

INNOVATIVE GERMAN QUALITY

USER MANUAL



NETWORK DRIVE XS EXTERNAL NETWORK HARD DRIVE / 3.5" / GIGABIT LAN / USB 2.0

Dear user,

Thank you for selecting the **Freecom Network Drive XS**. The Freecom Network Drive XS offers easy-to use network storage possibilities. To ensure you get the best performance and ease of operation, please read this manual carefully before using the Freecom Network Drive XS.

Freecom Technologies GmbH • Germany www.freecom.com

Contents of the box

Please check the contents of the box to ensure it contains the following items:

- Freecom Network Drive XS
- Power adapter & power cord
- LAN connection cable
- USB connection cable
- Manual, safety manual and application software on CD
- Quick Install Guide

Need assistance? Have questions?

In case you have a question about the use of this product, need information about other Freecom products or need technical assistance, please contact the Freecom Service Center for your country. See <u>www.freecom.com</u> for details.

Freecom offers free unlimited helpdesk support.

Warning!

All rights reserved. The products named in this manual are only used for identification purposes and may be trademarks or registered trademarks of the respective companies. This device was designed for home or office use.

<u>Warning!</u> This device is equipment complying with EN55022 class A. This equipment can cause radio disturbances in a residential area. If this is the case, the user has to take appropriate measures and assume all responsibility and costs for. It may not be used near or with any life-sustaining systems.

Freecom cannot be made liable for any damages, loss of data or damage following thereof -whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or other pecuniary loss) arising out of the use of or inability to use this Freecom product, even if Freecom has been advised of the possibility of such damages.

We reserve the right to upgrade our products in keeping with technological advances.

User's Guide

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General Information

Your system needs to meet the following hardware and software requirements for the device to function properly.

System requirements

To use the Freecom Network Drive XS, you will require the following components:

PC:

- Intel Pentium III / AMD Duron 900 MHz or higher
- 256 MB RAM (Vista / 7: 512 MB RAM) or higher
- CD-ROM drive
- Free USB 2.0 or USB 1.1. port* or
- LAN (1000Base-T full duplex connection recommended)
- Internet connection for online warranty registration, software updates and downloads
- Operating system: Windows XP, Windows Vista, Windows 7

Mac:

- PowerPC G4/G5 or Intel Mac
- 256 MB RAM or higher
- CD-ROM drive
- Free USB 2.0 or USB 1.1. port* or
- LAN (1000Base-T full duplex connection recommended)
- · Internet connection for online warranty registration, software updates and downloads
- Operating system: Mac OS X v10.4 or higher

^{*} USB 2.0 is backwards compatible with USB 1.1.

Precautionary measures

To ensure that your Freecom Network Drive XS functions properly, please take note of the following precautions. If these are not followed, you may void your warranty and damage the Freecom Network Drive XS.

- Safely remove the Freecom Network Drive XS via your operating system (the "unplug or eject hardware" option in the Windows taskbar) before disconnecting the USB cable or power cable and before switching off the device. Failing to do so may result in data loss.
- Do not drop the Freecom Network Drive XS or expose it to other kinds of sudden mechanical shocks as this may result in data loss and damage to the Network Drive.
- Do not use the Freecom Network Drive XS when the ambient temperature is below 10°C or above 30°C.
- If the Freecom Network Drive XS is moved from a cool environment to a warmer environment, please allow the drive to acclimatize to the ambient temperature before operating the device. Failing to do so may lead to condensation within the drive enclosure, which in turn may cause the drive to malfunction.
- Do not place liquids or drinks on the Freecom Network Drive XS. When liquids are spilled and get in contact with the electronics within the drive enclosure, it will damage the drive and will cause the drive to malfunction.
- Do not use the Freecom Network Drive XS in a dusty environment. Dust inside the enclosure may damage the internal electronics and result in drive malfunction.
- Opening the Freecom Network Drive XS will void the warranty.
- Since USB 2.0 is backwards compatible with USB 1.1, the Freecom Network Drive XS
 can be connected to all USB ports. When connected to a USB 1.1 port, however, the
 performance (data transfer rate) of the Freecom Network Drive XS will be much lower
 than when the drive is connected to a USB 2.0 port.
- Only use the power adapter that was supplied with the Freecom Network Drive XS.

Freecom Network Drive XS Setup Overview



USB-mode

Chapter 1: Hardware Installation

WARNING! Only connect the Network Drive XS via the USB or LAN Port. Never use both ports at the same time!





2. Insert the power cord into the Freecom Network Drive XS and plug the power supply into the socket.

- 3. Plug the cable into the port (USB or LAN) on your computer.

Because USB 2.0 is backwards compatible with USB 1.1, you can connect the Freecom Network Drive XS to any USB port. Please note however that USB 2.0 ports support significantly higher data transfer speeds than USB 1.1.

Driver Installation: Your computer will not require a special Freecom driver if you are using Windows XP / Vista / 7 or MacOS X. The required driver is automatically installed by the operating system when the cable is plugged into your computer.

Chapter 2: Computer Configuration - LAN Mode

2.1 Check TCP/IP Settings in Windows XP

1. Open "Start" -> "Settings" -> "Control Panel".



2. Double-click on "Network Connections".

SNetwork Connections	2
Ele Edit Yew Favorites Tools Advanced Help	1
🕒 Back + 🐑 - 🏂 🔎 Search 🌮 Folders 🛄 -	
Agáress 🔍 Nebuark Connections	¥ → 60
Ceste a new connection Creste a new connection Connected, Frevalled Conne	
Las Alen 2 M	

3. Right-click on your "Local Area Connection" and select "Properties".

4. The following screen will appear. Select "Internet Protocol (TCP/IP)" and click on the "Properties" button.



5. In the "General" tab, select "Obtain an IP address automatically" and "Obtain DNS server address automatically".

ieneral	Alternate Configur	ation				
You car this cap the app	n get IP settings as ability. Otherwise, y ropriate IP settings	signed au rou need	tomatically to ask you	f your n r network	etwork s adminis	upports trator for
O	otain an IP address	automatic	ally			
OU	e the following IP a	address:				
IP ac	ldress:					
Subr	iet mask:					
<u>D</u> efa	ult gateway:					
() Ot	tain DNS server a	ddress au	tomatically			
OUs	e the following DN	S server a	addresses			
Prefe	arred DNS server:					
≜lten	nate DNS server.					
					Ad	zanced
				OH		Cancel

2.2 Check TCP/IP Settings in Windows Vista / 7

1. Open "Control Panel" -> "Network and Sharing Center".



2. Click on "Manage network connections".



3. Right-click on "Local Area Connection" and select "Properties".



4. In the "Networking" tab, select "Internet Protocol Version 4 (TCP/IPv4)" and click on "Properties".

	rking	Sharing						
Conn	ect usi	ng:						
ø	Realt	ek RTL81	39/8	10x Far	nily Fas	t Ethen	net NIC	
This	connec	tion uses	the fo	ollowing	items:		Config	jure
	Qc File ↓ Int ↓ Int ↓ Lint ↓ Lint ↓ Lint	S Packet and Print emet Prot emet Prot k-Layer T k-Layer T	Sche ter Sh ocol V opolo opolo	duler aring fo /ersion /ersion gy Disc gy Disc Unin	r Micro 6 (TCP 4 (TCP overy 1 overy 1 overy 1	soft Ne /IPv6) /IPv4) Mapper Respon	etworks I/O Drive ider P <u>r</u> oper	r ties
D-	scriptio ansmis	n sion Contr a network	ol Pro	tocol/lr	nternet provid	Protoci es com	ol. The de munication	fault 1

5. In the "General" tab, select "Obtain an IP address automatically" and "Obtain DNS server address automatically".



2.3 Check TCP/IP Settings in Mac OS X

1. Open "System Preferences" -> "Network".

00		Sy	stem Prefere	ences		
	Show All				Q	
Personal						
File New				3		
Appearance	Dashboard & Exposé	Desktop & Screen Saver	Dock	International	Security	Spotlight
Hardware						
6			9			
CDs & DVDs	Displays	Energy Saver	Keyboard & Mouse	Print & Fax	Sound	
Internet &	Network					
.Mac	Network	QuickTime	Sharing			
System						
11	A	()	0	2		
Accounts	Date & Time	Software Update	Speech	Startup Disk	Universal Access	

2. In the "TCP/IP" tab, select "Using DHCP" in the "Configure IPv4" settings.

				_	
	Locatio	n: Automatic		\$	
	Show	w: Ethernet (integrie	rt)	\$	
T	CP/IP	PPPoE AppleTalk	Proxies Etl	nernet	
Configure IP	v4: Usir	ng DHCP	:		
IP Addre	ss: 192.	168.1.206	(Renew DHCP Le	ease
Subnet Ma	sk: 255.	255.255.0 DH	CP Client ID:		_
Rout	er: 192.	168.1.1		(If required)	
DNS Serve	rs:			(C	ptiona
Search Domai	ns:			(C	ptiona
IPv6 Addre	ss: fe80:	0000:0000:0000:020	d:93ff:fe38:e59	98	
	Co	nfigure IPv6)			0

Chapter 3: Installation of the application software

3.1 Installation of the Freecom Network Storage Assistant Software (PC)

The Freecom Network Storage Assistant quickly detects and performs the basic setup of your Network Drive XS. When you start it, it displays all Freecom Network devices available in your network and helps you creating network folders.

- 1. Please insert the Manual & Application CD into your drive. It contains user manuals and software, including the Freecom Network Storage Assistant. Once the CD is inserted, a window should appear automatically on the screen. If this does not happen, please proceed as follows:
- 2. Open "My Computer".
- 3. Double-click the CD drive containing the CD. The CD window should now open.

II FREECOM



- 4. Click on "Software Installation" -> "FNS Assistant". The installation starts now. Follow the instructions on the screen, confirm with "Next" in order to continue with the installation. After installation has finished, press "Quit" to exit the menu screen.
- 5. Start the Freecom Network Storage Assistant by clicking on the "FNSA" icon on your desktop or via "Start" -> "program files".
- 6. Check the Freecom Network Storage Assistant whether your Network Drive XS was detected. This may take some time. If your Network Drive XS is not immediately detected, click "Search again for available Freecom Network Storage devices" to repeat the search.



7. For a detailed functional description on the Freecom Network Storage Assistant, please refer to chapter 5.

3.2 Installation of the Freecom Network Storage Assistant Software (Mac)

The Freecom Network Storage Assistant quickly detects and performs the basic setup of your Network Drive XS. When you start it, it displays all Freecom Network devices available in your network and helps you creating network folders.

- 1. Please insert the Manual & Application CD into your drive. It contains user manuals and software, including the Freecom Network Storage Assistant.
- 2. You will now see CD icon on your Mac desktop.
- 3. Double-click on the CD icon. Click "Start". The CD window should now open.



- 4. Click on "Software Installation" -> "FNS Assistant". The installation starts now. Follow the instructions on the screen, confirm with "Next" in order to continue with the installation. After installation has finished, press "Quit" to exit the menu screen.
- Start the Freecom Network Storage Assistant. This can be found in "Applications" -> "Utilities".
- 6. Check the Freecom Network Storage Assistant whether your Network Drive XS was detected. This may take some time. If your Network Drive XS is not immediately detected, click "Search again for available Freecom Network Storage devices" to repeat the search.
- 7. For a detailed functional description on the Freecom Network Storage Assistant, please refer to chapter 5.

Chapter 4: Accessing the Network Drive XS

4.1 Accessing data via SMB

Server Message Block (SMB) operates as a network protocol mainly used to provide shared access to files between nodes on a network.

Windows

Open Windows Explorer and enter either

\\NDXS* or

\\IP_ADDRESS in the address bar (IP_ADDRESS is the IP address of your Network Drive XS).



If you have changed the host name or the IP address, please use the new settings. Enter your username and password for accessing the Network Drive XS. If you are logging on as the administrator, you will have access to all folders on the Network Drive XS.

Linux

Open the file browser (Konqueror, for instance) and enter

smb:// NDXS * or

smb:// IP_ADDRESS in the address bar (IP_ADDRESS is the IP address of your Network Drive XS).

Enter your username and password for accessing the Network Drive XS. If you are logging on as the administrator, you will have access to all folders on the Network Drive XS.

Mac OS

Mac OS X Vers.10.4 and higher

Select 'Go To' -> 'Connect to Server...'from the menu bar. The Network Drive XS address is:

smb:// NDXS * or

smb:// IP_ADDRESS in the address bar (IP_ADDRESS is the IP address of your Network Drive XS).

000	Connect to Server	
Server Address:		
smb://NDXS		+ 0.
Favorite Servers:		
		L
(? Remove	Browse	Connect

EN _____ Click 'Connect'. Enter the workgroup, your username and password for accessing the Network Drive XS. If you are logging on as the administrator, you will have access to all folders on the Network Drive XS.

Note: You set the workgroup name of the Network Drive XS under Configuration - Update Device/ Workgroup names in the Network Drive XS Configuration menu.

SMB/CIFS File System Authentication			
Enter the workgroup or domain and your user name and password to access the server "NDXS "	秋秋	Enter your us the file serve	er name and password to access r "NDXS".
Workgroup or Domain			0.4
WORKGROUP		Connect as:	Guest
Name			
admin		Name:	admin
Password		Password:	
Remember this password in my keychain		Rememb	per this password in my keychain
Cancel OK	.		Cancel Connect
Mac OS X 10.4			Mac OS X 10.5

You now need to select a shared folder on the next screen. Press OK to continue. After pressing OK, the Network Drive XS is configured and an icon appears on your computer desktop.

	000	
Select the SMB/CIFS shared volume you want to connect to.	***	Select the volumes to mount: music PUBLIC
Cancel Authenticate OK		Cancel OK
Mac OS X 10.4		Mac OS X 10.5

To access all the Network Drive XS folders that your username has been assigned user privileges, simply double-click this icon.



Mac OS X 1	0.5
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4.2 Accessing data via FTP

Note: Not all browsers can upload data via FTP. Those that can include InternetExplorerandKonqueror.WerecommendusingFTPclientsoftware such as WS_FTP, SmartFTP or CuteFTP.

The File Transfer Protocol (FTP) is a standard network protocol used to exchange files over an Internet Protocol (TCP/IP) computer network. The FTP protocol is built on a client-server architecture.

4.2.1 Local access

Enable the FTP Server option. Use any FTP client software or open your browser and enter

ftp://USERNAME:USERPASSWORD@IP_ADDRESS *

or

Я

ftp://USERNAME:USERPASSWORD@NDXS *

(IP_ADDRESS is the IP address of your Network Drive XS)

4.2.2 FTP access via the Internet

Enable the FTP Server option in the Network Drive XS Configuration. Your router must be configured as follows:

1. Port forwarding

Forward port 21 to the IP address of your Network Drive XS.

^{*} If you have changed the hostname or the IP address of the Network Drive XS, please use the new settings here.

2. Dynamic DNS

Dynamic Domain Name System gives the ability to provide an official DNS name such as www.yourname.com to the dynamic IP address you have gotten from your ISP.

To do so, you first need to register with a DynDNS service. It updates the modified IP addresses and forwards this to the domain name. This enables you to be reached at one single domain name at any time even if your IP address changes.

If your router supports this option, we recommend using this feature, otherwise you always need to know the WAN IP of your router to access the Network Drive XS via FTP from the internet.

Use any FTP client software or open your browser and enter ftp://USERNAME:USERPASSWORD@YOUR_INTERNET_IP or ftp://USERNAME:USERPASSWORD@YOUR_DYNDNS_HOST. USERNAME = your username USERPASSWORD = your user password YOUR_INTERNET_IP = your WAN IP address YOUR_DYNDNS_HOST = your Dynamic DNS address

Chapter 5: Configuration of the Freecom Network Drive XS

For easier access we recommend using the PC configured as DHCP Client as described in the previous chapter.

As default, the DHCP Server of the Freecom Network Drive XS is switched on. This can be changed in the "Status" section of the web configuration.

5.1 The Freecom Network Storage Assistant (PC/Mac)

You can use the "Freecom Network Storage Assistant" to configure the Freecom Network Drive XS. This tool offers the following functions:

Freecom Network Store	age Assistant [1.65]	×
II FREECOM	LAN IP Address Server Name Name	
	You can do following tasks:	
	Exit	

Accessing your Network Drive XS web interface

When you click this menu item, the web interface for your Freecom Network Drive XS opens in your default browser.

Adding and removing shared folders

You can assign a drive letter to shared folders on your Freecom Network Drive XS. This allows you to access to the files more quickly.

t a share and ma) it to a drive letter.
hared Folders	CONTROL OF THE OWNER
PUBLIC	🗙 Don't map share

Repeat search for available Freecom Network Drive XS

Click here to repeat the search for your Freecom Network Drive XS if it was not detected during the first search. Please make sure that your network is configured as described in this manual and that all cables are properly attached.

5.2 Using the Freecom Network Drive XS web interface

1. Open your web browser, type "type "http://NDXS" into the URL address box and press "Enter".

🏉 Blank	Page - Windows Internet Explorer
CO	▼ 🖉 http:// NDXS
😭 🏘	🔏 Blank Page

2. The login dialog box will appear. Please use the following username and password for the initial login:

Username: admin

Password: admin

connect to 107.254.0.1	? 🗙
R	GA
NET Disk	
User name:	~
Password:	
Remember n	ny password

3. The start screen of the Freecom Network Drive XS web interface will open. Now you can continue configuring your Freecom Network Drive XS.



5.3 Basic Settings (Status) of the Freecom Network Drive XS

In the web interface, click on "Status" to change the basic settings of the Freecom Network Drive XS:

Status			
System Informat	ion		Sta
Host Name		Change	5.0
	WORKGROUP		IP Con
Administrator	admin	Change	
Date/Time	2009/10/27 16:47:34 GMT 1:00	Change	Maintenar
Firmware Version	STR8183-1.53a LOADER 1.07 W1.19.1		
			SMB Ser
Network Informa	ition		
IP Address	169.254.0.1		FTP Serv
MAC Address			
DHCP Server	ON O Enabled Ocsabled	Apply	BitTorre
Service Informat	ion		Media Serv
SMB Service	Enabled Disabled	Apply	
FTP Service	Enabled Disabled	Apply	Disk Util
Disk Information			
Disk ID	SAMSUNG HD203WI		
	1906468 MB free		
Total Size	1907729 MB		

5.3.1 Status - System Information

Setting up host and group name

Click on the "Change" button next to the "Host Name" field.



Enter the desired host and group names and click on "OK" to apply your settings.

Setting up the administrator password

Click on the "Change" button next to the "Administrator" field.

<u>Administrator</u>	
Administrator admin	
Password	(max 12 characters)
Verify Password	
OK Cance	D

Enter your new administrator password and repeat entry in the second field for verification. Click on "OK" to apply your new password.

Configuring the time settings

You can setup date and time of your Freecom Network Drive XS either manually or automatically.



Manual Configuration

Enter date and time and select the "Disable" button to disable the usage of a time server.

Choose whether to use "Daylight Saving Time" or not.

Click on "OK" to save your settings.

Automatic Configuration

Select the "Auto" button in the SNTP" section to enable using a time server for your time settings.

In the "Time Server" section, you can either select a time server from the pull-down list or you can use a time server that is not listed in the pull-down list by manually adding the NTP address in the field below the pull-down list.

Choose whether to use "Daylight Saving Time" or not.

Click on "OK" to save your settings.

EN

Firmware Version

In the "Firmware Version" section you can find information which firmware version is used in your device. Please have this information available for the Freecom Support if you have problems with your Freecom Network Drive XS.

5.3.2 Status - Network Information

DHCP Server Configuration

In this section you can select whether to use the Freecom Network Drive XS as DHCP Server or not.

Network Information		
IP Address	169.254.0.1	
MAC Address	00:b0:2a:00:01:15	
DHCP Server	ON 🝳 Enabled 🔍 Disabled	Apply

To enable the DHCP Server, select the "Enable" button and click on "Apply". If the DHCP Server is already enabled and you want to disable it, select the "Disable" button and click on "Apply".



5.3.3 Status - Service Information

You can enable the FTP service / SMB service and specify. Select the "Enabled"/"Disabled" button. You can enable/deactivate the FTP service / SMB service.

Click on "Apply" to save your settings.

5.3.4 Status – Disk Information

In this section, the status of the hard disk is displayed. You can find the following information:

Disk ID:	Displays information about the hard disk
----------	--

- Free Size: Shows the available free space of the hard disk
- Total Size: Shows the total size of the hard disk

5.4 IP Config

In the "IP Config" section of the web interface it can be configured whether the Freecom Network Drive XS has a static IP address or gets an automatic IP address assigned by another DHCP Server in the network.

Configuration of the Network Drive XS

ATTENTION: Do not use	"Automatic	IP" if	the DHCP	Server i	s already
switched on on the "Statu	ıs" page!				

"Automatic IP" is not available when the DHCP Server of the Freecom Network Drive XS is already running.

IP Config		INNOVATIVE GERMAN QUALITY
Automatic IP		Status
Static IP		
IP Address	169.254.0.1	IP Config
SubnetMask	255.255.255.0	
Gateway	0.0.0.0	Maintenance
Primary DNS		
Secondary DNS		SMB Server
		FTP Server
		BitTorrent
		Media Server
		Disk Utility

5.5 Maintenance

In this section you can

- update the firmware of your Freecom Network Drive XS. New firmware usually fixes bugs or adds new features to your Freecom Network Drive XS.
- make a system reboot or
- reset the Freecom Network Drive XS settings to factory default.

Maintenance	E GERMAN QUALITY
Firmware Upload	Ctate
Select new firmware to upload.	Statt
firmware is uploading.	IP Conf
Browse Upload	
System Rehoot	Maintenan
Click the Reboot button to have the device perform a software restart.	SMB Serv
Reboot	FTP Serv
Reboot	FTP Serv
Reboot Factory Defaults Click the "Reset" button to clear all configuration and restore to default settings	FTP Serv BitTorre
Reboot Factory Defaults Click the "Reset" button to clear all configuration and restore to default settings. Please don't turn off the power and close the web browser when the system is changing the settings. Please click "Reboot" button after reset.	FTP Serv BitTorre Media Serv

5.6 Windows File Sharing Configuration (SMB Server)

Click on "SMB Server" in the web interface to open the SMB server configuration:

New Modify En/Disable Delete User Name Password Access En	
user Name Password Access En	/ndepth1
Guest RW EN	NABLED
R	

5.6.1 User Account List

In the "Account List", you can add or delete users and modify their access rights.

New

Click on "New" to add a new user. Enter a user name and a password and click on "Apply".

Modify

Click on "Modify" to change the user access rights. You can

- set or change the user password
- give the user read-only or read/write access
- select folder the user is allowed to access

After changing the settings, click on "Modify" to apply settings.

En/Disable

Click on "En/Disable" to enable or disable the user access for the selected user.

Delete

Click on "Delete" to delete a user from the list. Confirm with "OK" to delete the user.

5.6.2 Administration of shared folders

In the left section ("Folder List"), shared folders can be administrated. In this list, all available folders on the Freecom Network Drive XS will be listed:

Create

Opens the menu to create a new shared folder.

Create Folder	
Folder Name	(max 64 characters)
	OK Cancel

Rename

Opens the menu to rename an existing shared folder.



Delete

30

Opens the menu to delete an existing shared folder.



Note: for all changes you have to login with your administrator password!

5.6.3 Sharing folders

Adding a shared folder

To add a folder to the Sharing List, select a folder in the "Folder List" and click on the "->" button. The folder will now appear in the "Sharing List".

<u>Modify</u>	SMB Account	t	
Account Password Access	test •••• (max ● Read Only © Read/V	: 12 characters) Vrite	Set Back
Folder List Create Rena PUBLIC BT	me Delete ->	Sharing List	

5.6.4 Mounting shared folders

PC

Windows users can use the Freecom Network Storage Assistant to map shared folders with a drive letter.

- Start the Freecom Network Storage Assistant
- Click on "Add&Remove mapped shares"
- Select a shared folder and map it to a drive letter.

Freecom Network Drive XS

Mac OS X

Select 'Go To' -> 'Connect with Server...'from the menu bar. The Freecom Network Drive XS address is:

smb://169.254.0.1 or else smb://NETWORKDRIVE_NAME (factory default is smb://NDXS).

Click 'Connect'. You now need to select a shared folder on the next screen. Press OK to continue.

Enter the workgroup, your username and password for accessing the Freecom Network Drive XS. User name to login always has to be "admin"!

5.7 FTP Server Configuration

In this section you can set FTP functions, status and FTP user administration:

FTP Serve	r			E GERMAN QUALITY
FTP Port	21 21 or 102	25-65500	Apply	Status
FTP Codepage	English	💌 Help	Apply	IP Config
Account List				
New Modify En/Disa	able Delete		Fr (Direk) -	Maintenance
anonymous test		RO RW	ENABLED ENABLED	SMB Server
				FTP Server
				BitTorrent
				Media Server
				Disk Utility

New

Click on "New" to add a new user. Enter a user name and a password and click on "Apply".

Modify

Click on "Modify" to change the user access rights. You can

- set or change the user password
- give the user read-only or read/write access
- select folder the user is allowed to access

After changing the settings, click on "Modify" to apply settings.

En/Disable

Click on "En/Disable" to enable or disable the user access for the selected user.

Delete

Click on "Delete" to delete a user from the list. Confirm with "OK" to delete the user.

The standard port for FTP is 21. After making your changes, click on "Apply".

NOTE: If you are using the Freecom Network Drive XS in a network and you want to have FTP access on the Freecom Network Drive XS from the outside (Internet), you have to forward the selected FTP port (e.g. 21) to the IP address of your Freecom Network Drive XS!

Please consult the user manual of your router for further information how to setup port forwardings!

Anonymous login allows the user to login as

User: anonymous

Password: user's e-mail address

User Account List

In the "Account List", you can add or delete users and modify their access rights.

New

Click on "New" to add a new user. Enter a user name and a password and click on "Apply".



Freecom Network Drive XS

Modify

Click on "Modify" to change the user access rights. You can

- set or change the user password
- give the user read-only or read/write access
- select folder the user is allowed to access

After changing the settings, click on "Modify" to apply settings.

Modify FTP Accour	nt
Account test Password ••••	nax 12 characters)
Access Read only Read 	d/Write
Folder List	Sharing List
Create Rename Delete	DT
BT	
	<

En/Disable

Click on "En/Disable" to enable or disable the user access for the selected user.

Delete

Click on "Delete" to delete a user from the list. Confirm with "OK" to delete the user.



5.7.1 Internal FTP access

Use any FTP client software (e.g. WS_FTP, SmartFTP or CuteFTP) or open your browser and enter

ftp://USERNAME:USERPASSWORD@<IP ADDRESS> or ftp://USERNAME:USERPASSWORD@<HOST NAME>

<USERNAME> = user name

<USERPASSWORD> = password of user

<IP ADDRESS> = IP address of your Freecom Network Drive XS

<HOST NAME> = Host name of the Freecom Network Drive XS as specified in the settings

5.7.2 External FTP access (via Internet)

To access the Freecom Network Drive XS via FTP from the Internet, make sure that the FTP port specified in the Network Drive XS settings is forwarded to the Network Drive XS IP address in the port forwarding settings of your router!

Please consult the user manual of your router for further information how to setup port forwardings!

Use any FTP client software (e.g. WS_FTP, SmartFTP or CuteFTP) or open your browser and enter

ftp://USERNAME:USERPASSWORD@YOUR_INTERNET_IP

or

ftp://USERNAME:USERPASSWORD@YOUR_DYNDNS_HOST

<USERNAME> = user name

<USERPASSWORD> = password of user

< YOUR_INTERNET_IP > = your WAN IP address

< YOUR_DYNDNS_HOST > = your Dynamic DNS host name (if supported by your router)

Note: Not all browsers can upload data via FTP. Those that can are e.g. InternetExplorerandKonqueror.WerecommendusingFTPclientsoftware such as WS_FTP, SmartFTP or CuteFTP.

5.8 Media Server

The Freecom Network Drive XS can be used to store all your multimedia files on, and play them back on any computer or Audio/Video (UPnP) streaming device in your network.

MediaServer		FREECOM
Photo Directory		C+-1
PUBLIC -	Set Disable Disable	5101
Music Directory		IP Con
PUBLIC	Set Disable Disable	Maintenar
Video Directory		CMB Com
PUBLIC .	Set Disable Disable	SPID Serv
		FTP Serv
		BitTorre
		Media Serv
		Disk Util

5.9 Configure Torrent Download Client

The Torrent Download Client supports the download of files over the bittorrent network. Enter the URL of a torrent file and click on "Upload".

System ID	535452383138332d312e3533612d303030313135	
Download Path	PUBLIC Apply	IP Co
Server Port	6001 1025 ~ 65535 (Default: 6681)	Maintena
Upload Limit	0 KB (0 is unlimited)	SMB Ser
Download Limit	KB (0 is unlimited) Apply	FTP Ser
Mail Notificati	on Mail.Setup	BitTor
Upload You	r Torrent File	Media Se
Download (BrowseUpload	Disk Ut

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You can specify the maximum upload and download rate (KB/s) for each file individually by entering values in the corresponding fields before pressing "Upload".

To get maximum performance for your torrent downloads, you can configure a port to be forwarded from your router to the Network Drive XS.

You can use the standard port 6881 for the port forwarding, but you may also select another port.

Please check the manual of your router for further information how to setup a port forwarding.

ATTENTION: Please respect the law and only download legally! Freecom cannot be held responsible for the content of your downloads!

5.10 Disk Utility

In this section you can

- choose to format the hard disk,
- specify after how many minutes of inactivity the hard disk will go to sleep mode.

Disk Utility		INNOVATIVE GERMAN QUALITY
Format Disk	Format	Stati
Sleep Time		IP Conf
Disabled 💌	Set	Maintenan
		SMB Serv
		FTP Serv
		BitTorre
		Media Serv
		Disk Utili

Chapter 6: LAN Connection Types of the Freecom Network Drive XS

6.1 Direct connection to a PC

Once the PC/Mac is setup as DHCP client as described in the chapter "Check TCP/IP Settings on PC/Mac" the user has to configure SMB Server and/or the FTP Server to work with the device via network connection.

We recommend using the USB connection when connecting the Freecom Network Drive XS to a single PC as the USB connection offers faster data transfer rates and easier access to the Freecom Network Drive XS.

6.2 Connection to an existing network

Make sure the DHCP Server of your router is enabled. For more information on this topic, please refer to your router's manual.

- 1. Connect the Freecom Network Drive XS directly to a PC/Mac and open the web configuration.
- 2. Open the "Status" page.

Status			INNOVATIVE GERMAN QUALITY
System Informat	ion		C4
Host Name		Change	50
Group Name	WORKGROUP		TP Co
Administrator	admin	Change	
	2009/10/27 16:47:34 GMT 1:00	Change	Maintena
Firmware Version	STR8183-1.53a LOADER 1.07 W1.19.1		
			SMB Ser
Network Informa	ition		
IP Address	169.254.0.1		FTP Ser
MAC Address	00:b0:2a:00:01:15		
DHCP Server	ON Enabled Disabled	Apply	BitTor
Service Informati	ion		Media Sei
SMB Service	Enabled Disabled	Apply	
FTP Service	Enabled Disabled	Apply	Disk Ut
Disk Information			
Disk ID	SAMSUNG HD203WI		
	1906468 MB free		
Total Size	1907729 MB		

- 3. Disable the DHCP Server. Click on "Apply" to save your changes.
- 4. Open the "IP Config" page.

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IP Config	g			
Automatic IP				Status
Static IP				
IP Address	169.254.0.1			IP Config
SubnetMask	255.255.255.0			
Gateway	0.0.0.0			Maintenance
Primary DNS				
Secondary DNS				SMB Server
		Apply		
				FTP Server
				IC ISSUED
				BitTorrent
				Media Server
				Disk Utility

- 5. Select "Automatic IP" and click on "Apply" to save your changes.
- 6. Disconnect the Freecom Network Drive XS from your PC and connect it to your router.
- 7. Your Freecom Network Drive XS will now get an IP address assigned by the DHCP Server of your router. Every PC/Mac connected to your network can now access your Freecom Network Drive XS.

You can now use the Freecom Network Storage Assistant for an easy access to your Freecom Network Drive XS. This tool helps you to access the web interface or to map shared folders with a drive letter.

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