



INNOVATIVE GERMAN QUALITY

HANDLEIDING

DUAL DRIVE NETWORK CENTER

EXTERNAL REMOVABLE DUAL NETWORK HARD DRIVE / 3.5" / GIGABIT LAN / USB 2.0 HOST

Geachte gebruiker,

Hartelijk dank voor de aanschaf van het **Freecom Dual Drive Network Center**. Het Freecom Dual Drive Network Center biedt u een eenvoudig te gebruiken netwerkopslag en de mogelijkheid om het apparaat te gebruiken als DLNA/UPnP Media Server en als Torrent Download Client.

Gelieve in acht te nemen dat deze handleiding een algemene handleiding is voor meerdere producten van Freecom. De productafbeeldingen in deze handleiding kunnen afwijken van het door u gekochte product.

Freecom Technologies GmbH • Germany

www.freecom.com

Inhoud van de verpakking

Controleer de inhoud van de verpakking. Alle meegeleverde artikelen staan vermeld op de achterkant van de verpakking.



Heeft u hulp nodig? Heeft u vragen?

Indien u vragen heeft met betrekking tot het gebruik van dit product, informatie zoekt over andere producten van Freecom of vakkundige ondersteuning wenst, neem dan contact op met de klantenservice van Freecom voor uw land. Voor meer informatie bezoek de website www.freecom.com.

Freecom biedt ongelimiteerde, gratis helpdesk-ondersteuning.



Waarschuwing

Alle rechten voorbehouden. De producten die in deze handleiding worden genoemd worden slechts als referentie gebruikt en kunnen trademarks zijn van de betreffende bedrijven. Dit apparaat is ontworpen voor thuisgebruik en gebruik op kantoor.

Dit apparaat voldoet aan EN55022 klasse B

Freecom kan niet verantwoordelijk worden gesteld voor enige schade, data-verlies of gevolgschade hiervan (inclusief, zonder beperkingen, schade ontstaan door zakelijke winstderving, het moeten onderbreken van zakelijk handelen, verlies van zakelijke informatie en andere geldelijke verliezen) die is ontstaan door het gebruik of het niet kunnen gebruiken van dit Freecom produkt, zelfs indien Freecom vooraf in kennis is gesteld van de mogelijkheid van het ontstaan van dergelijke schades.

Wij behouden het recht voor om onze producten up te graden naar de stand van technologische vooruitgang.

Inhoudsopgave

Algemeen

Systeemvereisten	Pagina	4
Voorzorgsmaatregelen	Pagina	5
Freecom Dual Drive Network Center - setup overzicht	Pagina	6

Hoofdstuk

Hardware installeren	Pagina	7
----------------------------	--------	---

Hoofdstuk

De LAN-modus gebruiken.....	Pagina	9
-----------------------------	--------	---

Hoofdstuk

Software Installatie.....	Pagina	15
---------------------------	--------	----

Hoofdstuk

Toegang tot het Dual Drive Network Center.....	Pagina	18
--	--------	----

Hoofdstuk

Configuratie van de Freecom Dual Drive Network Center.....	Pagina	22
--	--------	----

Hoofdstuk

Functies van het Dual Drive Network Center	Pagina	24
--	--------	----

Hoofdstuk

De Freecom Network Storage Assistant ..	Pagina	51
---	--------	----

Algemeen

Voor de juiste werking van het apparaat moet uw systeem moet over de volgende hardware en software beschikken.

Systemeisen

Voor het werken met de Freecom Dual Drive Network Center heeft u de volgende componenten nodig:

PC:

- Intel Pentium III / AMD Duron 900 MHz of hoger
- 256 MB RAM (Vista / 7: 512 MB RAM) of hoger
- LAN (1000 Base-T Full Duplex-verbinding aanbevolen)
- CD-ROM-station
- Internetverbinding voor de online garantieregistratie en het downloaden van softwareupdates.
- Besturingssysteem: Windows XP, Windows Vista, Windows 7

Mac:

- PowerPC G4/G5 of Intel Mac
- 256 MB RAM of hoger
- LAN (1000 Base-T Full Duplex-verbinding aanbevolen)
- CD-ROM-station
- Internetverbinding voor de online garantieregistratie en het downloaden van softwareupdates.
- Besturingssysteem: Mac OS X v10.4 of hoger

Uw Freecom Dual Drive Network Center is voorgeprogrammeerd en geconfigureerd als RAID 0 en kan dus onmiddellijk worden gebruikt. Daardoor is de maximale geheugenplaats beschikbaar. Indien u waarde hecht aan maximale gegevensbeveiliging, dan raden wij u de configuratie als RAID 1 aan. In de modus "RAID 1" worden uw harde schijven gespiegeld, zodat enkel de helft van de geheugenplaats beschikbaar is. Als er een harde schijf uitvalt, kunnen uw gegevens van de tweede harde schijf hersteld worden. Meer informatie over de configuratie van de harde schijf kunt u vinden in hoofdstuk "Harde schijven configureren" van deze handleiding.

Voorzorgsmaatregelen

Neem de volgende voorzorgsmaatregelen in acht om er voor te zorgen dat uw Freecom Dual Drive Network Center goed functioneert. Anders kunt u uw aanspraak op garantie verliezen en de Freecom Dual Drive Network Center beschadigen.

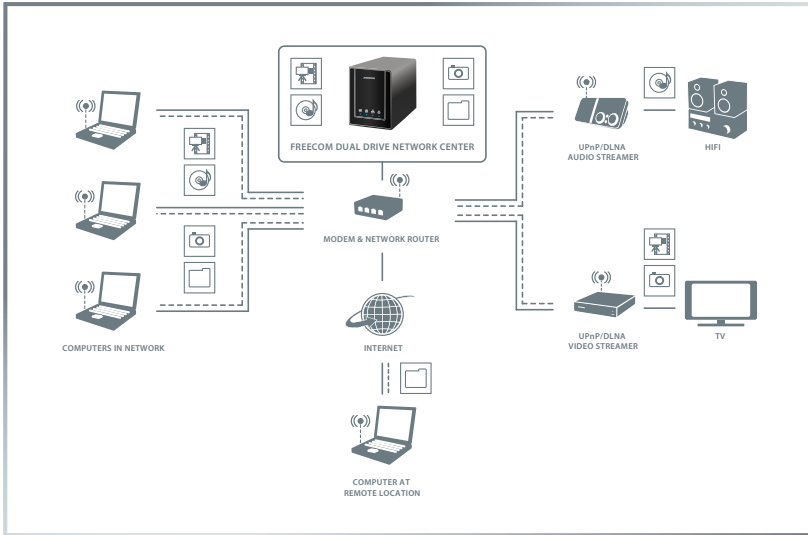
- Laat de Freecom Dual Drive Network Center niet vallen en voorkom andere of plotselinge mechanische schokken omdat dit ertoe kan leiden dat gegevens verloren gaan en het netwerkstation wordt beschadigd.
- Gebruik de Freecom Dual Drive Network Center niet bij temperaturen onder 10°C of boven 35°C.
- Als de Freecom Dual Drive Network Center van een koude naar een warmere omgeving gebracht wordt, dient u het station in de nieuwe omgeving te laten acclimatiseren, voordat u het apparaat gebruikt. Als u dit niet doet kan condensatie aan de binnenkant van het station ontstaan, wat defecten kan veroorzaken.
- Plaats geen vloeistoffen of drankjes op de Freecom Dual Drive Network Center. Als vloeistoffen gemorst worden en in contact komen met de elektronica in het station, zal dit het station beschadigen en defecten veroorzaken.
- Gebruik de Freecom Dual Drive Network Center niet in een stoffige omgeving. Stof in de behuizing kan interne elektronische componenten beschadigen en leiden tot defecten.
- Gebruik alleen de stroomadapter die bij de Freecom Dual Drive Network Center is geleverd.
- Openen van de Freecom Dual Drive Network Center leidt tot garantierval.



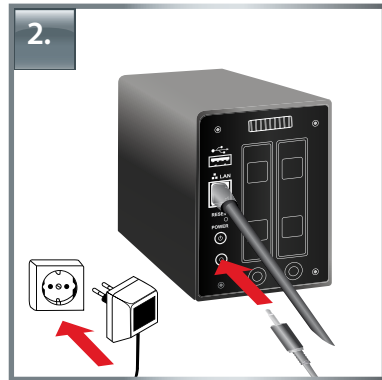
Indien u tijdens de installatie en/of configuratie van uw Dual Drive Network Center hulp nodig heeft of vragen heeft, neem dan contact op met de klantenservice van Freecom voor uw land. Voor meer informatie bezoek de website www.freecom.com.

Freecom biedt ongelimiteerde, gratis helpdesk-ondersteuning.

Freecom Dual Drive Network Center - setup overzicht



Hoofdstuk: Hardware Installatie



1. Sluit de connector van de kabel* aan op de Freecom Dual Drive Network Center.
2. **Optioneel:** Sluit de kabel van de netspanningsadapter aan op de Freecom Dual Drive Network Center en steek vervolgens de stekker in het stopcontact.
3. Verbind het andere einde van de connector van de kabel* met een netwerkrouter.
Let op: uw router moet geconfigureerd zijn als DHCP-server. Meer informatie over hoe u de DHCP-serverfunctie van uw router gebruikt, kunt u vinden in de handleiding van uw router.
4. **Optioneel:** indien uw apparaat voorzien is van een netschakelaar, dient u het apparaat vóór het gebruik in te schakelen.

* Gebruik de interfacekabel van uw apparaat (bijv. USB, eSATA, Firewire, LAN) voor de aansluiting op de PC / Mac.

LED-beschrijving

	Aan	Knippert	Rood	Uit
1. LED: HDD 1	Geformateerde HDD	x	Ongeformateerde HDD	x
2. LED: HDD 2	Geformateerde HDD	x	Ongeformateerde HDD	x
3. LED: netwerk	Netwerkverbinding	x	x	Geen netwerkverbinding
4. LED: power	De normale modus	Toegang tot de gegevens	Systeemfout	Apparaat uit



Netschakelaar

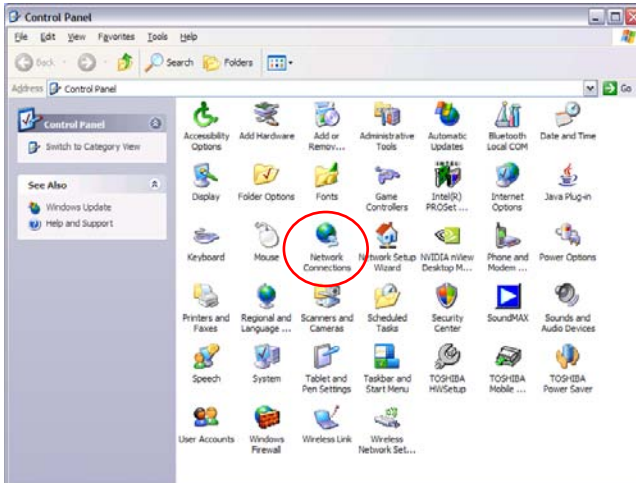
Schakel de Freecom Dual Drive Network Center uit als deze niet wordt gebruikt. Dit bespaart elektriciteit en verlengt de levensduur van de harde schijf. De netschakelaar bevindt zich achter op de Freecom Dual Drive Network Center.



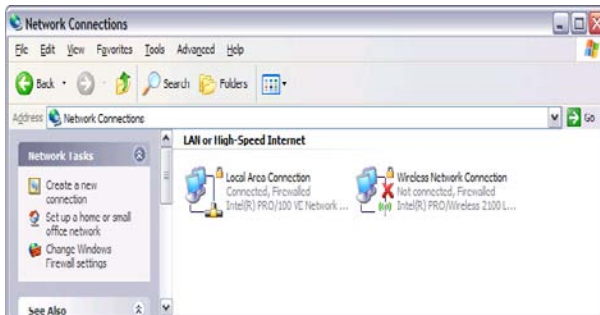
Hoofdstuk: De LAN-modus gebruiken

TCP/IP-instellingen in Windows XP controleren

1. Open "Start" -> "Settings" (instellingen) -> "Control Panel" (configuratiescherm).

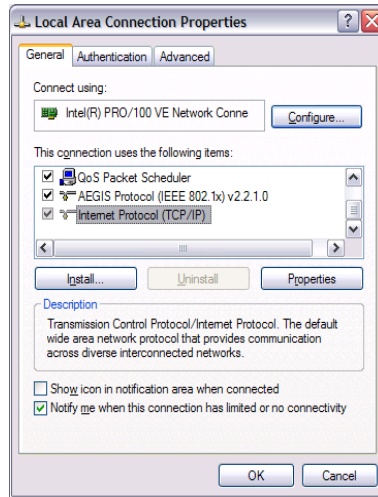


2. Dubbelklik op "Network Connections" (netwerkverbindingen beheren).

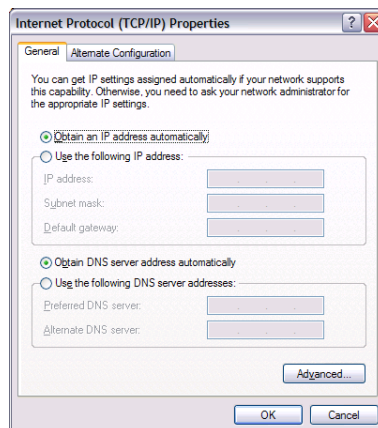


3. Klik met de rechter muisknop op uw "Local Area Connection" (LAN-verbinding) en selecteer "Properties" (eigenschappen).

4. Het volgende scherm verschijnt. Selecteer "Internet Protocol (TCP/IP)" en klik op "Properties" (eigenschappen).

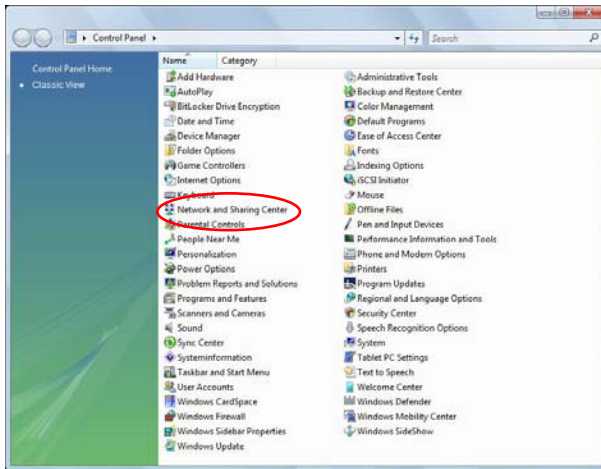


5. Selecteer onder tab "General" (algemeen) het punt "Obtain an IP address automatically" (IP-adres automatisch toewijzen) en "Obtain DNS server address automatically" (DNS-serveradres automatisch toewijzen).

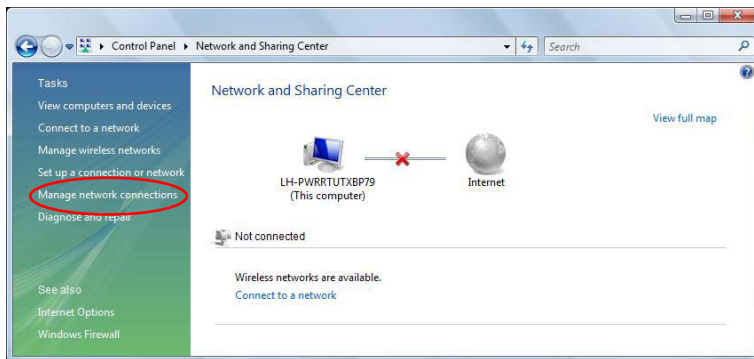


TCP/IP-instellingen in Windows Vista / 7 controleren

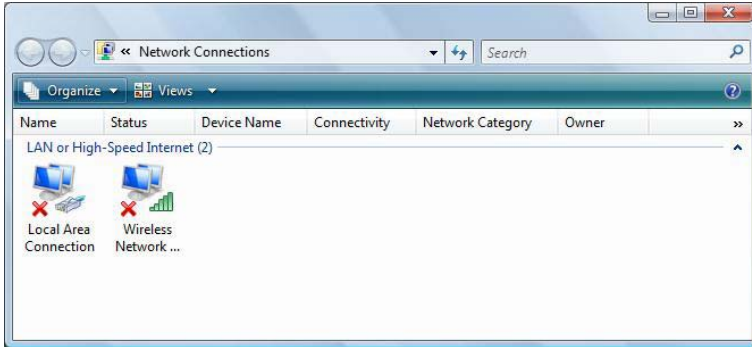
1. Open "Control Panel" (configuratiescherm) -> "Network and Sharing Center".



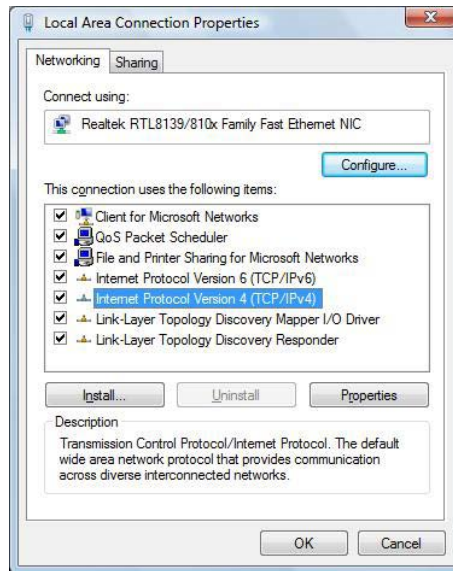
2. Klik op "Manage Network Connections" (netwerkverbindingen beheren).



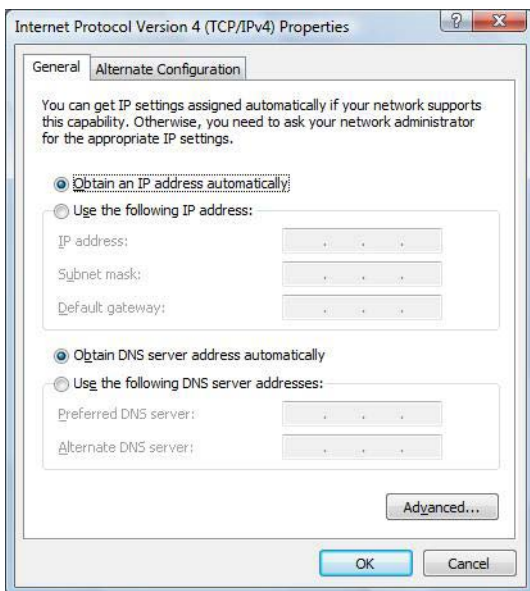
3. Klik met de rechter muisknop op "Local Area Connection" en selecteer "Properties" (eigenschappen).



4. Selecteer onder tab "Networking" het punt "Internet Protocol Version 4 (TCP/IPv4)" en klik op "Properties" (eigenschappen).



5. Selecteer onder tab "General" (algemeen) het punt "Obtain an IP address automatically" (IP-adres automatisch toewijzen) en "Obtain DNS server address automatically" (DNS-serveradres automatisch toewijzen).



TCP/IP instellingen in Mac OS X controleren

1. Open "System Preferences" (systeemvoorkeuren) -> "Network" (netwerk).



2. Selecteer in tab "TCP/IP" het punt "Using DHCP" in de "Configure IPv4" instellingen.



Hoofdstuk: Software Installatie

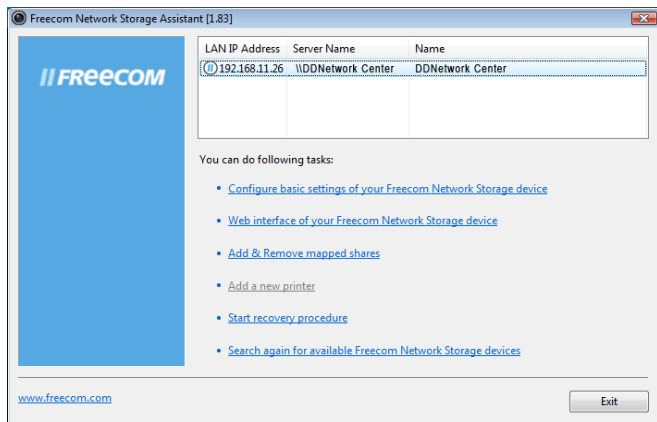
Freecom Network Storage Assistant software installatie (PC)

De Freecom Network Storage Assistant is bedoeld voor snelle herkenning en de algemene inrichting van uw Dual Drive Network Center. Hij toont u alle in het netwerk beschikbare Dual Drive Network Center's en helpt u bij het maken van netwerkmappen.

1. Leg de Manual & Application CD-ROM in uw CD/DVD-station. De CD-ROM bevat handleidingen en applicatiesoftware, inclusief de "Freecom Network Storage Assistant". Zodra de CD-ROM in de CD-romstation wordt gelegd, verschijnt er automatisch een venster op het scherm. Indien dit niet het geval is, dient u als volgt te handelen:
2. Open "Deze Computer".
3. Dubbelklik op de CD-romstation waarin de CD-ROM is geplaatst. Nu wordt het startscherm geopend.



4. Klik op "Software Installation" -> "FNS Assistant". Het installeren wordt nu gestart. Volg de instructies op het scherm op en bevestig met "Volgende" om met het installeren verder te gaan. Klik na beëindiging van de installatie op "Quit" om het menu scherm te verlaten.
5. Start de "Freecom Network Storage Assistant" door dubbel op het "FNSA"-pictogram op uw desktop te klikken of via "Start" -> "Programma's".
6. Controleer in de FNSA of uw Dual Drive Network Center door het systeem werd herkend. Dit kan even duren. Als uw Dual Drive Network Center niet meteen werd herkend, klik dan op "Search again for available Freecom Network Storage devices" (opnieuw zoeken naar Network Storage) om het zoeken naar de Dual Drive Network Center te herhalen.



7. Een nauwkeurige functiebeschrijving van de Freecom Network Storage Assistant staat in hoofdstuk "De Freecom Network Storage Assistant".

Freecom Network Storage Assistant software installatie (Mac)

De Freecom Network Storage Assistant is bedoeld voor snelle herkenning en de algemene inrichting van uw Dual Drive Network Center. Hij toont u alle in het netwerk beschikbare Dual Drive Network Center's en helpt u bij het maken van netwerkmappen.

1. Leg de Manual & Application CD-ROM in uw CD/DVD-station. De CD-ROM bevat handleidingen en applicatiesoftware, inclusief de "Freecom Network Storage Assistant".
2. De CD pictogram verschijnt niet op uw Mac-desktop.
3. Dubbelklik op het CD pictogram. Het Freecom startmenu verschijnt.



4. Klik op "Software Installation" -> "FNS Assistant". Het installeren wordt nu gestart. Volg de instructies op het scherm op en bevestig met "Volgende" om met het installeren verder te gaan. Klik na beëindiging van de installatie op "Quit" om het menuscherm te verlaten
5. Start de "Freecom Network Storage Assistant". Dat vindt u onder "Programma's" —> "Utilities".
6. Controleer in de FNESA of uw Dual Drive Network Center door het systeem werd herkend. Dit kan even duren. Als uw Dual Drive Network Center niet meteen werd herkend, klik dan op "Search again for available Freecom Network Storage devices" (opnieuw zoeken naar Network Storage) om het zoeken naar de Dual Drive Network Center te herhalen.
7. Een nauwkeurige functiebeschrijving van de Freecom Network Storage Assistant staat in hoofdstuk "De Freecom Network Storage Assistant".

Hoofdstuk: Toegang tot het Dual Drive Network Center

Toegang tot gegevens via SMB

Server Message Block (SMB) is het netwerkprotocol dat hoofdzakelijk gebruikt wordt om bestandsuitwisseling tussen meerdere computers in een netwerk mogelijk te maken.

Windows

Open de Windows Explorer en voer in de adreslijst

\\ddnetworkcenter* of

\\IP_ADRESS in (IP_ADRESS is het IP-adres van uw Dual Drive Network Center).



Als u de hostnaam of het IP-adres heeft gewijzigd, gebruik dan de nieuwe instellingen. Voer uw gebruikersnaam en wachtwoord in voor toegang tot het Dual Drive Network Center. Als u zich als administrator aanmeldt, heeft u toegang tot alle mappen van het Dual Drive Network Center.

Linux

Open de bestandsbrowser (bijv. Konqueror) en voer in de adreslijst

smb://ddnetworkcenter* of

smb://IP_ADRESS in (IP_ADRESS is het IP-adres van uw Dual Drive Network Center).

Als u de hostnaam of het IP-adres heeft gewijzigd, gebruik dan de nieuwe instellingen. Voer uw gebruikersnaam en wachtwoord in voor toegang tot het Dual Drive Network Center. Als u zich als administrator aanmeldt, heeft u toegang tot alle mappen van het Dual Drive Network Center.

Mac OS

MAC OS X 10.4 en hoger. Selecteer in de menulijst "Ga naar" -> "Met server verbinden...". Het adres van het Dual Drive Network Center is:

smb://ddnetworkcenter* of

smb://IP_ADRESS (IP_ADRESS is het IP-adres van uw Dual Drive Network Center).

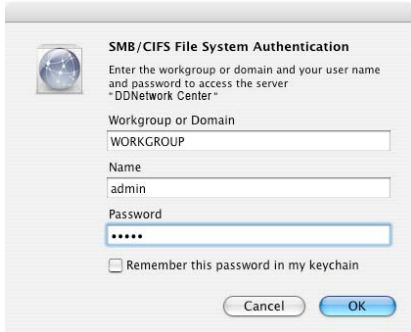


* Fabrieksinstellingen. Als u de hostnaam of het IP-adres heeft gewijzigd, gebruik dan de nieuwe instellingen.

Klik op "Verbinden met". Voer de werkgroepnaam, uw gebruikersnaam en uw wachtwoord in voor toegang tot het Dual Drive Network Center. Als u zich als administrator aanmeldt, heeft u toegang tot alle mappen van het Dual Drive Network Center.



Opmerking: de werkgroepnaam van het Freecom Dual Drive Network Center bepaalt u onder Setup - System in het configuratiemenu van het Freecom Dual Drive Network Center.



Mac OS X 10.4

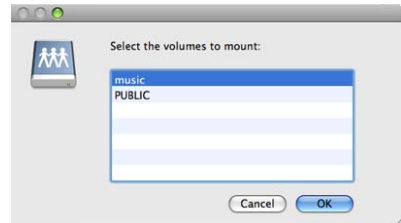


Mac OS X 10.5

Selecteer vervolgens een vrijgegeven map en klik op OK om verder te gaan. Nadat u op OK heeft geklikt, wordt de configuratie beëindigd en verschijnt er op de desktop van uw computer een pictogram.

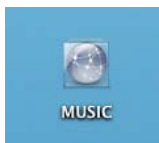


Mac OS X 10.4

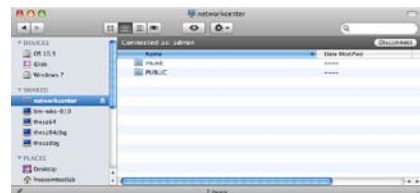


Mac OS X 10.5

Door dubbelklikken op dit pictogram heeft u toegang tot alle voor uw gebruikersnaam vrijgegeven mappen van het Dual Drive Network Center.



Mac OS X 10.4



Mac OS X 10.5

Toegang tot gegevens via FTP



Opmerking: niet alle browsers kunnen voor de upload van gegevens via FTP worden gebruikt. Browsers die dit ondersteunen zijn bijv. Internet Explorer en Konqueror. Wij raden aan om een FTP-client software te gebruiken, zoals bijv. WS_FTP, SmartFTP of CuteFTP.

Het File Transfer Protocol (FTP) is een standaard protocol dat wordt gebruikt om bestanden via een TCP/IP computernetwerk uit te wisselen. Het FTP-protocol is gebaseerd op een client-server-architectuur.

Lokale toegang

Activeer de "FTP-server"-optie. Gebruik een FTP-client software of open uw browser en voer

`ftp://USERNAME:USERPASSWORD@IP_ADDRESS *`

of

`ftp://USERNAME:USERPASSWORD@ddnetworkcenter *`

(IP_ADDRESS is het IP-adres van uw Dual Drive Network Center).

FTP-toegang via internet

Activeer de "FTP-server"-optie in de configuratie van het Dual Drive Network Center. Uw router moet als volgt geconfigureerd zijn:

1. Port Forwarding

Stuur poort 21 door naar het IP-adres van uw Dual Drive Network Center.

* Als u de hostnaam of het IP-adres van het Dual Drive Network Center heeft gewijzigd, gebruik dan de nieuwe instellingen.

2. Dynamic DNS

Het "Dynamic Domain Name System" biedt u de mogelijkheid om een officiële DNS-naam, zoals bijv. `www.yourname.com`, te koppelen aan het dynamisch IP-adres dat u van uw internet provider heeft gekregen.

Om dit te kunnen doen moet u zich eerst registreren bij een DynDNS-provider. Deze DynDNS-provider actualiseert gewijzigde IP-adressen en koppelt deze aan de betreffende domeinnamen. Hierdoor is het mogelijk om altijd onder één domeinnaam bereikbaar te zijn, zelfs wanneer uw IP-adres wordt gewijzigd.

Als uw router dit ondersteunt, dan raden wij het gebruik van deze optie aan, anders dient u altijd het WAN IP-adres van uw router te kennen om vanuit het internet via FTP toegang te hebben op het Dual Drive Network Center.

Gebruik een "FTP-client" software of open uw browser en voer

`ftp://USERNAME:USERPASSWORD@YOUR_INTERNET_IP`

of

`ftp://USERNAME:USERPASSWORD@YOUR_DYNDNS_HOST.`

USERNAME = uw gebruikersnaam

USERPASSWORD = uw gebruikerswachtwoord

YOUR_INTERNET_IP = uw WAN IP-adres

YOUR_DYNDNS_HOST = uw DynDNS-adres

Hoofdstuk: Configuratie van de Freecom Dual Drive Network Center

De Freecom Network Storage Assistant

U kunt de Freecom Dual Drive Network Center configureren met de "Freecom Network Storage Assistant". Deze tool beschikt over de volgende functies:

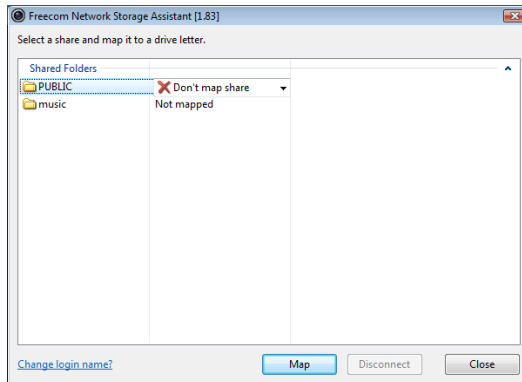


Accessing your Dual Drive Network Center web interface

Door klikken op dit menupunt, verschijnt de webinterface voor uw Freecom Dual Drive Network Center in uw standaard browser.

Adding and removing shared folders

U kunt een stationsletter aan gedeelde mappen op uw Freecom Dual Drive Network Center toewijzen. Zo heeft u snellere toegang tot uw bestanden.



Repeat search for available Freecom Dual Drive Network Centers

Klik hier om het zoeken naar uw Freecom Dual Drive Network Center te herhalen, als deze tijdens de eerste keer zoeken niet werd gevonden. Controleer of uw netwerk zoals in deze handleiding beschreven is geconfigureerd, en of alle kabels juist zijn aangesloten.

Als alle kabels aangesloten zijn, maar uw apparaat na meerdere pogingen niet functioneert, neem dan contact op met het Freecom Support Center.

Hoofdstuk: Freecom Dual Drive Network Center functies

In dit hoofdstuk worden de functies van uw Freecom Dual Drive Network Center beschreven.

Login

Gebruik de "Freecom Network Storage Assistant" om de webinterface van uw Dual Drive Network Center te openen of start uw browser en voer

`http://ddnetworkcenter`

in om de webinterface te openen.

Er wordt een login-venster geopend:

Gebruik de volgende gebruikersnamen en het volgende wachtwoord om voor de eerste keer in te loggen: gebruikersnaam: admin

wachtwoord: admin

Status

Als u deze optie kiest, verschijnt er een overzicht van alle apparaat- en netwerkinstellingen en de status van de harde schijf:

The screenshot displays the 'DualDrive Network Center' web interface. The top left shows the title 'DualDrive Network Center' and the top right features the 'FRECOM' logo with the tagline 'INNOVATIVE GERMAN QUALITY'. The main content area is divided into three sections: 'System Information', 'Network Information', and 'Service Information'. The 'System Information' section lists: Device Name (DDNetworkCenter), Group Name (WORKGROUP), Date/Time (2010 / 04 / 23 20:04), Display Language (English), Firmware Version (v3.4.21B), and Device Number (0ACB15306840). The 'Network Information' section lists: IP Address (192.168.11.239) and MAC Address (00:01:D0:FA:53:2B). The 'Service Information' section lists: Share Folder (ON), FTP Server (ON), Media Server (OFF), iTunes Server (ON), and Torrent Client (ON). On the right side, there is a vertical navigation menu with options: Status (highlighted), Setup, Settings, Log, User, Share Folder, FTP Server, Media Server, and BT Download. At the bottom of the interface, there is a small copyright notice: '© Copyright Freecom - All rights reserved.'

Setup

Met "Setup" is de configuratie van de basisinstellingen van uw Freecom Dual Drive Network Center mogelijk.

The screenshot shows the 'DualDrive Network Center' web interface. At the top, there are navigation tabs: System (selected), Network, DHCP, Date/Time, Disk, and Upgrade. The 'System Information' section contains fields for 'Device Name' (DDNetworkCenter) and 'Group Name' (WORKGROUP), with an 'Apply' button. The 'Administrator Settings' section has fields for 'New Password' and 'Confirm password', also with an 'Apply' button. The 'Power Management' section includes instructions for 'Reboot' and 'Shutdown' with corresponding buttons. A right-hand sidebar contains a 'Status' section with a 'Setup' button, and a 'Settings' section with buttons for 'Log', 'User', 'Share Folder', 'FTP Server', and 'Media Server'. The Freecom logo and tagline 'INNOVATIVE GREEN QUALITY' are visible in the top right corner.

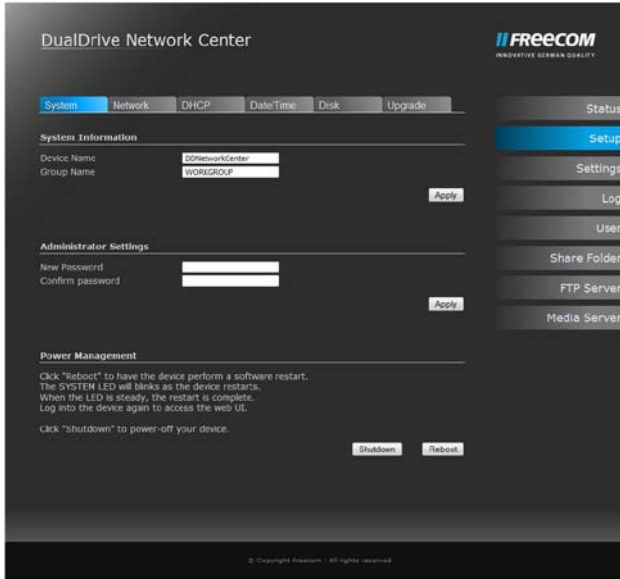
In het submenu "System" kunnen de volgende instellingen worden geconfigureerd:

- apparaat- en werkgroepnaam wijzigen onder het menupunt System
- administrator wachtwoord wijzigen onder het menupunt System
- apparaat afsluiten of herstarten onder het menupunt System
- netwerkinstellingen configureren onder het menupunt Network
- een DHCP-server configureren onder het menupunt DHCP
- datum en tijd instellen onder het menupunt Date/Time
- RAID en JBOD configureren onder het menupunt Disk
- systeem firmware actualiseren onder het menupunt Upgrade

System

In het submenu "System" kunt u de volgende instellingen configureren:

- apparaatnaam
- werkgroepnaam
- administrator wachtwoord



Apparaat-/werkgroepnaam actualiseren

Ga naar Setup -> System

Hier kunt u onder System Information de apparaatnaam en de naam van de werkgroep, waarin zich uw Freecom Dual Drive Network Center bevindt, wijzigen.

Nieuwe naam

Als u de naam het Freecom Dual Drive Network Center wijzigt, is uw apparaat via http://NEW_NAME te bereiken (NEW_NAME staat voor de naam die u gaf aan het apparaat).

Die maximale lengte van de apparaatnaam is 15 karakters. U mag alleen de karakters A-Z, a-z en 0-9 gebruiken.

Nieuwe werkgroep

Hier kunt de naam van de werkgroep wijzigen, waarin uw apparaat zich bevindt.

Die maximale lengte van de werkgroepnaam is 15 karakters. U mag alleen de karakters A-Z, a-z en 0-9 gebruiken

Nadat u de instellingen heeft gewijzigd, klikt u op "Apply". Uw Freecom Dual Drive Network Center wordt opnieuw gestart om de instellingen op te slaan.

The screenshot shows the 'DualDrive Network Center' web interface. At the top, there are navigation tabs: System (selected), Network, DHCP, Date/Time, Disk, and Upgrade. The 'System Information' section contains two input fields: 'Device Name' with the value 'DDNetworkCenter' and 'Group Name' with the value 'WORKGROUP'. An 'Apply' button is located to the right of these fields. Below this, the 'Administrator Settings' section has two password input fields for 'New Password' and 'Confirm password', with an 'Apply' button to the right. The 'Power Management' section includes instructions for rebooting and shutting down the device, with 'Shutdown' and 'Reboot' buttons at the bottom. A sidebar on the right contains a menu with options: Status, Setup (highlighted), Settings, Log, User, Share Folder, FTP Server, and Media Server. The Freecom logo and tagline 'INNOVATIVE SERVER QUALITY' are visible in the top right corner.

Administrator wachtwoord wijzigen

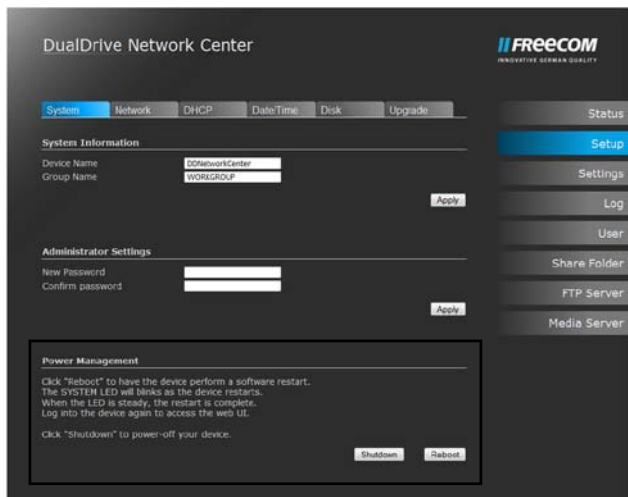
Hier kunt u uw administrator wachtwoord wijzigen. Voer het nieuwe wachtwoord in en herhaal het nieuwe wachtwoord in het tweede veld.

Als u uw administrator wachtwoord bent vergeten, kunt u uw apparaat terugzetten naar de fabrieksinstellingen, zoals beschreven in hoofdstuk "Recovery procedure starten".

This screenshot is identical to the one above, showing the 'DualDrive Network Center' web interface. It highlights the 'Administrator Settings' section, which contains two password input fields for 'New Password' and 'Confirm password', and an 'Apply' button to the right. The rest of the interface, including the navigation tabs, System Information section, Power Management section, and sidebar menu, remains the same.

Power Management

Hier kunt u het apparaat via de webinterface afsluiten of opnieuw starten. Klik met de muis op de Shutdown Button (afsluiten) c.q. op de Reboot Button (opnieuw starten).

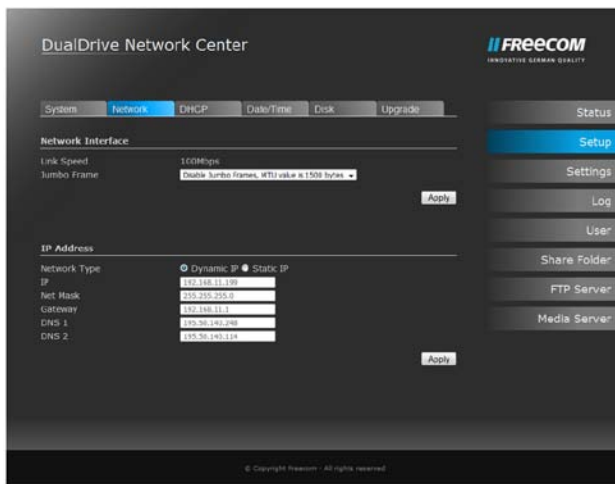


Netwerkinstellingen configureren

Ga naar Setup -> Network

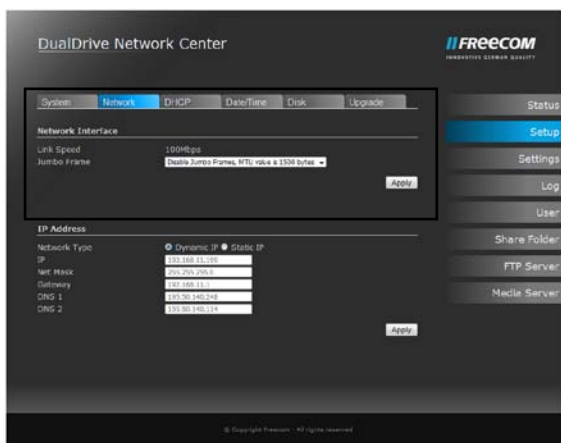
In het submenu "Network" kunt u de volgende instellingen configureren:

- grootte van de Jumbo datapakketten
- netwerkinstellingen configureren



Network Interface

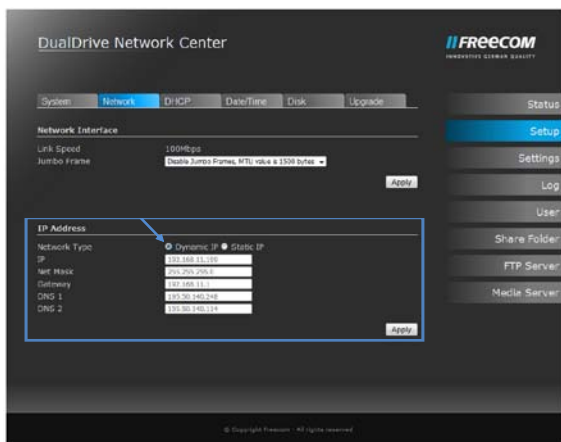
Onder Network Interface kunt u de Jumbo datapakketten kiezen. U kunt de netwerkinstellingen zowel handmatig als automatisch configureren.



Let op: alleen ervaren gebruikers dienen de grootte van de Jumbo Frames te wijzigen.

Automatische configuratie

Als u "Dynamic IP" selecteert, zal aan uw Freecom Dual Drive Network Center automatisch een IP-adres van een DHCP-server (normaal gesproken uw router) worden toegewezen. Selecteer eerst "Dynamic IP" en klik vervolgens op "Apply" om de wijzigingen op te slaan. Vervolgens wordt uw Freecom Dual Drive Network Center opnieuw gestart.



Manuele configuratie



Let op: maak geen gebruik van de handmatige configuratie als u niet zeker bent wat u moet doen.

Met de handmatige configuratie is het mogelijk om uw Freecom Dual Drive Network Center met een statisch IP-adres te configureren.

Selecteer eerst "Static IP" en klik vervolgens op "Apply" om de wijzigingen op te slaan. Vervolgens wordt uw Freecom Dual Drive Network Center opnieuw gestart.

The screenshot shows the 'DualDrive Network Center' web interface. The 'Network' tab is selected, and the 'IP Address' section is highlighted with a blue box. A blue arrow points to the 'Static IP' radio button, which is selected. The form contains the following fields:

Field	Value
Network Type	<input checked="" type="radio"/> Dynamic IP <input type="radio"/> Static IP
IP	192.168.11.199
Net Mask	255.255.255.0
Gateway	192.168.11.1
DNS 1	192.168.11.1
DNS 2	192.168.11.1

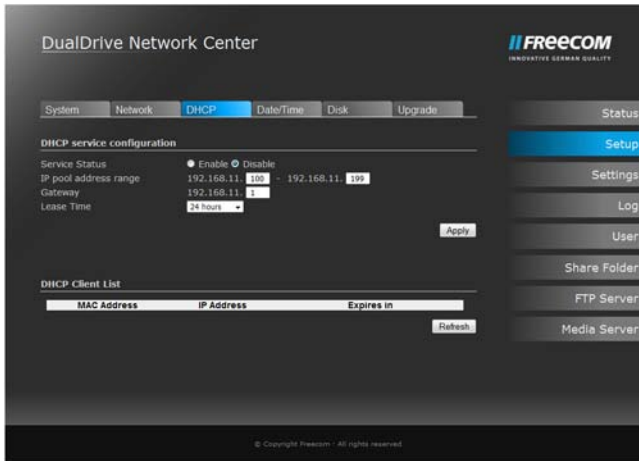
An 'Apply' button is located at the bottom right of the IP Address section. The interface also shows a sidebar with 'Setup' selected and other options like 'Settings', 'Log', 'User', 'Share Folder', 'FTP Server', and 'Media Server'. The Freecom logo and 'INNOVATIVE GERMAN QUALITY' are visible in the top right corner.

DHCP-server configureren

Ga naar Setup -> DHCP

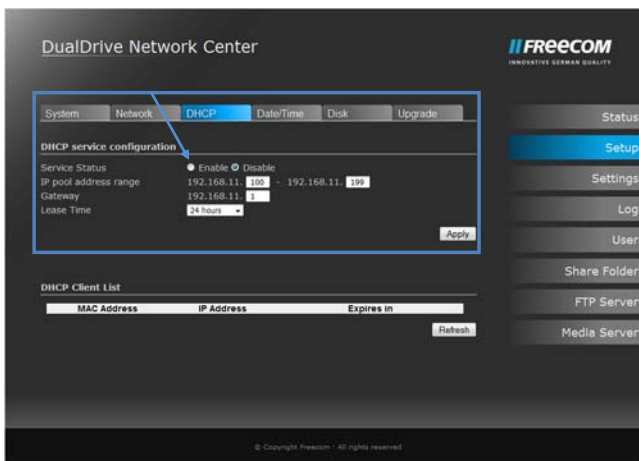
In het submenu DHCP kunt u de volgende instellingen configureren:

- DHCP-server configureren
- Clients beheren



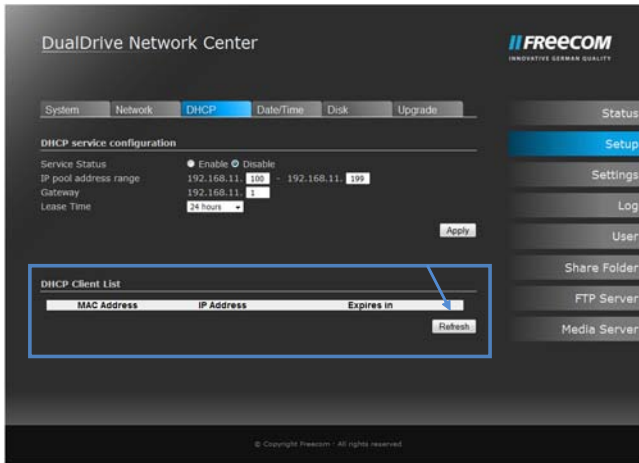
DHCP-server

Om de DHCP-server in te schakelen, dient u "Enable" te selecteren. Selecteer vervolgens het adresbereik van de DHCP-server en geef de Standard Gateway aan. De Lease Time bepaalt, hoelang een IP-adres gereserveerd blijft voor een Client. Klik op "Apply" om de wijzigingen op te slaan.



DHCP Client List

De DHCP Client List laat alle clients zien die toegang hebben tot de DHCP-server wanneer u op "Refresh" klikt. Daarnaast worden de MAC- en IP-adressen van de clients evenals de resterende Lease Time voor elke client weergegeven.

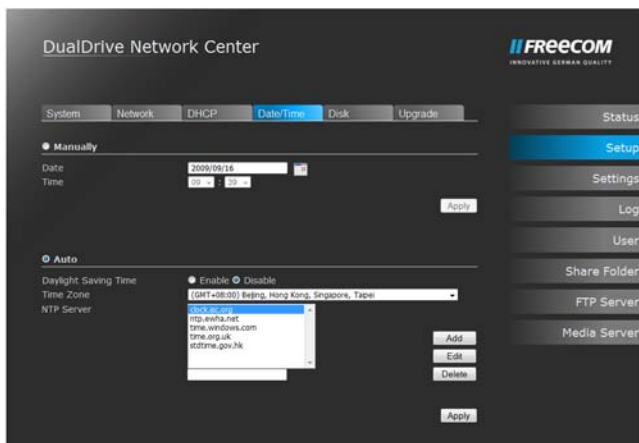


Datum en tijd configureren

Ga naar Setup -> Date/Time

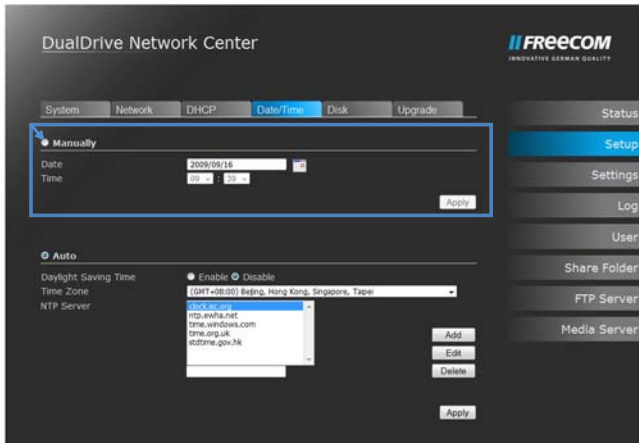
In het submenu Date/Time kunt u de volgende instellingen wijzigen:

- datum en tijd handmatig instellen
- datum en tijd automatisch instellen



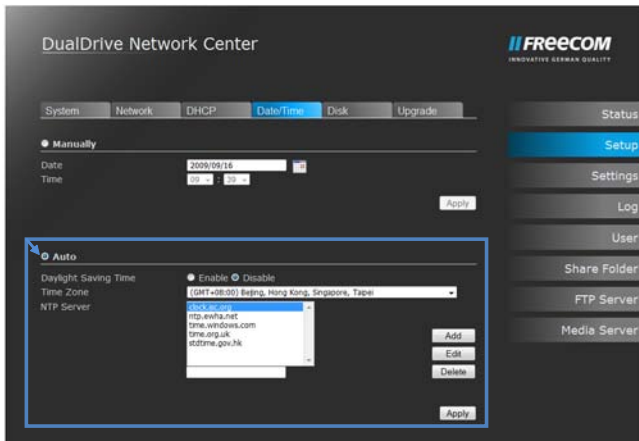
Handmatige instelling

Selecteer "Manually" om de datum en de tijd handmatig in te voeren. Klik op "Apply" om de wijzigingen op te slaan.



Automatische instelling

Selecteer "Auto", "Enable" en uw tijdzone onder Time Zone zodat het apparaat de tijd zelf instelt. Klik op "Apply" om de wijzigingen op te slaan.



Harde schijven configureren

Ga naar Setup -> Disk

DualDrive Network Center

Freecom
INNOVATIVE GERMAN QUALITY

System Network DHCP Date/Time **Disk** Upgrade

Current Disk Volume Configuration

Logical Volumes		Total Size	Free Size	Status
RAID1		465 GB	465 GB	Ready

Physical Disks		Capacity	Status	S.M.A.R.T
Drive 1	HD501LJ	500 1 GB	Ready	PASSED
Drive 2	HD502HJ	500 1 GB	Ready	PASSED

Current USB Volume Configuration

USB Disks		Total Size	Free Size	FileSystem
Volume	Model			

Refresh

Disk utility

RAID MODE JBOD RAID 0 RAID 1

Delete Disk Partition

Repair Harddisk

Rebuild RAID

S.M.A.R.T Enable Disable

HDD Power Management

Power Management Enable Disable

Turn off harddisks after minutes

Status

Setup

Settings

Log

User

Share Folder

FTP Server

Media Server

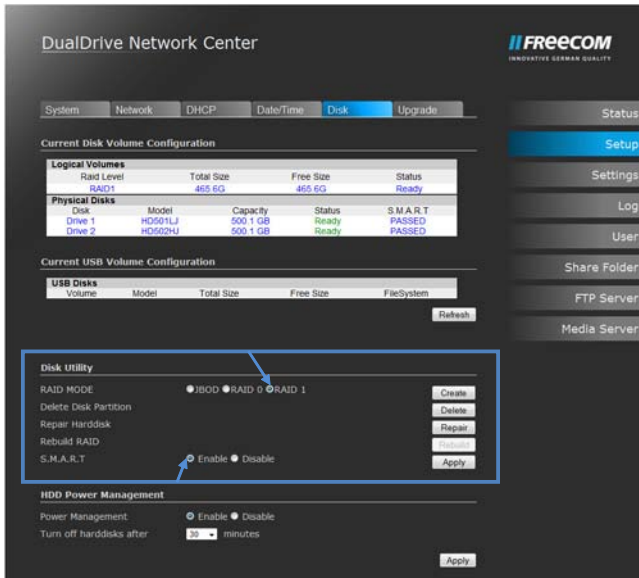
Current Disk Volume Configuration/Current USB Volume Configuration

Hier wordt een overzicht gegeven van de logische en fysieke drives en de actuele organisatie van uw logische drives. Klik op "Refresh" om het overzicht te actualiseren.

Disk Utility

Hier kunt u de organisatie van uw logische drives selecteren door bijv. "RAID 1" aan te klikken.

Kies een organisatieschema en S.M.A.R.T. "Enable" of "Disable". S.M.A.R.T. staat voor Self-Monitoring, Analysis and Reporting Technology en bewaakt de werking van uw harde schijf. Klik vervolgens op "Create" om uw gewenste organisatieschema te creëren.



RAID Modi

U kunt de harde schijven van uw Dual Drive Network Center in verschillende RAID-modi configureren:

JBOD: in deze modus worden de harde schijven van uw Dual Drive Network Center als afzonderlijke harde schijven ingericht.

RAID 0: in de modus "RAID 0" worden de harde schijven van uw Dual Drive Network Center als een enkele harde schijf gezien en de gegevens worden afwisselend verdeeld over beide harde schijven. Dit heeft als voordeel dat het lezen en schrijven sneller mogelijk is als bij twee afzonderlijke harde schijven. Het nadeel is echter dat wanneer een van de twee harde schijven uitvalt, alle gegevens op het Dual Drive Network Center verloren gaan.

RAID 1: Als u de modus "RAID 1" gebruikt, worden alle gegevens van de eerste harde schijf op de tweede harde schijf gespiegeld. Hierdoor kunt u nog alleen maar de helft van het totaal geheugen van uw Dual Drive Network Center gebruiken. Dit heeft echter als voordeel dat uw gegevens beter beveiligd zijn omdat alles dubbel opgeslagen wordt. In het geval van een uitval van een van de twee harde schijven kunt u verder gebruik maken van uw gegevens op de tweede harde schijf.

HDD Power Management

De harde schijven kunnen dusdanig geconfigureerd worden dat ze na een bepaalde tijd worden afgesloten als ze niet worden gebruikt. Hierdoor wordt energie bespaard en de levensduur van de harde schijf verhoogd. Deze optie is standaard gedeactiveerd.

Activeer/deactiveer het Power Management met Enable/Disable. Selecteer vervolgens de tijd in het Pull-Down-menu waarna de harde schijf in de ruststand gezet moet worden. U kunt de volgende instellingen selecteren:

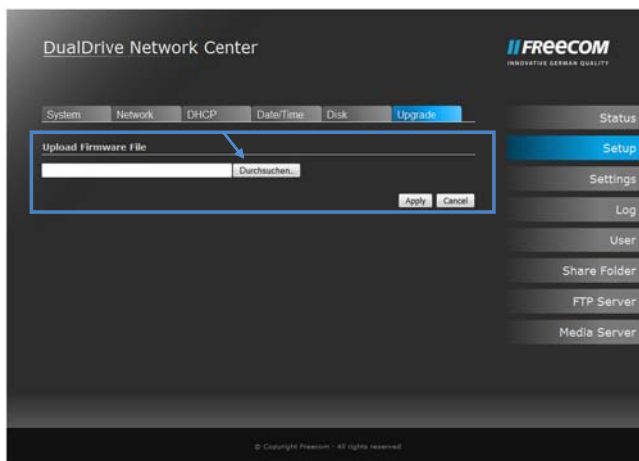
- 10 min
- 20 min
- 30 min
- 60 min
- 120 min

Update van de firmware

Ga naar Setup -> Upgrade

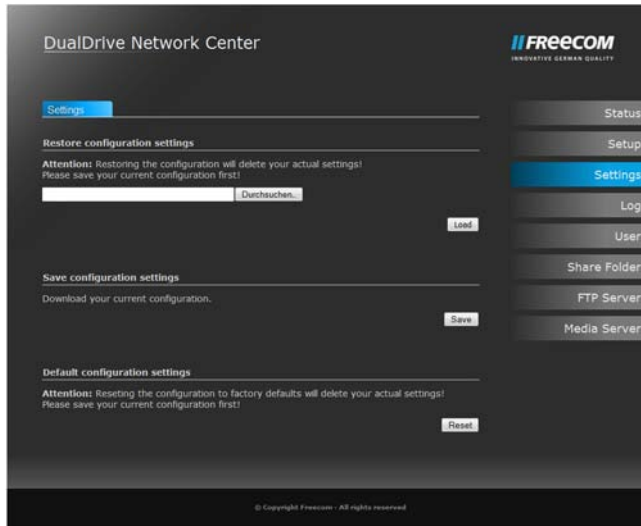
Upgrade

Klik op "Doorzoeken" en selecteer het gedownloade bestand van <http://www.freecom.com>. Klik op "Apply" om de nieuwe firmware te installeren. Het apparaat wordt vervolgens opnieuw gestart.



De nieuwe firmware herstelt normaal gesproken fouten en breidt de functies van uw Dual Drive Network Center uit. Ga naar <http://www.freecom.com> en controleer of nieuwe aanpassingen van de firmware beschikbaar zijn.

Settings



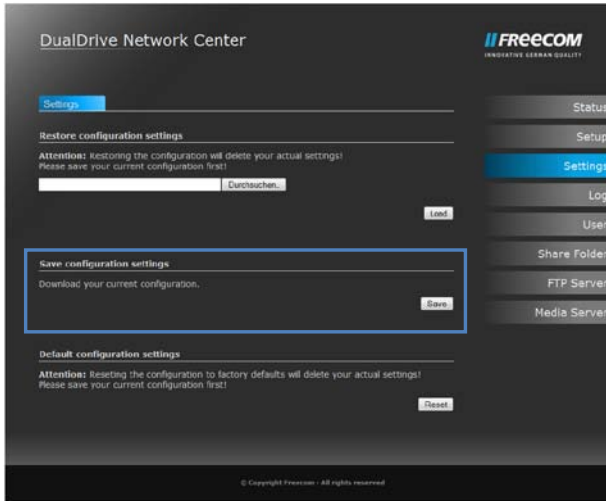
Met "Settings" is het laden, het opslaan en het terugzetten van configuratie-instellingen mogelijk.

Configuratie opslaan

In dit menu kunt u het actuele configuratiebestand opslaan op uw pc. Na het klikken op "Save" wordt de naam van het configuratiebestand gegenereerd. Klik vervolgens op de naam van het bestand om deze op te slaan.

Configuratie herstellen

Klik op "Doorzoeken", selecteer het eerder opgeslagen Bin-bestand en klik op "Load" om uw opgeslagen instellingen te herstellen.

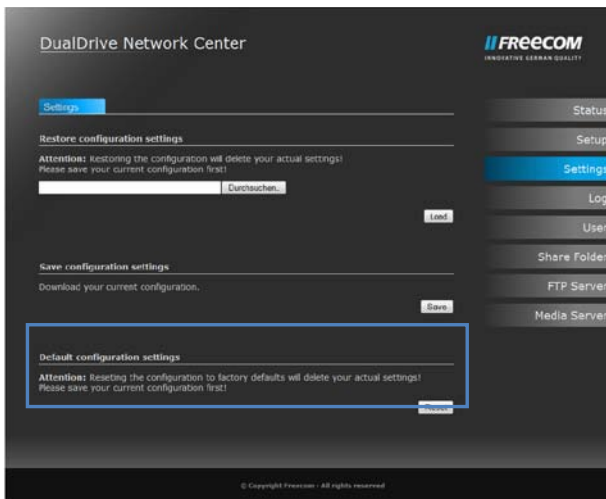


Terugzetten naar fabrieksinstellingen

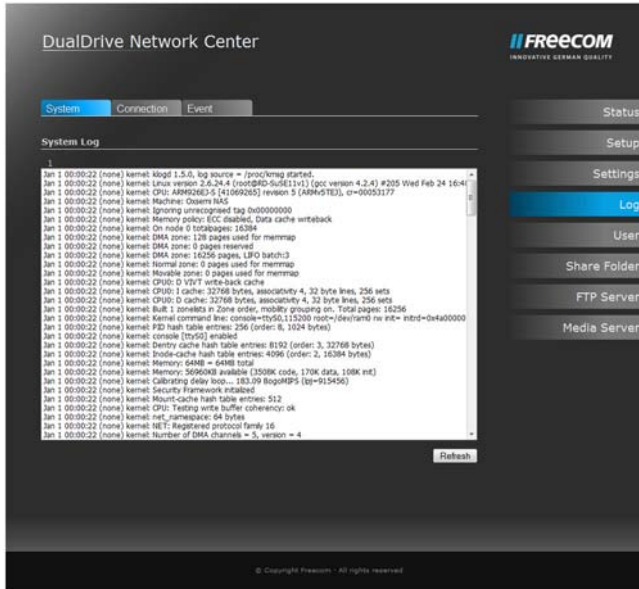
Klik op "Reset" om het apparaat terug te zetten naar de fabrieksinstellingen.



Let op: alle aangepaste instellingen gaan verloren.



Log

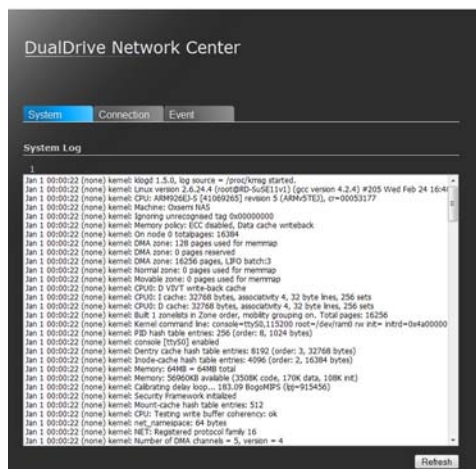


Onder "Log" krijgt u een overzicht van de systeemprocedures.

System Log – overzicht van de Kernel Log

Ga naar Log -> System

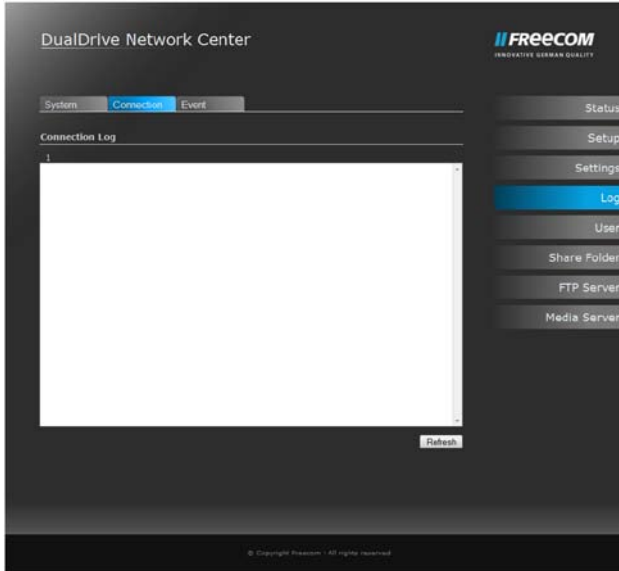
In de Kernel Log worden alle gebeurtenissen met betrekking tot de kernel getoond.



Connection Log - verbindingslog

Ga naar Log -> Connection

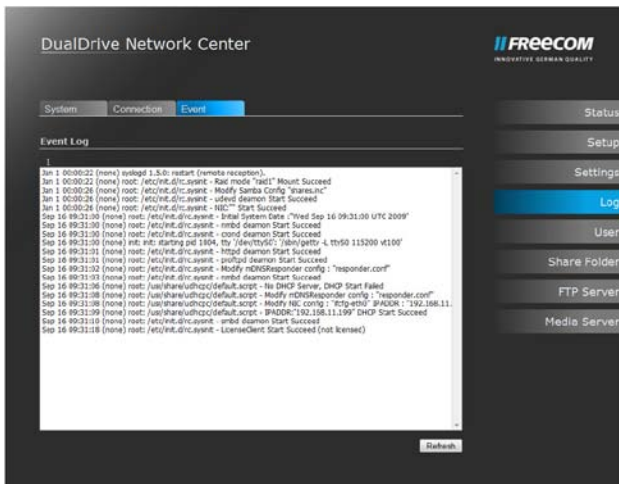
In de Connection Log worden alle FTP Connection verbindingsgebeurtenissen getoond.



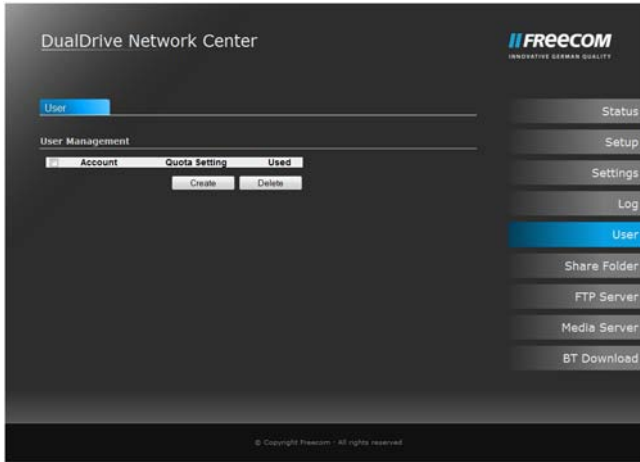
Event Log - overzicht van de Event Log

Ga naar Log -> Event

In de Event Log worden alle servicegebeurtenissen (bijv. Samba) getoond.



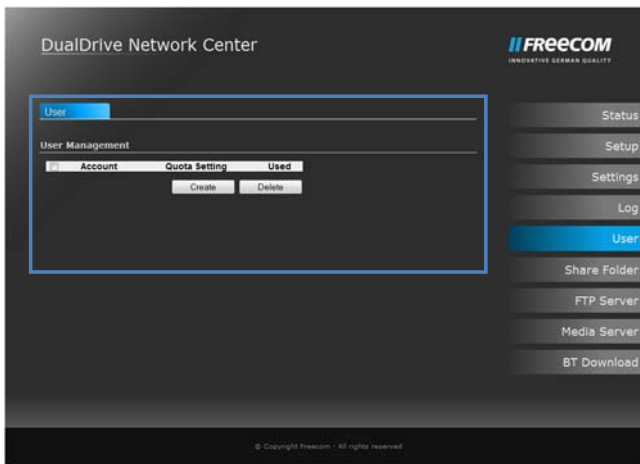
User (gebruikersbeheer)



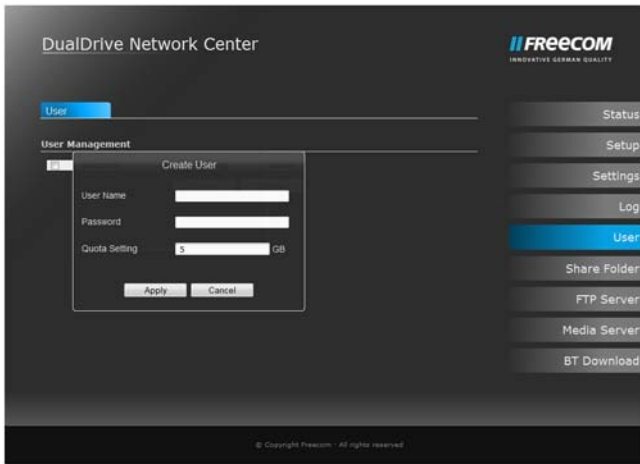
Onder "User" krijgt u een overzicht van alle gebruikersaccounts en de gebruikte opslagcapaciteit. Daarnaast hebt u hier de mogelijkheid om nieuwe gebruikers toe te voegen.

User creëren

Klik op "Create" om een nieuwe gebruiker te creëren.



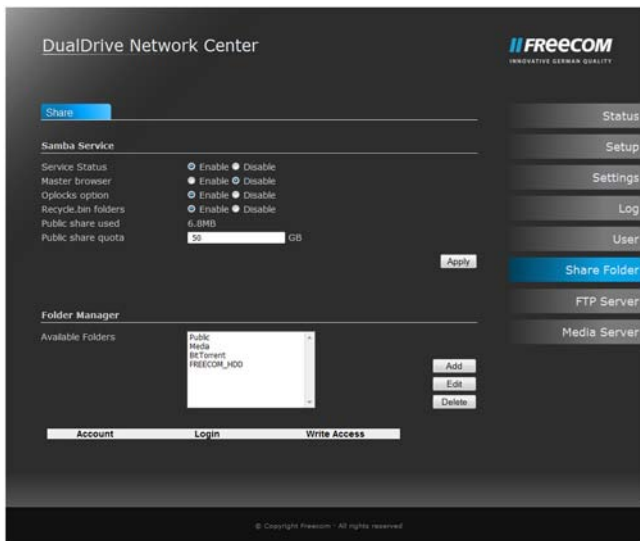
Er verschijnt een pop-up waarin u de gebruikersnaam, het wachtwoord en de geheugenplaats kunt toewijzen.



Mappen vrijgeven

In "Mappen vrijgeven" hebt u de mogelijkheid om verschillende diensten te activeren ("Enable") c.q. te deactiveren ("Disable") alsmede de grootte van de publieke (Public) mappen vast te leggen.

Daarnaast wordt het gebruik van de publieke mappen getoond en kunt u de mappen beheren.



De volgende diensten zijn beschikbaar:

Service Status

Activeert c.q. deactiveert de SMB-functie.

Master Browser

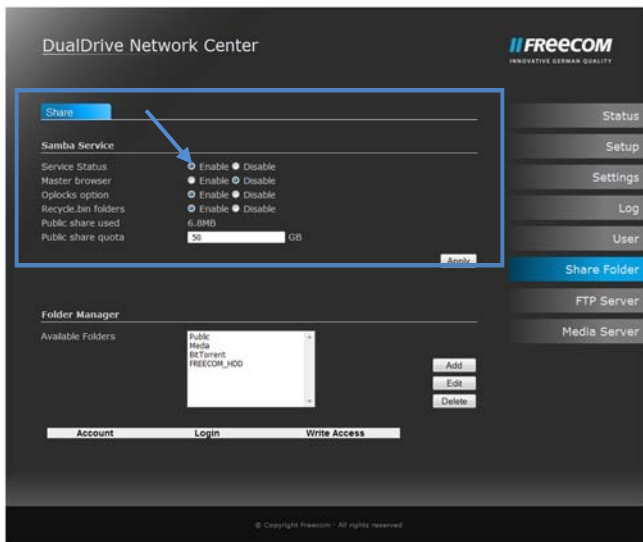
De Master Browser beheert alle computernamen in het netwerk. In Windows-netwerken wordt de Master Browser door Windows beschikbaar gesteld. Normaal gesproken is het activeren van de Master Browser niet nodig.

Oplock Option

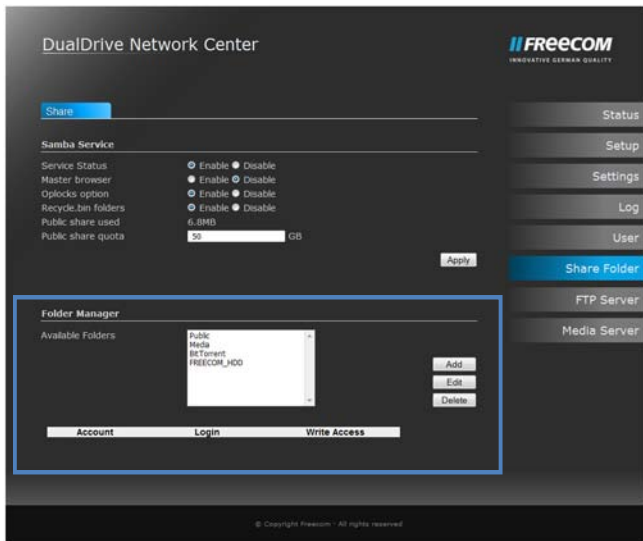
Oplock ("Opportunistic locking") is een blokkeermechanisme in het SMB-protocol dat ontwikkeld werd om door het gecontroleerde catching van bestanden de performance te verbeteren.

Recycle.bin folders

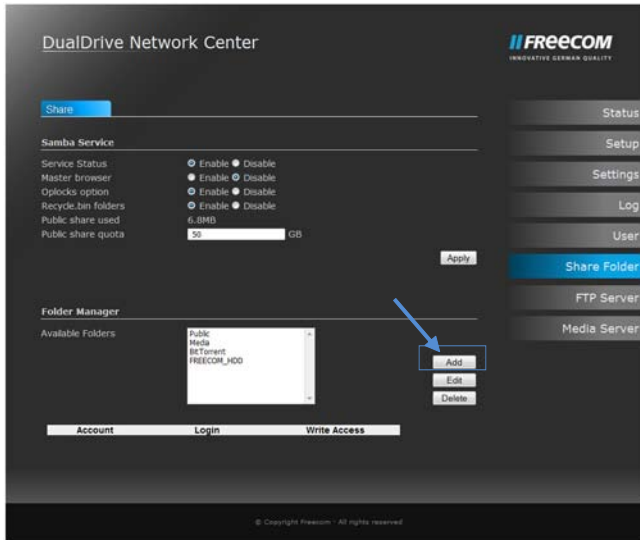
Recycle.bin folders in SMB-vrijgaven worden gecreëerd c.q. niet gecreëerd.



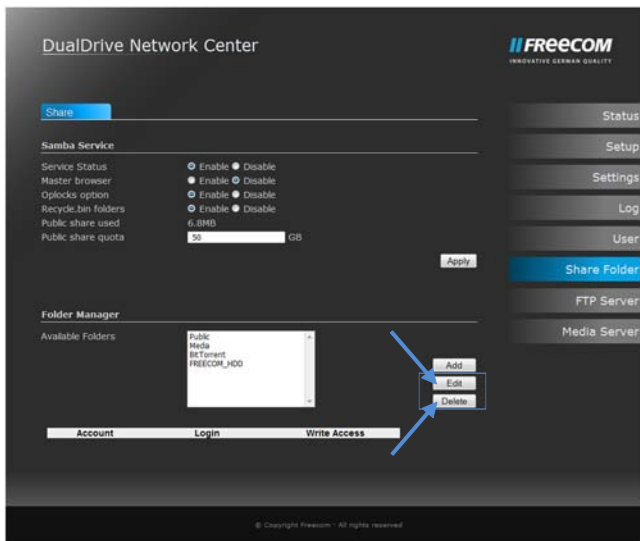
In de Folder Manager kunt u nieuwe mappen toevoegen, mappen bewerken of wissen.



Klik op "Add" om een nieuwe map te creëren. Selecteer vervolgens het toegangsrecht en klik op "Apply" om de wijziging op te slaan.

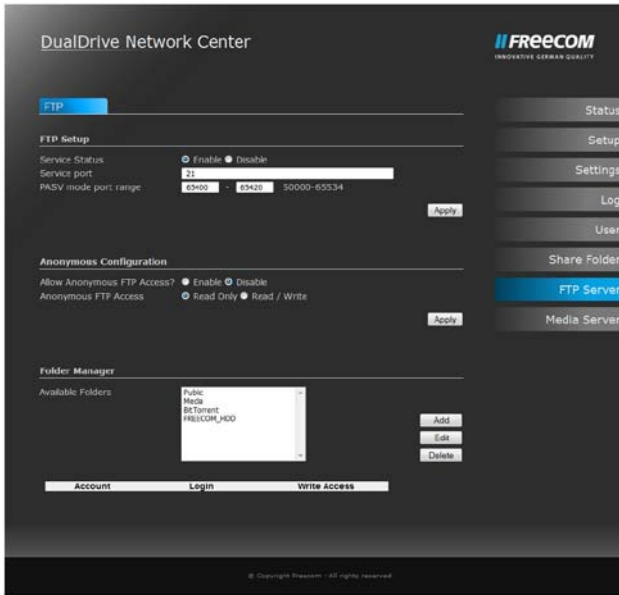


Als u op "Edit" c.q. "Delete" klikt, kunt u de gecreëerde mappen bewerken c.q. wissen.



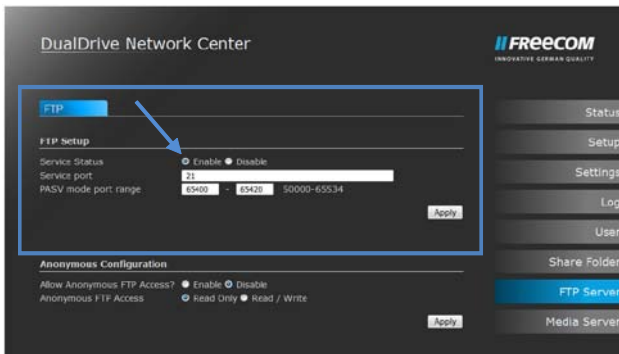
FTP Server

Onder "FTP" hebt u de mogelijkheid om een FTP-server in te richten en te beheren.



FTP Setup

Onder FTP Setup kunt u de FTP-server activeren ("Enable") en deactiveren ("Disable"), de service-poort toewijzen en de passieve Mode Port Range voor de FTP-server instellen.

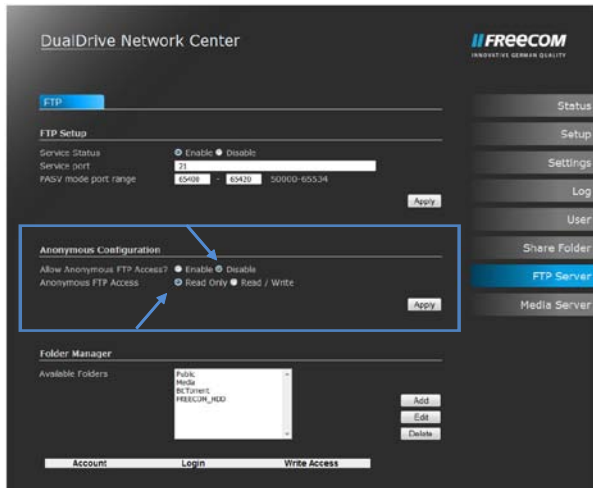


Anonymous Configuration

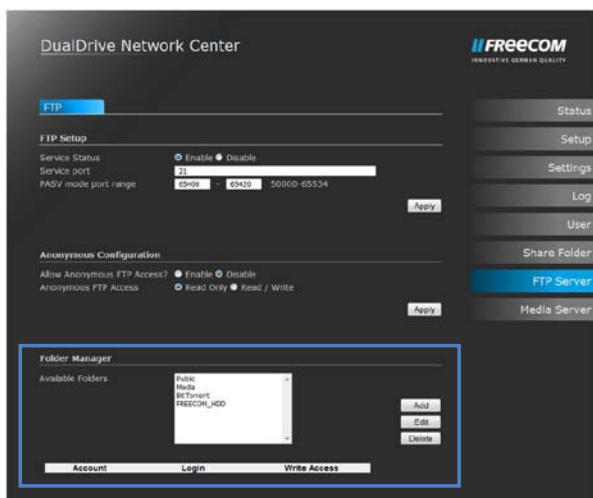
Onder "Anonymous Configuration" kunt u de FTP-toegang voor anonieme gebruikers toestaan ("Enable") c.q. weigeren ("Disable"). Daarnaast kunt u vastleggen of anonieme gebruikers lees- en schrijfrechten hebben of alleen leesrechten op uw FTP-server hebben.

Klik op "Apply" om de wijzigingen op te slaan.

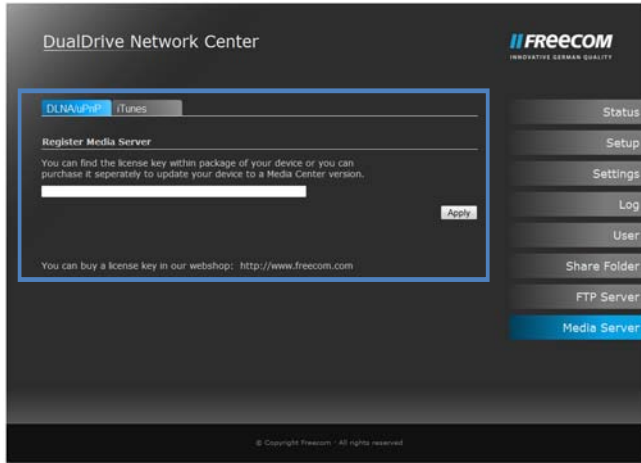
Anonieme gebruikers kunnen inloggen met het de gebruikersnaam anonymous en gebruiken een e-mailadres als wachtwoord.



Onder "Folder Manager" kunt u de map voor uw FTP-server vrijgeven, toevoegen, bewerken of wissen.



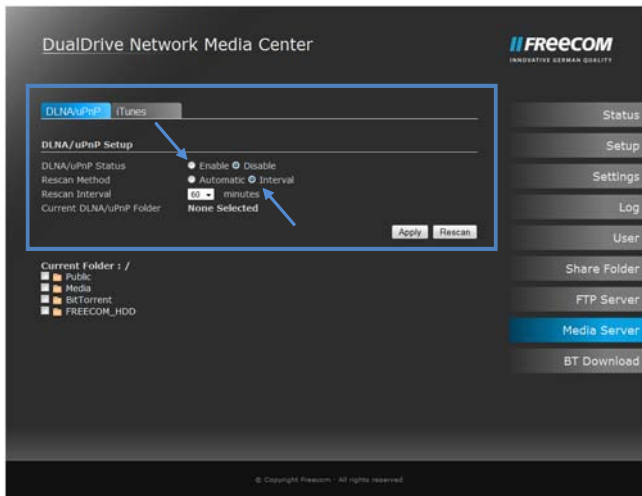
Media Server



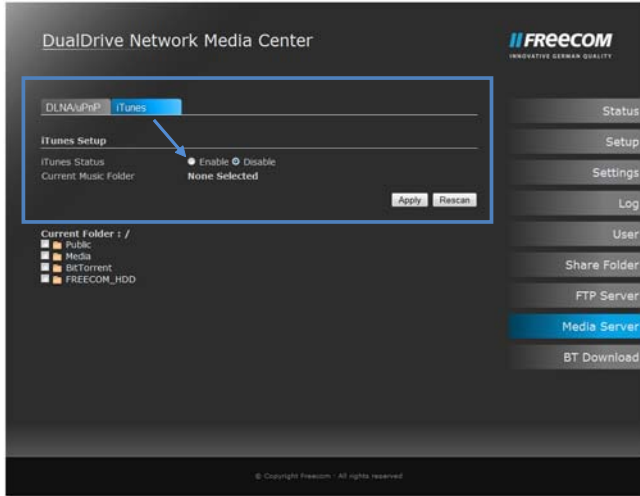
Onder "Media Server" hebt u na het invoeren van de License Key de mogelijkheid om het apparaat te gebruiken als Media Server alsmede de BitTorrent Client van het apparaat te gebruiken.

DLNA/uPnP

Na het invoeren van de sleutel kunt u de DLNA/uPnP dienst gebruiken en configureren. Klik op "Enable" om de dienst te activeren. Selecteer vervolgens de scanmethode. Voor "Interval" dient u onder "Rescan Interval" de intervaltijd te selecteren. Selecteer een of meerdere mappen met multimediabestanden en klik op "Apply" om de wijzigingen op te slaan.

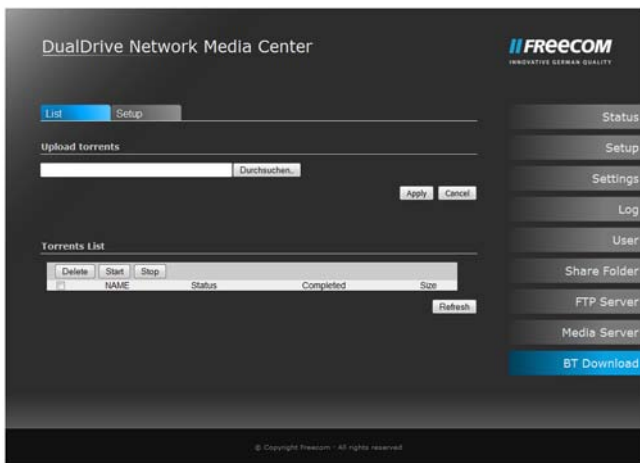


iTunes



Klik op "Enable" om de dienst te activeren. Selecteer een of meerdere mappen met multimediate bestanden en klik op "Apply" om de wijzigingen op te slaan. Uw vrijgegeven media moeten zich in de submappen van de vrijgegeven mappen bevinden.

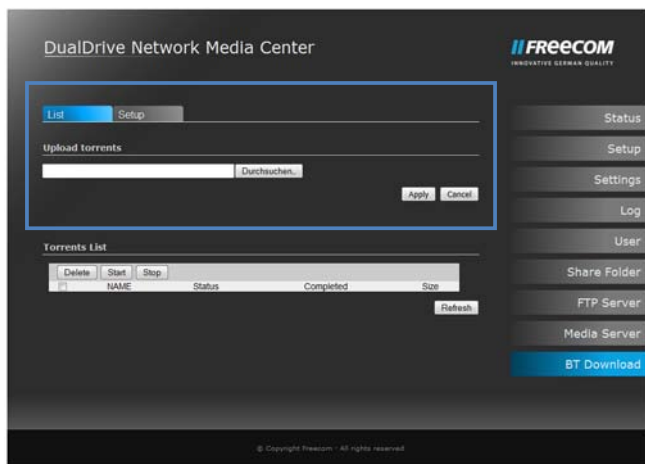
BT Download



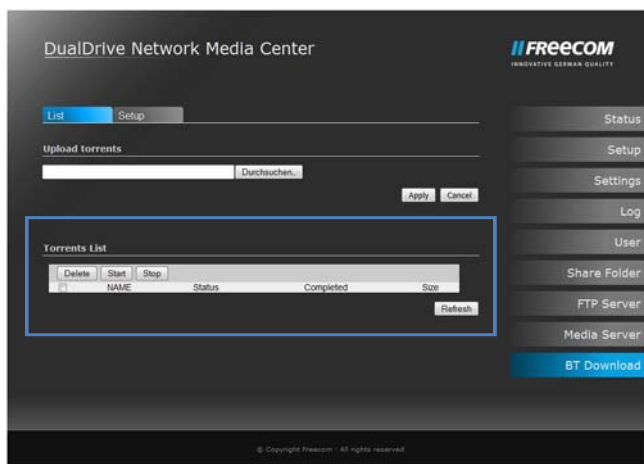
Onder BT Download bevindt zich de BitTorrent Client van het apparaat. Hier kunt u BitTorrent-bestanden toevoegen en downloaden.

List

Onder "List kunt u torrentbestanden toevoegen. Hiervoor dient u bij "Upload torrents" op "Doorzoeken" te klikken. Klik vervolgens op "Apply" om de wijzigingen op te slaan.



Onder "Torrent List" krijgt u een overzicht van de torrentbestanden in de BitTorrent Client die actueel gedownload worden. Klik op "Refresh" om het overzicht te actualiseren.



Hoofdstuk: De Freecom Network Storage Assistant

Functies van de Freecom Network Storage Assistant (PC)

De Freecom Network Storage Assistant helpt u om elke Dual Drive Network Center in uw netwerk te vinden. Hij toont u alle in het netwerk beschikbare Dual Drive Network Center's en helpt u bij het maken van netwerkmappen. Alle functies van de Freecom Network Storage Assistant kunnen ook handmatig worden uitgevoerd.



Het reeds ingestelde wachtwoord en de aanmelding voor de Dual Drive Network Center zijn:

Aanmeldnaam: admin
Wachtwoord: admin

Algemene instellingen van uw Dual Drive Network Center configureren

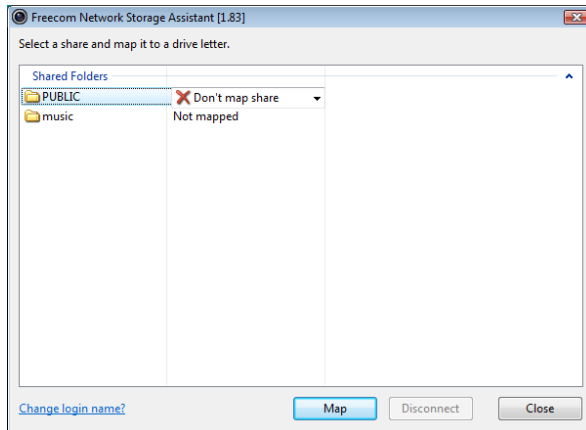
In dit menu kunt u aan uw Dual Drive Network Center een IP-adres, een subnetmasker, een apparaatnaam en een werkgroepnaam toewijzen. Met deze informatie kunt u het Dual Drive Network Center eenvoudig in uw netwerk vinden. U moet uw administratorwachtwoord invoeren om wijzigingen te kunnen uitvoeren.

Toegang tot de webinterface van uw Dual Drive Network Center

Door klikken op dit menupunt wordt de webinterface van uw Dual Drive Network Center in uw standaardbrowser geopend.

Netwerkstations toevoegen en verwijderen

In dit menu kunt u aan mappen op uw Dual Drive Network Center een stationletter toewijzen. Zo kunnen mappen onder Windows sneller worden gevonden.



Recovery procedure starten

Deze procedure kan een Dual Drive Network Center repareren en terugzetten in de standaard fabrieksinstellingen als u geen toegang meer heeft op de Dual Drive Network Center. Uw gebruikersgegevens worden niet gewist!

Voer de volgende stappen uit voor het herstellen:

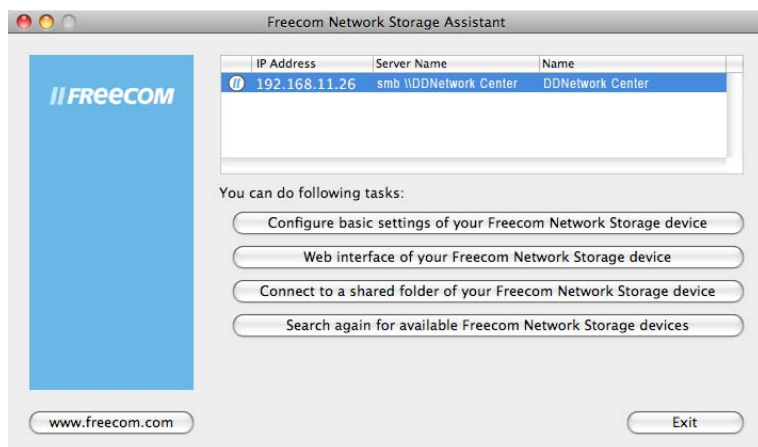
- Activeer de modus herstellen door in de Freecom Network Storage Assistant op "Starten van herstellen" te klikken.
- Schakel het Dual Drive Network Center uit.
- Klik met een scherp voorwerp voorzichtig op de "Reset" toets. De "Reset" toets bevindt zich naast de aansluiting voor het AC-voedingsapparaat aan de achterkant van de Dual Drive Network Center.
- Houd de "Reset"-toets ingedrukt en schakel het apparaat weer in.
- Wacht tot de witte LED uitgaat (na ca. 1 seconde) en laat de "Reset"-toets weer los.

Zoeken naar beschikbare Dual Drive Network Center herhalen

Klik hier om opnieuw naar uw Dual Drive Network Center te zoeken als deze niet werd gevonden. Controleer of u uw netwerk zoals hierboven beschreven heeft ingericht en of alle kabels goed zijn aangesloten.

Functies van de Freecom Network Storage Assistant (Mac)

De Freecom Network Storage Assistant helpt u om elke Dual Drive Network Center in uw netwerk te vinden. Hij toont u alle in het netwerk beschikbare Dual Drive Network Center's en helpt u bij de configuratie van de Dual Drive Network Center en de het maken van netwerkmappen. Alle functies van de Freecom Network Storage Assistant kunnen ook handmatig worden uitgevoerd.



Het reeds ingestelde wachtwoord en de aanmelding voor de Dual Drive Network Center zijn:

Aanmeldnaam: admin

Wachtwoord: admin

Algemene instellingen van uw Dual Drive Network Center configureren

In dit menu kunt u aan uw Dual Drive Network Center een IP-adres, een subnetmasker, een apparaatnaam en een werkgroepnaam toe wijzen. Met deze informatie kunt u het Dual Drive Network Center eenvoudig in uw netwerk vinden. U moet uw administratorwachtwoord invoeren om wijzigingen te kunnen uitvoeren.

Webpagina van de Freecom Network Storage Apparaat

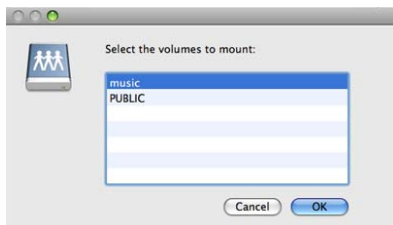
Door klikken op dit menupunt wordt de webinterface van uw Dual Drive Network Center in uw standaardbrowser geopend.

Sluit op de vrijgegeven Directory

In dit scherm kunt u iedere map van uw Dual Drive Network Center mounten op uw Mac. Zo kunnen mappen sneller worden gevonden.



Mac OS X 10.4



Mac OS X 10.5

Zoeken naar beschikbare Dual Drive Network Center herhalen

Klik hier om opnieuw naar uw Dual Drive Network Center te zoeken als deze niet werd gevonden. Controleer of u uw netwerk zoals hierboven beschreven heeft ingericht en of alle kabels goed zijn aangesloten.

U heeft een Freecom product aangeschaft, waarvoor hartelijk dank. We hopen dat u er met plezier gebruik van zult maken.

Om u eventuele ongemakken te besparen, raden wij u aan eerst de „quick install“ gids te lezen en ook het instructieboekje en eventueel andere toegevoegde elektronische of gedrukte handleidingen. Graag verwijzen we u naar onze website (www.freecom.com), waar we een database hebben met veel voorkomende vragen onder FAQ (Frequently Asked Questions). Gelieve deze site te raadplegen alvorens onze helpdesk te bellen.

Uw garantie

Voor alle Freecom producten geldt dat u onbeperkte technische steun ontvangt per telefoon of via Internet. De waarborg houdt in dat Freecom gedurende een hieronder aangegeven periode, beginnend bij de officiële datum van aanschaf, garantie verleent tegen materiaal- en fabricagefouten. Indien, gedurende deze periode, een defect in het product optreedt als gevolg van ondeugdelijk materiaal of van een fabricagefout, zal Freecom, zonder kosten te berekenen voor werk of onderdelen, op basis van eigen oordeel, het product of de defecte onderdelen repareren of vervangen. Hiervoor gelden overigens de hieronder aangegeven voorwaarden.

Voorwaarden

De garantie geldt uitsluitend indien de originele rekening of de verkoopbon (waarop de datum van aanschaf, het productienummer en het serienummer zijn vermeld) samen met het defecte product wordt terug gestuurd en ook een RMA-nummer wordt vermeld, dat u kunt verkrijgen via de Freecom website of via een Freecom Service Center. Freecom behoudt zich het recht voor de gratis garantie te weigeren indien voor de datum van aankoop geen bewijs kan worden geleverd. De garantie geldt niet wanneer een RMA-nummer ontbreekt en wanneer het serienummer is veranderd, is verwijderd of onleesbaar is gemaakt.

De garantie dekt uitsluitend de onderdelen die geleverd zijn, samen met en in de verpakking van het product. De garantie dekt geen enkele van de volgende zaken: (a) verbruiksgoederen die met het product zijn meegeleverd, media zoals diskettes of batterijen; (b) schade of verlies van software programma's, van gegevens of van media voor removabele opslag; (c) schade, welke dan ook, die het gevolg is van aanpassingen of veranderingen van het product, die zijn uitgevoerd zonder voorafgaande schriftelijke toestemming van Freecom; (d) reparatiepogingen uitgevoerd door een niet door Freecom erkende reparateur en (e) ongevallen, schade door bliksem, vuur- en waterschade of andere schades van een dergelijk karakter, die zijn ontstaan buiten elke verantwoordelijkheid van Freecom.

Freecom aanvaardt geen aansprakelijkheid voor schade aan of verlies van programma's, gegevens of welke opgeslagen media dan ook, ontstaan tijdens of ten gevolge van de service die door Freecom aan het product is gegeven.

Freecom is niet aansprakelijk voor productieverlies en/of winstderving ten gevolge van een storing of het uitvallen van het systeem. Wij raden u aan er voor te zorgen dat alle onderdelen die niet door onze garantie worden gedekt, zijn verwijderd voordat u het product aan Freecom terugzendt. Freecom aanvaardt geen aansprakelijkheid voor verlies van of schade aan dergelijke onderdelen. Indien tijdens de reparatie van het product de gegevens op de harde schijf worden gewijzigd of gewist, kan Freecom hiervoor op geen enkele wijze aansprakelijk worden gesteld.

Reparatie en vervanging geschiedt op basis van uitruil.

De vervangen producten of de onderdelen zullen nieuw zijn of hersteld en gelijkwaardig aan nieuw. Alle vervangen onderdelen en producten worden direct eigendom van Freecom. De garantieperiode van elk vervangen product of onderdeel, zal gelijk zijn aan het resterende deel van de originele garantieperiode.

Voor reparaties of vervanging van producten of onderdelen, uitgevoerd na het verstrijken van de garantieperiode, geldt een nieuwe garantie van **6 (zes)** maanden.

Licensing Information

This **Freecom product DDNC** includes copyrighted third-party software licensed under the terms of the GNU General Public License. Please see The GNU General Public License for the exact terms and conditions of this license.

Specially, the following parts of this product are subject to the GNU GPL:

U-Boot: version 1.1.2	GPLv2
Linux Kernel version: 2.6.24.4	GPLv2
BusyBox version: 1.10.3	GPLv2
Samba version: 3.0.25	GPLv2
Xfsprogs version: 2.7.11	LGPLv2.1
howl version: 1.0.0	Porchdog Software License
mt-daapd version: 0.2.4.2	GPLv2
djmount version: 0.71	GPLv2
Dropbear version: 0.51	MIT
mtd version: 1.1.0	GPLv2
mdadm version: 2.6.4	GPLv2
ntfs-3g version 2009.4.4	GPLv2
ProFTPD version: 1.3.1	GPLv2
Smartmontools version: 5.33	GPLv2
Udevd version: 115	GPLv2
uShare version: 1.1a	GPLv2
openssl version: 0.9.7e	OpenSSL License/Original SSLeay License
efsprogs version: 1.41.3	GPLv2 / LibGPLv2
libid3tag version: 0.15.1b	GPLv2
coreutils version: 6.9	GPLv2
findutils version: 4.2.31	GPLv2
logrotate version: 3.7.8	GPLv2
LPRng version: 3.8.33	GPLv2
sysklogd version: 1.5	GPLv2
ffmpeg-checkout version: 2009-02-17	GPLv2/LGPLv2.1
fuse version: 2.6.1	GPLv2
gettext version: 0.16.1	GPLv2
libltdl version: 0.2.3	LGPLv2.1
libupnp version: 1.6.6	Intel Copyright

All listed software packages are copyright by their respective authors. Please see the source code for detailed information. Source code and tool chain can be found at <http://gpl.freecom.com>

Availability of source code

Freecom has exposed the full source code of the GPL licensed software, including any scripts to control compilation and installation of the object code. All future firmware updates will also be accompanied with their respective source code. For more information on how you can obtain our open source code, please visit our web site.

License texts

GPLv2 License text

The LGPLv2.1 License text

GNU Library GPLv2

The MIT license text

OpenSSL License

Original SSLeay License

Porchdog Software License

Intel Copyright

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The „Program“, below, refers to any such program or work, and a „work based on the Program“ means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term „modification“.) Each licensee is addressed as „you“.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
 - a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not

impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances. It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and „any later version“, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM „AS IS“ WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the „copyright“ line and a pointer to where the full notice is found.

1. April 1989

Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages typically libraries of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the „Lesser“ General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to

free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a „work based on the library“ and a „work that uses the library“. The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called „this License“). Each licensee is addressed as „you“.

A „library“ means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The „Library“, below, refers to any such software library or work which has been distributed under these terms. A „work based on the Library“ means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term „modification“.)

„Source code“ for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a „work that uses the Library“. Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a „work that uses the Library“ with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a „work that uses the library“. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a „work that uses the Library“ uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a „work that uses the Library“ with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer’s own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including

whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable „work that uses the Library“, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the „work that uses the Library“ must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

- 7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
 - a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
 - b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
- 8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
- 9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
- 10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.
- 11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is

intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and „any later version“, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY „AS IS“ WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

GNU LIBRARY GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a „work based on the library“ and a „work that uses the library“. The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called „this License“). Each licensee is addressed as „you“.

A „library“ means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The „Library“, below, refers to any such software library or work which has been distributed under these terms. A „work based on the Library“ means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term „modification“.)

„Source code“ for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a „work that uses the Library“. Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a „work that uses the Library“ with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a „work that uses the library“. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a „work that uses the Library“ uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a „work that uses the Library“ with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable „work that uses the Library“, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the „work that uses the Library“ must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
 - a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
 - b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances. It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and „any later version“, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY „AS IS“ WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

The MIT License

Copyright (c)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the „Software“), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED „AS IS“, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Original SSLeay License

Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
All rights reserved.

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com).

The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are adhered to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed.

If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used.

This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: „This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)“ The word ‚cryptographic‘ can be left out if the routines from the library being used are not cryptographic related :-).
4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: „This product includes software written by Tim Hudson (tjh@cryptsoft.com)“

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS“ AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

Copyright (c) 2003, 2004 Porchdog Software

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS „AS IS“ AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions of Howl are covered under the Apple Public Source License (APSL).

Please read this License carefully before downloading this software. By downloading or using this software, you are agreeing to be bound by the terms of this License. If you do not or cannot agree to the terms of this License, please do not download or use the software.

1. General; Definitions. This License applies to any program or other work which Apple Computer, Inc. („Apple“) makes publicly available and which contains a notice placed by Apple identifying such program or work as „Original Code“ and stating that it is subject to the terms of this Apple Public Source License version 2.0 („License“). As used in this License:
 - 1.1 „Applicable Patent Rights“ mean: (a) in the case where Apple is the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to Apple and (ii) that cover subject matter contained in the Original Code, but only to the extent necessary to use, reproduce and/or distribute the Original Code without infringement; and (b) in the case where You are the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to You and (ii) that cover subject matter in Your Modifications, taken alone or in combination with Original Code.
 - 1.2 „Contributor“ means any person or entity that creates or contributes to the creation of Modifications.
 - 1.3 „Covered Code“ means the Original Code, Modifications, the combination of Original Code and any Modifications, and/or any respective portions thereof.
 - 1.4 „Externally Deploy“ means: (a) to sublicense, distribute or otherwise make Covered Code available, directly or indirectly, to anyone other than You; and/or (b) to use Covered Code, alone or as part of a Larger Work, in any way to provide a service, including but not limited to delivery of content, through electronic communication with a client other than You.
 - 1.5 „Larger Work“ means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.
 - 1.6 „Modifications“ mean any addition to, deletion from, and/or change to, the substance and/or structure of the Original Code, any previous Modifications, the combination of Original Code and any previous Modifications, and/or any respective portions thereof. When code is released as a series of files, a Modification is: (a) any addition to or deletion from the contents of a file containing Covered Code; and/or (b) any new file or other representation of computer program statements that contains any part of Covered Code.
 - 1.7 „Original Code“ means (a) the Source Code of a program or other work as originally made available by Apple under this License, including the Source Code of any updates or upgrades to such programs or works made available by Apple under this License, and that has been expressly identified by Apple as such in the header file(s) of such work; and (b) the object code compiled from such Source Code and originally made available by Apple under this License.
 - 1.8 „Source Code“ means the human readable form of a program or other work that is suitable for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an executable (object code).

- 1.9 „You“ or „Your“ means an individual or a legal entity exercising rights under this License. For legal entities, „You“ or „Your“ includes any entity which controls, is controlled by, or is under common control with, You, where „control“ means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.
2. Permitted Uses; Conditions & Restrictions. Subject to the terms and conditions of this License, Apple hereby grants You, effective on the date You accept this License and download the Original Code, a world-wide, royalty-free, non-exclusive license, to the extent of Apple's Applicable Patent Rights and copyrights covering the Original Code, to do the following:
- 2.1 Unmodified Code. You may use, reproduce, display, perform, internally distribute within Your organization, and Externally Deploy verbatim, unmodified copies of the Original Code, for commercial or non-commercial purposes, provided that in each instance:
- (a) You must retain and reproduce in all copies of Original Code the copyright and other proprietary notices and disclaimers of Apple as they appear in the Original Code, and keep intact all notices in the Original Code that refer to this License; and
 - (b) You must include a copy of this License with every copy of Source Code of Covered Code and documentation You distribute or Externally Deploy, and You may not offer or impose any terms on such Source Code that alter or restrict this License or the recipients' rights hereunder, except as permitted under Section 6.
- 2.2 Modified Code. You may modify Covered Code and use, reproduce, display, perform, internally distribute within Your organization, and Externally Deploy Your Modifications and Covered Code, for commercial or non-commercial purposes, provided that in each instance You also meet all of these conditions:
- (a) You must satisfy all the conditions of Section 2.1 with respect to the Source Code of the Covered Code;
 - (b) You must duplicate, to the extent it does not already exist, the notice in Exhibit A in each file of the Source Code of all Your Modifications, and cause the modified files to carry prominent notices stating that You changed the files and the date of any change; and
 - (c) If You Externally Deploy Your Modifications, You must make Source Code of all Your Externally Deployed Modifications either available to those to whom You have Externally Deployed Your Modifications, or publicly available. Source Code of Your Externally Deployed Modifications must be released under the terms set forth in this License, including the license grants set forth in Section 3 below, for as long as you Externally Deploy the Covered Code or twelve (12) months from the date of initial External Deployment, whichever is longer. You should preferably distribute the Source Code of Your Externally Deployed Modifications electronically (e.g. download from a web site).
- 2.3 Distribution of Executable Versions. In addition, if You Externally Deploy Covered Code (Original Code and/or Modifications) in object code, executable form only, You must include a prominent notice, in the code itself as well as in related documentation, stating that Source Code of the Covered Code is available under the terms of this License with information on how and where to obtain such Source Code.
- 2.4 Third Party Rights. You expressly acknowledge and agree that although Apple and each Contributor grants the licenses to their respective portions of the Covered Code set forth herein, no assurances are provided by Apple or any Contributor that the Covered Code does not infringe the patent or other intellectual property rights of any other entity. Apple and each Contributor disclaim any liability to You for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, You hereby assume sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow You to distribute the Covered Code, it is Your responsibility to acquire that license before distributing the Covered Code.
3. Your Grants. In consideration of, and as a condition to, the licenses granted to You under this License, You hereby grant to any person or entity receiving or distributing Covered Code under this License a non-exclusive, royalty-free, perpetual, irrevocable license, under Your Applicable Patent Rights and other intellectual property rights (other than patent) owned or controlled by You, to use, reproduce, display, perform, modify, sublicense, distribute and Externally Deploy Your Modifications of the same scope and extent as Apple's licenses under Sections 2.1 and 2.2 above.
4. Larger Works. You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In each such instance, You must make sure the requirements of this License are fulfilled for the Covered Code or any portion thereof.
5. Limitations on Patent License. Except as expressly stated in Section 2, no other patent rights, express or implied, are granted by Apple herein. Modifications and/or Larger Works may require additional patent licenses from Apple which Apple may grant in its sole discretion.

6. **Additional Terms.** You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations and/or other rights consistent with the scope of the license granted herein („Additional Terms“) to one or more recipients of Covered Code. However, You may do so only on Your own behalf and as Your sole responsibility, and not on behalf of Apple or any Contributor. You must obtain the recipient's agreement that any such Additional Terms are offered by You alone, and You hereby agree to indemnify, defend and hold Apple and every Contributor harmless for any liability incurred by or claims asserted against Apple or such Contributor by reason of any such Additional Terms.
7. **Versions of the License.** Apple may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Once Original Code has been published under a particular version of this License, You may continue to use it under the terms of that version. You may also choose to use such Original Code under the terms of any subsequent version of this License published by Apple. No one other than Apple has the right to modify the terms applicable to Covered Code created under this License.
8. **NO WARRANTY OR SUPPORT.** The Covered Code may contain in whole or in part pre-release, untested, or not fully tested works. The Covered Code may contain errors that could cause failures or loss of data, and may be incomplete or contain inaccuracies. You expressly acknowledge and agree that use of the Covered Code, or any portion thereof, is at Your sole and entire risk. THE COVERED CODE IS PROVIDED „AS IS“ AND WITHOUT WARRANTY, UPGRADES OR SUPPORT OF ANY KIND AND APPLE AND APPLE'S LICENSOR(S) (COLLECTIVELY REFERRED TO AS „APPLE“ FOR THE PURPOSES OF SECTIONS 8 AND 9) AND ALL CONTRIBUTORS EXPRESSLY DISCLAIM ALL WARRANTIES AND/OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY, OF SATISFACTORY QUALITY, OF FITNESS FOR A PARTICULAR PURPOSE, OF ACCURACY, OF QUIET ENJOYMENT, AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. APPLE AND EACH CONTRIBUTOR DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE COVERED CODE, THAT THE FUNCTIONS CONTAINED IN THE COVERED CODE WILL MEET YOUR REQUIREMENTS, THAT THE OPERATION OF THE COVERED CODE WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE COVERED CODE WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY APPLE, AN APPLE AUTHORIZED REPRESENTATIVE OR ANY CONTRIBUTOR SHALL CREATE A WARRANTY. You acknowledge that the Covered Code is not intended for use in the operation of nuclear facilities, aircraft navigation, communication systems, or air traffic control machines in which case the failure of the Covered Code could lead to death, personal injury, or severe physical or environmental damage.
9. **LIMITATION OF LIABILITY.** TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT SHALL APPLE OR ANY CONTRIBUTOR BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO THIS LICENSE OR YOUR USE OR INABILITY TO USE THE COVERED CODE, OR ANY PORTION THEREOF, WHETHER UNDER A THEORY OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCTS LIABILITY OR OTHERWISE, EVEN IF APPLE OR SUCH CONTRIBUTOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF LIABILITY OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION MAY NOT APPLY TO YOU. In no event shall Apple's total liability to You for all damages (other than as may be required by applicable law) under this License exceed the amount of fifty dollars (\$50.00).
10. **Trademarks.** This License does not grant any rights to use the trademarks or trade names „Apple“, „Apple Computer“, „Mac“, „Mac OS“, „QuickTime“, „QuickTime Streaming Server“ or any other trademarks, service marks, logos or trade names belonging to Apple (collectively „Apple Marks“) or to any trademark, service mark, logo or trade name belonging to any Contributor. You agree not to use any Apple Marks in or as part of the name of products derived from the Original Code or to endorse or promote products derived from the Original Code other than as expressly permitted by and in strict compliance at all times with Apple's third party trademark usage guidelines which are posted at <http://www.apple.com/legal/guidelinesfor3rdparties.html>.
11. **Ownership.** Subject to the licenses granted under this License, each Contributor retains all rights, title and interest in and to any Modifications made by such Contributor. Apple retains all rights, title and interest in and to the Original Code and any Modifications made by or on behalf of Apple („Apple Modifications“), and such Apple Modifications will not be automatically subject to this License. Apple may, at its sole discretion, choose to license such Apple Modifications under this License, or on different terms from those contained in this License or may choose not to license them at all.
12. **Termination.**
 - 12.1 **Termination.** This License and the rights granted hereunder will terminate:
 - (a) automatically without notice from Apple if You fail to comply with any term(s) of this License and fail to cure such breach within 30 days of becoming aware of such breach;
 - (b) immediately in the event of the circumstances described in Section 13.5(b); or
 - (c) automatically without notice from Apple if You, at any time during the term of this License, commence an action for patent infringement against Apple; provided that Apple did not first commence an action for patent infringement against You in that instance.

13.2 Effect of Termination. Upon termination, You agree to immediately stop any further use, reproduction, modification, sublicensing and distribution of the Covered Code. All sublicenses to the Covered Code which have been properly granted prior to termination shall survive any termination of this License. Provisions which, by their nature, should remain in effect beyond the termination of this License shall survive, including but not limited to Sections 3, 5, 8, 9, 10, 11, 12.2 and 13. No party will be liable to any other for compensation, indemnity or damages of any sort solely as a result of terminating this License in accordance with its terms, and termination of this License will be without prejudice to any other right or remedy of any party.

13. Miscellaneous.

13.1 Government End Users. The Covered Code is a „commercial item“ as defined in FAR 2.101. Government software and technical data rights in the Covered Code include only those rights customarily provided to the public as defined in this License. This customary commercial license in technical data and software is provided in accordance with FAR 12.211 (Technical Data) and 12.212 (Computer Software) and, for Department of Defense purchases, DFAR 252.227-7015 (Technical Data Commercial Items) and 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation). Accordingly, all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

13.2 Relationship of Parties. This License will not be construed as creating an agency, partnership, joint venture or any other form of legal association between or among You, Apple or any Contributor, and You will not represent to the contrary, whether expressly, by implication, appearance or otherwise.

13.3 Independent Development. Nothing in this License will impair Apple's right to acquire, license, develop, have others develop for it, market and/or distribute technology or products that perform the same or similar functions as, or otherwise compete with, Modifications, Larger Works, technology or products that You may develop, produce, market or distribute.

13.4 Waiver; Construction. Failure by Apple or any Contributor to enforce any provision of this License will not be deemed a waiver of future enforcement of that or any other provision. Any law or regulation which provides that the language of a contract shall be construed against the drafter will not apply to this License.

13.5 Severability. (a) If for any reason a court of competent jurisdiction finds any provision of this License, or portion thereof, to be unenforceable, that provision of the License will be enforced to the maximum extent permissible so as to effect the economic benefits and intent of the parties, and the remainder of this License will continue in full force and effect. (b) Notwithstanding the foregoing, if applicable law prohibits or restricts You from fully and/or specifically complying with Sections 2 and/or 3 or prevents the enforceability of either of those Sections, this License will immediately terminate and You must immediately discontinue any use of the Covered Code and destroy all copies of it that are in your possession or control.

13.6 Dispute Resolution. Any litigation or other dispute resolution between You and Apple relating to this License shall take place in the Northern District of California, and You and Apple hereby consent to the personal jurisdiction of, and venue in, the state and federal courts within that District with respect to this License. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded.

13.7 Entire Agreement; Governing Law. This License constitutes the entire agreement between the parties with respect to the subject matter hereof. This License shall be governed by the laws of the United States and the State of California, except that body of California law concerning conflicts of law.

Where You are located in the province of Quebec, Canada, the following clause applies: The parties hereby confirm that they have requested that this License and all related documents be drafted in English. Les parties ont exigé que le présent contrat et tous les documents connexes soient rédigés en anglais.

EXHIBIT A.

„Portions Copyright (c) 1999-2003 Apple Computer, Inc. All Rights Reserved.

This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 2.0 (the „License“). You may not use this file except in compliance with the License. Please obtain a copy of the License at <http://www.opensource.apple.com/apsl/> and read it before using this file.

The Original Code and all software distributed under the License are distributed on an „AS IS“ basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT. Please see the License for the specific language governing rights and limitations under the License.“

Copyright (c) 2000-2003 Intel Corporation

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither name of Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.