

# MEDION®


## 1 TB Home Network Storage System NAS Server

MEDION® P89625 (MD 86517)

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Instruction Manual

 N26968



# MEDION®

**1 TB Home Network Storage System  
P89625 (MD 86517) - (NAS)**

## Warranty Details

The product is guaranteed to be free from defects in workmanship and parts for a period of 12 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.





# Worldwide access to your NAS server via a dynamic DNS service (DynDNS)

Home users and private households normally access the Internet via an Internet service provider. The Internet service provider issues an IP address (e.g.: 80.139.140.223) from its address pool to your router upon connection. This IP address, however, is reissued with every new connection to the Internet or at the latest after 24 hours. In order to maintain permanent access to the router via the Internet, you therefore require a fixed IP address. So-called “DynDNS” providers assign a fixed Internet address with name resolution to the alternating IP addresses from your Internet service provider (e.g.: <http://photocollection.DDNSDienst.com>).

Your NAS server is thus always accessible using the same Internet address (<http://photocollection.DDNSDienst.com>) although your router receives changing IP addresses from your Internet service provider.

This is achieved through the transmission of the router’s currently allocated IP address by a DynDNS client (usually installed in the router or also in the NAS server) to the corresponding DynDNS provider.

## How to install and configure a DynDNS service in 3 steps:

1. Set up a user account with a DynDNS provider (in the example, [www.DDNSDienst.com](http://www.DDNSDienst.com)), most DynDNS providers offer free user accounts for this purpose.
  - In the example described here, you set up an account with the DynDNS provider [www.DDNSDienst.com](http://www.DDNSDienst.com) using the following data:

Host name: [photocollection.DDNSDienst.com](http://photocollection.DDNSDienst.com)

User: photocollection

Password: \*\*\*\*\*



### NOTE!

The address name, here “photocollection”, can be freely selected, assuming that the name has not already been taken. The address extension “DDNSDienst.com” is automatically assigned by the DNS service. The account is secured with a user password.

The DynDNS client is set up in the administration interface of the NAS server under the heading “**Network – DyDNS**”.

**DyDNS**

**Gateway Information**

Internal Address    **192.168.178.32**  
External Address    **80.139.140.223**

**Configuration**

Enable DyDNS support to allow users to access the server through a registered hostname.

☒ Enable DyDNS

Service Provider    **DDNSDienst.com**

Hostname    **photocollection.DDNSDienst.com**

Username    **photocollection**

Password    **....**

Password (Confirm)    **....**

The following information is entered here:

- DynDNS provider
- The host name
- User name
- The password and re-entered password

And then the client is activated.

The client reads the Internet IP address from the router (80.139.140.223 in the example) and sends it to the DynDNS provider. The DynDNS provider then allocates it to the relevant account and the previously assigned Internet address (in the example: photocollection.DDNSDienst.com). The router is thus accessible via the Internet by entering the relevant Internet address (in the example: photocollection.DDNSDienst.com) in a standard Internet browser.

- The name via which the NAS server can be accessed must be entered into the router at home or, alternatively (if the router does not offer this option), it can also be set up via the user interface on the NAS server. However, the most technically reliable option is entering the name directly into the router.

The example here shows the set up process on a router:

If your router does not offer you the option of activating a DynDNS client, then the DynDNS client can also be activated in the NAS server. This requires the DynDNS client to be downloaded and installed in the package manager section of the administration interface (as described in the manual in the chapter **“Package”**):

Status	Package Name	Version	Description
Not installed	BackupPlanner	001pg006	Use this to schedule and run backup jobs for files stored in your NAS to an external drive, external storage device or to another NAS in the network.
Not installed	DynDNS	001pg004	This gives your NAS a domain name with a dynamic IP address.
Not installed	NFS	1.1.4pg003	NFS (Network File System) is a file sharing protocol most commonly implemented on Unix-like systems.

3. The port forwarding function needs to be set up on the router. Because the router does not offer the relevant DynDNS services for the NAS server, it needs to be configured so that it can forward the requests from the Internet to the NAS server. This function is called port forwarding (port mapping). The settings for the port mapping function vary depending on the type of router and must be taken from the operating instructions for the relevant router. The user interface on the router is shown here as an example:

Applications & Gaming

SetupWirelessSecurityStorageAccess RestrictionsApplications & Gaming

Single Port Forwarding | Port Range Forwarding | Port Range Triggering | DMZ

Single Port Forwarding

Application Name

None

None

None

None

None

NAS HTTP

NAS FTP

External Port	Internal Port	Protocol	To IPv4 Address	Enabled
80	80	Both	192.168.178.32	<input checked="" type="checkbox"/>
21	21	Both	192.168.178.32	<input checked="" type="checkbox"/>

In order for the NAS server to be able to answer, the requests made to the primary fixed internal IP address (192.168.178.32 in the example) must be forwarded by the router to the NAS server. This is set up using the following internet protocols:

- http (NAS user interface): Port 80; tcp
- ftp: Port 21; tcp

Once the port forwarding function has been correctly set up on the router, the NAS server can be accessed via the Internet under the name: <http://photocollection.DDNSDienst.com>.



**NOTE!** All of the DynDNS providers and accounts described here are examples only! Please note that some providers on the market offer free services while other services are subject to a charge. Additional costs may also be incurred even when using a free DynDNS account, depending on the relevant technical details and enhancements.

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# Notes on how to use these Instructions



Before using the device for the first time, please read these operating instructions carefully, paying special attention to the safety notices.

This device should only be used as designated and described in these instructions.

Keep these operating instructions for further use. If you pass on the device, please ensure that you also pass on these operating instructions.

## Warning symbols and key words used in these Instructions

	<p><b>DANGER!</b>  <i>Indicates a hazardous situation which, if not avoided, will result in death or serious injury!</i></p> <p><b>WARNING!</b>  <i>Indicates a hazardous situation which, if not avoided, could result in death or serious injury</i></p>
	<p><b>CAUTION!</b>  <i>Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury!</i></p> <p><b>ATTENTION!</b>  <b>Is used to address practices not related to personal injury!</b></p>
	<p><b>NOTE!</b>  Please follow the guidelines in the operating instructions!</p>
	<p><b>NOTE!</b>  Additional information on using the device.</p>
	<p><b>WARNING!</b>  <b>Warning: danger of electric shock!</b></p>
•	Bullet point/information about operating steps and results
▶	Tasks to be performed

## Proper use

The Home Storage Network System (NAS-server) is a file server. A server is a device that is used to store different types of files and to provide these to the users in a local network.

The server is delivered with software that allows several users to back up, store, share and protect their data on the installed hard drive.

This device is intended for use in dry, indoor areas only.

This device is intended for private use only and not industrial or commercial use.

# Safety Instructions

## Keep electrical equipment out of reach of children

This device is not intended for use by persons (including children) with physical, sensory or mental disabilities or lack of experience and/or lack of knowledge unless they are supervised by the person responsible for their safety or have received instructions from that person on how to use the device. Never allow children to use electrical devices without supervision.



### **DANGER!**

***Keep all packaging, for instance, plastic wrapping, out of the reach of children. If misused, there is a risk of suffocation.***

## General Information

- Never open the device's casing (electrical shock, short circuit and fire hazard)!
- Do not insert any objects through the slots and openings into the inside of the device (electrical shock, short circuit and fire hazard)!
- The vents and openings of the device are used for ventilation. Do not cover these openings (overheating, fire hazard)!
- Do not place containers filled with liquid, such as vases, on the device, the mains adapter, or in close proximity to the device and protect all parts from drips or water splashes. The container can tip over and the liquid can affect electrical safety.
- If the plug, cable, or device itself is damaged, disconnect the device from the power supply immediately.
- If the device is moved from a cold room into a warm room, wait a moment before you connect it to the power supply. The ensuing condensation could damage the device. The device can be operated safely as soon as it reaches room temperature.

## Setup location

- Setup and operate all components on a sturdy, level and non vibrating surface to prevent the device from falling.
- Do not jolt or shake the device. This could damage the sensitive electronic components.
- Make sure there are no direct heat sources (e.g. heaters) that could affect the device.
- Do not place naked flames (e.g. lit candles) on or near the device.
- Make sure that the ventilation slots are not covered to guarantee adequate ventilation.
- Do not place any objects on the cables, as this could damage them.

- Keep a minimum clearance of approx. 10 cm between walls and the device or mains adapter. Ensure adequate ventilation.
- Do not operate your device out of doors, as external influences such as rain, snow, etc., could damage the device.
- Maintain a distance of at least one metre to high frequency and magnetic sources of interference (television, loudspeakers, mobile phones, etc.) to avoid malfunctions.
- Large changes in temperature or fluctuations in humidity can cause moisture build up within the device due to condensation, which can cause an electrical short circuit.

## Never carry out repairs yourself

If the plug, cable or appliance is damaged, immediately unplug the device from the mains.

Do not start up the device if the device or cable show visible signs of damage, or if the device has fallen down.



### **WARNING!**

***Never try to open and/or repair the device yourself. There is a risk of electric shock!***

In the event of a fault, please contact the Medion Service Centre to avoid hazards.

## Cleaning and maintenance

- Before you clean the device, always unplug the mains adapter from the mains.
- Only use a dry, clean cloth for cleaning. Do not use chemical solutions and cleaning products because these may damage the device's surface and/or inscriptions.

## Data backup

- Please note! Back up your data on external storage media after each update. We do not accept any liability for claims for compensation arising from loss of data or any damages incurred.

## Power supply

Please note: Even when the device is switched off, some parts of the device are still energized. To interrupt the power supply to your device, or to safely disconnect the device from the voltage, disconnect the device completely from the mains.

- Operate the mains adapter only on earthed socket outlets with AC 100–240 V ~ 50 Hz. If you are unsure about the power supply at the setup location, ask your local energy provider.

- Only use the mains adapter provided. (Ktec KSAD1200150W1AU). Never try to connect the mains adapter to other sockets as this may cause damage.
- For extra safety, we recommend using an overvoltage protection device to prevent the appliance from sustaining damage as a result of power surges or lightning strikes.
- To interrupt the power supply, unplug the mains adapter from the socket.
- The mains adapter must be easy to access even after being connected so that it can be quickly disconnected from the mains, if required.
- To avoid overheating, do not cover the mains adapter.
- If you use an extension cable, make sure that it complies with Australian requirements. If in doubt, contact an electrician.
- Position the cables so that no one can step on or trip over them.
- Do not place any objects on the cables, as this could damage them.

## **Note on electrostatic charge**

If the device does not function properly due to electrostatic charge, reset it by temporarily disconnecting it from the main power.

# Package contents

Please check your purchase to ensure all items are included. Contact us within 7 days of purchase if the delivery is incomplete.

The following items are supplied with your product:

- 1 TB Home Network Storage System (NAS)
- LAN cable
- Mains adapter
- Software CD
- Operating instructions
- Warranty card



## **PLEASE NOTE!**

Remove the protective films from the device before use!



## ***DANGER!***

***Keep all packaging, for instance, plastic wrapping, out of the reach of children. If misused, there is a risk of suffocation.***

# General information

## Supported systems and formats

Your NAS server supports the following file systems, protocols and applications:

- TCP/IP network protocol
- UPnP, integrated DLNA server (Twonky)
- iTunes server
- FTP server
- Samba server
- Integrated download manager
- FAT32, NTFS, EXT2, EXT3, XFS

## Possible applications of the NAS server

The NAS server can be used for the following tasks in the network:

- As a central storage location for files that you would like to provide to other users over the local network or the Internet.
- To automatically create and update the backup copies of all your files – even entire operating systems.
- In case of computer damage or data loss, such as hard drive failure, theft, etc., you can quickly recover your data and continue working.
- If you are out and about, you can access the NAS server via the Internet from anywhere in the world to download or upload files you would like to safely store or make available for others.
- You can connect a USB printer to the NAS server and make it available to other users in the local network.
- The integrated media server permits all users with DLNA capable devices in the local network to access photos, videos and music on the NAS server.
- You can set up the iTunes® service on the server to enable users to stream music to network computers with iTunes®.

## Operating mode of the NAS server and the supplied components

- The NAS server (device): The hardware with installed hard drive for storing and backing up your files.
- Medion NAS Tool: Software that locates the NAS server in the network and automatically connects it to your computer. The configuration interface gives you direct access to various tools and functions of the NAS server.
- NAS Server User Interface: A user interface integrated in the server that lets you set up, change and monitor the NAS server using a Web browser on your computer (or even via remote access).
- Memeo Instant Backup: Software that lets you back up files and applications on the NAS server. You can also use this software to recover/restore your data. You will find further information in the software user manual.



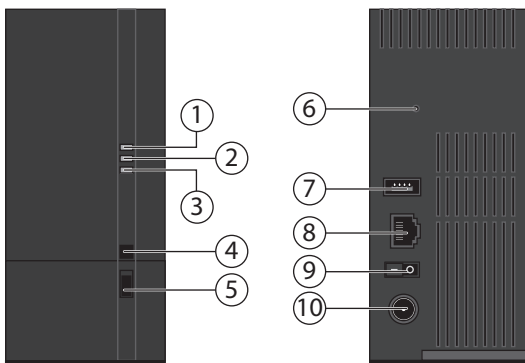
# Components of the NAS server

The components of the NAS server include:

- One SATA hard drive (serial ATA)
- One Ethernet or LAN connection that enables server access through the local network or Internet.
- 2 USB ports
- OTC (One Touch Copy) button to copy/synchronize data between USB data media and the internal hard drive of the NAS server.

## Overview of the device

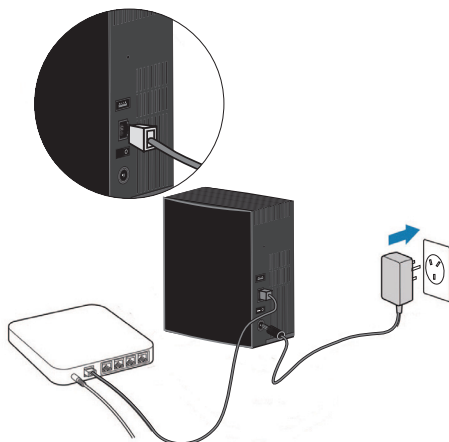
### Front view and rear view of device



1. **LED (BLUE/RED):** Status indicator (glows blue during operation, flashes blue during system start/or during hard drive activity; flashes red during firmware update, and glows red for hardware errors)
2. **LED (GREEN):** LAN indicator (glows when a network connection is established, flashes during data transfer)
3. **LED (ORANGE):** OTC indicator of the front USB port (glows when a data medium is detected on the front USB port, flashes when copying/synchronizing data between the NAS server and the USB data medium)
4. **OTC:** One Touch Copy button
5. **USB:** USB port (also for using the One Touch Copy function)
6. **RESET:** RESET button
7. **USB:** USB port
8. **RJ45:** LAN connection for network cable
9. On/off switch
10. **DC:** Power input

# Setting up

## Connection to a network



- ▶ Use a network cable to connect the **RJ45** socket (Ethernet/LAN) on the server to a network interface with the appropriate socket (e.g. a router). The NAS server is set up as a DHCP client, so make sure that DHCP is activated on the router!
- ▶ Insert the barrel connector of the mains adapter into the DC IN socket on the NAS server and then connect the mains adapter to a mains socket outlet.
- ▶ Make sure that the computer you will be using to configure the server is in the same network.

## Connections for USB devices

- ▶ You can use the USB ports to connect external USB drives or a USB printer that will be available to all users in the local network. The USB port at the front of the server can also be used for the One Touch Copy function.



### PLEASE NOTE!

Before using the One Touch Copy function, read the corresponding notes in these operating instructions on page 20 and on page 60.

# Initial operation

When you start up the device for the first time, you should make the following settings via your computer:

## Install the supplied software on the computer

Before you can configure the NAS server via your computer, you need to install the Medion NAS Tool included on the supplied software CD. This program is used to recognise the NAS server on the network and stores its IP address for future access. In addition, you can directly access the various tools and configurations of the NAS server.

During installation you can also install the Memeo Instant Backup software.

### Installing the Medion NAS Tool

- ▶ Insert the installation CD into the DVD/CD drive.
- ▶ The CD starts automatically.
- ▶ Follow the installation instructions.

### Installing Memeo Instant Backup

Following completion of the Medion NAS Tool installation, tick the box next to "Install Memeo Instant Backup" to subsequently start the installation of Memeo Instant Backup.

- ▶ Follow the installation instructions.

If the CD does not start automatically, follow the steps below to install the software:

- ▶ Double click on "Computer" ("My Computer" on older versions of Windows).
- ▶ Move the mouse pointer to the DVD/CD drive.
- ▶ Right-click, then click on Open.
- ▶ Double click on "Autorun.exe".
- ▶ The Installation Assistant appears.
- ▶ Follow the installation instructions.

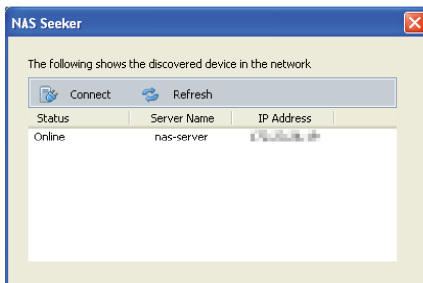
# Starting the Medion NAS Tool

- ▶ After successful installation, you can start the program by using the desktop shortcut or call it up via Start/All Programs/Medion AG/Medion NAS Tool/Medion AG Medion NAS Tool.

The NAS Seeker appears.

Start screen of the Medion NAS Tool. This displays all available NAS servers.

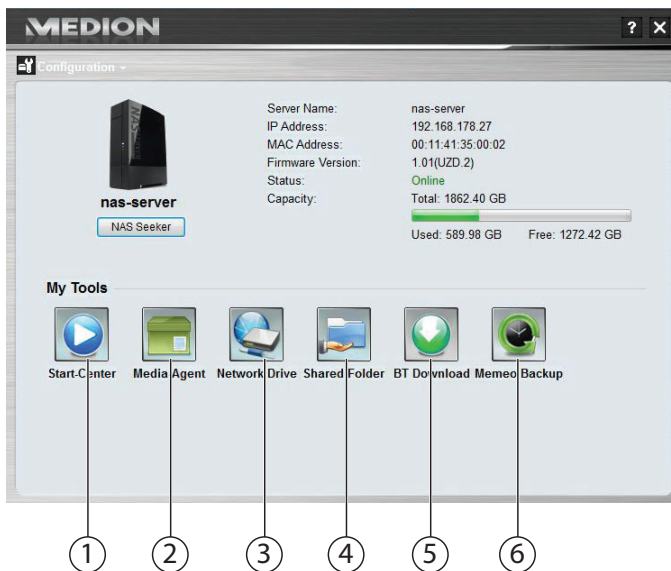
Click on a NAS server and then on "Connect" to log in to this NAS server.



# Medion NAS Tool

After you have logged your computer onto the NAS server, an overview page of the Medion NAS Tool appears.

The Medion NAS Tool finds all Medion NAS servers on your network and enables straightforward access to the following functions:



## 1. Start Center

The Start Center lets you play back photos, videos and music directly from the NAS server.

## 2. Media-Agent

Clicking on the Media-Agent icon will open a small window in the shape of a box.

Files can simply be moved to this box, and the Media-Agent will automatically move them to the correct folder.

## 3. Network drive(s)

This menu item lets you easily set up the Shared Folders of the NAS server as a network drive.

## 4. Network shares

Clicking on the icon will display all shared folders on the NAS server.

## 5. BT Download

The download manager downloads files from the Internet for you. Enter any download link or a .torrent file in the input mask and the NAS server will download the files automatically without any need to use a PC.

## 6. Memeo Backup

If you installed the Memeo Backup solution while installing the Medion NAS Tool, you can start and configure the software using this icon.

## Configuration

Click on Configuration to call up the following options:

### Initialization wizard

Here you can configure the NAS server with the help of an assistant. You can use a standard configuration or configure the NAS server step by step using the assistant (manual configuration).

### System settings

Here you can make basic system settings (server name, time zone and IP settings) on the NAS server. Use this menu item if you cannot access the NAS server through the Web configurator. Set the addressing of the NAS server so that you can log back on to the NAS server.

### Administration

This entry lets you directly access the page of the administrator settings in the Web configurator "System settings" on page 35 . When prompted, enter your user name and password to open the page in the Web browser.

# Introduction to the NAS server

## Difference between administrator and user

In addition to all useable functions such as file sharing, the NAS server also has administration functions that should only be used by one or two people – the administrators.

Anybody else who accesses the NAS server is called a user.

## Administrators

Administrators have full access to all functions and settings of the NAS server and its stored files.

Administrators can perform the following tasks:

- Change all server settings
- Create and edit user accounts and group accounts
- Set up and edit folders (or shares)
- Update the server firmware
- Reset the server name and password to the standard settings

## Users

All users, including the administrators, can use the following functions:

- Change their log-in password
- Save and share files on the NAS server
- Back up files on the NAS server
- Access the server via the Internet
- Download large files from the Internet directly to the server
- Access music, videos and photos (if the NAS server is set up as a media server)
- Provide a USB printer connected to the NAS server to other users



### PLEASE NOTE!

The administrator can also create user accounts with administrator rights. You will find further information under "Users" on page 75.

# First steps

This section describes the initial tasks for administrators and users

## First steps for administrators

1. Install the NAS server and the software.
2. Use the Medion NAS Tool to establish a connection to the server.
3. Use the Web configurator to execute the initial setup of the server:
4. Create own folders (or shares) to save files
5. Create user accounts for everyone who will access the NAS server and assign the required access authorisations for the created shares to the individual users.
6. Give the appropriate user account information to all users.
7. (Optional) Connect a USB printer to the NAS server to make it available to all users in the local network.
8. (Optional) Set up the server as a Media Server so that users can access music, photos and videos.
9. Continue with the next section, "First steps for users" to begin using the NAS server to save, back up and share your own files.

## First steps for users

Initial tasks when using the NAS server:

1. Make sure you have received the following from the administrator:
  - Medion NAS Tool software
  - Memeo Backup software
  - User name and password for the NAS server
  - The names of the shares that you may access
  - Information about any access restrictions (e.g. read-only access to a specific share)
  - User manual

2. Install the NAS server software.

If you are already using a different program for regular file backups, then you do not need to install Memeo Backup.

3. Use the Medion NAS Tool to establish a connection to the server and to the shares to which you have access.
4. Make your files available by saving them in shared folders that can be accessed by other users through the local network or the Internet.
5. (Optional) Create a complete backup of your important files, or set up regular backups. Use Memeo Backup to do this.
6. (Optional) If a USB printer is connected to the NAS server, add it to the list of available printers in accordance with the instructions for your operating system.



# Copy/synchronize data with the OTC button

Connect a USB data medium that you will use for copying/synchronizing data (between the NAS server and the USB data medium) to the USB port on the front of the NAS server.



## PLEASE NOTE!

You can set the actions that are performed with the OTC button at any time subsequently via the Web configurator (See "OTC Button" on page 61). The actions described in the following are preset on delivery.

- ▶ Wait until the OTC indicator glows orange and the NAS server has detected the USB data medium.

You can now carry out the following functions with the OTC button:

- ▶ Briefly press the OTC button once to copy the data directly from the USB data medium to the directory /public/[DATE]\_[TIME] on the NAS server. During the copying procedure the OTC indicator flashes orange.

As soon as the copying procedure is completed, you will hear two longer beeps.

If you hear two short beeps, then there is not enough disk space to complete the copying procedure. In this case, you need to make sufficient disk space on the NAS server.

- ▶ Hold down the OTC button for about 3 seconds until you hear a beep. Synchronization between the NAS server and USB data medium is performed. To do this, you need to have set the synchronization in the "OTC button" menu first.

During synchronization the OTC indicator will flash orange.

When the procedure is completed, you will hear two longer beeps.

If you hear two short beeps, then there is not enough disk space to complete synchronization. In this case, you need to make sufficient disk space on the NAS server.

# The RESET button

The RESET button on the back of the NAS server is used to reset the NAS server in case you have to reset the system or have lost your administrator password. You can press in the RESET button with a pointed object (a paper clip, for example).

## Resetting the administrator password

- ▶ To reset the administrator password to the standard password (user name: admin; password 1234) hold down the RESET button for about 3 seconds until you hear a short beep.

You can now log on to the NAS server with the standard password.

## Resetting the system to the standard settings

If the NAS server has a faulty response, or if settings that have been made have caused you to lose your access to the system, it may be necessary to reset the system to the standard settings.

- ▶ To reset the system, keep the RESET button pressed down for about 10 seconds. After 3 seconds you will hear a first short beep and a second short beep after 10 seconds.
- ▶ Now release the RESET button. As confirmation you will hear three short beeps. The system will now be reset to the standard settings and restarted.



### PLEASE NOTE!

Resetting the standard settings will also reset the administrator password!

All data on the hard drive will be retained when resetting to the standard setting! Only the system settings will be reset.

# Using Memeo Backup

How to set up the backup function with Memeo Instant Backup on your NAS server:

## Create the network drive for data backup

- ▶ Install the Medion NAS Tool and then Memeo Instant Backup (as described under "Installing Memeo Instant Backup" on page 14).
- ▶ Start the Medion NAS Tool.
- ▶ Connect to the NAS server via the Medion NAS Tool as described under "Medion NAS Tool" on page 16.
- ▶ Click on the "Network drive(s)" icon.
- ▶ To quickly create the data backup in a public folder, set a checkmark in the field **"Guest"**. If data is to be backed up in other shares, then log on using the corresponding user account.
- ▶ Choose a drive letter (e.g. **"Z"**).
- ▶ Choose a folder where the backup copies of the data are to be stored (e.g. **"public"**).
- ▶ Set a checkmark in the field **"Restore Connection at Windows Logon"**.

## Backing up data with Memeo Backup

- ▶ Start Memeo Instant Backup by clicking on the "Memeo Backup" icon in the Medion NAS Tool.
- ▶ In the **"Help"** menu, click on the entry **"Register"** and then enter the product key that is on the cover of the provided software CD.
- ▶ Skip the start page by clicking on the entry **"No Thanks, I want to start a Backup now"**.
- ▶ Now choose the network drive you just created as destination for the data backup (in the example above: **public (Z:)**).
- ▶ Click on **"Start Backup"**.

All files on drive **C:** of the computer will be backed up on the NAS server drive. The following folders on **C:** will not be backed up:

- The "Programs" folder
- Temporary files and protocol files as well as virtual hard disk files
- The "Windows" folder



### PLEASE NOTE!

For more information about Memeo Instant Backup, go to the Help menu and call up the entry "Quick Start Guide".

# The Web configurator

The Web configurator is an HTML-based user interface to the NAS server that you can call up through your Web browser.

Use at least Internet Explorer 6.0 or Mozilla Firefox 2.00 or later versions of these browsers. The screen resolution should be 1024 x 768 or higher.

To be able to use the Web configurator, pop-up windows must be permitted in the Web browser and the Windows pop-up blocker must be deactivated.

You must also activate JavaScript.

The Web configurator can be called up in 3 ways:

- Open your standard Web browser and enter the IP address displayed in the Medion NAS Tool in the address bar of the Web browser.

or

- Enter "http://nas-server" in the address bar of the Web browser

or

- In the Medion NAS Tool main menu, click on the **Configuration** entry (top left) and then on **Administration**. When prompted, enter your user name and password to open the page.

The standard Web browser opens and the main menu appears.



## PLEASE NOTE!

On delivery, the user name [**admin**] and the password [**1234**] are preset. Log in with this user first and then change your password. You will prompted to do so after the log in.

# Main menu

All users (even the administrator) will first see the main menu after logging in.



## PLEASE NOTE!



You can adjust the presentation of the main menu by clicking on the icons (circle or list) at the bottom right in the screen.

## NOTE!

If you did not activate the option "**Stay logged in for two weeks**" when logging in, you will be automatically logged out from the current Web configurator session if there is no activity for more than 15 minutes. In this case, simply log back in to the NAS server.

The main menu shows the following icons that are used to call up the individual functions:

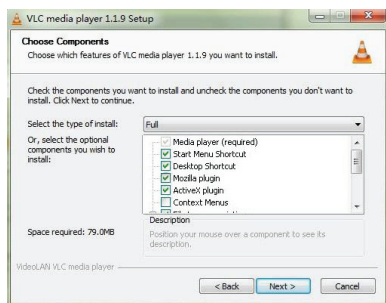
### Icons in the main menu

Icon	Description
	Use the Music menu to organise and play back your music files.
	Use the Photo menu to organise and play back your image files.
	Use the Video menu to organise and play back your video files.
	Use the Favourites menu to create and edit playback lists.
	The file browser will show you the folders and files on the server in a directory structure. Here you can rename files, move them or download them to your computer.
	Use the Applications menu to activate or deactivate programs installed on the NAS server.
	Use the system settings in order to carry out the basic settings as user and the extended settings as administrator.



### PLEASE NOTE!

Your Web browser may need the Windows Media Player and VLC (Video-LAN-Client) plug-ins in order to be able to play back music and video files. For the VLC plug-in, download and install the VLC player (<http://www.videolan.org/vlc>). To install the VLC plug-in for the Mozilla FireFox browser, select the "Mozilla plug-in" checkmark during installation.



## Navigating in the menu bar

The menu bar will be shown at the top edge in most menus. Using the menu bar icons, you can navigate as follows:



Return to the main menu



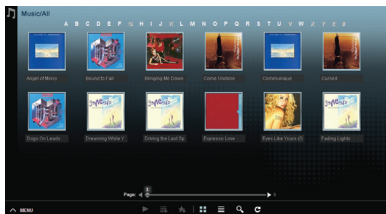
Call up help page for the currently displayed page



Click on this button to end the current session and to log off from the Web configurator.

## Music menu

To manage and play back the music files stored on the NAS server, call up one of the entries in the Music menu.



To change the file view or to organise the files, use the tool bar shown below:



1. Menu access
2. Start playback
3. Add to current playback list
4. Show files as thumbnails
5. Show files as list
6. Search for files
7. Refresh view

### Folder

Select music by folders/albums.

### Artist

Select music by artist name.

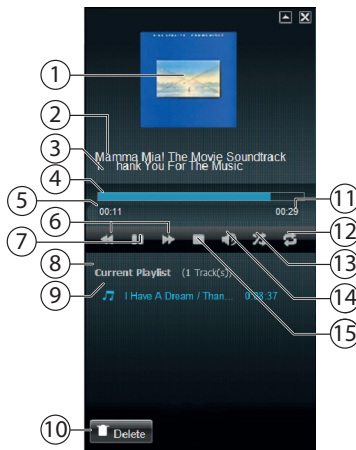
### All

Select music by folders/albums, title and artists.



## Music player

Click on the "Current playback" entry to start the music player.



1. Album cover
2. Album name
3. Title
4. Playback bar
5. Elapsed playing time
6. Rewind/fast forward
7. Pause
8. Name of playback list
9. Title entry in the playback list
10. Delete entry from the playback list
11. Total playing time
12. Repeat title/repeat all
13. Random playback
14. Adjust the volume
15. Stop playback

## Photo menu

To organise and play back the image files stored on the NAS server, call up one of the entries in the Photo menu.



To change the file view or to organise the files, use the tool bar shown below:



1. Menu access
2. Start slide show
3. Show files as thumbnails
4. Show files as list
5. Search for files
6. Refresh view

## Folder

Select photos by folders.

## Date

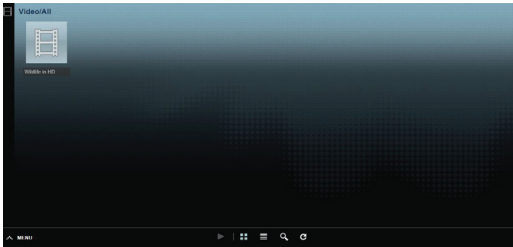
Select photos by date.

## All

Select photos by name and folder.

## Video menu

To organise and play back the video files stored on the NAS server, call up one of the entries in the Video menu.



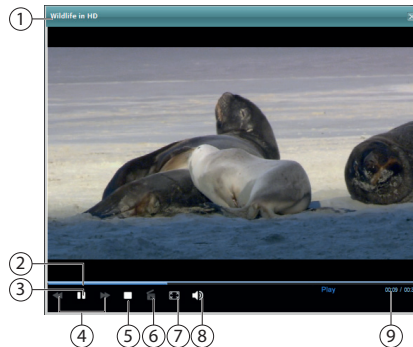
To change the file view or to organise the files, use the tool bar shown below:



1. Menu access
2. Start playback
3. Show files as thumbnails
4. Show files as list
5. Search for files
6. Refresh view

## Video player

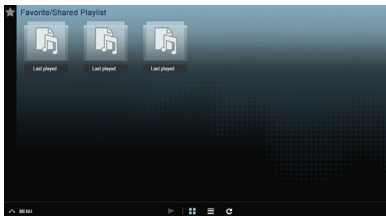
When you start video playback, the Video player opens.



1. Title
2. Playback bar
3. Pause playback
4. Rewind/fast forward
5. Stop playback
6. Switch from the Windows Media Player to the VLC Player
7. Full screen (double-click in the screen to exit full screen mode)
8. Adjust the volume
9. Elapsed/total playing time

## Favorite menu

To view and play back the user's favourites list saved on the NAS server, call up one of the entries in the Favourites menu.



### Last played

Lists the files by date last played.

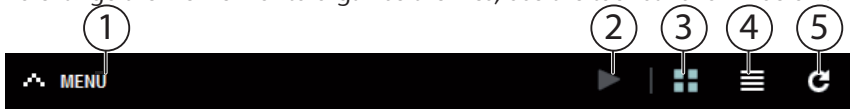
### Most frequently played

Lists the files according to the amount of times they have been played.

### Last added

Lists the files by the date they were added to the Favourites list.

To change the file view or to organise the files, use the tool bar shown below:



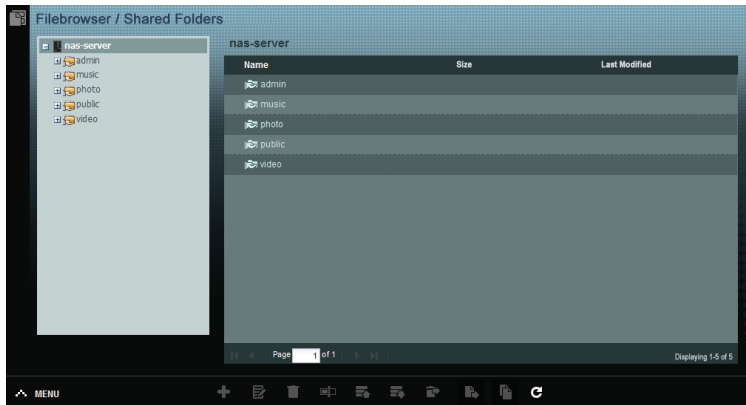
1. Menu access
2. Start playback
3. Show files as thumbnails
4. Show files as list
5. Refresh view

## File Browser menu

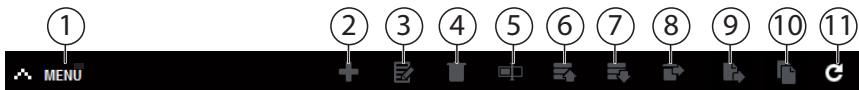
You can use the file browser to organise folders and files on the server.

All folders created on the server are listed in the file browser.

You see the folder structure on the left side, and the contents of the folders are listed to the right in the main window.



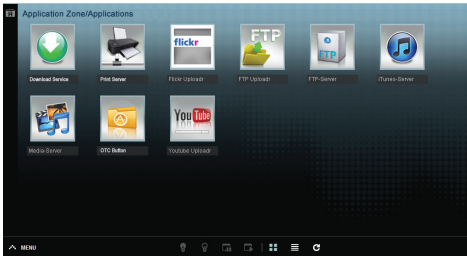
To organise your files and folders, use the tool bar shown below:



1. Menu access
2. Create new folder
3. Configure share
4. Delete
5. Rename
6. Upload
7. Download
8. Restore
9. Move
10. Copy
11. Refresh view

# Application Zone

To view and activate the applications installed on the NAS server, call up the Applications menu.



## Edit applications

Double-click on an application to call up the settings for this application.  
Use menu bar

To deactivate or stop an application, use the tool bar shown below:



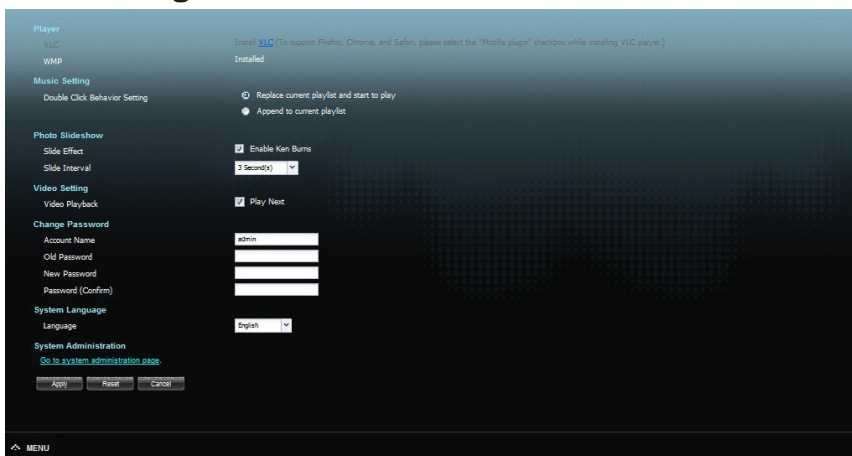
1. Menu access
2. Activate application
3. Deactivate application
4. Pause application
5. Resume application
6. Show applications as thumbnails
7. Show applications as list
8. Refresh view

# System settings



If you are logged in to the NAS server as an administrator, you can call up the system settings page directly by selecting the Administrator entry. As a user you may only select basic settings:

## Basic settings



In the basic settings (available to all users), you can change the settings for the media player, playback behaviour as well as photo and video playback for the currently logged in user.

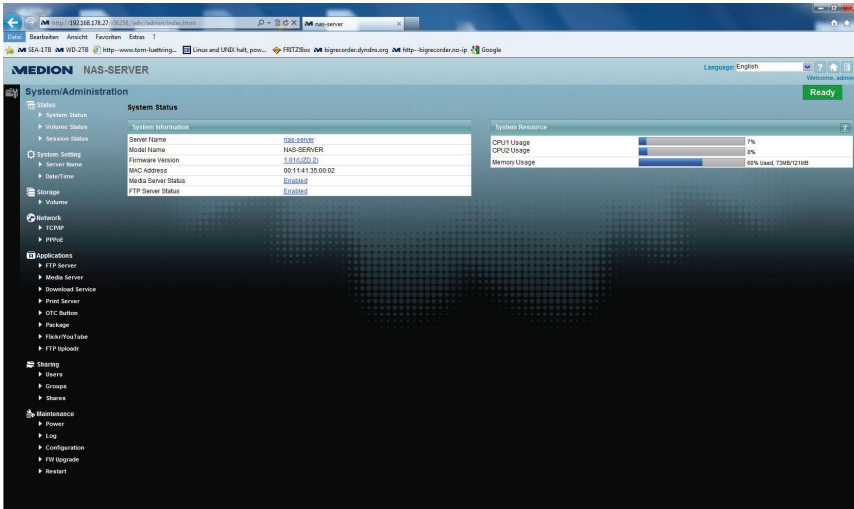
You can also change the user name and password as well as set the system language of the Web configurator that will be displayed to the user.

As administrator you can also use the entry **"Go to system administration page"** to switch to the system settings.



# System/Administration

If you are logged in as administrator, you can completely manage the configuration for the NAS server through the System/Administration menu.



# Status

## System Status

### System Information

#### Server Name

This is the name of the NAS server that is displayed in the network. Click on the server name to edit the name, the description and the work group "Server Name" on page 40.

#### Model Name

The model name is displayed here.

#### Firmware Version

Here you can check the firmware version of your NAS server. Click on the entry of the firmware version to switch directly to the Maintenance/FW Upgrade menu ("FW Upgrade" on page 90). You can update the firmware there.

#### MAC Address

The individual physical hardware address (MAC) of your NAS server is displayed here.

#### Media Server Status

This indicates whether the media server is activated or deactivated. Before media clients (e.g. Windows Mediaplayer or DLNA capable media devices such as TVs, Internet radios, media player) can play the media files that are on the NAS server, the Media Server must be activated. Click on the status to configure the Media Server.

#### FTP Server Status

This indicates whether the FTP server is activated or deactivated. The FTP server must be activated so that FTP transfer can occur between the NAS server and another computer. Click on the status to configure the FTP Server.

## System Resource

#### Refresh

Click on this button at the top right next to the entry "**System Resource**" to refresh the system information.

## CPU Usage

The total CPU usage of all running processes on the NAS server is displayed here in percent.

Click on the **Refresh** button to refresh this display. The display is refreshed every 10 seconds.



### PLEASE NOTE!

If too many users are logged in to the NAS server, the NAS server can only respond after a considerable delay.

## Memory Usage

The main memory usage is displayed here.

Click on the **Refresh** button to refresh this display. The display is refreshed every 10 seconds.

## Volume Status

### Internal volume/external volume

Internal volume is the installed hard drive of the NAS server.

Click on the gear wheel icon to call up the **Storage**. There you can create and edit volumes on the NAS server.

External volumes are any drives that are connected to the NAS server as USB data media. USB drives are numbered in the sequence they were connected.

Click the gear wheel icon to call up the **Storage**. There you can create and edit volumes on the USB data medium.

Also read the section "**Storage**" on page 42.

### Status

This icon indicates whether the volume is **healthy**, **degraded** or **down**.

### Name

The name of the volume is displayed here.

### File System

The file system of the external data medium (USB) is displayed here.

### Disk(s)

The hard drive containing the volume is displayed here.

### Disk Usage

The overall size of the drive as well as the utilized memory and the free memory is displayed here in percent.

## Session Status

All users currently logged in to the NAS server are listed here.

### Type

The type of connection (Windows/CIFS, Web (Web configurator), or FTP connection) the user used to log in to the NAS server is displayed here.

### **Share Name**

The name of the share on the NAS server to which the user is connected for CIFS sessions is displayed here. This field remains blank for FTP and Web sessions.

### **Username**

The name of the user who is connected to the NAS server is displayed here. A user name must be defined for this.

**ANONYMOUS FTP** appears if no user name is defined for the session of this user.

### **Connected At**

Here, the date and time of the last user session is displayed in the format year, month, day, hour, minute and second.

### **IP Address**

This shows the IP address of the computer that is connected to the NAS server.

# System Setting

Using the system settings you can identify your NAS server in the network as well as set the time and date.

## Server Name

### Server Identification

Use this menu to edit the CIFS settings. You can assign a server name and add a work group to your NAS server.



#### PLEASE NOTE!

The CIFS connection protocol cannot be disabled on the NAS server!

### Server Name

Enter a name to allow the NAS server to be identified in the network. You can enter up to 15 alphanumerical characters. A minus sign (-) is not allowed as last character. The name must begin with a letter. The system is not case sensitive.

### Description

In this field you can enter a description of no more than 61 characters in addition to the server name. You can use all characters except: / \ : | [ ] < > + , ; ? = \* " ~ .

### Workgroup Name

Enter the name of the work group here. A work group is a group of computers in a network that can exchange files.

When the work group is specified, the users of these computers are connected to the NAS server.

You can enter up to 15 alphanumerical characters. A minus sign (-) is not allowed as last character. The name must begin with a letter. The system is not case sensitive.

### Support Non-English Computer Names

Choose this option if computers that do not use Western European character sets (e.g. Chinese or Russian) are to be connected to the work group. If you now start a search for computers in the work group, these computer names will also be recognised.

### Apply

Click here to accept and save the settings.

### Reset

Click here to restore the previous settings.

## Date/Time

Select a time zone and a time server from which the NAS server is to receive the time and date. This time is then used in the logs and messages of the NAS server.



### PLEASE NOTE!

For the time setting, the NAS server must be connected to the Internet!

## Current System Date Time Setting

### Current Time

Displays the current system time on the NAS server.

### Current Date

Displays the current date on the NAS server.

## Date Time Setup

### Get from Time Server

Choose this option if you want the NAS server to acquire the time and date from a time server which you can specify in the next field.

### Time Server Address

Choose a time server from the drop-down list, or enter the address of another time server in this field.

### Synchronize Now

Click this button to directly synchronize the time via the server specified above.

## Time Zone

### Time Zone

Enter the time zone of your location here. This entry will set the time difference between your time zone and Greenwich Mean Time (GMT).

### Auto/Manual Daylight Saving

Use these fields to define the period for displaying the summer time.

Choose "**Auto Daylight Saving**" if you do not plan to use a deviating period. Choose "**Manual Daylight Saving**" and then set the start date and end date of the summer time period.

In the entry "**Offset**" enter the offset of the summertime in hours.

### Apply

Click here to accept and save the settings.

### Cancel

Click here to restore the previous settings.

# Storage

In the submenu "**Storage**" you can administer different drives on the NAS server.



## PLEASE NOTE!

We recommend checking the NAS server's hard drive for errors every 3 months or after 32 boot processes.

## Internal/External Volume

The tables display information about all volumes on the internal hard drive and all volumes on connected USB data media.

### Status

This icon indicates whether the volume is **Healthy**, **Resync**, **Recovering**, **Degraded** or **Down**.

### Volume

The drive name is initially allocated automatically by the NAS server. You can then allocate a different drive name.

### File system/Disk Configuration

The file system of the drive is displayed here.

### Disk(s)

This column displays the physical hard disk that contains the drive. Moving the mouse pointer over the entry will display additional information such as model name and capacity.

### Capacity

The total capacity of the drive as well as the utilised and free disk space is displayed here.

### Add

Click on this entry to add a new internal or external volume.

### Edit

Click on the entry **Edit** to change the drive name.

## Volume Name

The drive name can be up to 31 characters long.

Allocate a unique name to avoid confusion.

You can enter any alphanumeric characters as well as " " [space], "\_" [underscores] and ".".

But the first character must be alphanumeric (A–Z 0–9).

The last character may not be a space.

For external drives, names may only consist of up to 32 characters from the ASCII character set. The name must be unique (not already allocated to another drive).

## Apply

Click here to accept and save the settings.

## Cancel

Click here to exit the settings without saving.



# Network

## TCP/IP

Use the TCP/IP entry to make the following settings to the IP address.



### **PLEASE NOTE!**

If you change the IP address of the NAS server, you must log back in to the NAS server after accepting the settings.

## IP Address

### **Dynamic**

Choose this option if the NAS server will automatically be assigned an IP address from a router.

If the NAS server is not assigned an IP address, the NAS server automatically assigns itself an IP address and a subnetwork mask. This lets you connect your NAS server directly to your computer, for example. If the computer also receives its IP address automatically, the computer and the NAS server will assign themselves addresses and will then be able to communicate.

### **Static**

Choose this option to define static IP information. To do this, enter the following information:

#### **IP Address**

Enter the static IP address here.

#### **IP Subnet Mask**

Enter the IP subnetwork mask here.

#### **Default Gateway**

Enter the standard gateway address here.

## **DNS**

DNS (Domain Name System) is used to allow a domain name to exchange the corresponding IP addresses. If the IP address of the DNS server is known, then enter it here.

### **Dynamic**

Specify here if the DNS server address will be acquired automatically.

### **Static**

Enter a static IP address for the DNS server.

#### **Primary DNS Server**

Enter the primary DNS server IP address here.

## Secondary DNS Server

Enter the secondary DNS server IP address here.

## HTTP (Web Configurator)

### Enable Secondary HTTP Port

Here you can configure an additional HTTP port that can be used to access the Web configurator.

Enter a number in the port number field.

### Jumbo Frames

Jumbo Frames improve network performance. Jumbo Frames require a 1 Gbps (Gigabit Ethernet) network that must also support Jumbo Frames. Set the largest possible frame size that is supported by all network devices (network cards in computers as well as switches, hubs and routers).

When the Jumbo Frames function is activated, you can choose between a 4 KB, 8 KB and 9 KB frame size.



#### PLEASE NOTE!

If you activate the Jumbo Frames function on an NAS server in a network that does not support this, you will lose access to the NAS server. If this occurs, you will have to reset the NAS server to the factory settings.

### Network Diagnostic Tool

Use this function to test the network connection to a specific IP address or domain. Select an address or enter one in the entry field. Then click on "**Ping**" to send a packet from the NAS server to the network connection.

- **Successfully pinged host** – The NAS server was able to "ping" the NAS server, the network connection is available.
- **Unable to ping host**– The NAS server was unable to "ping" the host, the host could not be found.

### Apply

Here you can save the TCP/IP configuration. Click on **Apply** to restart the NAS server and save the settings. Wait until the log in screen appears or the NAS server has booted completely and then use the Medion NAS Tool to find the NAS server in the network.

### Reset

Here you can restore the previously saved settings.

## PPPoE

In this menu you can configure the PPPoE settings for a direct Internet connection.

### Status

The status of the PPPoE connection is displayed here.

### IP Address

The IP address of the PPPoE connection is displayed here.

### IP Subnet Mask

The subnetwork mask of the PPPoE connection is displayed here.

## Configuration

### Enable PPPoE Connection

Use this entry if you connect the NAS server directly to a DSL modem. You will have to enter the user name and password you received from your Internet provider.

### Username

Enter the user name here. If the user name needs to be entered in the form **user@domain**, where the domain represents the provider name, then enter both parts in this fashion.

### Password

Enter the password for the user name entered above.

### Password (confirm)

Repeat the password

### Apply

Click here to accept and save the settings.

### Reset

Click here to restore the previous settings.

# Application

## FTP Server

Use the FTP server to access the data on the NAS server via an FTP connection.

### FTP

#### Enable FTP

Mark this field to permit users to connect to the NAS server via FTP.



#### **NOTE!:**

If you deactivate FTP, the Mediagent will not be able to receive data from the NAS server.

#### Connection Limit

Enter the maximum number of FTP connections that are to be permitted on the NAS server. The maximum number is 5 connections.

#### Idle Timeout

Enter here how long the FTP connection is to be maintained when there is no activity or if no entries are made. The longest time allowance is 300 minutes.

#### Port Number

The port number that the NAS server uses for FTP connections appears here.

#### Enable Anonymous FTP Access

Mark this field to permit all users to log in to the NAS server by entering the user name "FTP" or "anonymous" without entering a password. Any other user name is then recognised as a dedicated user name and requires a corresponding password to log in.

#### Customise the port range for data transfer

Mark this field to specify a port range for FTP clients that is to be used when downloading data from the NAS server in passive mode.

The number of connections is defined by half of the port range. If the range of the port is less than the number of connections you defined under "**Connection Limit**", then these will be reduced correspondingly.

For example, if you define a port range from 1024 to 1027 and have defined 5 FTP connections under "**Connection Limit**", the connection limit can actually only be 2 (4 ports in the range / 2) as this is the lesser value.

#### Starting Port

Enter a port number between 1024 and 65535 here for the start of the range.

#### Ending Port

Enter a port number between 1024 and 65535 here for the end of the port range.

## Download/Upload Rate For All Users (include admin)

Here you can set the download/upload limits for all users logged in to the NAS server.

- **Max. Download Rate** – Enter the maximum download speed (in kilobytes/s).
- **Max. Upload Rate** – Enter the maximum upload speed (in kilobytes/s).

## Character Set

The NAS server uses the UTF-8 (8-Bit UCS/Unicode Transformation Format) character set as standard for FTP connections. If folders or file names at the FTP client of the user are not displayed correctly, you can specify a different character set here.

This setting only concerns the FTP connections and does not affect the Windows/CIFS connections (i.e. it will not correct the display of the file names in the Windows Explorer).

## Apply

Click here to accept and save the settings.

## Reset

Click here to restore the previous settings.

## Media Server

Using the Media Server you can play back data on UPnP/DLNA compatible media devices such as game consoles (e.g. Xbox, PSP, Wii, ...), digital media players, digital picture frames, cameras, other NAS storage units, PCs, or mobile devices. The NAS server can classify these media data (e.g. by artist or genre) and indexes them to make searching faster. If the media data are not displayed correctly or are not classified, update the data.



### PLEASE NOTE!

To be able to use the UPnP/DLNA applications on the NAS server, the Media Server must be activated.

## Status

### Number of Music Tracks

The total number of music files that are jointly used on the NAS server is displayed here.

The NAS server scans the shared media files in all areas that have been shared under **Applications->Media Server->Share Publish**.

### Number of Photos

The total number of photo files that are jointly used on the NAS server is displayed here.

The NAS server scans the shared media files in all areas that have been shared under **Applications->Media Server->Share Publish**.

## Number of Videos

The total number of video files that are jointly used on the NAS server is displayed here.

The NAS server scans the shared media files in all areas that have been shared under **Applications->Media Server->Share Publish**.

## Refresh

Click on this field to refresh the view.

## Rebuild Database

Click on this field if the media clients do not display the shared files on the Media Server.



### PLEASE NOTE!

If this happens, also check the share settings of the applications under **Media Server->Share Publish** if no files are displayed in the Media Server.

## Share Publish

Here you can select shares for joint use (e.g. for use with media clients such as DMA-2500 or iTunes®).

## Publish

Select the shares that the Media Server is to share with other media clients.

## Share Name

Here, the shares on the NAS server are displayed by name.

## Publish Music Tracks

Select this field to permit media clients to access the music files on the NAS server.

## Publish Photos

Select this field to permit media clients to access the photo files on the NAS server.

## Publish Videos

Select this field to permit media clients to access the video files on the NAS server.

## Apply

Click here to accept and save the settings.

## Reset

Click here to restore the previous settings.

## iTunes server

If you activate the iTunes® server support on the NAS server, then all users will have to use iTunes® in order to play back the music files from the shared folders.

## Download Service

The NAS server uses the download service to download files from the Internet. Manage your file downloads here.



### NOTE!

In the standard setting, the NAS server saves the downloads in the "Download" folder of the administrator.

## Download Service

Click on **"ON"** and then on the field **"Apply"** to enable or disable the download service. When the download service is disabled, all ongoing downloads are paused and the files are queued for download. If you re-enable the download service, the downloads are resumed or restarted (if the resume fails). The downloads are listed in the table. Click on a column to sort the entries according to the following criteria.

### Active

All files currently being downloaded by the NAS server or being shared with other BitTorrent users appear here.

The NAS server can download a maximum of 5 tasks simultaneously (or less, depending on how much system memory is available). If you add more tasks, they will appear in the window **Inactive**.

BitTorrent downloads may briefly appear in the window **"Inactive"** before they are displayed in the window **"Active"**. The NAS server automatically moves completely downloaded files to the window **"Completed"**.

### Inactive

All files queued for download (Queue) or whose download was paused appear here.

### Completed

All files that have been completely downloaded appear here.

The column **"Location"** shows where the file has been saved on the NAS server. Click on the storage location to open Windows Explorer and access the file directly.

## Error

All files whose download failed are listed here. The NAS server automatically tries to restart failed downloads. If the repeated attempt does not succeed, the NAS server ends the download attempt and the download appears in the column "**Error**". To attempt the download again, use the field "**Add**" or create a new download.

You can edit download entries using the following buttons:

## Add

Once you have located a file that you would like to download, copy the file URL. Then log in to the Weg configurator and call up the menus **Applications** -> **Download Server**. Click on the field "**Add**" and enter the file URL. You can also enter a BitTorrent file instead of a file URL.

## Select Files

Select a Torrent file and click on the entry to download the individual files of this Torrent.

The window "**Select Files**" appears. Select the files you would like to download and click on OK.

## Delete

To delete downloads (or remove already downloaded files from the window "**Completed**"), choose a download task and click on "**Delete**" to remove it from the list.

A confirmation window appears. Click on "**Apply**" to delete the task or click on "**Cancel**". If you delete a download task, you can choose which files of the download you would like to delete. The Delete function deletes the downloaded file, and for BitTorrent files it will also delete the associated .torrent file.

You can use the SHIFT and Ctrl keys to make multiple selections.

## Pause

Select a download task here whose download you would like to pause.

Paused downloads appear in the window "**Inactive**".

You can use the SHIFT and Ctrl keys to make multiple selections.

## Resume

To resume a paused download, click on the field "**Resume**".

If you click on a completed download, the file will be downloaded again.

If you would like to reseed a BitTorrent, leave the Torrent file and the downloaded files at their original storage locations.

## Refresh

You can refresh the view here.



## Preferences

Open this window to define where downloaded files will be stored and to make the settings for BitTorrents.

## Task Info

Additional information about the download task is shown here.

## Status

The status of the individual download is displayed here.

**Completed:** The NAS server has downloaded the file completely.

**Seeding:** The download is complete and the NAS server is providing it for other BitTorrent users to download.

**Downloading:** The NAS server is currently downloading the file.

**Queued:** The download is in the queue.

**Pause:** The download has been paused. Click on this entry and then select "**Resume**" to resume the download.

**Error:** The NAS server was unable to complete the download. Click on this entry and then select "**Resume**" to restart the download.

## Name

The name of the download is displayed here. The dots "... " indicates a longer file name. Move the cursor over the entry to display the complete name.

## Location

You will see the file path of the download in the window "**Complete**". Click on the storage location to open the file browser and access the file directly.

## Complete (%)

This shows by how much (in percent) of the download has already been downloaded.

## Seeds

BitTorrent files are "seeded", meaning they are already provided to other BitTorrent users during the download. The number of computers who have the complete download file is displayed here.

The value is displayed in the format "**Leeches(Seeds)**", whereby Leeches refer to participants who do not have the complete file yet and are also downloading them. "Seeds" are the participants who already have the complete download file.

## Peers

Peers are all computers that are currently downloading the Torrent or are sharing with other computers in order to download. The value is shown in the format "**Connected Peers (All Peers)[Healthy]**". "**Connected Peers**" are computers to which the NAS server is connected and are downloading the file. "**All Peers**" is the total number of computers to which

the NAS server can connect in order to download the file. "**Health**" shows the availability of the file.

## Download Speed

The speed with which the file is downloaded from the NAS server is indicated here.

BitTorrents usually begin at a slower speed, because many connections are being established. The download speed then increases during the course of the download process and then decreases again towards the end.

## Upload Speed

The rate at which the file is being uploaded from the NAS server to other BitTorrent users is indicated here.

## Time Left

This shows the remaining time in hours, minutes and seconds until the download is completed at the current download speed.

## Priority

You can use the priority to set which download tasks have priority over others. You can set the priority for current downloads and those in the queue to **High** or **Auto**. If you use the setting "**High**", the corresponding download is downloaded before all others. In you use the setting "**Auto**", the download is queued normally in the queue.

## Error Code

If a download is faulty, the error is displayed here along with a code.

## Error Message

This is an error message that describes in more detail why the download failed.

## Adding a Download Task

With this window you can add a new download.

## Source

### URL

Enter the URL of the file to be downloaded.

The URL can be an HTTP link, an FTP link or a BitTorrent.

For a BitTorrent, copy the URL of the .torrent file and insert it here.

The NAS server then automatically downloads the associated .torrent file and uses it for the download.



### PLEASE NOTE!

Make sure that the link either opens the file you want to download or makes a pop-up window appear where you can edit the file. If you are then shown a window with the message that the download will begin in a few seconds, click on the link if the download does not start automatically.

## Torrent File

The .torrent file contains information that the NAS server needs for a BitTorrent download. A Torrent file uses the .torrent file extension. If your computer already has .torrent files, then enter the path to the .torrent file or click on **"Browse"** to search for the file in the directories on your computer.

## Location of Downloaded Files

Here you can specify which storage location is to be used for new downloads (**"Put incomplete downloads in"**) and where the NAS server is to move completed downloads (**"Move completed downloads to"**).

The **"Share"** column shows the user of the share from where the file is being downloaded.

In the column **"Path"**, you can see where the NAS server stores the file.

- BitTorrent downloads are stored under **/\*/\*incoming** (where **"\*\*"** is the folder you specified).
- HTTP/FTP downloads are stored under **/\*** (where **"\*\*"** is the folder you specified).

## Edit

Click on Edit. In the new window you can now edit the storage locations for **"Put incomplete downloads in"** and **"Move completed downloads to"**:

- **Share** – Select the owner of the share.
- **Path** – Enter the storage location here or click on **"Browse"** to search for the directory.
- **Current Location** – The file path to the current folder is displayed here.
- **Folder Name** – Enter a new folder name here and click on **"Apply"** to create it.
- **Type** – This displays whether it is a folder or a file
- **Name** – The name of the folder/file.

Select a folder. If you do not specify a folder, a slash (/) will be prefixed in front of the path. All contents in the specified directory are selected automatically.

Click on **"Apply"** or **"Cancel"** to close the window.

## Apply

Click here to accept and save the settings.

## Cancel

Click here to exit the settings without saving.

## General Settings

Use this window to specify the storage location that will be used as standard for downloaded files. The procedure is the same as given in the section "Adding a Download Task" on page 53. You can also set the download periods here.

## Download Period Control

You can define a specific period within which files are to be downloaded.

### Enable Download Period Control

Set the download duration here to **ON** or **OFF**.

### Download Service is active in the time period (hh:mm – hh:mm)

Specify here the period during which the NAS server should automatically download the files.



#### PLEASE NOTE!

If you have disabled the settings for automatic activation/deactivation in the menu "**Maintenance**", make sure that the specified download time does not conflict with the disabling time schedule.

### Apply

Click here to accept and save the settings.

### Rest

Click here to restore the previous settings.

### Cancel

Click here to exit the settings without saving.

## BitTorrent Settings

The BitTorrent configuration can be set in this window.

### Port Number

Enter a port number in the range from 2 to 65536 for BitTorrent downloads. A port number higher than 1025 is recommended.

### DHT

Select **Enable** or **Disable** to enable/disable Distributed Hash Table (DHT) support on the NAS server. DHT provides a more efficient search function during data search than other search methods.

### Maximum Download Rate

Here you can limit the bandwidth for BitTorrent downloads to avoid situations in which other Internet applications in the network do not have sufficient download bandwidth.

Enter the value "**0**" to set no limit.

### Maximum Upload Rate

Here you can limit the bandwidth for BitTorrent downloads to avoid situations in which other Internet applications in the network do not have sufficient upload bandwidth.

Enter the value "**0**" to set no limit.

If you do not enable any uploads (for example, at an upload rate of 1 KB/s), you also cannot share any data with the BitTorrent community.



#### **PLEASE NOTE!**

The settings for the maximum download/upload rate do not influence the data transfer between users that are logged in to the NAS server via the network.

### **Maximum Number of Active Torrents**

Specify here how many BitTorrent downloads you wish to permit at the same time. You can specify a number from 1–5 here.

### **Maximum Number of Seeding Jobs**

Specify here how many BitTorrent seeds you wish to permit at the same time. You can specify a number from 1–10 here.

The specified value may not exceed the value you specified for the maximum number of active Torrents.

### **Maximum Number of Active Connections**

Enter the maximum number of connections you will permit on the NAS server. Specify a value between 20 and 450. The value represents the number of computers that can connect to the NAS server in order to download data from the NAS server.

### **Keep Sharing While**

For BitTorrent downloads, the files are provided to other BitTorrent users as upload already during the download procedure (sharing). Specify here how long a file will continue to be provided to users after it has been downloaded. In the field **Upload/Download Ratio** you can specify the amount of data that will be provided to other users as an upload in comparison with the already downloaded file size (in percent).

In the field "**Or Seeding Time**", you can set how many minutes a file will be provided to other users after it has been downloaded.

If you provide files after the download, you enable other BitTorrent users to complete their downloads.

Enter a value of –1 to provide the files indefinitely.

Leave both fields blank if the NAS server is to end the sharing as soon as the download is complete.

If you fill in both options, the NAS server will continue to provide a file to other users until both conditions are fulfilled. If, for example, you have specified a value of 150% as upload/download ratio and 120 minutes in the field "**Or Seeding Time**", the NAS server will provide the file until 150% of the file size of data was uploaded and 120 minutes have elapsed.

### **Edit IP Filter**

Here you can edit the IP address filtering for BitTorrent downloads.

## **Apply**

Click here to accept and save the settings.

## **Reset**

Click here to restore the previous settings.

## **Cancel**

Click here to exit the settings without saving.

## **Edit IP Filter**

In this window you can edit the IP address filtering for BitTorrent downloads. IP address filtering blocks IP addresses that are known to send fake/counterfeit files. You can specify an IP filter list from a website for this, or use your own list.

## **Enable IP Filter**

Here you can switch the IP address filtering for BitTorrent downloads on or off.

## **Update IP Filter Table File from the Internet Every Week**

Enter a URL here from which the IP filter table is to be obtained.

If you change the URL of the filter list, the NAS server updates the list as soon as you click on "**Apply**".

## **Upload IP Filter Table**

You can upload your own IP filter list from your computer. Click on the field "**Browse**" to search for the filter list file and then click on "**Upload**" to save it on the NAS server.

The NAS server supports IP filter lists of the type .txt, .dat, .gz, .tgz and .tar. The filter list file is stored in the folder **/admin/download/**.

## **Download Current IP Filter Table**

Click on this entry to save a copy of the currently used filter list to your computer.

## **Apply**

Click here to accept and save the settings.

## **Cancel**

Click here to exit the settings without saving.

## **Displaying the Task Information**

Here you can view the details of an individual task.

## **Status**

The current status of the task is displayed here.

## **Name**

The name of the task appears here.

## Size

The file size of the file to be downloaded is displayed here.

## Uploaded/Downloaded Ratio

The relation between the total amount of downloaded data and uploaded data is displayed here.

## Complete

This shows how much data has already been downloaded.

## Seeds

The number of computers who have the complete download file is displayed here.

## Peers

Peers are all computers that are currently downloading the Torrent or are sharing with other computers in order to download. The value is shown in the format "**Connected Peers (All Peers)**".

## Download Speed

This displays the speed with which the NAS server is downloading the file.

## Upload Speed

This displays the speed with which the file from the NAS server is being uploaded to other users.

## Health

This field shows how many complete copies are available for this task. The higher the value, the more efficiently the download can proceed. For a value less than 1 (e.g., 0.65), there is no complete copy of the file and the NAS server will not be able to complete the download.

## Time Left

This shows the remaining time in hours, minutes and seconds until the download is completed at the current download speed.

## Priority

You can use the priority to set which download tasks have priority over others. You can set the priority for current downloads and those in the queue to **High** or **Auto**. If you use the setting "**High**", the corresponding download is downloaded before all others. In you use the setting "**Auto**", the download is queued normally in the queue.

## Comment

Enter a description for the task and click on "**Apply**" to save the description.

## Start Time

This displays the time when the NAS server started downloading the file.

## Completed on

This displays the time when the NAS server ended the file download.

## Info-Hash

The Hash info verifies the .torrent file.

## Tracker

This displays the tracker that the NAS server connected to for the download. A tracker is a server that is used to find peers for the file download.

## Close

Click on this entry to close the window.

## Print Server

In this window you can view the jobs for the printers that are connected to the NAS server.

## Rename

Here you can edit the name of a printer that is used by the NAS server.

## Cancel Job

Click on this entry to cancel all jobs on the selected printer that are running via the NAS server.

## Delete

Click on this entry to remove a printer from the printer list. To re-add the printer, disconnect the USB connection to the NAS server and then simply reconnect the printer. If this does not work, then disconnect the USB connection to the NAS server and switch off the printer. Then reconnect the printer and switch it back on.

## Refresh

Click on this entry to refresh the list of printers.

The printers and the print jobs in the queue are listed in the table. Click on a column to sort the entries according to the following criteria.

This displays whether a printer is connected and switched on (**on-line**) or switched off (**off-line**).

## Name

The name is used to identify the printer. Every printed logged on to the NAS server must use its own name.

## Print Server Rename

Use this window to edit the name of a printer that is used by the NAS server.



**Name**

Enter a new name here. The name must differ from the names of other printers that are logged in to the NAS server.

**Apply**

Click here to accept and save the settings.

**Cancel**

Click here to exit the settings without saving.

## OTC Button

The OTC button (One Touch Copy) on the front of the server can synchronize and copy data between the NAS server and a USB data medium that is connected to the front USB port. You can make all settings for the OTC button in this menu.

### Copy Settings

#### NAS Copy Target

Select the share on the NAS server where the files are to be stored when using the copy function of the OTC button.

#### USB Volume

This displays the USB data medium that was last connected to the front USB port. If the USB data medium contains several partitions, choose the partition to which the files are to be stored.

#### Copy Direction

Select **USB -> NAS** to copy files from the USB data medium to the NAS server, or select **NAS -> USB** to copy the files from the NAS server to the partition of the USB data medium specified above.

#### Create a New Folder for Copied Files

Here you can set the system up so that a new folder is created on the NAS server each time data are copied to the NAS server using the OTC function. The folders that are automatically created by the NAS server are designated with the date and time in the folder name.

#### Backup Files to be Replaced

This function is only available if you did not specify in the upper area that a new folder is to be created for every copy procedure.

If you select the function "**Backup Files to be Replaced**", the files to be replaced will be backed up during every copy procedure.

#### Backup Target

Specify a storage location on the NAS server to which the backup files will be saved during copying.



#### NOTE!

The NAS server does not create a new folder to save backup files. We therefore recommend creating a separate folder (e.g. "**Backup**") for this.

## Sync Settings

### NAS Sync Target

Select the share on the NAS server where the files will be stored when using the synchronisation function of the OTC button.

### USB Volume

This displays the partition of the USB data medium that was last connected to the front USB port. If the USB data medium contains several partitions, choose the partition where the files for synchronisation will be stored.

### Sync Direction

Select **USB -> NAS** to copy the files from the USB data carrier to the NAS server during synchronisation, or select **NAS -> USB** to copy the files from the NAS server to the above specified partition of the USB data medium during synchronisation.

Select **NAS <-> USB** so that the files are synchronised on both data mediums: the NAS server and the USB partition.



#### NOTE!

If two files (one on the NAS server and another on the USB partition) have the same file name but have a different last modified date (last modified > 5 minutes), the NAS server will keep the newest file and delete the older version after the synchronisation.

If two files (one on the NAS server and another on the USB partition) have the same file name but have a different last modified date (last modified > 5 minutes), the NAS server will keep both versions after the synchronisation.

### Backup Files to be Replaced or Removed

Choose this option to back up files that are going to be replaced during synchronising.

### Backup Target

Specify a storage location on the NAS server where the backup files will be saved during synchronisation.



#### PLEASE NOTE!

The NAS server does not create a new folder to save backup files. We therefore recommend creating a separate folder (e.g. "**Backup**") for this.

### Apply

Click here to accept and save the settings.

### Cancel

Click here to restore the previous settings.

# Package Management

Use the Package Management option to add further applications to the NAS server. The NAS server automatically downloads the package files and carries out all further installation steps.

## Package Management Screen

You can download and install applications via the Internet in this window. Click on "**Retrieve List from Internet**" to update the list of applications. But make sure beforehand that the NAS server is connected to the Internet.

### Retrieve List From Internet

Click on this entry to obtain a list of the available applications from the Medion server.

### Install/Upgrade

Select an application from the list and click on the field "**Install/Upgrade**" to install the selected application or to update an already existing installation.

### Uninstall/Cancel Installation

Select an application from the list and click on the field "**Uninstall/Cancel Installation**" to uninstall an existing installation or to cancel a running installation.

This function is only available for applications that have already been installed or where the installation has already started.

### Enable

This option is only available to applications that are already incorporated in the system.

Select an application from the list and click on "**Enable**" to activate the corresponding application. This function is only available if the application has already been installed.

### Disable

This option is only available to applications that are already incorporated in the system.

Select an application from the list and click on "**Disable**" to deactivate the corresponding application. To be able to use this application again, you will have to reactivate it. This function is only available if the application has already been installed.

## Package Information

Select an application from the list and click on this entry to view the package information.

## Status

The current status of the application is displayed as follows:

**Not installed** – The applications are not yet installed on the NAS server.

**Installing (%)** – The application is being installed. The percentage indicates the progress of the installation.

**Built-in** – The application is part of the NAS server and can be set using the Web configurator.

**Enabled** – The application is installed on the NAS server and uses its own Web configurator and is activated.

**Disabled** – The application is installed on the NAS server and uses its own Web configurator and is not activated.

**Unknown** – The location of the application is not available via the Internet.

## Package Name

The name of the application appears here.

## Requires

If additional packages are needed for the application, then they are displayed here.



### PLEASE NOTE!

These additional packages are automatically deactivated/activated when the main application is deactivated/activated.

## Version

The version number of the package appears here.

A symbol indicates that a newer version of the application is available. Move the mouse cursor over this symbol to display the version number. Select the entry and click on **Install/Upgrade** to install the new version of the application.

## Description

A short description of the application is displayed here.

## Management Page

The storage location of the setting menu or the Web configurator of the application is displayed here (after the application has been installed on the NAS server).

## Package Information

Here you can view the details about an individual package.

### Status

The current status of the application is displayed as follows:

**Not installed** – The applications are not yet installed on the NAS server.

**Installing (%)** – The application is being installed. The percentage indicates the progress of the installation.

**Built-in** – The application is part of the NAS server and can be set using the Web configurator.

**Enabled** – The application is installed on the NAS server and uses its own Web configurator and is activated.

**Disabled** – The application is installed on the NAS server and uses its own Web configurator and is not activated.

**Unknown** – The location of the application is not available via the Internet.

### Name

The name of the application appears here.

### Size

The size of the application is displayed here before the download starts.

### Needed Space

The disk space required to be able to complete the installation of the application.

### Version

The version number of the application.

### Requires

If additional packages are required for the application, this will be displayed here.

### Required By

If additional packages are required for the application, then the required packages are displayed here.

### Source

This shows the location of the installed application.

### Description

A short description of the application.

## Management Page

The storage location of the setting menu or the Web configurator of the application is displayed here (after the application has been installed on the NAS server).

### Close

Click on this entry to close the window.

## Flickr/YouTube

You can use the Flickr/YouTube function to upload media files directly from the NAS server to the Flickr or YouTube websites. You can also link the NAS server to your Flickr or YouTube account and select the files for the NAS server to upload. The NAS server then loads the files from the specifically set up folders to your Flickr or YouTube account. In this case, if you add new files to the shared folders, they will be automatically uploaded to the Flickr or YouTube account.

### Flickr

This is where you make the settings for uploading photos and videos to a Flickr account.

### Disable/Enable

Choose a service (Flickr or YouTube) in order to activate or deactivate it. If you deactivate a service and then move the files to one of the monitored folders, they will not be uploaded until the service is reactivated.

### Resume/Pause

Select a service from the list and click on this entry to pause or resume the upload.

### Config

Select a service from the list and click on "**Config**" to make settings for the service.

### Status

The status of the service is specified here as **Enabled**, **Disabled**, **Uploading** or **Paused**.

### Account Information

The user name and further information about the respective account is displayed in this field.

## Flickr Settings

As soon as the NAS server is able to log into your Flickr account with your access data, you can edit the upload function:

### Flickr Account Configuration

#### Username

This displays the Flickr account to be used for the uploads.

#### Photo Space Usage

This displays how much disk space is currently being used for photos on your Flickr account and how much available disk space you still have.

#### Video Files Usage

This displays how much disk space is currently being used for videos on your Flickr account and how much disk space is still available.

### Folder Selection

#### Folder Watch List

This list shows all folders that are designated for uploads. Files in these folders are loaded to the Flickr account.

#### Status

This shows whether a folder is available.

A folder symbol indicates a valid folder that is available for uploads.

A crossed out folder symbol indicates a missing folder. The folder has either been deleted from the NAS server, or is on a data medium that is no longer connected.

#### Share Name

The name of the share appears here.

#### Path

The folder path is displayed here. The NAS server only uploads files that are in the directory specified here.

#### Action

Select the recycle bin icon to remove folders from the list of monitored folders.

#### Add

Choose this entry and, in the the next window, select a folder that you would like to add to the list of monitored folders.

**Share** – Select the share from the list.

**Path** – Enter the path of the folder or click on "**Browse**" to search for the folder. Select a folder. If you do not specify a folder, a slash (/) will appear in the field "**Path**". All contents of the selected share are chosen automatically.

Click on Accept to save the settings, or click on **Cancel** to exit the settings



without saving.

## Grace Period

### Grace Period N minutes

Enter the time interval after which the NAS server will upload newly added files. For example, if you specify a time of 5 minutes, the files newly added to the monitored folders will be loaded to the corresponding account after 5 minutes. You can specify a range from 1 to 10080 minutes (1 week).

## Default Privacy

### Who can see your media files on Flickr?

Specify who may view your files on the Flickr account here:

Select **"Only You"** if you do not want other users to view your files. You can also specify **"Your Friends"** or **"Your Family"**. You can adjust the settings for user groups, such as Friends or Family, in your Flickr account.

### Select Anyone to allow everyone to see your files.

Choose this entry if you want your pictures are to be viewable by everyone.

### Hide from public site area

Choose this setting so that your pictures will not be found when non-members search the Flickr site for pictures.

## Default Safety Level

Specify a safety level for your data here:

Choose **"Safe"** if the contents of your files are harmless to the community.

Choose **"Moderate"** if the contents of your files could be offensive to some people.

Choose **"Restricted"** if the contents of your files might be unsuitable for specific groups (such as children or your co-workers).

## Default Content Type

Specify a type for your files here. You can choose between **Photos/Videos**, **Screenshots/Screencasts**, or **Illustration/Art/Animation/CGI**.

## Apply

Click here to accept and save the settings.

## Reset

Click here to restore the previous settings.

## YouTube

Here is where you can make settings for uploading videos to a YouTube account.

### Disable/Enable

Choose a service (Flickr or YouTube) in order to activate or deactivate it. If you deactivate a service and then move the files to one of the monitored folders, they will not be uploaded until the service is reactivated.

### Resume/Pause

Select a service from the list and click on this entry to pause or resume the upload.

### Config

Select a service from the list and click on "**Config**" to make settings for the service.

### Status

The status of the service is specified here as **Enabled**, **Disabled**, **Uploading** or **Paused**.

### Service Name

The URL/name of the website to which the NAS server automatically uploads data is displayed here.

### Account Information

The user name and further information about the respective account is displayed in this field.

## YouTube Settings



### PLEASE NOTE!

To upload a file, your YouTube account must be linked to a Google account.

Use your Google account to log in to the YouTube page. You can also link an already existing YouTube account to a Google account. As soon as the NAS server recognises the YouTube account, you can start making settings for uploading videos.

## YouTube Account Configuration

### Username

This displays the YouTube account to be used for the uploads.

### Switch User

Click on this entry to specify a different user.

## Folder Selection

### Folder Watch List

This list shows all folders that are designated for uploads. Files in these folders are loaded to the YouTube account.

### Status

This shows whether a folder is available.

A folder symbol indicates a valid folder that is available for uploads.

A crossed out folder symbol indicates a missing folder. The folder has either been deleted from the NAS server, or is on a data medium that is no longer connected.

### Share Name

The name of the share appears here.

### Path

The folder path is displayed here. The NAS server only uploads files that are in the directory specified here.

### Action

Select the recycle bin icon to remove folders from the list of monitored folders.

### Add

Choose this entry and, in the the next window, select a folder that you would like to add to the list of monitored folders.

**Share** – Select the share from the list.

**Path** – Enter the path of the folder or click on "Search" to search for the folder.

**Current Location** – The storage location of the currently selected folder is displayed here.

**Folder Name** – Here you can enter a folder name to create a new folder.

**Type** – This displays the folder/file type.

**Name** – This displays the name of the folder/file.

Select a folder. If you do not specify a folder, a slash (/) will appear in the field "Path". All contents of the selected share are chosen automatically.

Click on Accept to save the settings, or click on Cancel to exit the settings without saving.

### Grace Period

#### Grace Period N minutes

Enter the time interval after which the NAS server will upload newly added files. For example, if you specify a time of 5 minutes, the files newly added to the monitored folders will be loaded to the corresponding account after 5 minutes. You can specify a range from 1 to 10080 minutes (1 week).

## Video Category

Select a category that describes the content of the video you would like to upload.

## Default Privacy

### Who can see your media files on YouTube?

Specify here who may view your files on your YouTube account:

Select **"Only You"** if you do not want other users to view your files.

Select **"Anyone"** so that all users can view your files.

### Apply

Click here to accept and save the settings.

### Reset

Click here to restore the previous settings.

## FTP Uploadr

Use the FTP Uploadr function to upload files from your NAS server to an FTP server. In addition to the media server function of the NAS server, you can also share media files with other users via FTP upload. You can link the NAS server to an FTP server, or link the FTP server to a further NAS server and select there the shared folders whose contents will be uploaded. When you save new files in the shared folders, they will be uploaded to the FTP server.

Use this menu to configure the FTP upload function.

### FTP Uploadr

Click on **ON** or **OFF** to activate or deactivate the FTP uploader.

When you stop the FTP uploader, a window appears prompting you to confirm this.

If you set a checkmark in the bottom field, all currently queued upload jobs are stopped immediately when the loader stops.

If you do not set a checkmark, all currently queued upload jobs are completed first before exiting.

Click on **"Yes"** to stop the FTP uploader.

### Add

Click on this entry to add an FTP server as upload target.

### Edit

Select a server from the list and choose this entry to edit the settings for this FTP server.

### Delete

Select a server from the list and choose this entry to delete the FTP server from the list.

## Info

Select a server from the list and choose this entry to display the status and the settings of the FTP server.

### Domain Name/IP Address

The name of the domain or the IP address of the FTP server is displayed here.

### Port Number

The port number that is used by the FTP server is displayed here.

### Remote Path

The NAS server automatically uploads the files to this path on the FTP server.

### Account Name

The login account of the FTP server is displayed here.

### Description

Additional information, such as a description of the FTP server, is displayed here.

## Adding or Editing an FTP Server Entry

Click on this entry to add or edit an FTP server.

### Domain Name/IP Address

Enter the name of the domain or the IP address of the FTP server here.

### Account Name

Enter the name of the account that will be used to log in to the FTP server.

### Password

Enter the password of the user account here.

### Port Number

Enter the port number of the FTP server here.

### Remote Path

Specify the path on the FTP server to which the files will be uploaded.

### Description

Here you can enter a description for the FTP server.

### Test Connection

Click on this entry to establish a connection to the FTP server in order to test the settings.

### Apply

Click here to accept and save the settings.

## Cancel

Click here to exit the settings without saving.

## FTP Uploadr Preferences

On the "**Preferences**" page you can make the basic settings for the FTP Uploadr.

### Folder Watch List

#### Status

This field indicates whether a share or a folder is available.

A folder symbol indicates a valid folder that is available for uploads.

A crossed out folder symbol indicates a missing folder. The folder has either been deleted from the NAS server, or is on a data medium that is no longer connected.

#### Share Name

The name of the share appears here.

#### Path

The folder path is displayed here. The NAS server only uploads files that are in the directory specified here.

#### Action

Select the symbol "**Remove**" to remove the folder from the list of monitored folders.

#### Add

Choose this entry and, in the the next window, select a folder that you would like to add to the list of monitored folders.

**Share** – Select the share from the list.

**Path** – Enter the path of the folder or click on "**Browse**" to search for the folder.

**Current Location** – The location of the currently selected folder is displayed here.

**Folder Name** – Here you can enter a new folder name.

**Type** – This displays the folder/file type.

**Name** – This displays the folder/file.

Select a folder. If you do not specify a folder, a slash (/) will appear in the field "**Path**". All contents of the selected share are chosen automatically.

Click on Accept to save the settings, or click on Cancel to exit the settings without saving.

## Settings

### Grace Period

Enter the time interval after which the NAS server will upload newly added files. For example, if you specify a time of 5 minutes, the files newly added to the monitored folders will be loaded to the corresponding account after 5 minutes. You can specify a range from 1 to 10080 minutes (1 week).

### Bandwidth Limit

Specify the maximum bandwidth for the upload. You can specify a bandwidth from 0 to 100,000 KB/s. Enter a value of **0** if you do not want to set a limit. Use the bandwidth limit to ensure that there is some free bandwidth for other users of your network, particularly if the upload bandwidth of your Internet access is limited.

### Apply

Click here to accept and save the settings.

### Reset

Click here to restore the previous settings.

### Close

Click here to close the window without making changes.

# Sharing

## Users

Use the "User" window to create administrator and user accounts. You can also make the following settings for the accounts:

- Set up the volume, shares and users.
- Set up the permissions and shares for individual users.

Users are computers who have sufficient permissions to log in to the NAS server and store data there. A user can have the following permissions:

- Manage shares that he owns.
- Change his password.
- Receive access to contents of other shares for which he possesses permissions.

## User List

In this window you can create and manage user accounts.

### Add

Click on this entry to create a new user.

### Edit

Select a user account from the list and click on "**Edit**" to configure the account.

### Delete

Select a user account from the list and click on "**Delete**" to delete the user account. You must confirm the deletion in the next window.

### Search

Click on "**Search**" and enter the name of the user account you are searching for. Click on "**Apply**" to start the search, or click on "**Cancel**" to close the search window.

### Info

Select a user account from the list and click on "**Info**" to view the utilised disk space of the user account on the NAS server. The group memberships of the user account are also displayed here.

### User Type

This displays whether the account is a user account or an administrator account.

### Username

The user name affiliated with the account is displayed here.

### Go to Page

Click on "**Go to Page**" to expand the user accounts view.

### Display Number



Click on this entry to specify how many user accounts you want to display on the page.

## Adding or Editing an Account

Here you can create a new user or edit the data of an existing account:

### Username

Enter a name consisting of 1 to 32 individual ASCII characters (Chinese character sets are not allowed).

### Old Password

If the user already exists, enter the existing password.

### New Password

Enter a new password here. The password may consist of 14 individual ASCII characters (Chinese character sets are not allowed).

### Password (Confirm)

Enter the new password again.

### Account Type

Select "**Administrator**" as account type if the user is to assigned permissions to edit all configurations and access to all settings.

Select "**User**" if the user is only to receive the basic permissions to access the NAS server. A user can manage his own shared folders, change his password and call up the contents of other shared folders to which he has access rights.

## Group Membership

### Available Group(s)

This displays all groups created on the NAS server to which the selected user does not yet have a membership.

### Group Membership

This displays all groups created on the NAS server in which the selected user is already a member.

### Add Selected Group(s)

Select a group from the list of available groups and click on this field to add the user to this group.

### Remove Selected Group(s)

Select a group from the list of available groups and click on this field to remove the user from this group.

### Apply

Click here to accept and save the settings.

## **Cancel**

Click here to exit the settings without saving.

## **Adding or Editing User Group Membership**

In this window you can edit a user's group membership.

### **Available Group(s)**

This displays all groups created on the NAS server in which the selected user account does not yet have a membership.

### **Group Membership**

This displays all groups created on the NAS server in which the selected user is already a member.

### **Add Selected Group(s)**

Select a group from the list of available groups and click on this field to add the user to this group.

### **Remove Selected Group(s)**

Select a group from the list of available groups and click on this field to remove the user from this group.

## **Apply**

Click here to accept and save the settings.

## **Cancel**

Click here to exit the settings without saving.

## **Displaying User Info**

Here you can view information about a user.

### **Username**

The user name is displayed here.

### **Group Name**

This displays all groups created on the NAS server in which the selected user is already a member.

## **OK**

Click on **OK** to close the window.

## **Groups**

### **The Groups Screen**

In this window you can create and edit groups.

### **Add**

Click here to add a new group in the next window.

## **Edit**

Select a group from the list of available groups and click on this field to edit the settings to this group.

## **Delete**

Select a group from the list of available groups and click on this field to delete this group in the next window.

## **Search**

Click on "**Search**" and enter the name of the group you are searching for. Click on "**Apply**" to start the search, or click on "**Cancel**" to close the search window.

## **Go to Page**

Click on "**Go to Page**" to select the number of the page whose group listing you want to display.

## **Display Number**

Click on this entry to specify how many groups you want to display on the page.

## **Status**

The status of the group is displayed by a symbol here.

## **Group Name**

The name of the group that is stored on the NAS server for this group is displayed here.

## **Adding or Editing a Group**

In this window you can create a user group on the NAS server.

### **Group Name**

Enter a name consisting of 1 to 32 individual ASCII characters (Chinese character sets are not allowed).

### **Group Membership**

Assign a group membership to a single user.

### **Available User(s)**

This displays all users created on the NAS server who do not yet belong to the currently selected group.

### **Group Membership**

This displays the users who belong to the group.

### **Add Selected User(s)**

Select a user from the list of available users and click on this entry to add the user to the group.

## Remove Selected User(s)

Select a user from the list of available users and click on this entry to remove the user from the group.

## Apply

Click here to accept and save the settings.

## Cancel

Click here to exit the settings without saving.

## Shares

This window lists all shares that are on the NAS server.

### Add

You can create a new share here.

### Edit

Select a share and click on this entry to edit the share.

### Delete

Select a share and click on this entry to deactivate the share or to delete the share and its entire contents.

### Settings

Click on "**Settings**" to start or stop Windows offline synchronisation.

### Recycle Bin

Click on this field to configure the recycle bin as described under "Recycle Bin Configuration" on page 83.

### Browse

Select a share and click on this entry to browse the share for contents.

### Status

The status of the share is displayed here:

### Share Type

This field displays the following shares:

- Incorporated system shares. You cannot delete these shares (they are public shares and administrator shares).
- Predefined or standard shares. You cannot delete these shares (they are the **Video**, **Music** and **Photo** shares).
- Subsequently added shares that have been created by administrators.
- Automatic shares that were created when connecting an external data medium to this one.

## Share Name

The name of the share is displayed here.

## Share Path

The share's path is displayed here.

## Share Owner

This displays the user account to which the share is affiliated.

## Permission Type

This field displays the access permissions for a share.

Every user in the network can access a public share.

Only administrators can access a private share.

Special access rights for single users can be set up for an expanded share (e.g. read-only access).

## Adding or Editing Share

In this window you can edit or add shares.

### Share Name

Enter a name consisting of 1 to 239 ASCII characters (but do not use Chinese character sets). The name may not already be in use by an existing share.

### Volume

If you have already created volumes on the NAS server, then you may select the volume here that contains the folder you wish to share.



#### **PLEASE NOTE!**

You cannot edit the folder while you are setting up a share for it!

### Make this share owned by

Select the administrator or user account that will own (manage) this share. The owner of the share can then set up the access restrictions for the share.

### Enable this share

Click here to activate the access to the share.

### Enable Recycle Bin

Click on this entry to activate the share's recycle bin. If you delete a file in this share, this will create a recycle bin where the deleted files are stored.

### Publish this share to Media Server

Choose this entry so that the folder contents of this share can be shared with media clients. The media clients can then access the media files without a password.

## Share Access

Here you can set up access rights for users or groups. If you activate the share for the Media server or the Internet, all users will receive read access, regardless of the settings you have made here.

**"Keep it private to owner"** means that only the owner of the share has access to this share.

**"Make it Public"** means that every user (even users who are not logged in to the NAS server as users) have access to this share.

The **"Advanced"** settings let you set up individual access rights (**full, read only** or **deny**) for users/groups.

## Edit

This entry is only available if you selected **"Advanced Share Access"** above. Click on this entry to make the following extended settings.

## Apply

Click here to accept and save the settings.

## Cancel

Click here to exit the settings without saving.

## Configuring Advanced Share Access

In this window you can set up individual access rights for users/groups.

### Available Users/Groups

This lists the users/groups you can assign access rights to.

### Authority

Here you can set the access rights for an entry.

**"Full Control"** – The user/group receives complete access (read, write and execute) to all contents in this share.

**"Read-Only"** – The user/group receives read access (read only) to all contents in this share.

**"Deny"** Access for the user/group is blocked for all contents of the share (no read access, no write, no execute).

**"Deny"** possesses the highest priority. For example, if User A belongs to Group 1 and you assign the user full access to the **"Music"** share, but you set the access rights for this user for Group 1 to **"Deny"**, then this user will not be able to access the **"Music"** share.



### PLEASE NOTE!

If you set the access for all users to **"Deny"**, then no user will be able to access the share – not even the administrator.

## Buttons >> and <<

Click on one of the arrows to move the users/groups to the right and left. Use the arrows to assign access rights to the users/groups.

## Apply

Click here to accept and save the settings.

## Cancel

Click here to exit the settings without saving.

## Share Settings Screen

The Windows offline file synchronisation also provides files of the NAS server to your computer in the offline mode so that you can access these data even when you are not connected to the network. When you reconnect to the NAS server, Windows will synchronise any modified files and save these changes to the NAS server. If several users have edited the same file in the offline mode, you can define if you want to save your version, the other version, or both versions. This function can be useful, for example, if you only connect to the NAS server as required.



### PLEASE NOTE!

Deactivate the Oplocks function to improve the performance of the NAS server. If you use the Windows offline file synchronisation on the NAS server, make sure that you set up this function only for the share that contains the files that you want to access in offline mode. To use the Windows offline file synchronisation, activate the Oplocks function.

## Enable oplocks

Select this entry so that Windows users can access the data of the NAS server in offline mode.

## Disable oplocks

If you do not want to provide files in offline mode, deactivate the Oplocks function here.

## Apply

Click here to accept and save the settings.

## Cancel

Click here to exit the settings without saving.



### PLEASE NOTE! Activate Oplocks for Windows offline synchronisation

To activate the Windows offline synchronisation in Windows, right-click in the Windows Explorer on the entry of the share of the NAS server and select the entry "**Always available offline**".

## Recycle Bin Configuration

In this window you can configure the system to regularly delete the data in the recycle bins.

When users delete a file in a share, this creates a recycle bin to which the deleted files are moved to so that they can be recovered if needed. The recycle bin function in the share settings must be activated for this.

### Clean Recycle Bin every N days

Specify here how often the content of all recycle bins is to be deleted. The number of days defines how many days a file is to be kept before it is permanently deleted from the recycle bin.



#### PLEASE NOTE!

A file that is deleted from the recycle bin is irretrievably deleted.

### Clean all recycle bins now

Click on this entry to immediately delete all contents of all recycle bins.

### Apply

Click here to accept and save the settings.

### Cancel

Click here to exit the settings without saving.

## Share Browser

In this window you can create folders in the share and upload and edit files.

### Add

Click on this entry to open a window to create a new folder.

Enter a folder name and click on "**Apply**" to create the folder. The name may consist of 1 to 239 ASCII characters (Chinese character sets are not allowed) and may not be in use by another folder.

### Upload

Click on this entry to load files to the shared drive. Use the "**Browse**" entry to search for the file and then click on "**Apply**" to upload it.

### Rename

Select a folder or a file you would like to rename. Enter the new name and click on "**OK**" to accept the new name.



#### PLEASE NOTE!

Be sure to retain the file extension when you enter a new name!



## **Delete**

Select a folder or a file you would like to delete. Click on "**Yes**" to start the deletion procedure or on "**No**" to cancel the procedure.

## **Move**

Select a folder or a file and click on this entry to move the file/folder to another shared drive.

## **Copy**

Select a folder or a file and click on this entry to copy the file/folder to another shared drive.

## **Type**

The symbol in this column indicates whether the entry is a folder or a file. For music or video files you can click on the play icon next to the entry to play back the file. Click on the folder entry with the arrow icon to display the next higher folder level.

## **Name**

This displays all folders and files of the shared drive. Click on the right next to the name of the folder/file to select the folder/file. You can also click on a folder name to display the subfolders.

## **Size**

The file size of a file is displayed here.

## **Modified Date**

The last change date is displayed in this entry.

## **Go to Page**

Select a page from the window to display further files/folders.

## **Display Number**

You can choose here how many files/folders will be displayed on a page in the current view.

## **Close**

Click on this entry to close the window.

## Moving or Copying Files

In this window you can move or copy files to another shared network drive. Select a file/folder using the browser and click on "**Move**" or "**Copy**" to open the following window:

### Shares

Select the target location.

### Path

The file path of the shared folder is displayed here. You can search for files/folders by clicking on "**Browse**" or enter the path here.

### Browse

Click on this entry to open the following window to specify the storage location of the folder/the file.

"**Current Location**" – The selected folder is here.

"**Folder Name**" – Here you can enter a new name.

"**Type**" – This shows whether it is a folder or a file.

"**Name**" – The name of the folder/the file.

Select a folder. If you do not specify a folder, a slash (/) will be prefixed in front of the path. All contents in the specified directory are selected automatically.

Click on **Apply** or **Cancel** to close the window.

### Apply

Click on this entry to move/copy the folder/file to the specified destination.

### Cancel

Click on this entry to close the window.

# Maintenance

## Power

Here you can edit the power management for the NAS server. Specify after how many minutes the NAS server should deactivate the hard drive(s) if there is no activity. The standard setting is 3 minutes.

## Apply

Click here to accept and save the settings.

## Reset

Click here to restore the previous settings.

## Log

This window displays the log files of the NAS server. Up to 512 logs are stored. Older logs are deleted. You cannot download the log files over FTP or CIFS.

## Display

Choose here which category you want to display.

## Refresh

Click on this entry to refresh the list view.

## Purge all Logs

Click on this entry to delete all protocols.

## Report Config

Click on this entry to open a window to set the e-mail notifications for the protocols.

## Display

All protocols are displayed here. Choose a category to display only protocols from this category.

## #

The consecutive number of the log file is displayed here.

## Time

The creation date of the log file is displayed here. Click on this entry to sort the list in ascending or descending order by date.

## Class

The log category is displayed here.

## Severity

This displays the importance level assigned to the log file by the NAS server.

## Message

The description of a log file is displayed here. Click on a column to sort the entries in ascending or descending order by alphabet.

## Report Config

### Email Setting

You can set up e-mail notifications for the NAS server. To make these settings, click on the entry "**Email Setting**".

#### Enable Log Email

Click on this entry to activate the notification.

#### Email To

Here you can enter the e-mail address to which the log messages will be sent.

#### Email From

Enter the e-mail address that the NAS server will use as sender address.

#### Email Server

Enter the e-mail server address that the NAS server will use.

#### Email Format

Select the e-mail format that the NAS server will use for the e-mails.

#### Use SMTP Authentication

Click on this entry if the e-mail server that the NAS server will use requires a user name and a password.

#### Account

Enter the user name for the e-mail server here.

#### Password

Enter the password for the e-mail server here.

#### Password (confirm)

Enter the password for the e-mail server here again.

#### After applying settings, Send a test email

Click on this entry to send a test e-mail with the settings you have made.

## Report Setting

You can set which categories of log files will be sent as e-mail and how frequently they will be sent.

### Email Alert

Enter the category of warning messages that will be sent.  
Select "**A11**" so that all messages are sent.

## Email Report

Enter the category of log files that will be sent.  
Select "A11" so that all messages are sent.

## Report time

Enter here how often (weekly, daily or hourly) log files will be sent as e-mail, on which weekday (Monday to Sunday) and at which time (hours:minutes).

## Syslog Server Setting

The Syslog server transmits log messages in an IP computer network to a Syslog recipient.

## Enable Syslog server

Here you can activate the Syslog server function.  
In the fields below, specify which protocol categories should be contained in the protocol report.

## Apply

Click here to accept and save the settings.

## Cancel

Click here to exit the settings without saving.

# Configuration

In this window you can save or restore the configurations of the NAS server.

## Backup Current Configuration Settings

### Backup

Click on this entry to save the current configuration of the NAS server on your computer. A confirmation window appears. Click on **"Save"** to save the settings, or click on **"Cancel"** to exit the window.

## Restore Configuration

When restoring the configuration, the NAS server queries all volumes (partitions) and shares of the NAS server and the configuration file. If a volume exists but the share path is missing on the NAS server, the NAS server will create it automatically. If a volume no longer exists, the status of the share will display **"missing Share"**.

### Browse

Click on this entry to search for a previously saved configuration file.

### Restore

Click on this entry to load the configuration settings of the configuration file to the NAS server. The current configuration will be replaced by the one from the configuration file.

A confirmation window appears. Click on **"OK"** to accept the settings, or click on **"Cancel"** to exit the window.

## Reset to Default

### Load Default

This action resets all settings to the standard values and restarts the device.

## FW Upgrade

In this window you can update the firmware of the NAS server.



### **CAUTION!**

***Do not switch off the NAS server during the update procedure!  
This could damage the NAS server!***

## Status

### Current Firmware Version

This displays the current firmware version.

### Periodically Check for Latest Firmware automatically

Set this entry to "ON" so that the NAS server will regularly search for firmware updates. When logging in to the NAS server, you will receive a message if a new firmware version is available.

### Manually Firmware Upgrade

#### Firmware File

Here, you can specify the storage location for the firmware.

#### Browse

Click on this entry to search for the firmware file on the computer.

#### Upload

Click on this entry to upload the new firmware version. The NAS server will restart automatically after the update. Wait until the restart has ended before you log in to the NAS server again.

#### Reset

Click on this entry to reset the file selection.

#### Check for Latest Firmware

Here you can manually check if new firmware is available online.

#### Last check was on

This displays when the NAS server last searched for new firmware.

#### Check Now

Click on this entry to immediately start the online search for new firmware.

## Restart

In this window, click on "**Restart**" to restart the NAS server. The NAS server executes a software restart that is faster than if you switch off the NAS server and switch it back on again. Before the restart, make sure there are no users logged in to the NAS server and that no data is being exchanged with the NAS server.

Confirm the restart with "**Yes**" or click on "**No**" to cancel the restart.



## Do you need more support?

If the suggestions in the previous sections did not remedy your problem, then please contact us. You would help us greatly if you could provide the following information:

- The MD number of your product (for this product it is MD86407)
- Which external devices are connected?
- Which messages appear on the screen?
- At which operating step the problem occur?
- If you have a PC connected to the device:
  - What is the configuration of your computer?
  - Which software were you using when the error occurred?
- Which steps have you already taken to solve the problem?
- Please give us your customer number, if you have already received one.

# Cleaning

You can extend the service life of the device by performing the following measures:

- Before cleaning, always disconnect the mains adapter and all connecting cables.
- Do not use solvents, or corrosive or gaseous cleaning agents.
- Clean the device with a soft, lint-free cloth.

Please keep the packaging material and always use this to transport the device.



## **ATTENTION!**

**There are no parts within the device that require maintenance or cleaning.**

# Disposal



## Packaging

Your device has been packaged to protect it against transportation damage. Packaging materials are raw materials and can therefore be reused or recycled.



## Device

At the end of its service life, the device should not be disposed of with the household rubbish! Please consult your local authority for advice on correct and eco-friendly methods of disposal.




# Technical data

Mains power adapter

Ktec KSAD1200150W1AU

Input (primary):

100–240 V~, 50/60 Hz, 0.4 A

Output (secondary): 12 V  1.5 A

## Connections

2 USB ports (front/back):

USB 2.0

LAN network jack:

RJ-45 (Ethernet 10/100 & Gigabit)

Power input:

12 V  1.5 A

## Hard drive

Interface:

SATA

Capacity:

1 TB (corresponds to 1,000 GB\*)

## General

Dimensions (approx.)

64 x 173 x 135 mm (W x H x D)

Total weight (approx.)

1.1 kg

Operating temperature

5°C to 35°C

Humidity during operation

5% to 65%

\*1 GB corresponds to 1 billion bytes. The actual usable memory capacity can vary.

**Subject to technical and optical changes as well as printing errors.**



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# Licence information



## PLEASE NOTE!

Dear customer,

If you are interested, you can download the source text of the utilised GPL/LGPL from the following link: <http://www.medion.com>. Please specify the corresponding MD number or MSN number in the Download Centre. You will find these numbers on the device. Alternatively we can send you a free data medium with the source text content by post.

If you would like us to do this, please send us an e-mail at [opensource@medion.com](mailto:opensource@medion.com), or call us on

MEDION Help Desk 1300 884 987

(Operating Hours : Mon-Fri 08 :30AM to 06 :00PM EST)

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### Preamble

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St. Leonards, NSW 2065  
Australia

MEDION Help Desk 1 300 884 987  
(Operating Hours : Mon-Fri 08 :30AM to 06 :00PM EST)  
Email: [australia@medion.com](mailto:australia@medion.com)





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