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SPD8010CC

SPD8015CC

SPD8020CC

SPD8025CC

SPD8030CC

EN Philips NAS

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Your Philips NAS

To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome

What's in the box



A. NAS



B. Vertical stand



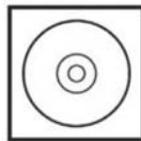
C. Power adapter



D. Power cable



E. Network cable

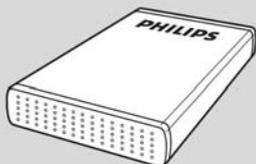


F. Software CD
(Including manual)



G. Quick Start Guide

Optional Components (not included)



Philips USB Storage Drive

Before you start

The machine does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.

Setup precautions

Finding a suitable location

- Place the set on a flat, hard and stable surface. Do not place the set on a carpet.
- Do not position the set on top of other equipment that might heat it up (e.g., receiver or amplifier).
- Do not put anything under the set (e.g., CDs, magazines).
- Install this unit near the AC outlet and where the AC power plug can be reached easily.

Space for ventilation

- Place the apparatus in a location with adequate ventilation to prevent internal heat build up. Allow at least 10 cm (4") clearance from the rear and the top of the set and 5 cm (2") from the left and right to prevent overheating.

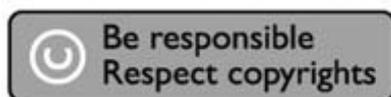
Avoid high temperatures, moisture, water and dust

- Apparatus must not be exposed to dripping or splashing.
- Do not place any sources of danger on the apparatus (e.g., liquid filled objects, lighted candles).

How to find warranty information?

Browse to the Philips warranty folder on the hard disk or look on www.philips.com/support. You need Adobe Reader software to open these files. If you don't have Adobe Reader, you can download it for free on www.adobe.com.

The Philips warranty may not apply if damage is caused by accidents, shock, misuse or neglect.



"The making of unauthorized copies of copy-protected material including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes."

WEEE mark: "Information to the Consumer".



Disposal of your old product

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. Please inform yourself about the local separate collection system for electrical and electronic products, including those marked by the crossed-out wheel bin symbol. Please act according to your local rules and do not dispose of your old products with your normal household waste.

WARNING

Plastic bags can be dangerous

To avoid danger of suffocation, keep this bag away from babies and small children.

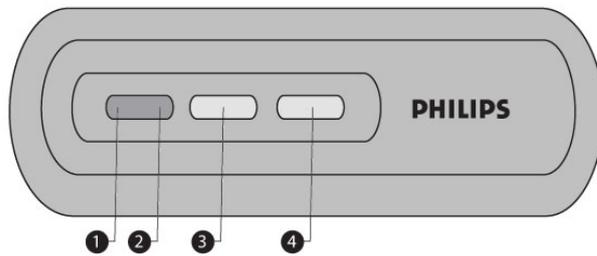
Although this product has been designed with utmost care for long-lasting performance.

Philips does advise you to handle electronics with good care: Avoid contact with water, exposure to extreme forces.

Please make sure you place the device in a well-ventilated environment, to ensure longest possible lifetime and optimal performance.

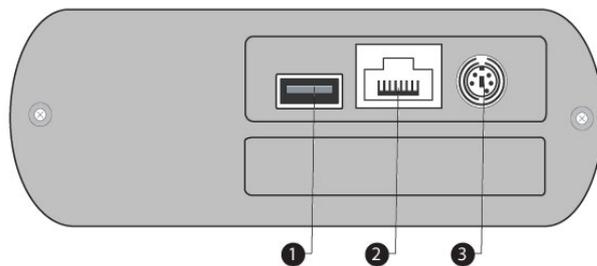
Philips does not provide any data recovery services and cannot under any circumstance be held responsible for loss of data. It is the customer's responsibility to back-up all data stored on the Philips disk. All data will be deleted when offering the product to Philips for service.

Overview



1. **Status LED**
Status indicator
2. **Activity LED**
Activity indicator
3. **On/low power button**
Switches the Power of the NAS on/low power
4. **Reset button**
Resets the NAS

LED behavior:	LED 1 (Status)	LED 2 (Activity)
Drive off	Off	Off
NAS is powering up	Blinking	Blinking
Drive on	On	Off
NAS activity	On	Blinking



1. **USB Port**
Host 2.0 USB Port
2. **Ethernet Port**
RJ-45 socket for Ethernet network cable (10/100/1000 Mb/s)
3. **DC in 5V/12V**
Power supply socket

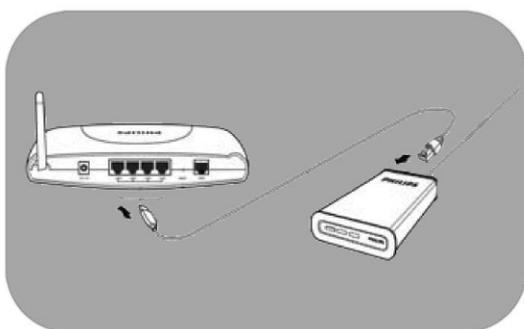
Connect

How to connect your Philips NAS to your network router

Need help?

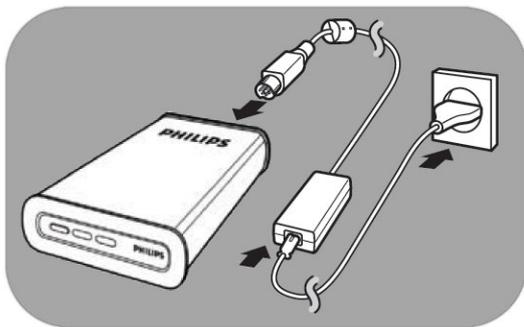
Refer to the documentation that came with your router for information about:

- The devices that you can connect to your router.
- The type of cables that you can connect to your router.

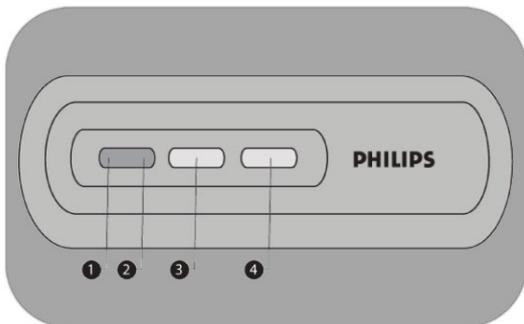


Connect to your network

1. Connect the network cable to your NAS and to your router
Use the router ports which are mostly labeled 1 2 3 4.



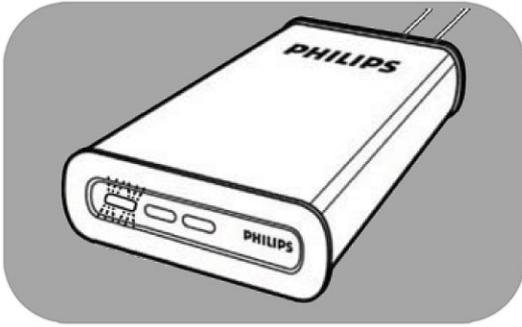
2. Take the power adapter and plug the connector of the power cable into the POWER port of the device.
3. Plug the power cable into the adapter and the power outlet.
4. The NAS will automatically power up.
If the blue LED is not on, press the power button to switch the NAS on.



LED behavior and buttons

1. Status LED:
On: drive is on
Blinking: please wait as the device needs some time to start.
Off: drive is off
2. Activity LED
3. On/Low power button
4. Reset button

See also 'Overview



5. Wait until the status LED stops blinking. (Approximately 1 minute).

Install

How to install your Philips NAS on your Windows PC

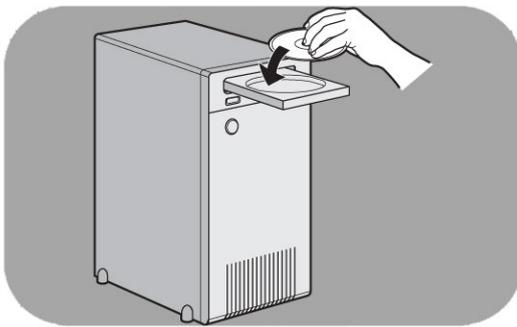
CAUTION

- Never unplug the power cable or data cable when the NAS is still running. This might lead to data loss.
- Always use the power button on the front of your NAS to switch it on/off.

Need help?

Refer to the documentation that came with your operating system for information about:

- How to install programs on your PC



Software Installation

1. Insert the NAS installation CD.
2. The Philips installation wizard will automatically start

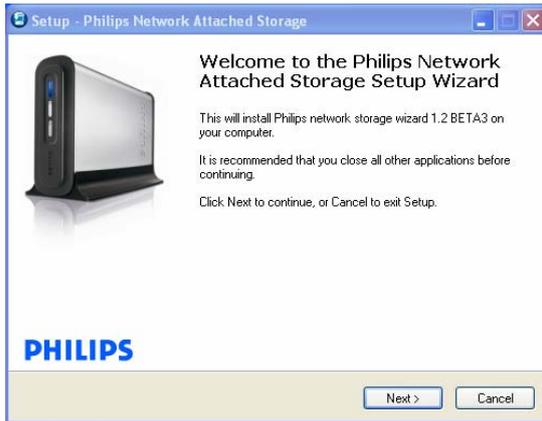
Please run 'philips.html' on the NAS installation CD, if installation does not automatically start.



3. Select a language

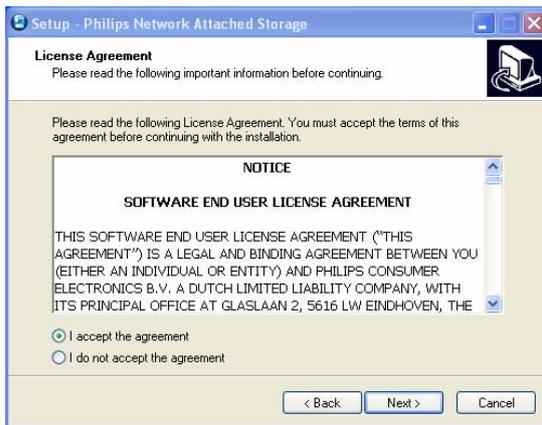


4. Select 'Install NAS'



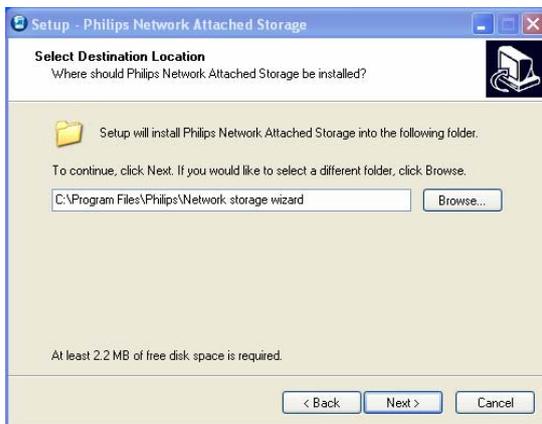
You may see some security warnings. Choose Yes/Run/Allow to continue.

5. Select 'Next' to continue



6. Accept the Software end user license agreement

7. Select 'Next' to continue



8. Select a destination where the software should be installed

9. Select 'Next' to continue



10. Select a Start menu folder

11. Select 'Next' to continue



12. Select 'Create a desktop icon'
13. Select 'Next' to continue



14. Select 'Install' to continue



15. Click 'Finish' to end the installation of the wizard and start the network Storage wizard



Windows Vista will generate an additional warning. Click 'Continue' to start the network Storage Wizard



Network storage wizard

- The application 'Philips network storage wizard' will automatically start

For Windows Vista you need to double click the proposed link

Make sure your NAS is connected and has completely finished its startup procedure (the status LED is continuously on)

Change the language if necessary

- Click 'Next' to continue



- Your NAS will automatically be detected

If your NAS is not automatically detected, check your connection and make sure your NAS is powered up and press the 'Refresh' button

- Assign a drive letter to your NAS (drive mapping)

Default assignment is last available drive letter

- Click 'Next' to continue



- Select the first and second option to create a desktop icon to manage and explore your NAS

- Click 'Close' to finish installation

Install the wizard and follow above steps on all PC's on your network, which need to access the NAS

How to install your NAS on your Apple Mac

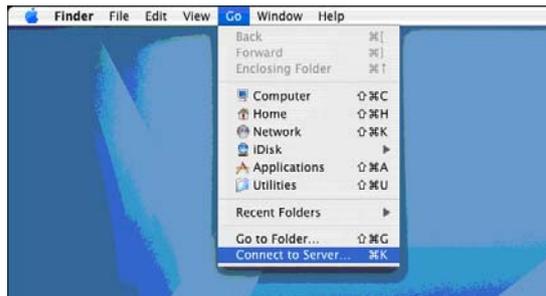
CAUTION

- Never unplug the power cable or data cable when the NAS is still running. This might lead to data loss.
- Always use the power button on the front of your NAS

Need help?

Refer to the documentation that came with your Apple Mac information about:

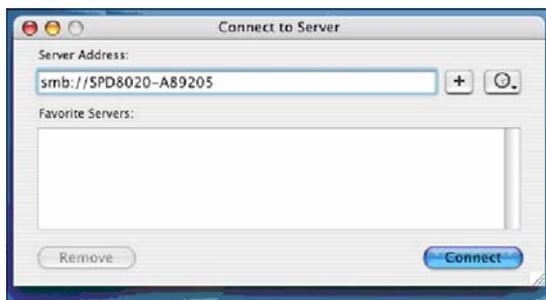
- How to install external devices your Apple Mac



1. Click 'Go' at top of the screen.
2. Choose 'Connect to Server'.



3. Check the label on the back of the NAS for 'NETBIOS'



4. Enter 'smb://' followed by the 'NETBIOS' name you found in the previous step in the server address field.
(example : smb://SPD8020-A89205)
5. Click 'Connect' to continue
6. Your NAS will automatically be detected

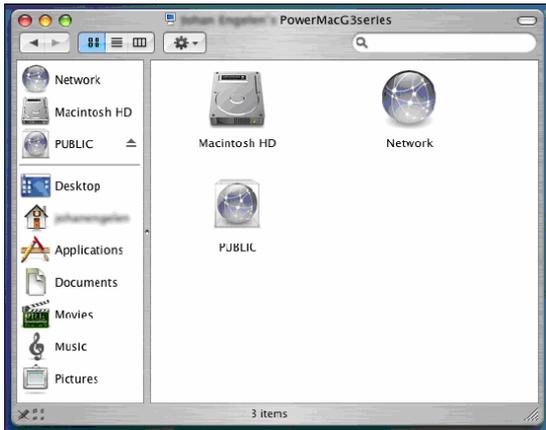


7. Select 'public' in the drop down menu
8. Click 'OK' to continue

Install your NAS on all computers on your network that may access the NAS.



9. You may have to enter your network password.



10. You can now access your network hard disk, which is shown as 'Public'.

Configure

- It is recommended that you configure your NAS on first use.

How to access the administration console (PC)



1. Use the 'Manage' button in the Philips network storage wizard to open the NAS administration console

Or use the 'Manage' shortcut on your desktop

If no shortcut was created during installation, run the installation wizard as mentioned in the chapter 'How to install your NAS', and make sure that you select the first and second option to create a desktop icon to manage and explore your NAS after mapping it.

2. A popup will appear, where you need to fill in your administration console user name and password

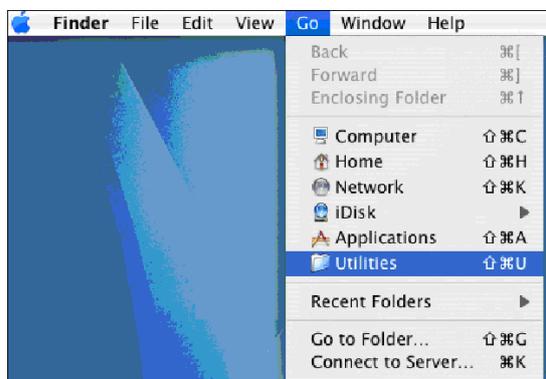
Factory setting user name: admin

Factory setting password: admin

See 'How to reset your NAS' if you have lost your password

How to access the administration console (Apple Mac)

- This will only work if you first completed 'How to install your Philips NAS on your Apple Mac'



1. Click 'Go' and choose 'Utilities'.



2. Click on 'Terminal'.



3. Enter this text:
4. arp -a



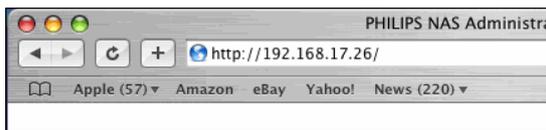
5. Check label on the back of the network hard disk for 'MAC'

6. Find the line where the MAC address matches with the one found in step 5
(':' are added, leading zeros left out).

The
00903EA89205
from step 5 is shown here as
0:90:3E:A8:92:5



7. Remember the IP address mentioned before the MAC address



8. Start your internet browser and enter the IP address from step 9



9. Enter the password for the web interface of your network hard disk

Factory setting name: admin
Factory setting password: admin



10. The administration console of your NAS opens, allowing you to configure your network hard disk

How to configure your NAS



System management – Information

Here you can find general information on your NAS after you logged in, such as:

System Information:

System Name

IP Address

Subnet Mask

Workgroup

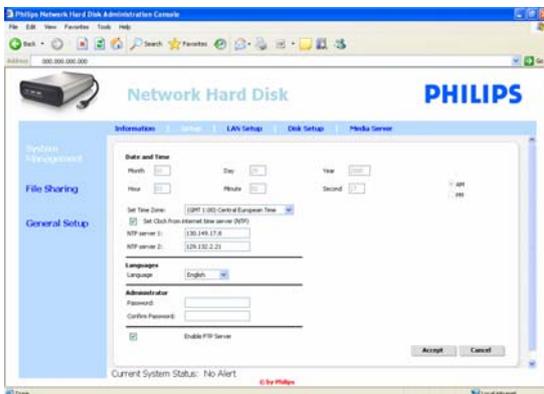
Firmware Version

Date

Uptime

Total Storage

Available Storage



System management – Setup

Here you can configure general settings

Date and Time

You can either enter the date and time manually or enable an internet time server.

To enter the date and time manually:

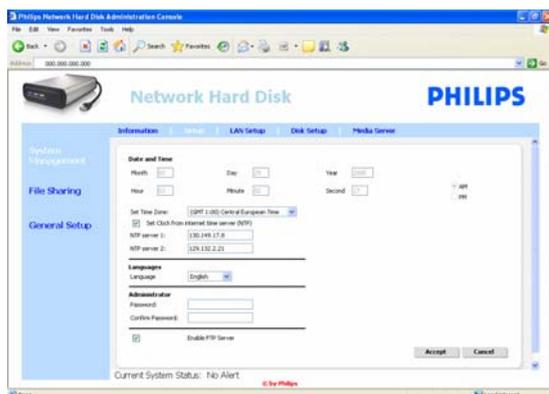
1. Disable 'set Clock from internet time server (NTP)'
2. Fill in the correct date and time
3. Select accept to confirm your changes

To use the internet time server :

1. Enable 'set Clock from internet time server (NTP)'
2. Fill in one of the below mentioned time server addresses in the NTP server field (corresponding with your region)
3. Select accept to confirm your changes

Make sure you are connected to the internet, when you use the internet time server

Region	NTP Server
North America	123.163.4.102
	192.5.41.41
	192.5.41.209
	207.200.81.113
	208.184.49.9
Europe:	129.132.2.21
	130.149.17.8
Australia:	128.250.36.3
Asia Pacific	137.189.8.174



Languages

To change the default language:

1. Select your language in the drop down menu
2. Select 'accept' to confirm your changes.

Administrator

To change the default administrator password:

1. Fill in a new password in the password field
2. Retype the same password in the confirm password field
3. Select accept to confirm your changes.

See 'How to reset your NAS' when you have lost this password.

Enable FTP Server

To enable the FTP function:

1. Select 'Enable FTP Server'

See 'Enjoy your FTP server' for more information.



System management – LAN Setup

To change the default network settings of your NAS:

System Name

1. Fill in a new system name (hostname) in the System name field

If you change the system name of your NAS, you need to run the Philips network storage wizard again to detect your NAS and map it.

Assign IP settings

1. Select 'Automatically assign IP settings (DHCP)' or 'Manually assign IP settings'
2. When set on 'manually', you can configure the fields:

IP Address

Subnet Mask

Default Gateway

DNS Server

Workgroup

1. Fill in a new Workgroup in the Workgroup field

Enable WM5

1. Select enable or disable to activate/deactivate the Windows Mobile 5 function

This enables connections to PDA's (that have Windows Mobile 5 running and are connected via WiFi to your home network). It is therefore recommended to have it standard on.

DDNS

1. Select enable or disable to activate/deactivate the DDNS function

2. When enabled configure the fields

DDNS Service

DDNS Username

DDNS Password

DDNS Host name

DDNS Period

For more information see 'Enjoy your FTP server'

System management – Disk Setup

Here you can find disk information, such as:

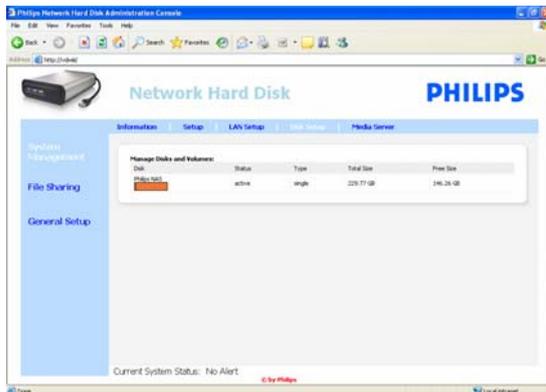
Volume name

Status

Type

Total Size

Free Size

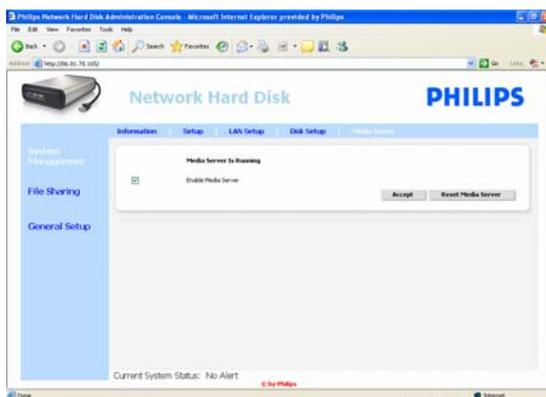


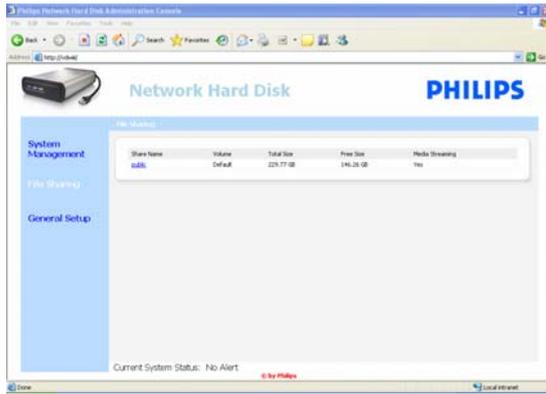
System management – Media Server (UPnP)

To enable the media server function:

1. Select 'Enable Media Server'

For more information see 'Enjoy your UPnP server'





File sharing

To configure your file sharing options:

1. Click on 'public'



2. Choose a comment

*Only letters or numbers are allowed
Default is : Defaultshare*

3. Choose whether you want to password protect your shared folder
4. Enter a password in the password fields to protect your shared folder

When you have lost this password you can enter a new password here

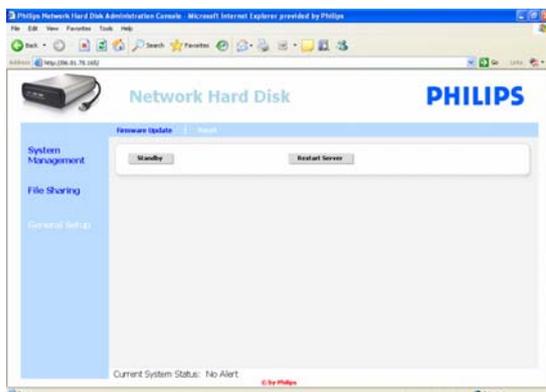
This option does not change the password that is needed to access the administration console

5. Select accept to confirm your changes

For more information see 'Enjoy your FTP server'

General Setup – Firmware Update

To update your firmware see 'Firmware update'



General Setup – Reset

Standby

1. Select 'Standby' to put your NAS in low power mode

To switch on the NAS use the power/low power button

2. When the Current System Status (at the bottom of the screen) says 'The system is in Low power mode' close the administration console

Restart Server

As this option only partially resets your NAS, it is recommended that you do not use this option

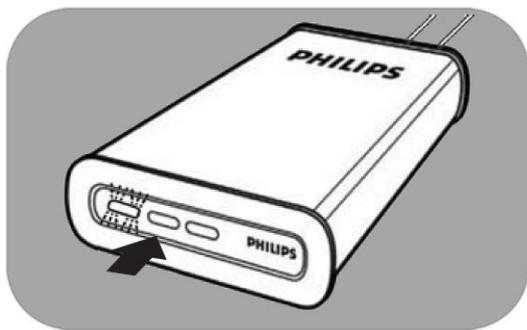
Please refer to 'How to reset your NAS' for more information on how to reset the server

Enjoy your Philips NAS

Need help?

Refer to the documentation that came with your operating system for information about:

- How to install programs on your PC



Explore NAS

1. Make sure your NAS is connected to your router
2. Make sure your NAS has completely finished its startup procedure (the status LED is continuously on)
3. If the NAS is not powered, press the power button to switch it on.

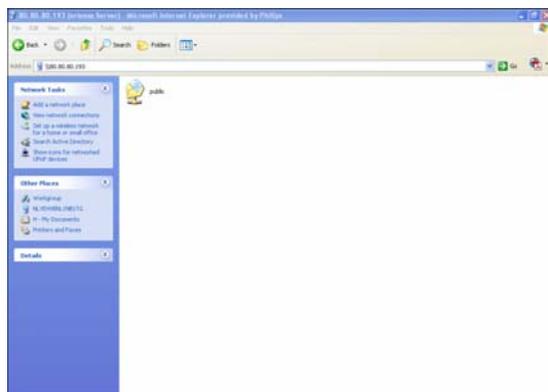
Starting takes around 1 minute.

Explore the content of your NAS

1. Use the 'Explore' button in the Philips network storage wizard to explore the content of your NAS

Or use the 'Explore' shortcut on your desktop

If no shortcut was created during installation, run the installation wizard as mentioned in the chapter 'How to install your NAS', and make sure that you select the first and second option to create a desktop icon to manage and explore your NAS after mapping it.



2. Fill in your 'File sharing' password and login when 'Protect Shared Folder' has been enabled

See subchapter 'File sharing' on how to set / reset your password

3. Explore the content of your NAS



Explore the content of your NAS installation CD

1. Insert the NAS installation CD
2. The application 'Philips network storage wizard' will automatically start
Please run philips.html on the NAS installation CD, if installation does not automatically start.
3. After language select, a menu will appear where you can find: the NAS installation software, Philips Intelligent Agent software, this manual, warranty information and information on where to find online help
4. Make your selection

Explore your NAS through the Internet

Enjoy your FTP server

What is FTP

Your NAS has FTP capabilities. FTP (File Transfer Protocol) is used to transfer data from one computer to another over the Internet, or through a network. In this chapter you will find more information on how to configure your NAS for FTP

Need help?

Refer to the documentation that came with your router for information about:

- How to enable remote user access
- How to configure automatic redirection of your public IP address to an internal IP address
- How to enable port forwarding

Enable your NAS

The NAS configuration should not be done remotely

1. Make sure your NAS and router are connected and switched on
2. Use the 'Manage' button in the Philips network storage wizard to open the NAS administration console

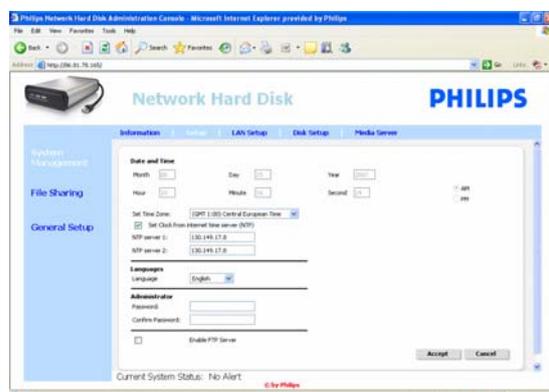
Or use the 'Manage' shortcut on your desktop

If no shortcut was created during installation, run the installation wizard as mentioned in the chapter 'How to install your NAS', and make sure that you select the first and second option to create a desktop icon to manage and explore your NAS after mapping it.

3. Fill in administrator User name (factory setting: admin)
4. Fill in administrator Password (factory setting: admin)

See 'How to reset your NAS' if you have lost your password

5. Select 'System Management'
6. Select 'Setup'
7. Select 'Enable FTP Server'
8. Select 'Accept'

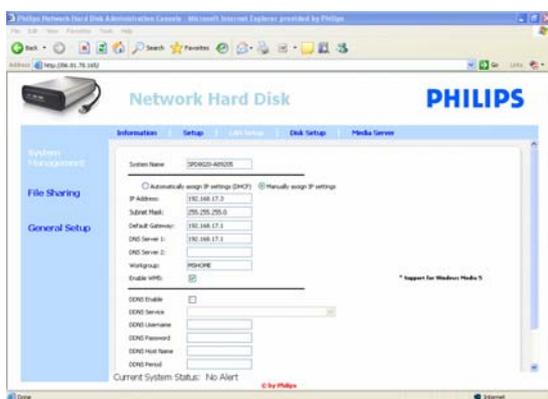




9. Select 'File sharing'
10. Click on 'Public'
11. Click 'Accept'
12. Enter a password in the password fields to protect your shared folder

When you have lost this password you can enter a new password here

This option does not change the password that is needed to access the administration console



13. Click 'Accept'
14. Go to 'System Management'
15. Go to 'LAN setup'
16. Select 'Manually assign IP settings'

You need this IP address for configuring your router in a later step

By switching to 'Manually assign IP settings' you prevent problems with your network

17. Click 'Accept'

What is DDNS

To explore your NAS through the internet you need to know your public IP address. This address is dynamic and can change from time to time. By enlisting for a DDNS service provided by a third party, you alias a dynamic IP address to a static hostname, allowing your NAS to be more easily accessed from the Internet



18. Enable 'DDNS Enable'
19. Select a DDNS service provider in the drop down box
20. Click on 'Go To Provider Site'
21. Register yourself for DDNS services at the service provider's website (for example the free service DynDNS)

DDNS Username, Password and Hostname are provided during the registration process

22. Complete the fields, with the DDNS service information provided during above mentioned registration process:

DDNS Username
DDNS Password
DDNS Host Name

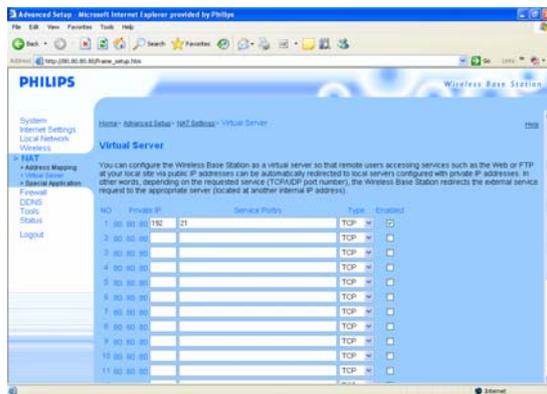
23. Fill in the DDNS Period

Recommended value to use for the update period is at least 600 (=600 s) to prevent a free DDNS service account from expiring due to inactivity (e.g. after 30 days)

24. If the DDNS service is working properly, the DDNS status field will provide confirmation (date, time and IP address)

What is port forwarding

Port forwarding is an option which can be enabled in your router. It forwards remote users from a public IP address/hostname to the NAS



Example

Enable your router

1. Configure your router to open TCP port 21, connecting that port to the IP address of the NAS

In general this is done in the NAT table / virtual server in your router. See your router manual for details

IP address of the NAS is the IP Address mentioned in the administration console in the tab 'System Management - LAN setup'

Default port for FTP is TCP 21, other ports are possible but you need to configure your router and FTP settings accordingly

Explore your NAS through the Internet

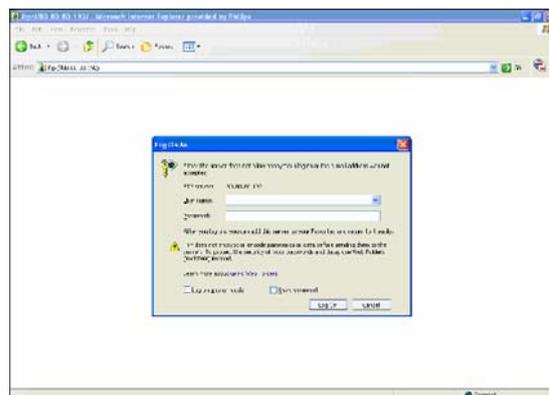
Enjoy your FTP server

1. Open your web browser
2. In the address bar, type 'FTP://' followed by your DDNS Hostname

Example: 'FTP://nas.dyndns.org'

You have obtained your DDNS hostname during DDNS service registration as described above

3. Fill in 'File share' User name (factory setting: public)
4. Fill in 'File share' Password (factory setting: public)
5. Unselect 'Log on anonymously'
6. Select 'Save Password'
7. Select 'OK'



■ When you share your FTP information such as: IP address, DDNS hostname, login and/or password with third parties, these parties could be able to read, change and delete data stored on your NAS

Stream your multimedia content over your network

Enjoy your UPnP server

What is UPnP

Your NAS has UPnP capabilities. This means it can stream video, music and photos to a UPnP compatible network media player. When you enable the media server in your NAS, it will be automatically detected by your UPnP compatible network media player(s).

Need help?

Refer to the documentation that came with your UPnP enabled device for information about:

- How to enable UPnP enabled devices to access your NAS



Enable your NAS

1. Use the 'Manage' button in the Philips network storage wizard to open the NAS administration console

Or use the 'Manage' shortcut on your desktop

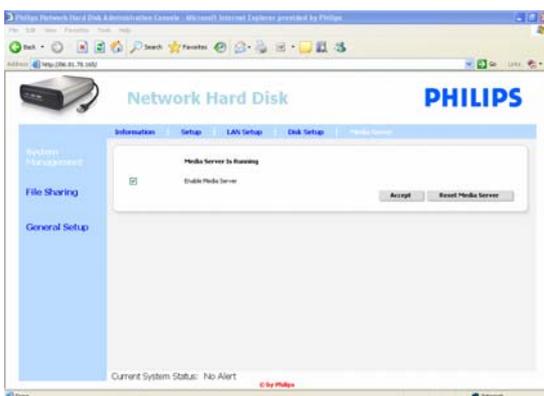
If no shortcut was created during installation, run the installation wizard as mentioned in the chapter 'How to install your NAS', and make sure that you select the first and second option to create a desktop icon to manage and explore your NAS after mapping it.

2. Fill in administrator User name (factory setting: admin)
3. Fill in administrator Password (factory setting: admin)

See 'How to reset your NAS' if you have lost your password

4. Select 'System Management'
5. Select 'Media Server'
6. Select 'Enable Media Server'
7. Select 'Accept'

You might need to configure your UPnP compatible media player(s), to enable it/them to access your NAS



Need help?

Refer to the documentation that came with your router / UPnP enabled device for information about:

- How to configure your UPnP enabled device(s)
- How to access with your UPnP enabled device a UPnP server

Stream your multimedia content over your network

Enjoy your UPnP server

1. Make sure your NAS is connected, switched on and properly configured for UPnP
2. Make sure your router is connected, switched on and properly configured
3. Make sure your UPnP enabled device is connected, switched on and properly configured
4. Enjoy your media files via your UPnP enabled device

Supported formats

Video	AVI
	MPG
	VOB
Audio	WMV
	MP3
	OGG
	WAV
	WMA
Picture	GIF
	JPG
	PNG
	TIFF

- Not all files in the above mentioned formats will play, as they might need new codecs, which are not supported

Examples of Philips UPnP enabled devices

231F9946/12	Streamium TV
42PF9830/69	Jaguar HeTV
SL400i	Wireless Multimedia Adapter
SLA5520	Wireless Music Adapter
SLM5500	Wireless Multimedia Adapter
WAC3500	Wireless Music Center
WAK3300	Wireless Music Station

Enjoy your USB host

- Only USB storage devices can be connected to the NAS USB port
- Depending on the file system (FAT32, NTFS) of the USB device, which is connected to your NAS USB port, you can read or write on it
 - FAT32 : Read and Write access
 - NTFS : Read-only access



1. Attach a USB hard disk to the USB 2.0 host port of your NAS

Printers, webcams or other USB devices are not supported

2. Wait 1 minute for the NAS to recognize the attached USB hard disk.
3. Start the Philips network storage wizard.

*Or choose:
'Start'
'(All) Programs'
'Philips'
'network storage wizard'*

4. Confirm the drive letter (or choose another one).The last available letter is proposed.
5. Choose 'Next'.
6. Enjoy

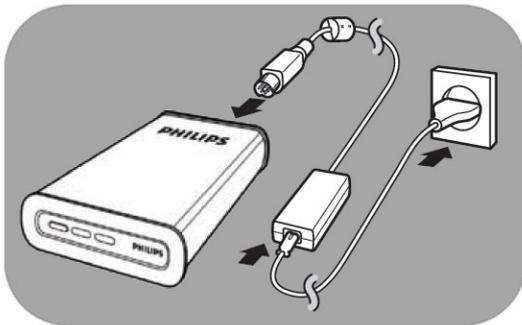
More of your NAS

Enjoy your NAS as external storage device

Need help?

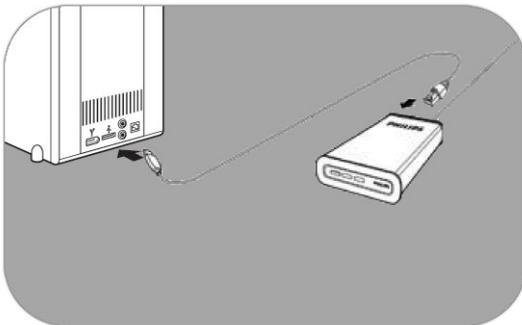
Refer to the documentation that came with your PC / Apple Mac for information about:

1. The devices that you can connect to your PC / Apple Mac .
2. The type of cables that you can connect to your PC / Apple Mac .



Connect directly to your PC or Apple Mac

1. Connect the supplied adapter to the NAS and the power outlet
2. Connect the network cable to your NAS and to your PC / Apple Mac
3. See chapter 'Install' for instructions on how to install your NAS on PC / Apple Mac
4. Enjoy your NAS as external storage device

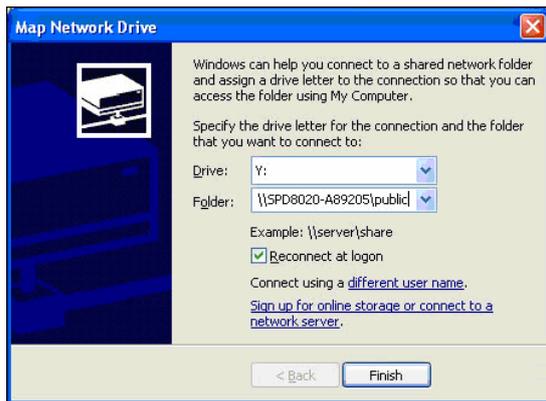


How to enjoy your NAS (without a wizard)

1. Go to Windows Explorer
2. Select 'Tools'
3. Select 'Map network drive'
4. Check the label on the back of the NAS for 'NETBIOS'



The 'NETBIOS' name is unique for each network device.



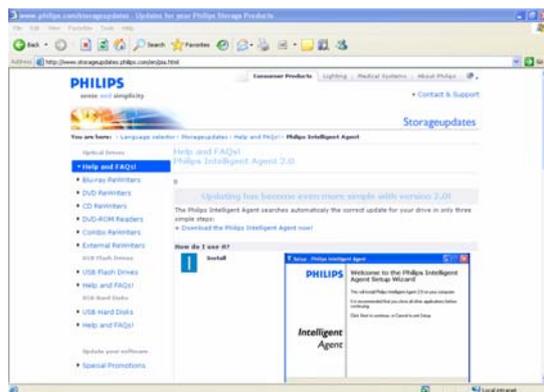
5. Enter '\\ followed by the 'NETBIOS' name you found in the previous step in the folder field.
(example : \\spd8020-A89205)
6. Select 'Reconnect at logon' to reuse this mapping after restarting your computer
7. Click 'Finish'

Maintenance

Firmware update

CAUTION

1. Never turn off your NAS during the firmware update procedure. This may damage your device. If for any reason (E.g. Power supply failure during firmware update) the procedure fails, you may not be able to operate your device.
2. Always use Philips firmware.



Option 1 – Automatic firmware download

The Philips Intelligent Agent searches automatically the correct update for your drive in only a few simple steps

1. Visit the Philips Intelligent Agent website at www.storageupdates.philips.com/en/pia.html
2. Read the instructions mentioned on the page, on how to install and run the Philips Intelligent Agent
3. Proceed at 'Firmware update' below

The Philips Intelligent Agent can also be found on your installation CD



Option 2 – Manual firmware download

1. Visit the Philips support website at www.philips.com/storageupdates
2. Go to the section of the NAS
3. Download the latest firmware (zipfile) to your PC
4. Proceed at 'Firmware update' below

Firmware update

1. Extract the firmware image file from the zipfile
2. Connect your NAS to your network
3. Switch on the NAS
4. Use the 'Manage' button in the Philips network storage wizard to open the NAS administration console

Or use the 'Manage' shortcut on your desktop

If no shortcut was created during installation, run the installation wizard as mentioned in the chapter 'How to install your NAS', and make sure that you select the first and second option

to create a desktop icon to manage and explore your NAS after mapping it.

5. Fill in User name (factory setting: admin)
6. Fill in Password (factory setting: admin)

See 'How to reset your NAS' if you have lost your password



7. Select 'General Setup'
8. Select 'browse' to search for the image file to be uploaded. (firmware.bin)
9. Select Update firmware
10. The NAS will upload the last firmware, and the upload process can be followed with the process bar at the bottom of the page:

11. After the NAS uploaded the image file, it will mention: 'File Uploaded', Rebooting'
12. To complete the firmware update close Windows explorer and wait until the NAS is rebooted.

Starting takes around 1 minute.

Shutting down takes around 10 seconds

Troubleshooting

Online help / Frequently Asked Questions

Refer to www.philips.com/support or www.philips.com/storageupdates for:

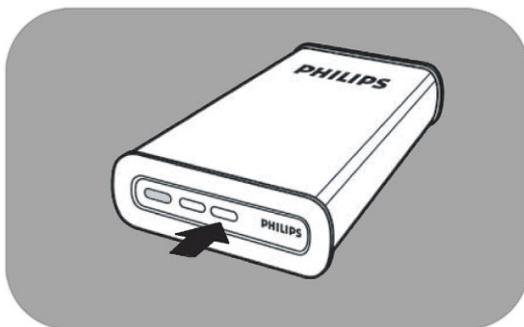
- Interactive help
- Frequently asked questions
- Firmware updates

How to reset your NAS

CAUTION

- Never unplug the power cable or data cable when the NAS is still running. This might lead to data loss.
- Always use the power button on the front of your NAS

- If the NAS behaves strangely, a reset might help



Option 1 – Soft reset

1. Press the reset button and keep it pressed for 5 seconds

This will reset the NAS but your settings will remain

Option 2 – Hard reset (reset factory settings)

1. Switch the NAS off
2. Unplug the power cable
3. Press the reset button and keep this pressed
4. Plug in the power cable and keep the reset button pressed for 5 seconds

*The NAS will start up again using factory settings
Starting takes around 1 minute
Shutting down takes around 10 seconds*

For warranty information and product support please visit
www.philips.com/welcome
www.philips.com/storageupdates

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All dimensions shown are approximate.
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