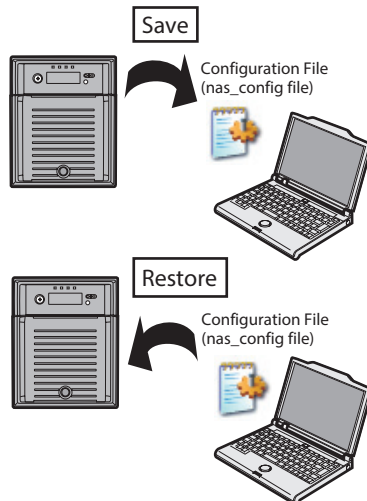
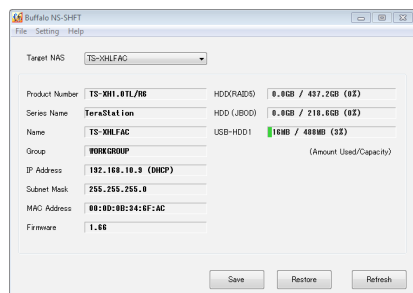


NS-SHFT Quick Start Guide

What is NS-SHFT?

NS-SHFT is software to save and restore the configuration of Buffalo NAS devices. Settings are saved to a configuration file (nas_config file) on a computer. You can use that configuration file to restore the TeraStation's settings, or to easily apply its settings to a different TeraStation. TeraStations must be from the same series to use each other's configuration files, though they may be different sizes.

You may specify specific items to restore during the restore process. You can also restore the configuration without deleting the data in the source TeraStation, or restore only the configuration after deleting the source data.



This document refers to Buffalo NAS devices as "TeraStations", but the NS-SHFT software works with some LinkStations as well.

You can use NS-SHFT to:

- Save time and effort when installing additional TeraStations by copying your original TeraStation's configuration.
- Configure multiple TeraStations with identical configurations.
- Restore a previously saved configuration if you accidentally changed the configuration.
- Save current configuration information of the TeraStation, and restore it to a backup TeraStation to use it as a replacement unit.

Compatibility

Compatible NAS Devices: TS-XL series, TS-XEL series, TS-WXL series, TS-RXL series, TS-HTGL series, TS-RHTGL series, and LS-GL series

Compatible OS: Windows 7 (32-bit and 64-bit), Windows Vista (32-bit and 64-bit), Windows XP, Windows 2000

Installation

To install from the TeraNavigator CD, select *Option - Additional Software Installation - NS-SHFT*. To install NS-SHFT from a downloaded file, double-click on the nascfgsr-ins.exe file and follow the instructions.

Notes:

NS-SHFT is a tool to save and restore the TeraStation's configuration only. It does not save or restore any data stored on your TeraStation. To save or restore data, use a data backup program such as the one built-in to the TeraStation.

Nas_config files should be used to transfer settings only to NAS devices from the same series as was used to create the nas_config file. Use of nas_config files made from a different model or series of NAS device may damage your target device or lose data.

If you change a TeraStation's RAID type when restoring, all existing data from the target TeraStation's share will be erased. Back up any data on the target TeraStation before using a nas_config to change to different RAID settings.

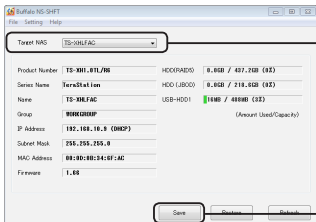
If you restore users or groups, the administrator's password for the TeraStation after restoration will be changed to the administrator's password of the source TeraStation. If you lose or forget the administrator's password from the source TeraStation, you will no longer be able to change the configuration of the target TeraStation. Keep records of your passwords in a safe place!

If you restore users and groups, all access restrictions configured for existing shared folders on the target TeraStation will be erased.

To use NS-SHFT, you must be able to access shared folders on the TeraStation that you are copying settings from. Select "Enable" for *Network Services - SMB or Local Users - guest* on the TeraStation Configuration screen if there is such an option on the TeraStation.

To Save a Configuration

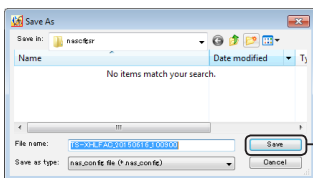
- 1 Click **Start - (All) Programs - BUFFALO - NS-SHFT** and launch NS-SHFT.

- 2  (1) Select the TeraStation you want to save the configuration from.
- (2) Click **Save**.

The following items are displayed on the home screen.

Name	Description
Product Number	TeraStation's model number.
Series Name	TeraStation's series name.
Name	TeraStation's name.
Group	TeraStation's workgroup name. Example: WORKGROUP
IP Address	TeraStation's IP address. "DHCP" is displayed if IP address is obtained from a DHCP server. E.g., 192.168.0.10 (DHCP)
Subnet Mask	TeraStation's subnet mask. E.g., 255.255.255.0
MAC Address	TeraStation's MAC address.
Firmware	TeraStation's firmware version. E.g., 1.22
HDD	Shows the used space/total space of the internal hard disks in the band chart and values. E.g., 0.0 GB / 231.8 GB (0%)
USB-HDD	Shows the used space/total space of the USB hard disks connected to TeraStation. This is displayed only when a USB hard disk is connected.
Save	Click this button to save the selected TeraStation's configuration.
Restore	Click this button to restore the selected TeraStation's configuration.
Refresh	Search for TeraStations on the network.

3



Click *Save* again to save a nas_config file.

By default, the saved file name will be of the form TeraStation's Name_Date_Time.nas_config.

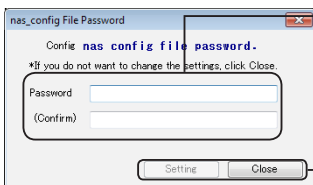
4



(1) Enter the TeraStation's admin password.

(2) Click *OK*.

5



(1) To password-protect the nas_config file, enter a password here. If no password is entered, then the file will not be password protected.

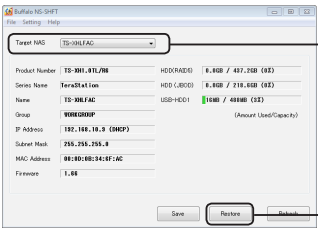
(2) Click *Setting*, or *Close* if you didn't enter a password.

The TeraStation's configuration has been saved.

Restore a Configuration

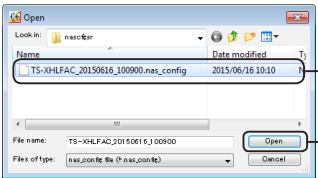
1 Click **Start - (All) Programs - BUFFALO - NS-SHFT - NS-SHFT**, and launch NS-SHFT.

2 (1) Select the TeraStation you want to restore the configuration to.



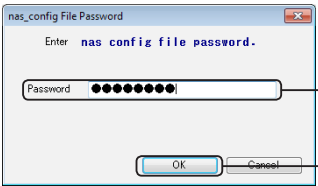
(2) Click **Restore**.

3 (1) Select a previously saved nas_config file.



(2) Click **Open**.

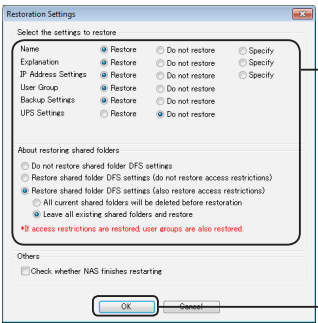
4 If no password was set for the nas_config file, then this screen will not be displayed. Go to step 5.



(1) Enter the password you set when saving the nas_config file.

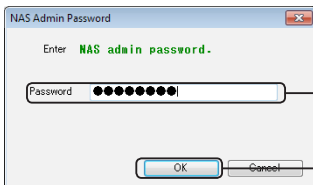
(2) Click **OK**.

5 (1) Configure each setting. Page 6 has more information about these settings.



(2) Click **OK**.

6



NAS Admin Password

Enter **NAS admin password.**

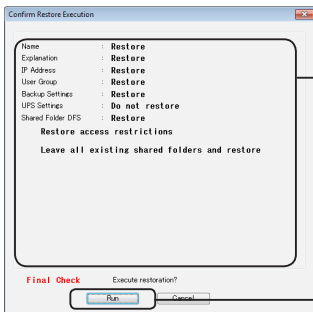
Password: [Masked]

OK Cancel

(1) Enter the TeraStation's admin password.

(2) Click OK.

7



Confirm Restore Execution

Name	: Restore
Explanation	: Restore
IP Address	: Restore
User Group	: Restore
Backup Settings	: Restore
UPS Settings	: Do not restore
Shared Folder DFS	: Restore

Restore access restrictions
Leave all existing shared folders and restore

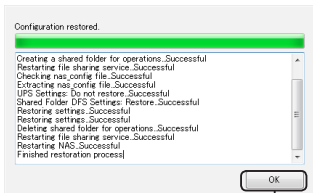
Final Check Execute restoration?

Run Cancel

(1) Check the settings.

(2) Click Run.

8



Configuration restored.

Creating a shared folder for operations...Successful
Restarting file sharing service...Successful
Checking nas.config file...Successful
Extracting nas.config file...Successful
UPS Settings: Do not restore...Successful
Shared Folder DFS Settings: Restore...Successful
Restoring settings...Successful
Restoring settings...Successful
Deleting shared folder for operations...Successful
Restarting file sharing service...Successful
Restarting NAS...Successful
Finished restoration process!

OK

When restoration is complete, click OK.

The TeraStation's configuration has been restored.

Restoration Details

This screen shows what settings will be restored. You can display it by clicking *Setting - Restoration Settings* from the opening NS-SHFT window.

Restoration Settings

Select the settings to restore

Name

Restore

Do not restore

Specify

Explanation

Restore

Do not restore

Specify

IP Address Settings

Restore

Do not restore

Specify

User Group

Restore

Do not restore

Specify

Backup Settings

Restore

Do not restore

Specify

UPS Settings

Restore

Do not restore

Specify

About restoring shared folders

Do not restore shared folder DFS settings

Restore shared folder DFS settings (do not restore access restrictions)

Restore shared folder DFS settings (also restore access restrictions)

All current shared folders will be deleted before restoration

Leave all existing shared folders and restore

*If access restrictions are restored, user groups are also restored.

Others

Check whether NAS finishes restarting

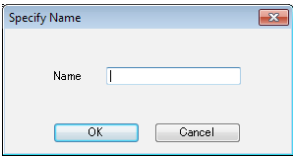
OK

Cancel

Name	Description
Select the settings to restore	Select which settings will be restored from the saved config file. Put a dot next to each setting that you want to restore. To specify a different name, description, or IP address for the target TeraStation, click on the appropriate "Specify" link at the right.
About restoring shared folders	Choose how DFS settings are transferred to shared folders on the target TeraStation.
Others	Select whether or not for the program to reboot the TeraStation after the restoration of settings. Until the TeraStation has been rebooted, you will not be able to use it normally, but you can save or restore other TeraStation's configurations. By default, the TeraStation will not be rebooted.

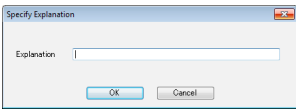
Specify a Name, Description, or IP Address

To display this window, click *Specify* to the right of “Name” from the screen on page 4.

A dialog box titled "Specify Name" with a close button in the top right corner. It contains a text input field labeled "Name" and two buttons at the bottom: "OK" and "Cancel".

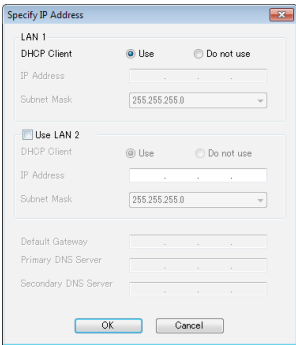
Enter a name and click *OK*.

To display this window, click *Specify* to the right of “Explanation” from the screen on page 4.

A dialog box titled "Specify Explanation" with a close button in the top right corner. It contains a text input field labeled "Explanation" and two buttons at the bottom: "OK" and "Cancel".

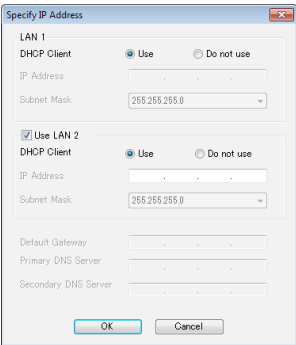
Enter a description and click *OK*.

To display this window, click *Specify* to the right of “IP Address” from the screen on page 4.

A dialog box titled "Specify IP Address" with a close button in the top right corner. It has two sections: "LAN 1" and "Use LAN 2". The "LAN 1" section is active, showing "DHCP Client" with "Use" selected, and "IP Address" and "Subnet Mask" fields set to "255.255.255.0". The "Use LAN 2" section is inactive. Below these are fields for "Default Gateway", "Primary DNS Server", and "Secondary DNS Server". At the bottom are "OK" and "Cancel" buttons.

If you use DHCP, your IP address will be set automatically.

If you don’t use DHCP, then you will need to set your IP address information manually. Enter your IP address, subnet mask, default gateway, and DNS server addresses and click *OK*.

A dialog box titled "Specify IP Address" with a close button in the top right corner. It has two sections: "LAN 1" and "Use LAN 2". The "Use LAN 2" section is active, showing "DHCP Client" with "Use" selected, and "IP Address" and "Subnet Mask" fields set to "255.255.255.0". The "LAN 1" section is inactive. Below these are fields for "Default Gateway", "Primary DNS Server", and "Secondary DNS Server". At the bottom are "OK" and "Cancel" buttons.

If using the TeraStation with 2 LAN ports, check “Use LAN 2” and enter the information as appropriate.