do not place near a radiator or other heat sources.
- Do not use near water.
- Gaps and opening on the outer enclosure are intended to provide airflow. Never block or cover these openings or it may cause overheating.
- The unit must be grounded. It is equipped with a 3-wire, grounded power cable.
- Do not place where the cables could be stepped on.
- Unplug the power cable from the unit before cleaning. Keep the unit dry. Do not use liquid cleaners, aerosol cleaners, or a wet cloth to clean.
- Disassembling the enclosure will void your warranty.

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Usage

Strong impacts or dropping of the product may cause damage. Only allow qualified personnel to repair this product. Disassembling or opening this product will void your warranty.

Disclaimer

Cavalry is not liable for compensation for data loss which may result from a malfunction of the product or from changes due to improper use, repairs, defects, or battery change. Please back up your data to avoid unexpected losses. Cavalry reserves the right to make changes to the content of this manual without notice. The most current manuals and software are available for download at Cavalry's website.

ATTENTION: This guide will assist you in the operation of the product. For your safety and to optimize your experience with this product, please reading this entire manual before usage.




Quick Start Guide

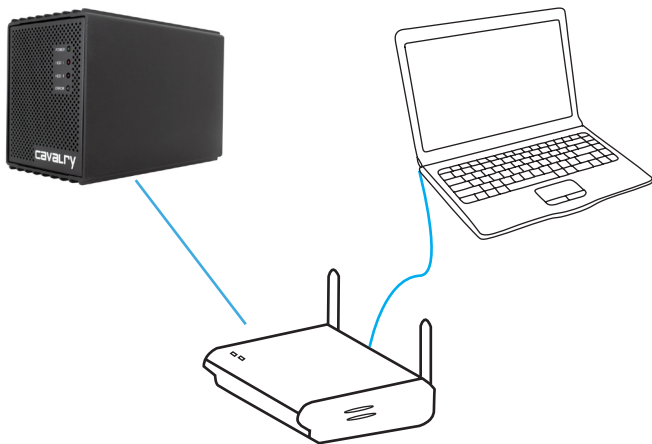
This portion of the manual gives a brief overview of the steps required to start transferring files. It also goes over the main features and functions of the NAS drive such as attaching a printer and determining the unit's IP address.

Advanced configuration of formatting and RAID settings are not required to use the unit. The drive is already preconfigured to RAID 1 and formatted to ext3.

Quick Start

 NOTE: For optimal security and convenience, we recommend designating a single computer to handle all configurations.

1. Connect the power adapter to the NAS. Then plug the adapter into an electrical outlet.
2. Turn on the power; the “Power” LED light will indicate the unit is on.
3. Insert the Ethernet cable to the LAN port on the back of the NAS and the other end to an Ethernet port on the network adapter of a router/switch/hub. The “Link” LED will indicate a connection.



Mapping

Windows XP Users

1. Go to "My Network Places", then click on "Entire Network" in the left hand panel.
2. Go to "Microsoft Windows Network" >> "Workgroup" >> "Cavalry"
3. Find and right-click "public" then click on "Map Network Drive..."
4. In the new window, designate a Drive Letter and click Finish.
5. When prompted, enter:
Username: admin
Password: admin
6. After successfully mapping the drive, the NAS will appear on "My Computer" and is ready for use.

Windows Vista Users

1. Go to "Network" under the Start Menu.
2. Find and double-click "CAVALRY"
3. When prompted, enter:
Username: admin
Password: admin
4. Find and right-click "public" then click on "Map Network Drive..."
5. In the new window, designate a Drive Letter and click Finish.
6. After successfully mapping the drive, the NAS will appear on "Computer" and is ready for use.

Mac OS X 10.5+ Users

1. In the Finder, go to "Go" >> "Connect to Server" (Command-K)
2. Enter the NAS address (e.g. "cifs://192.168.1.5 - This address can be found in "Network Utility" or by going to the router control settings on the web browser and searching through the connected devices. Also see 2.3.5)
3. When prompted, enter:
Username: admin
Password: admin
4. Mount (i.e. "map") the "public" volume and it will automatically appear in "Computer" (Shift-Command-C)
5. After successfully mounting the drive, the NAS is ready for use. To unmount, eject the network drive.

Web-based GUI

1. The NAS configuration GUI can be accessed by typing the following into any web browser.
http://cavalry/login.cgi or http://cavalry
2. When prompted, enter:
Username: admin
Password: admin
3. Once logged in, the system IP address will appear. See 2.3.5 for more information.
4. Refer to the rest of this guide to make advanced configuration changes.

Printer (optional)

1. Attach a network-capable printer to the NAS with the USB cable.
2. Refer to your printer settings to properly configure it to the system.



NOTE: GDI/Host-based printers are not supported.

IP Address (optional)

1. To find the IP address of the NAS unit, go to the command prompt - "cmd" in Run.
2. Type "ping cavalry" to return the IP address of the NAS.

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

C:\Documents and Settings\Administrator>ping cavalry

Pinging cavalry [10.0.0.209] with 32 bytes of data:

Reply from 10.0.0.209: bytes=32 time<1ms TTL=64
Reply from 10.0.0.209: bytes=32 time<1ms TTL=64
Reply from 10.0.0.209: bytes=32 time<1ms TTL=64
Reply from 10.0.0.209: bytes=32 time<1ms TTL=64

Ping statistics for 10.0.0.209:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Documents and Settings\Administrator>_
```

FTP Service (optional)

1. Use FTP to access the NAS from anywhere on the network by going to **ftp://cavalry** or **ftp://"address"** (e.g. **ftp://10.0.0.209**)
2. This will allow downloads and uploads of files on the NAS.



NOTE: Using a dedicated FTP application is recommended

Complete User's Guide

The remainder of this manual is optional and gives a more thorough guide to the features offered. A higher level of networking experience may be required for some of the more advanced features.

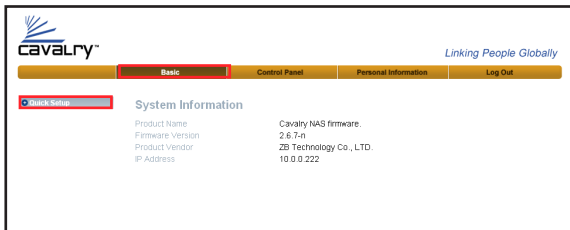
The following three chapters corresponds to a menu item located on the top of the web-based GUI. Instructions to access the web-based GUI can be found in the Quick Start section.

Chapter 1

Basics

1.1 Quick Setup

Click on “Quick Setup” on the left of the GUI to open a sub-menu. See the “Quick Start” section for instructions on how to access the GUI.



- 1.1.1 Wizard
- 1.1.2 Add User
- 1.1.3 Add Group
- 1.1.4 Add Share

1.1.1 Wizard

Follow the on screen instructions to complete the following steps:

- Preference Language
- New Password
- Hostname
- IP Address / DNS Server Settings (leave both on automatic for default settings)
- Time
- Confirmation

1.1.2 Add User

Step 1. Add user name and password

- Enter a new user name and password. (To simply create a new user with default settings, enter the username and password in the first step then click "Next" then click "Next" through the remaining 2 steps.)
- Designate a shared folder by checking the "Create Shared Private Folder" box and specify the location of the folder if needed.
- Specify the quota amount of megabytes (MB) this user will be allowed to use. Leave unchecked to allow unrestricted usage.
- To edit user settings in the future, go to section 2.1.1
- Click "Next" to continue.

Step 1/3

Add User

User Name

Password
 Please type your password again

Description (optional)

Create Shared private Folder
Shared Private Folder Location

Enable Quota of MB

Step 2. User Management - Add or remove membership to existing groups.

- Choose any existing group(s) to join, and click "Add". The group will move to the "Member" column.
- Remove a group from the "Member" column by selecting the group and clicking "Remove".
- Click "Next" to continue.

Step 2/3

User Management - john

Member		Non-member
<div style="border: 1px solid gray; padding: 5px;">===== END LIST =====</div>	<input type="button" value=" << Add"/> <input type="button" value=" Remove >>"/>	<div style="border: 1px solid gray; padding: 5px;"><div style="background-color: #0056b3; color: white; padding: 2px;">guest-share</div>===== END LIST =====</div>

Step 3. Share Permission - Grant users access to existing group-shares. A group-share is a location in the NAS where multiple users can view and/or edit files.

- Choose any existing group-share(s) to grant users access to, and click "Read Only" or "Writable". The group-share will move to the "Access Granted" column with the chosen permissions. "Read Only" will allow the user to access files in the group-share but will not be able to edit the contents. "Writable" gives the user full permission to make changes to the file.
- Remove a group-share from the "Access Granted" column by selecting the group-share and clicking "Remove"
- Click "Confirm" to finish adding the user.

Step 3/3

Share Permission - john

Access Granted

Access Denied

public (Writable)
newshare (Read Only)
==== END LIST =====

<< Read Only
<< Writable

Remove >>

==== END LIST =====

1.1.3 Add Group

Step 1. Choose a group name

- Enter a new group name.
- Click "Next" to continue.

Step 1/3

Add Group

Group Name

Step 2. Add users to group

- Click on a user in the "Non-member" column and click "Add" to move the user to the "Member" column.
- To remove a user from the group, choose a user and click "Remove"
- Click "Next" to continue.

Step 2/3

Group Member - finance

Member

Non-member

john
==== END LIST =====

<< Add
Remove >>

admin
guest-share
kijk
newuser1
==== END LIST =====

Step 3. Give a group access to existing group-shares

- Choose any existing group-share(s) to grant access to, and click “Read Only” or “Writable”. The group-share will move to the “Access Granted” column with the chosen permissions. “Read Only” will allow the group to access files in the group-share but will not be able to edit the contents. “Writable” gives the group full permission to make changes to the file.
- Remove a group-share from the “Access Granted” column by selecting the group-share and clicking “Remove”
- Click “Confirm” to finish adding the group.

Step 3/3

Share Permission - finance

Access Granted

Access Denied

newshare (Read Only)
public (Writable)
==== END LIST =====

<< Read Only
<< Writable
Remove >>

==== END LIST =====

1.1.4 Add Share

Step 1. Choose a share name

- Enter a new share name. The path will automatically be displayed.
- Enter an optional description.
- Click “Next” to continue.

Step 1/3

Add Share

Share Name

Path

Description (Optional)

Step 2. Grant users and/or groups access to the share

- Click on a user or group (groups are denoted by the "@" prefix) in the "Access Denied" column and click either "Read Only" or "Writable" to move the user to the "Access Granted" column.
- To remove a user or group, choose a user or group and click "Remove"
- Check the box next to "Grant access to all" to give all users and groups full access.
- Click "Next" to continue.
- See 2.2.2 to allow Windows network access.

Step 2/3

Windows, FTP Access - financial_statements

Grant access to all

Access Granted		Access Denied
john (Read Only) @guest-share (Writable) ===== END LIST =====	<< Read Only << Writable Remove >>	admin guest-share kljk newuser1 ===== END LIST =====

The prefix "@" denotes Group Name.

Step 3. Network File System (NFS) configuration

- Check the "Grant Access to All" box to remove all restrictions to the share. All on the network will have unrestricted access to the share.
- If you want to only grant certain IP addresses or subnets access to the share, enter the IP/subnet into the fields on the right and then click "Add"
- Click "Confirm" to finish adding the share.

Step 3/3

NFS Access - contracts

Grant access to all

Allowable IP/Subnet

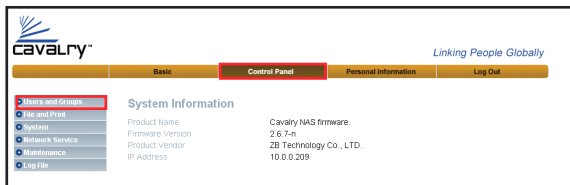
10.0.0.123 12.0.0.1/255.255.255.0 ===== END LIST =====	Add Remove	<input type="radio"/> IP Address <input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> <input checked="" type="radio"/> Subnet 10 . 0 . 0 . 1 / 255 . 255 . 255 . 0
--	---------------	---



Chapter 2

Control Panel

2.1 Users and Groups



2.1.1 User Management

2.1.2 Group Management

2.1.1 User Management

To add a new user:

- To add a new user, type a new name in the "User Name" field
- Enter a password and retype to confirm.
- Check the "Create Shared private Folder" box to create a personal folder for this particular new user.
- Check "Enable Quota of" and enter a the amount of space (in MB) the user will be allowed to use.
- Click "Save".

To edit an existing user's account information

- Choose an "existing user" from the list.
- Check the "Create Shared private Folder" box to create a personal folder for this particular new user.
- Check "Enable Quota of" and enter a the amount of space (MB) the user will be allowed to use. Uncheck to remove quota restrictions.
- To add this user as a member of a group, click "Group" and follow section 1.1.3
- To delete a user, choose an existing user and click "Delete User".
- Click "Save".

User Management

Existing Users

- admin
- guest-share
- john
- klj
- newuser1
- END LIST -----

User Name:

Password:

Please type your password again

Description (optional):

Create Shared private Folder

Shared Private Folder Location:

Enable Quota of MB

2.1.2 Group Management

To add a new group:

- To add a new user, type a new name in the "Group Name" field
- Click "Save".

To edit an existing group

- Choose an "existing group" from the list.
- To add members to this group, click "Members" and follow section 1.1.3
- To delete a group, choose an existing group and click "Delete Group"
- Click "Save".

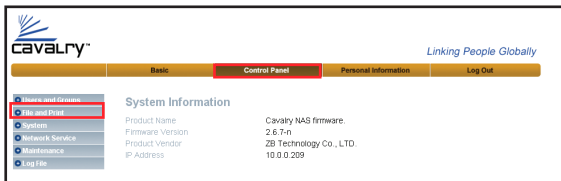
Group Management

Existing Groups

- guest-share
- END LIST -----

Group Name:

2.2 File and Print



2.2.1 File Server

2.2.2 Share Management

2.2.3 Printer Server

2.2.1 File Server

- Change the character set of the NAS to one appropriate for your region.
- Check the Windows Setting box (checked by default) to enable the NAS to be on a Windows workgroup network.
- FTP capability is enabled by default. Uncheck to remove feature.
- Check "Enable FTP with TLS" to enable Transport Layer Security.
- FTP capability is enabled by default. Uncheck to remove feature.
- Click "Save".

The screenshot shows the "File Server Setting" configuration page. The settings are as follows:

- Character set: English (CP437)
- Windows Setting: Enable
- Workgroup: WORKGROUP
- Description: Cavalry V2_6_7-n
- WINS Server (Optional): [] . [] . [] . []
- FTP Server Setting: Enable
- Enable FTP with TLS:
- Port Number: 21
- NFS Server Setting: Enable
- Guest Access Setting: Enable
- Enable Quota:
- Guest-user Quota: [] MB

A "Save" button is located at the bottom right of the form.

2.2.2 Share Management

Grant users and/or groups access to the share

- Choose an existing share from the list and click on “Windows, FTP Access” or “NFS Access” to configure preferred access method settings.

Share Management

Existing Shares

- newshare
- public
- ===== END LIST =====

Share Name: public

Path: /mnt/md1 / public

Description (Optional): Folder Share for public

Buttons: Windows, FTP Access, NFS Access, Save, Clear Form, Delete Share

- Windows, FTP Access (FTP must be enabled. See 2.2.1)
 - Click on a user or group (groups are denoted by the “@” prefix) in the “Access Denied” column and click either “Read Only” or “Writable” to move the user to the “Access Granted” column.
 - To remove a user or group from the share, choose a user or group and click “Remove”.
 - Alternatively, check “Grant access to all” to give all users and groups full access to the share.
 - Click “Save”.

Windows, FTP Access - public

Grant access to all

Access Granted

- admin (Writable)
- ===== END LIST =====

Access Denied

- guest-share
- @guest-share
- ===== END LIST =====

Buttons: << Read Only, << Writable, Remove >>, Save, Cancel

The prefix “@” denotes Group Name.

- NFS Access
 - Enter either an IP address or an IP subnet to grant access to.
 - Click on “Add” to allow the IP address/subnet access to the NFS.
 - To remove, click on the IP address/subnet on the left and click on “Remove”
 - Alternatively, check “Grant access to all” to give all IP address/subnet full access to the share.
 - Click on “Save”.

2.2.3 Printer Server

Set the NAS as a printer server for remote printing

- Enable the printer server capability by checking the “Enable” box.
- Connect the printer to the NAS via the USB port on the back of the unit. (USB port solely for network printers).
- Turn on the printer.
- Once the printer has been detected by a network computer, install the necessary printer drivers (drivers are installed on the computer, not on the NAS unit)
- Follow your operating system’s instructions on adding a network printer.

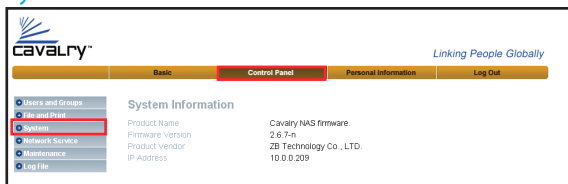


NOTE: If there are driver installation problems, try directly connecting the printer to the network host computer first to install the driver. Reconnect the printer to the NAS once the driver has been successfully installed.



NOTE: GDI/Host-based printers are not compatible. Certain multi-function printers with scanning functions might not work. Contact the printer manufacture for detailed specifications.

2.3 System



2.3.1 LAN Settings

2.3.2 Time Settings

2.3.3 Turn Off

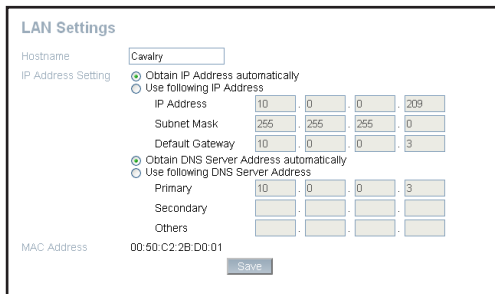
2.3.4 Information

2.3.5 Disk Usage

2.3.6 Error Notification

2.3.1 LAN Settings

- Select "Obtain IP Address automatically" and "Obtain DNS Server Address automatically" (These default settings are recommended and appropriate for most cases). If unsure, contact the network administrator.
- To alter the settings, simply change the host name and input a static IP or specific DNS server addresses. Contact the network administrator for specific network settings.
- Click "Save".



2.3.2 Time Settings

Adjust the NAS internal clock to the local time manually or automatically

- **Manually** change the date, time and time zone.
 - Click “Save”
- **Automatically** change the time through a Network Time Protocol Server (NTP Server).
 - Select your time zone then choose one of the default NTP Servers (requires internet access) or choose a user defined one.
 - Click “Update Time”

Time Settings

Date Month Day Year

Time Hour Minute

Time Zone

NTP Server Default
 User Define

2.3.3 Turn Off

Turns off or Resets the unit.

- Turning off the unit will allow the NAS to spin down the hard drives slowly and automatically power down. Do not physically unplug the power cable when during the shut down process.
- Clicking “Reset” will perform a warm reboot. Allow several minutes for this process. A relogin would be required.



CAUTION: Make sure no users are accessing the drive when turning off or resetting. Failure to do so may result in data loss.

2.3.4 Information

Displays the system information and the IP address of the NAS unit.

- Use the IP address when mapping / mounting the drive onto the computer. (See the Quick Start section)

System Information

Product Name	Cavalry NAS firmware.
Firmware Version	2.6.7-n
Product Vendor	ZB Technology Co., LTD.
IP Address	10.0.0.209

2.3.5 Disk Usage

Displays the amount of disk space used / remaining

- View by summary or by individual users.

Disk Usage

Last Checked: 10/30/2009 18:38:17

Please select statistics information: ▼

Disk Name	Capacity	Used	Free	Disk Usage (%)
/dev/md	1877034MB	492MB	1876541MB	0%

2.3.6 Error Notification

Send error / malfunction notification email.

- Check the boxes of the warnings you wish to receive.
- Enter the SMTP server address to set up an email service.
- Click “Send Test Email” to verify the email service works.
- Contact your email service provider for assistance.

Error Notification Setting

Monitoring Services Setting

Disk Usage

Windows File Sharing Server

FTP Server

DHCP Server

Check Interval

Interval

Email Notification Setting

Enable

Error Handling Mail Server

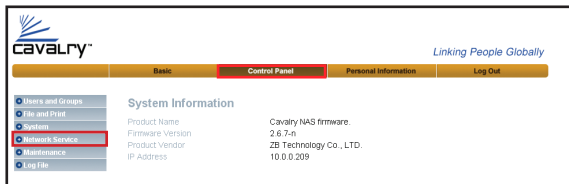
Error Handling Email Addresses

Pop-Up Notification Setting

Enable

Error Handling Pop-Up Machine Name

2.4 Network Service



2.4.1 DHCP Server

2.4.2 Bonjour

2.4.1 DHCP Server

- Check "Enable Server" to allow the NAS to act as a DHCP server. (Only on a LAN without an existing DHCP server)
- Optional settings (first red box) - mainly used if the NAS is not being used as a DHCP server. Set these settings to conform to customized LAN settings. Contact the Network Administrator for assistance.
- If the NAS is being used as a DHCP server, you can enter the range of IP addresses to be leased out in the fields: DHCP IP Address Start / End. It will automatically calculate a subnet mask.
- Click "Save" if complete.
- To see the current list of DHCP addresses leased. Click on "DHCP Lease List"
- To manually select a static IP address, click on "Static IP", then enter the IP information on the static IP settings page, then click "Save". Make sure that the chosen IP address fits in the LAN network based on the network ID and subnet mask.

DHCP Server Setting

Enable Server

DHCP Client Setting

Subnet Mask (optional)	<input type="text"/>
Default Gateway (optional)	<input type="text"/>
Primary DNS (optional)	<input type="text" value="10.0.0.3"/>
Secondary DNS (optional)	<input type="text"/>
Others DNS (optional)	<input type="text"/>
DHCP IP Address Start	<input type="text" value="10.0.0.2"/>
DHCP IP Address End	<input type="text" value="10.0.0.50"/>
Maximum Lease Time	<input type="text" value="1 day"/>

2.4.2 Bonjour

Enable Bonjour to connect network devices and applications and access shared music in iTunes

- Enable / Disable the Bonjour function by checking the box.
- Click on "iTunes enable" to allow iTunes to access shared music.
 - Access the NAS volume from your computer and create a folder called "music" under the "public" directory (e.g. /public/music)
 - Store your music in this folder.
 - Start iTunes and the NAS will appear as a shared drive.

2.5 Maintenance

The screenshot shows the Cavalry web interface. The top navigation bar includes "Basic", "Control Panel" (highlighted in red), "Personal Information", and "Log Out". The "Control Panel" sub-menu is open, showing "Users and Groups", "File and Print", "System", "Network Service", "Maintenance" (highlighted in red), and "Log File". The main content area displays "System Information" with details for Product Name (Cavalry NAS firmware), Firmware Version (2.6.7-n), Product Vendor (ZB Technology Co., LTD.), and IP Address (10.0.0.209).

2.5.1 Disk Utility

2.5.2 RAID Setting

2.5.3 Firmware Upgrade

2.5.4 Save Configuration

2.5.5 Restore Configuration

2.5.6 Factory Reset

2.5.7 Software Update

2.5.1 Disk Utility

View the status of and reformat the individual hard drives. (Only use this utility for JBOD configurations)

- To reformat, choose from the drop down menu of formats (must be non-RAID)
- Click "Scan" to run a test the status of each disk.
- Enter a "Disk Spin Down Time" to set the hard drives to spin down when the NAS has not been used for a certain period of time.

The screenshot shows the "Disk Utility" web interface. It features a table with columns for Device Name, Type, Mount Point, Status, Encrypt/Password/Format, Scandisk, Umount, and Health. Two disks are listed: /dev/sdb and /dev/sda, both in "raid used" status and "PASSED" health. Each row has buttons for "Format", "Scan", and "Umount". A "Refresh" button is located below the table. At the bottom, there is a "Disk spin down time" field with a "Minute" unit and a "Save" button.

Device Name	Type	Mount Point	Status	Encrypt/Password/Format	Scandisk	Umount	Health
/dev/sdb	none		raid used	<input type="checkbox"/> encrypt ext2 Format	Scan	Umount	PASSED Detail
/dev/sda	none		raid used	<input type="checkbox"/> encrypt ext2 Format	Scan	Umount	PASSED Detail

Refresh

Disk spin down time: Minute



CAUTION: Reformatting a drive will erase all data.

2.5.2 RAID Settings

View or change current RAID configurations

- RAID level and File system information is displayed
- The “RAID Size” shows the total usable capacity of the NAS (e.g. RAID 1 is mirrored so half of the total capacity is usable)
- To change the RAID configuration, click on “Remove raid system” then click “OK” to confirm.



CAUTION: Reconfiguring the drive will erase all data.


RAID Setting


Raid level: RAID 1
File system: EXT3
Raid Size: 1833 GB
Raid Used: 492 MB

Remove raid system

Disk Status

Raid system is normal operation.

 /dev/sda
Hitachi HDS72202
2000 GBytes

 /dev/sdb
Hitachi HDS72202
2000 GBytes

Exchange Disk

- Restart the NAS and log back into the GUI and return to “RAID Settings”.
- Select the desired RAID level and File system then click “Create raid system”
- Wait until the process is complete and do not power off the NAS.
- The system will automatically restart.
- Return to “RAID Settings” to view the completed array.



NOTE: If one of the drives fail in RAID 1, contact Cavalry for instructions to rebuild the array.



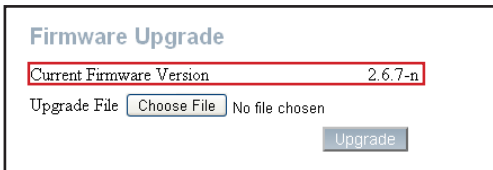
NOTE: Linear mode means Spanning or BIG mode.

2.5.3 Firmware Upgrade

Update the NAS firmware

- Check if the “Current Firmware Version” is the most recent by visiting the Cavalry website:

www.cavalrystorage.com >> Support >> Downloads



Firmware Upgrade

Current Firmware Version 2.6.7-n

Upgrade File No file chosen

- If there is a newer version, download it to your computer.
- Click on “Choose File” to browse for and select the update.
- Click “Upgrade”
- Wait until the process is complete and do not power off the NAS.
- The system will automatically restart.

2.5.4 Save Configuration

- Save the current configuration of the NAS onto the computer to create a backup.

2.5.5 Restore Configuration

- Restore a saved configuration from the backup created in 2.5.4.

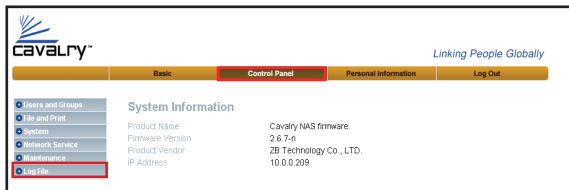
2.5.6 Factory Reset

- Reset all settings to the original default configuration.
- All users, groups, and other configurations will be lost.
- Save the configuration (2.5.4) to create a backup of old settings.

2.5.7 Software Update

- Install optional software.

2.6 Log File



The screenshot shows the Cavalry web interface. At the top left is the Cavalry logo with the tagline "Linking People Globally". Below the logo is a navigation bar with four tabs: "Basic", "Control Panel" (highlighted in red), "Personal Information", and "Log Out". On the left side, there is a sidebar menu with the following items: "Users and Groups", "File and Print", "System", "Network Service", "Maintenance", and "Log File" (highlighted in red). The main content area is titled "System Information" and displays the following details:

Product Name	Cavalry NAS firmware.
Firmware Version	2.6.7-n
Product Vendor	ZB Technology Co., LTD.
IP Address	10.0.0.209

2.6.1 Samba Log

2.6.2 FTP Log

2.6.3 DHCP Log

2.6.4 System Log

2.6.5 Administration Log

2.6.1 - 2.6.5 Logs

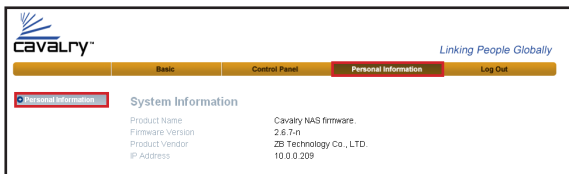
- View the respective logs for detailed activity information.
- Click on "Clean" to clear the logs.



Chapter 3

Personal Information

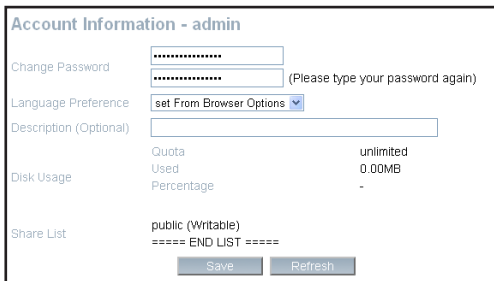
3.1 Personal Information



3.1.1 Account

3.1.1 Account

- Change password, language preferences, and account description.
- View Disk Usage Share membership.
- Click "Save".





Chapter 4

Help

FAQ and Troubleshooting

4.1

Q: Why can't I access the NAS setup page?

A: Please connect the NAS directly to your computer via the RJ45 port. Open a web browser and key in the default IP address 192.168.1.1 Then type "admin" for both Account Name and Password to enter the NAS setup page.

4.2

Q: Why can't I perform RAID functions under the FAT32 format?

A: FAT32 format doesn't support RAID functions, to perform RAID functions please use the ext2 or ext3 formats.

4.3

Q: I lost my password, what do I do?

A: Press the reset button and hold it for 5 seconds to reset the device to its default settings. The default login is "admin" for both Account Name and Password. Be aware that resetting the device will erase all user and group accounts plus other settings.

4.4

Q: Why can't I create/share folders in SMB or the FTP Server with a non-English language?

A: To avoid language support issues, you are suggested to create/share folders with English characters only.

4.5

Q: Why can't I upload files via a LAN connection? Why do I get disconnected?

A1: Please make sure the networking is connected properly and that you have the access rights (read & write) for the folders.

A2: Please make sure you have enough bandwidth for uploading large files. A complicated network environment such as too many workgroups or too many layers of network can result in network disconnection.

4.6

Q: How do I reset the NAS?

A: Press the reset button for 5 seconds and the NAS will reset to its factory default settings.

4.7

Q: Why can't Windows XP enter the SMB folder with a password via the NAS?

A: Please update Windows XP to SP2 or higher.

4.8

Q: What is the NAS default login name and password?

A: The default Login name: "admin", default password: "admin".

4.9

Q: How do I access the NAS via the Internet?

A: If your NAS is using a public IP, please perform the following steps: (1) Enter the NAS' web-based GUI and go to the FTP Server page to enable FTP Status. (2) Create User accounts and limits of authority. (3) Open a web browser or FTP software, and enter the NAS IP address in the address field (ftp://NAS IP).

4.10

Q: Why can't the FTP link to the NAS or show link time out when using IE?

A: Due to IE FTP incompatibility with the router, we suggest users use FTP software to start with. If you would like to use IE FTP to link the NAS, please refer to following steps. (1) Open Port 21 and 20 on the router and link to the NAS. (2) Open IE >> Tool >> Internet Options (3) Uncheck "Enable folder view for FTP site" and click "OK"

4.11

Q: What is the maximum number of users for the FTP/Samba/server?

A: (1) The FTP Server is able to create a maximum of 32 users accounts, with 8 users connected simultaneously, and a maximum of 16 folders shared by one account. (2) The Samba Server has a Share Level Access with a maximum of 16 folders shared by root.

4.12

Q: What else can DHCP do with the NAS?

A: You can setup the NAS as a DHCP server when there are no other DHCP Servers in your LAN, otherwise, the NAS will automatically turn off its DHCP server function and become a DHCP client of the existing DHCP Server. For example, if you have installed a router with a built-in (active) DHCP Server, the NAS will automatically setup itself as a DHCP client.

4.13

Q: Does the NAS support hard disk Power Management?

A: The NAS enters standby mode for power management (Sleep) if there is no any activity ranging between 5-60 minutes. You can go to the web-based GUI >> Disk Utility >> Set Sleep Time function (0 to disable function, enter between 5-60 minutes to enable this function.

4.14

Q: What is the protocol of network file sharing system using by the NAS?

A: The NAS has the built-in Samba Server for file sharing; it is using a SMB (Server Message Block) protocol to integrate TCP/IP, NETBUEI and IPX/SPX protocol. In other words, if the client PC can support TCP/IP, NETBUEI or IPX/SPX, it will also be compatible with the NAS. You can also use the built-in FTP Server for file sharing with the internet client.

4.15

Q: Why isn't my USB Printer detected by the NAS Printer server module?

A: The NAS Printer server does not support GDI/Host-based printers. For some Multi Function Printers (MFP); scanning functions might not function properly. Please contact the printer manufacture for detailed specifications.

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