

TREKSTOR[®]
Enjoy now.



TrekStor TV

User Manual

EN

Safety Notes

The following information is important to ensure the safety of the user and to prevent damage to property.

Read the following information carefully before using the TrekStor TV and always use it according to the information given.

English



Warning

Violating instructions may lead to serious injury or death.



Caution

Violating instructions may lead to slight injury or damage to the product.

Instructions



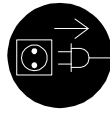
Act prohibited



Contact by wet hand prohibited

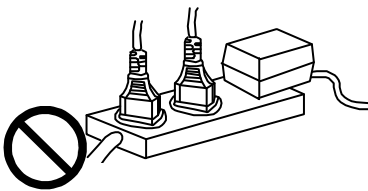


Modification prohibited

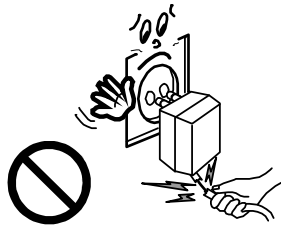


Power plug to be separated from power outlet

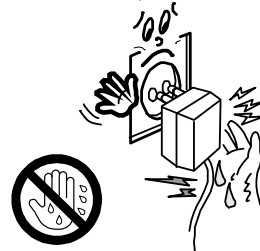
Do not connect a number of power plugs at the same time. (This may generate heat or cause fire.)



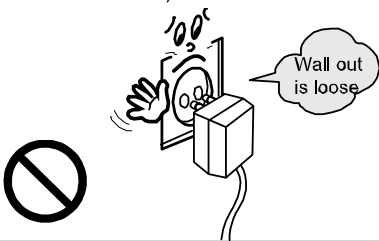
Do not forcefully pull out power cord. (Breakage of power cord may cause fire and electric shock.)



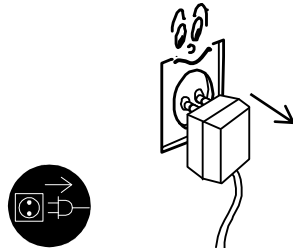
Do not insert or pull out power plug with wet hand. (This may cause electric shock.)



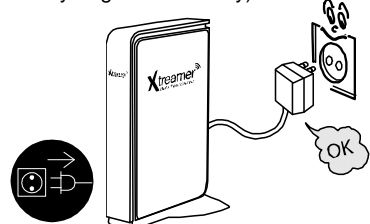
Do not insert power plug if it does not fit the power outlet properly, e.g. if it is loose or too tight. (This may cause fire or electric shock.)



Make sure to turn off power switch and pull out power plug when moving the TrekStor TV.



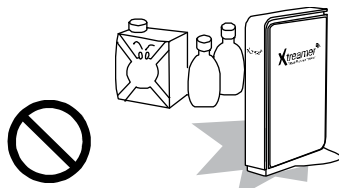
It is advisable to switch off the TrekStor TV and pull out the power plug if you don't use it for a while (e.g. when you go on a holiday)!



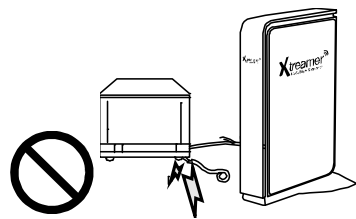
Clean the outside of product by wiping it with lightly with a dry towel. Remove the plug before cleaning the TrekStor TV! (Do not use detergent or thinner etc. for grease removal, or a wet towel, as this may cause serious harm!)



Do not store the TrekStor TV close to any liquids or flammable liquids!



Do not forcefully bend the connected power cord or have it pressed down by heavy objects. (This may cause fire or electric shock.)



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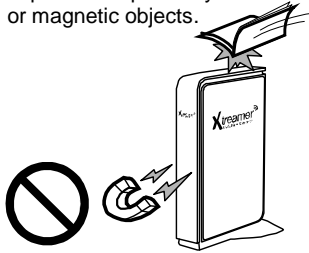


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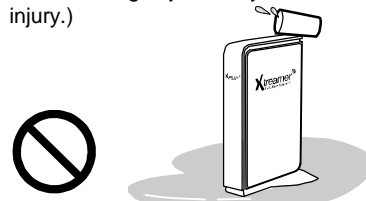


Soaking prohibited

Do not drop objects on top of the TrekStor TV or expose it to sudden impacts. Keep it away from vibrations or magnetic objects.



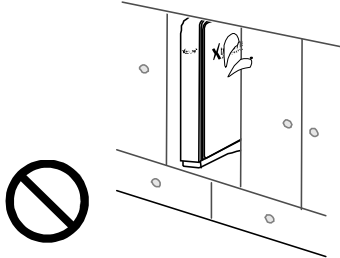
Do not place plant pots, cups or containers filled with water, chemicals or other liquids on top of the TrekStor TV. (This may cause fire or electric shock. Falling objects may also cause injury.)



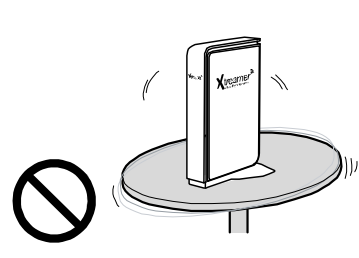
Do not place heavy objects on top of the TrekStor TV. (Falling objects may cause injury.)



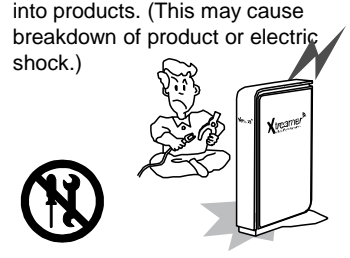
Do not cover up product or install it in places with poor ventilation, such as a wall closet, etc.



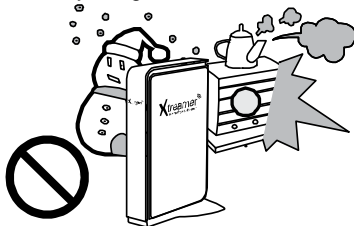
Install product on a level and stable surface. (Otherwise product may not operate normally.)



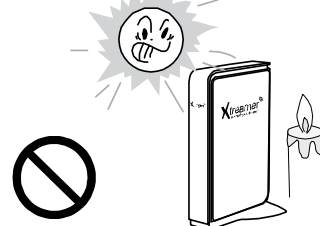
Product must not be disassembled, repaired or modified. Take caution not to have foreign substances inserted into products. (This may cause breakdown of product or electric shock.)



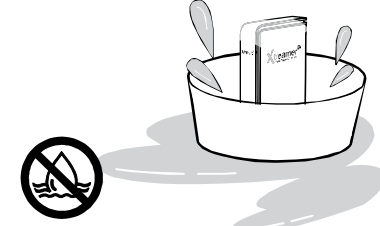
Do not install product in places where temperature is too high (35° or higher) or too low (5° or less) or where the humidity is high



Do not install product under direct sunlight or near objects that produce heat, such as lit candles, cigarettes, radiators etc.



Do not place product in water. (This may cause breakdown of product or electric shock.)



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Introduction

Congratulation on your purchase of the TrekStor TV, a state-of-the-art consumer electronic device that will enhance and enrich your home multimedia experience.

The TrekStor TV is a portable streamer that allows you to bring your favorite movies, music, photos and online content to your living room from various sources such as your PC, an optional internal SATA hard disc, external USB storage devices and so on.

The player has been designed for high performance networking and top quality playback.

Due to the rapid development of our product we cannot possibly guarantee that this user manual will include all features of the TrekStor TV. So if you have questions please feel free to browse the Xtreamer Knowledge base or contact our support team (see back cover of this manual for contact details).

Please make sure to visit our site www.trekstor.de for news about our products, official announcements and firmware upgrades.

You can find many tips and FAQs in the official Xtreamer forum under <http://forum.xtreamer.net/> (English) and <http://forum.xtreamer.net/viewforum.php?f=14> (German).

Please note that TrekStor is not responsible for the forum contents. Furthermore, TrekStor is not responsible for the contents of web pages, whose links can be found in the forum.

About the TrekStor TV

Multimedia library

Easy playback of High Resolution HD-level files: The TrekStor TV supports the max. of 1920X1080 progressive scan to provide clear and high resolution picture quality.

Support for many movie formats

TrekStor TV supports a variety of HD files, such as TP, TS, TRP and M2T, M2TS, MTS files, but also MPEG1/2/4, Divx (3/4/5/6), Xvid, DAT, ISO, DVD (VOB, IFO) and MKV (X.264), AVC HD, WMV9, ASF, H.264, MOV, MP4, RMVB, FLV, etc. You can conveniently enjoy watching movies anywhere as long as you have access to a display device, such as TV.

Convenient copy

TrekStor TV allows you to copy a media file to a network-connected PC. Also, you can copy files via Hi-Speed USB 2.0 or the network from a PC to the TrekStor TV HDD (optional) or to USB storage device connected to the TrekStor TV.

Support for many music file formats

The TrekStor TV supports a variety of music sources, such as AAC, MPEG audio MP1/2/3/A, WMV, WMA, FLAC, OGG, AC3, DTS and many more. As the player supports fast rewind/forward functions, you can quickly find the desired part you want to listen to.

Digital photo album

TrekStor TV supports the high resolution JPEG and BMP image files. The entire family can enjoy watching the files on the TV. Photos in portrait orientation can be rotated on screen for viewing without requiring any modification.

Network-shared file play

Files shared on a network can be accessed and played back via a wired or wireless network without having to move them to the TrekStor TV hard disk (optional).

NAS (Network Attached Storage)

The TrekStor TV can access Windows® network drives and the contents of the optional internal HDD can also be accessed from a computer thanks to the SAMBA server function.

Built-in USB host connections

TrekStor TV has 2 Hi-Speed USB 2.0 host ports. By connecting USB external storage devices, you can easily add additional storage to the TrekStor TV and play the files on the external USB devices. A USB type memory card reader can also be used.

Support for UPnP clients

TrekStor TV supports UPnP server functions. TrekStor TV supports free DDNS so that you can connect to the optional internal HDD of the TrekStor TV not only from your local PC, but also from any PC with an Internet connection. This function can also be used from other external devices that support UPnP client functions.

About the TrekStor TV

Support for High-Resolution HDMI

The HDMI terminal for digital signal output enables you to enjoy video content and photos with better picture quality.

5.1CH audio output and downmixing function

TrekStor TV supports 5.1CH Dolby Digital audio, DTS and many other digital surround sound formats. The newest firmware version (available for download soon) even supports the pass-through of 7.1 surround sound formats via HDMI and S/PDIF. If you don't want to connect a surround receiver or other decoding device, the downmixing function lets you play 2CH audio through TV or a stereo amplifier.

Support of free DDNS

TrekStor TV provides 1 DDNS entry (e. g. *Yourname.myxtreamer.net*) to connect to the built in UPnP Web Server from a computer outside your home network or LAN environment. (Network connection to a suitable router and Internet connection are necessary!)

Support of real time media streaming portals and free media channels

TrekStor TV provides real time searching and playing of media streaming portals (e.g. YouTube) or other media files online without having to download the files in advance.

Internet

You can add your favorite RSS Internet feeds and enjoy custom online content.

Internet radio

Enjoy a vast variety of styles and genres with our Internet radio feature. Easily add any number of your favorite stations.

Easy access to your favorite files

Add any file to your Favorites for easy access via the Main Menu and create playlists that can be automatically run after startup.

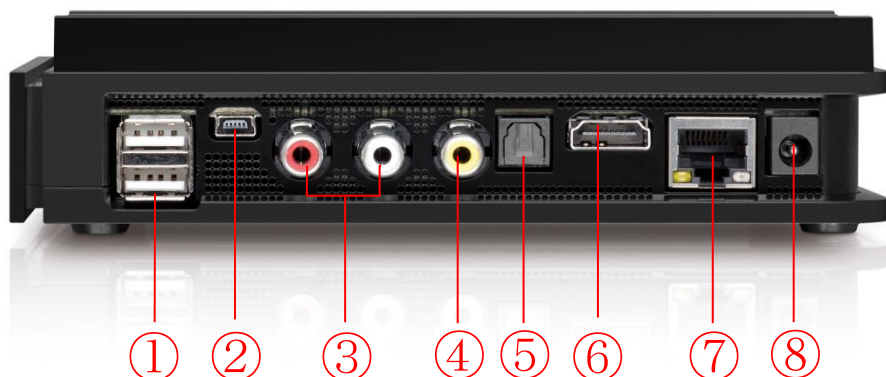
iPhone and smartphone control

You can control your TrekStor TV via an iPhone or any phone capable of connecting to your home network with a custom remote control application.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories. DTS is a registered trademark & the DTS logos and Symbol are trademarks of DTS, Inc.

HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Part names and functions



Back Panel

- ① USB host port (x 2)
- ② USB slave port
- ③ Stereo RCA terminal
- ④ Composite terminal
- ⑤ Optical S/PDIF terminal
- ⑥ HDMI terminal
- ⑦ 10/100 Mbps LAN port
- ⑧ Power connector



Front Panel

- ① Top cover for installing a HDD
- ② Status LED
- ③ IR sensor for remote control
- ④ Detachable foot

Specifications

English

Product Name	TrekStor TV	
Processor	RTD1283DD 400Mhz	
Operating System	Linux	
File System	FAT16/FAT32/NTFS/UDF/EXT3	
Supported File & Formats	Video Formats	ASF / AVI / DIVX / FLV / IFO / ISO / M2P / M2TS / M2V / M4V / MKV / MOV / MP4 / MPEG / MPG / MTS / RMVB / TP / TRP / TS / VOB / WMV
	Video Codecs	XVID SD/HD / MPEG1, VCD 1.0/2.0, SVCD / HD MPEG2 (up to MP@HL1080i), ISO/IFO/VOB/TS / HD MPEG4 SP/ASP(720p/1080i/1080p), Xvid / H.264 BP@L3, HP@4.1 / WMV9/VC-1 AP@L3 / RealVideo 8/9/10, up to 720@30P / DviX3/4/5/6 (Licensee Only)
	Audio Formats	AAC / AC3 / DTS / FLAC / FLC / M3U / M3U8 / M4A / MP1 / MP2 / MP3 / MPA / MPC / OGG / PCM / RA / RM / WAV / WMA
	Audio Codecs	Dolby® Digital Plus, TrueHD / DTS HD Master Audio, High Resolution, LBR / 7.1 down-mix / WMAWMA Pro, Dolby® Digital AC3 and DTS® (Licensee Only) / MPEG I Layer 1, 2, 3 (2-CH) and MPEG II Layer 1, 2 (Multi-Channel) / LPCM,ADPCM, FLAC, AAC, WAV, and OGG Vorbis / RA1/RA-cook/RA-lossless
	Image	HD JPEG/BMP/GIF/MGIF(not act)/PNG/TIFF/TIF/ HD JPEG with unlimited resolution (40M-pixel tested) / Full-pixel JPEG decode with high resolution zoom-in
Video Output	Composite and HDMI1.3	
Audio Output	Analog	Stereo RCA
	Digital	Optical S/PDIF & via HDMI
TV System	NTSC, PAL or HDMI auto	
Hi-Def Decoding	HD HDMI (480p, 576p, 720p 50Hz/60Hz, 1080i 50Hz/60Hz, 1080p 50Hz/60Hz)	
Networking	Wired	Ethernet (10/100) LAN via RJ-45 Port
	Wireless	Optional USB Wireless Adapter N connected to USB host port
Network Security	Wireless : WEP, WPA	
Network Protocol	Wireless: IEEE802.11n, 3dBi USB antenna (Optional) Wired : 10/100Mbps Fast Ethernet (RJ45) TCP/IP (DHCP client mode, Manual IP mode)	
Hard-Disk Type	2.5" Internal SATA I/II (9.5 mm height)	
USB Interface	Hi-Speed USB 2.0 host (x 2) and slave	
Power	DC 12V, 2A	
Dimension	165 mm (W) X 29 mm (H) X 111 mm (D)	

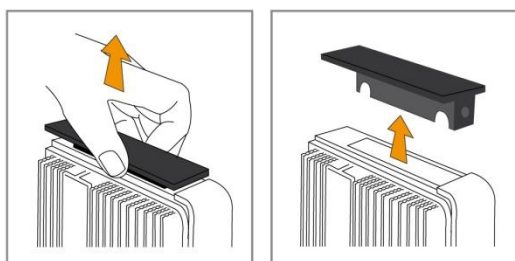
Specifications subject to change without prior notice

Hard-Disk Installation

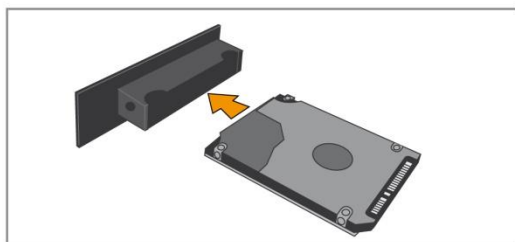
Caution! Carry out the following steps only if there is no hard drive pre-installed in your TrekStor TV! If there is a pre-installed hard drive in your TrekStor TV, opening the housing may lead to a loss of warranty.

Caution! Hard drives can be seriously damaged by electrostatic discharges. It is necessary that you touch a grounded piece of metal (e. g. a heating or water pipe) before you take the hard drive out of its ESD bag.

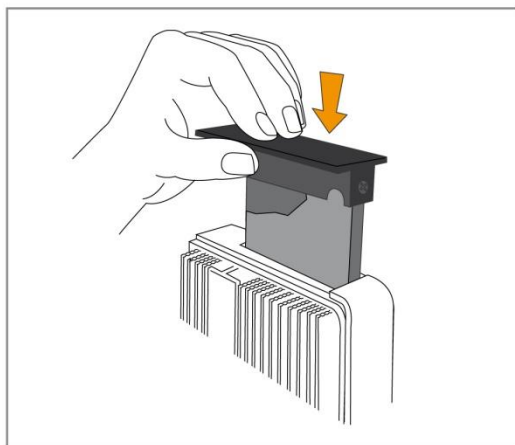
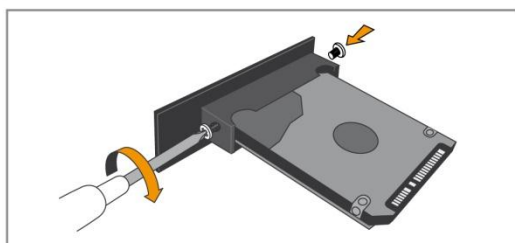
English



- 01.** Carefully remove the HDD bay cover, as shown in the illustration, by pulling it up and out of the housing of the TrekStor TV.



- 02.** Attach the 2.5" SATA HDD (9.5 mm height) to the cover of the hard drive bay as shown in the illustration. Use the supplied screws and pay attention that the label of the HDD faces the side of the TrekStor TV that has no heat sink.

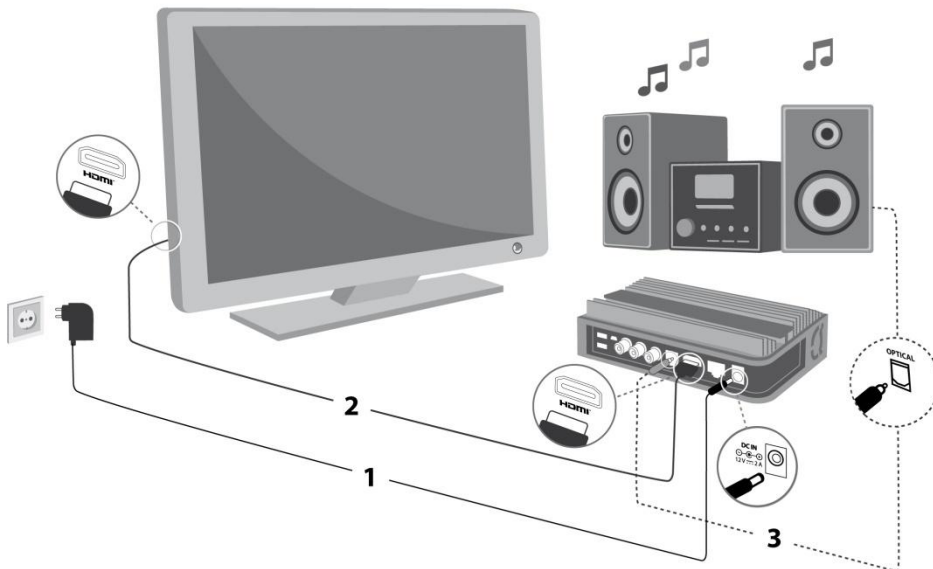


- 03.** Carefully insert the hard drive together with the attached cover into the HDD bay. **Do not use force** when you insert the HDD, otherwise the SATA port may be permanently damaged. If you cannot easily insert the HDD, pull the Hard drive out again and check the connection to the cover before re-inserting it.

Connections

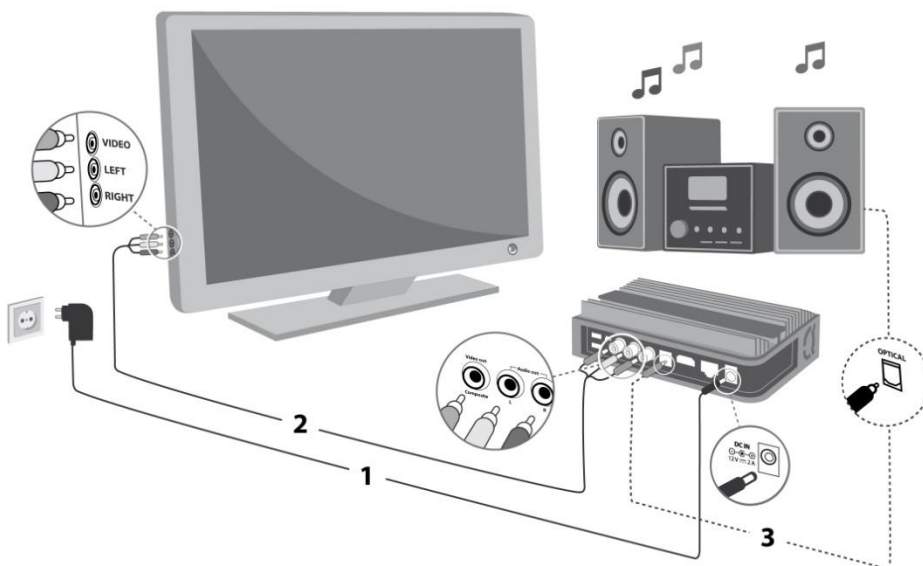
1. Video & Audio output connection

• HDMI cable connection



First, attach the HDMI cable to the port on the back of the TrekStor TV. Then connect the other end of the cable to the HDMI port of your TV or your home entertainment system.

• Composite cable connection



Use a suitable composite AV cable to connect the yellow video output jack and the audio jacks (red and white) of your TrekStor TV with the corresponding jacks of your TV.

Connections

- Optical cable connection

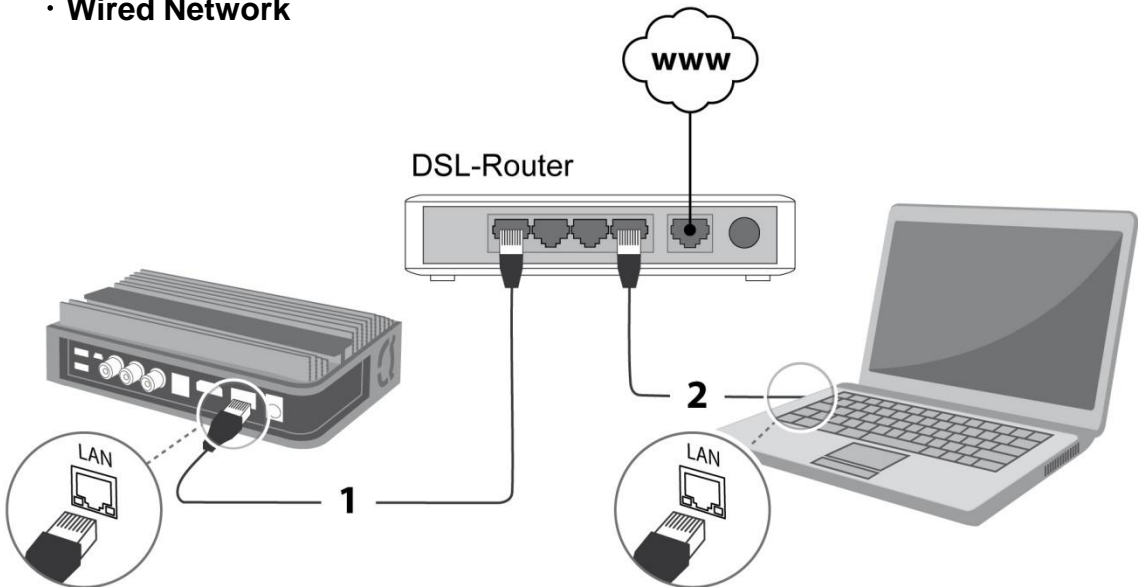


You can transmit multichannel sound to a suitable TV or home entertainment system via the HDMI cable or via an optical S/PDIF cable. If you use an optical S/PDIF cable, connect it to your TrekStor TV first, and then to the TV or receiver.

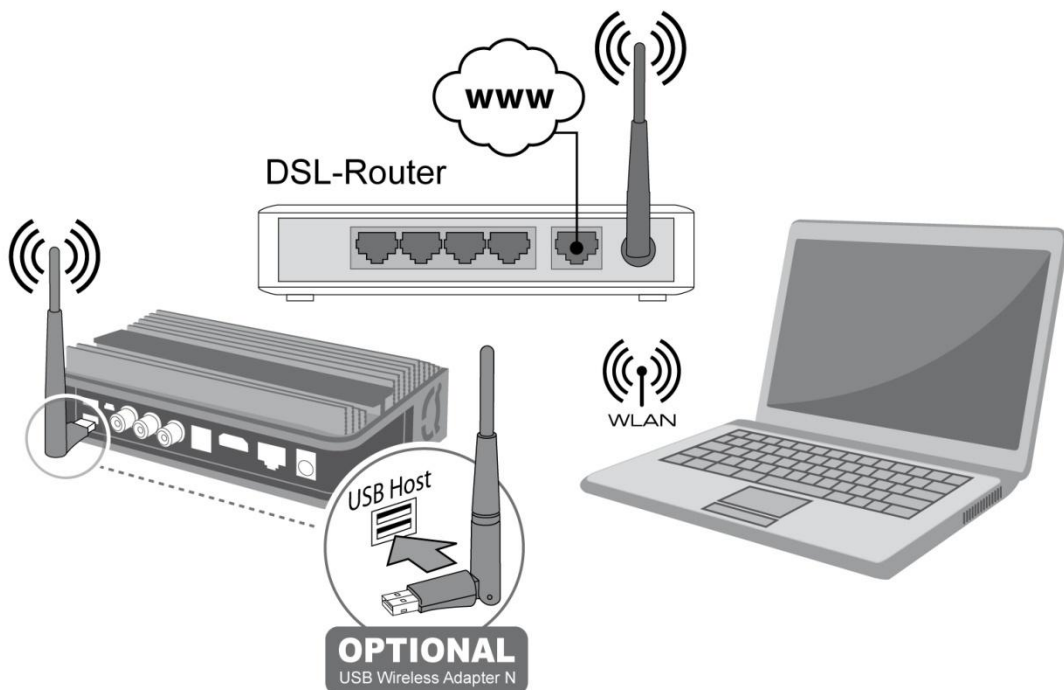
Connections

2. Connect to the Network

• Wired Network



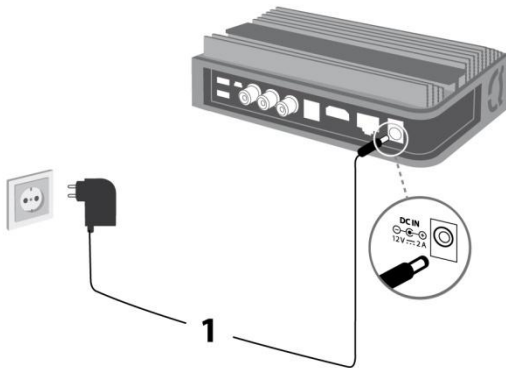
• Wireless Network



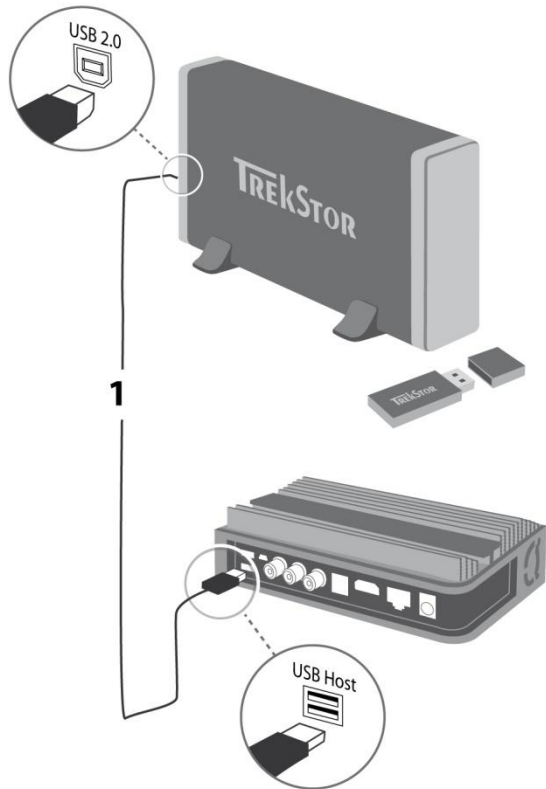
Connections

3. Connect to your PC

- Connect the power adapter



- Connect the USB cable



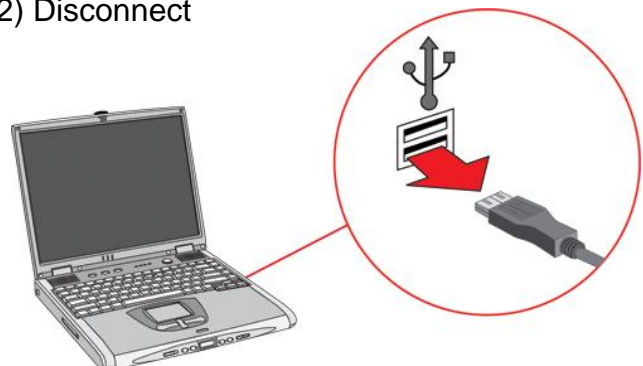
When you want to transfer data from your computer to your TrekStor TV via USB, first connect the USB cable to the Mini-USB slave connection of TrekStor TV and then to the computer.

Make sure that the TrekStor TV is connected to its power supply before you connect it to the computer!

- Disconnecting the TrekStor TV

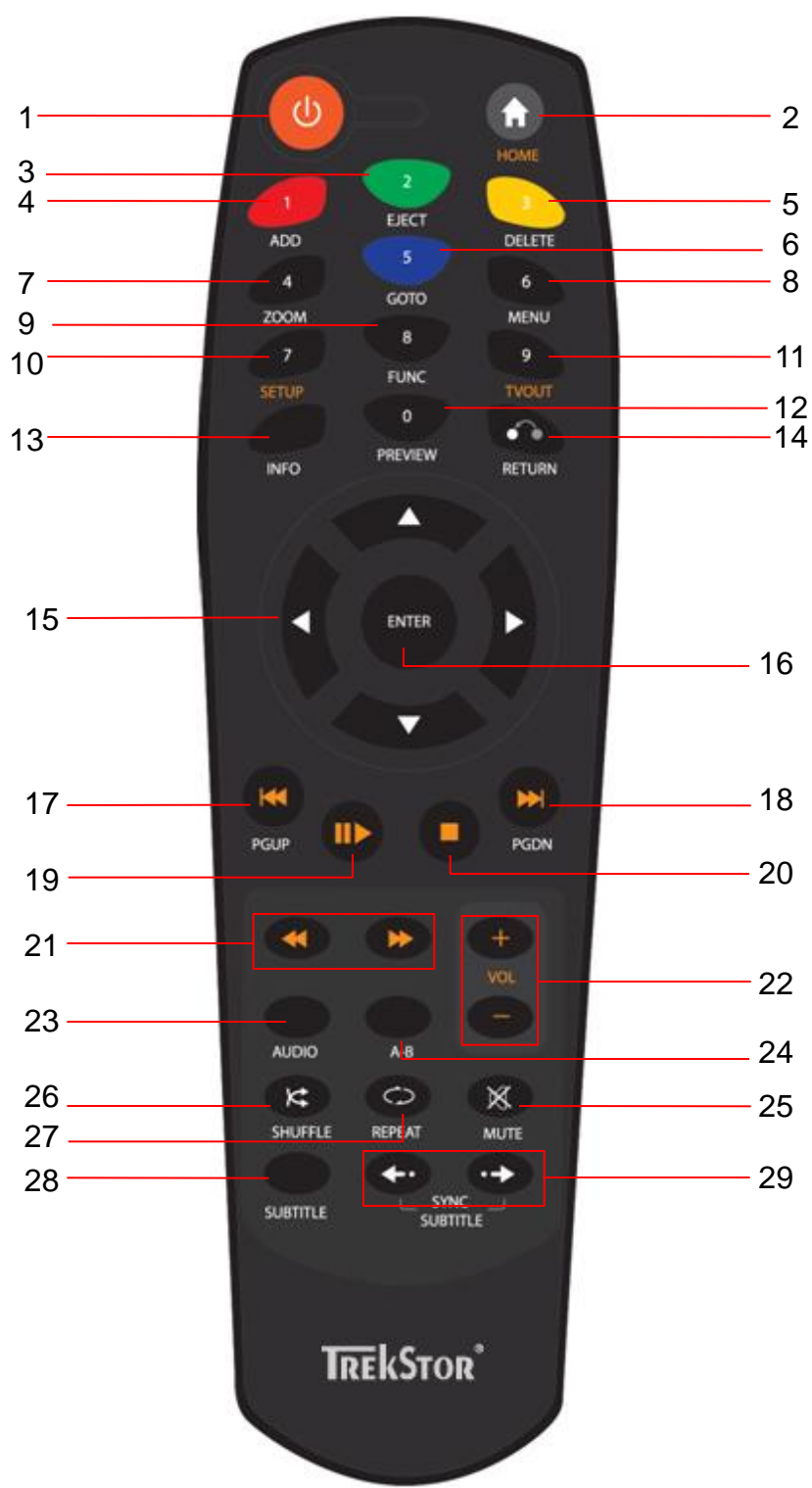
(1) Click on

(2) Disconnect


















You must eject before disconnecting USB. If you don't eject before disconnecting, copied files may be incomplete so that they cannot be played back.

Remote Control Functions



Remote Control Functions

1		POWER	Switches the device from standby to On (or back Off)
2		HOME	Goes to Main Menu
3		EJECT	- Adds the selected media file to Playlist - Opens external USB 2.0 tray load DVD ROM
4		ADD	Selects files and marks a file in Playlist or File Manager
5		DELETE	- Deletes the selected files in Media Library - Moves to the next step in File Manager
6		GOTO	- Tile : Selects files on Playlists - Chapter : Moves to the next chapter or file - Time : Sets the time you want to play from
7		ZOOM	Use this button during playback - Enlarges (or reduces) screen - Adjusts zoom percentage and moves to position of enlarged output by pressing arrow keys.
8		MENU	Menu view of DVD Jukebox
9		FUNC	Use for sub functions to each menu [Lock Folder / Change names / Add to Favorites]
10		SETUP	- Takes you to the Settings menu - Alters and applies functions available during playback
11		TVOUT	- Toggles Video Output Modes by pressing more than twice - Use to cycle through the different video output modes and resolutions (HDMI, AV)
12		PREVIEW	- Selects the preview mode [Preview / File Lists / Thumbnail]
13		INFO	Displays the current status for playing media file [Video Codec / Audio Codec / Resolution / FPS / Running time / Playlists / File name / Repeat / Shuffle / WiFi wireless signal strength / Running time progress bar]
14		RETURN	Returns (or Cancels)
15		DIRECTION KEY	- Skips chapters during playback [LEFT - Forward 30 sec / RIGHT - Back 10 sec UP - Forward 3 min / DOWN - Back 1 min]
16		ENTER	- Runs single file playback - Moves forward frame by frame after pressing [PLAY/PAUSE] button to pause. - Selects files after pressing [ADD] button
17		PGUP	- Moves to previous Chapter (or List) - Play previous File

Remote Control Functions

18		PGDN	- Moves to next Chapter (or List) - Play next File
19		PLAY/PAUSE	Play or Pause playback
20		STOP	Stop playback
21		FR/FF	Fast forward or fast rewind during playback [0.8 X/1.1 X/1.2 X/1.5 X/2 X/4 X/8 X/16 X/32 X/1X]
22		VOLUME	Adjusts volume level
23		AUDIO	If your video file contains multiple audio tracks, use this button to switch between the audio tracks
24		A-B	Chooses a segment to be repeated
25		MUTE	Mutes the sound
26		SHUFFLE	Random playback
27		REPEAT	Plays files repeatedly [Title repeat / Folder repeat / Repeat Off]
28		SUBTITLE	Adjusts [Size / Outline / Position / Color / Advanced Color] for subtitles
29		SYNC SUBTITLE	Adjusts subtitle sync during playback

Settings

1. HDD Formatting

If you install a new hard disk it's highly advisable to format it with the TrekStor TV before using it. Please follow exactly the instructions given in the leaflet that is included in the delivery of your TrekStor TV or the instructions below.

How to Format the Internal HDD



1. Insert HDD you want to format into TrekStor TV, and then reboot.
2. Select [Settings].



3. Select [System] – [HDD Format].

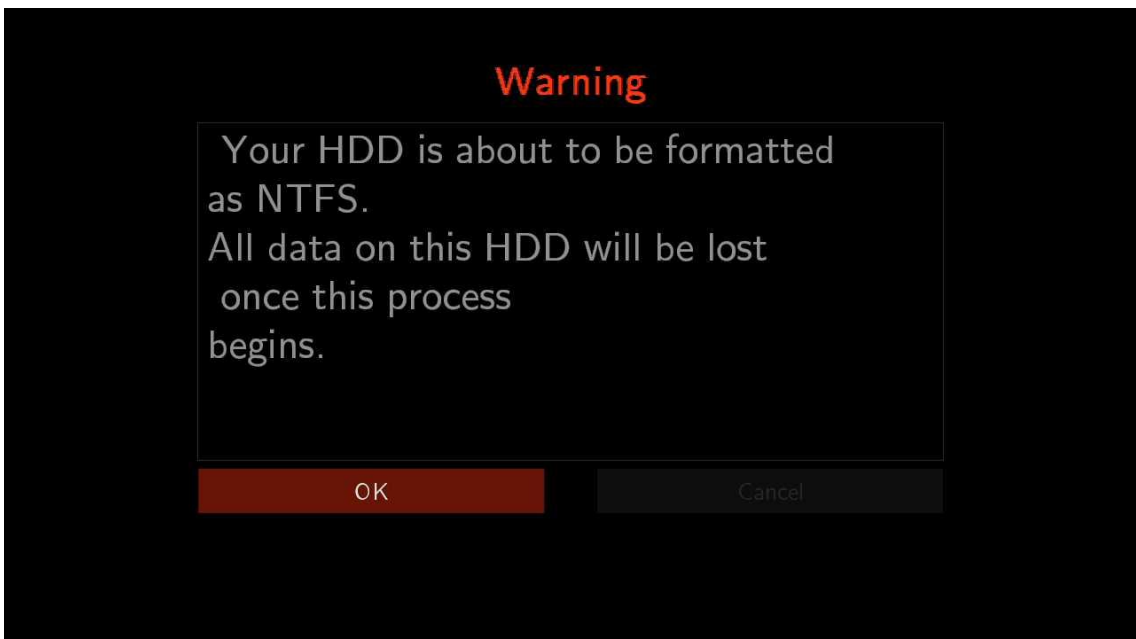
Settings

1. HDD Formatting (continued)



English

4. Select available HDD.

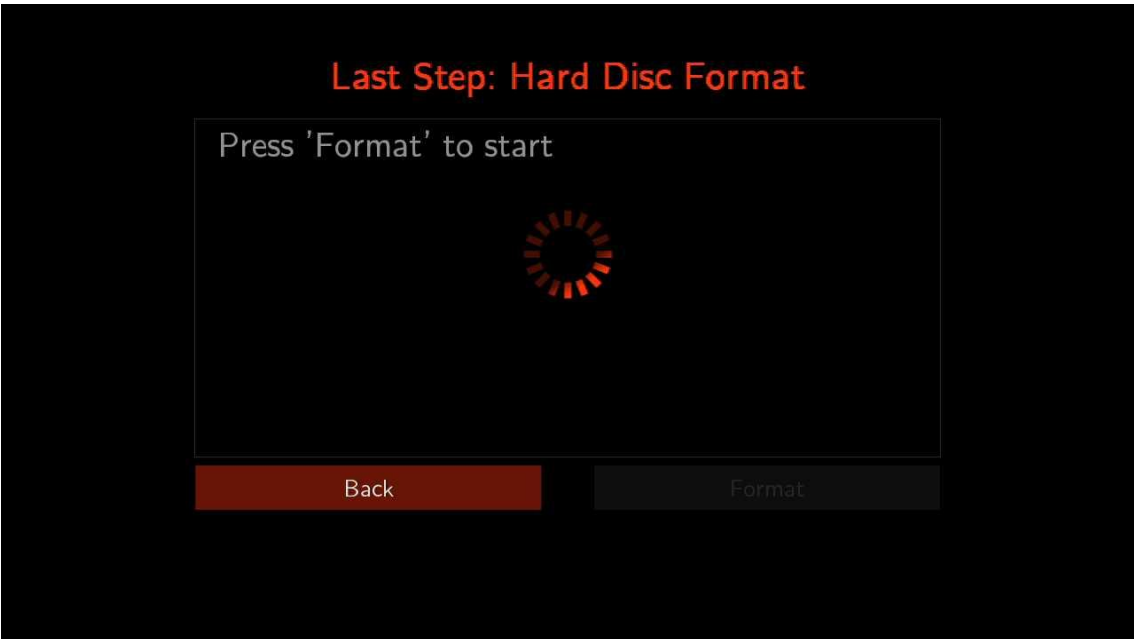


5. Select [OK] after reading "Warning" message carefully.

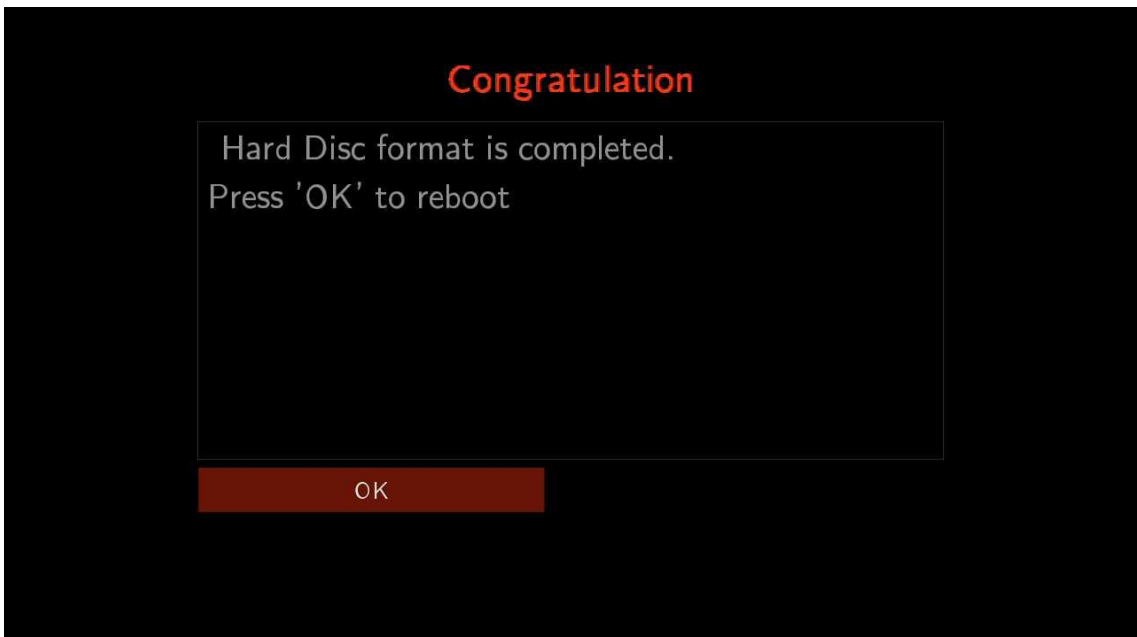
If you don't want to delete all data, do not format the HDD! All data on the HDD will be lost once you start to format the HDD.

Settings

1. HDD Formatting (continued)



6. Press [Format] to start (refer to the above image).



7. After HDD format is completed, press [OK] to reboot.

Settings

2. System



English

Menu Language

Default language is in English; OSD language menu can be changed. You will therefore be able to choose your language, select [Setting] – [System] – [Menu Language].

TrekStor TV Media Players supports the following languages:

[1] Arabic [2] Thai [3] Hebrew [4] Vietnamese [5] Chinese [6] Japanese [7] Korean [8] Spanish [9] German [10] Italian [11] Turkish [12] Greek [13] Dutch [14] French [15] Latvian [16] Russian [17] Croatian [18] Portuguese [19] Swedish [20] Polish [21] Romanian [22] Ukrainian [23] English [24] Magyar [25] Czech [26] Slovene [27] Finnish [28] Danish [29] Estonian [30] Hungarian.

Power Mode

Using the “Power Mode” settings, you can decide the action taken when you press the [POWER] button on your remote control.

Power Off	Select to switch off the power and go to standby mode.
NAS Mode	The speed and stability of streaming media files are improved when you choose this setting. Instead of going to standby mode, the TrekStor TV goes into the NAS mode. This mode switches off the playback circuitry of the TrekStor TV and the allotted memory for the PLAYER function is released, which enables the system to reserve 90 percent of the memory for NAS Mode.
Confirm Window	When the [POWER] button is pressed, a "Confirmation Window" is displayed to select between [Power OFF] and [NAS Mode].

Firmware Update

The feature displays the current firmware version. It also enables you to update firmware by selecting stored firmware file from HDD or USB storage device. After the upgrade procedure is complete the system will reboot. You can find additional information about the firmware upgrade procedure in section 10 of this manual.

Lock System

This option allows you to assign a password to your system folders in order to protect your content. The locked folders will be accessible by password only.

Settings

2. System



Screen Saver

This is to set the time for automatic changing images on your screen during periods of user inactivity. The screensaver is designed to prevent burn-in on a CRT, LCD or Plasma TV when the properties of the exposed areas on the of the screen gradually and permanently change, eventually leading to ghost image on the screen.

You can choose between [Off / 1 Minutes / 5 Minutes / 15 Minutes / 30 Minutes / 45 Minutes].

HDD Format

This feature supports internal HDD format function. A new HDD is divided into a Linux Swap partition and a NTFS partition for data. If you format using this feature instead of formatting with a PC, a Linux swap partition is created as an independent section of the hard disk used solely for swapping and increasing the performance of your TrekStor TV. The swap space is the amount of virtual memory available.

Restore defaults

This option restores your player to the factory defaults. It will clear all the personal settings including passwords, favorites, custom skins etc.

Using this option will not damage the data on your HDD

Important: Always reset your settings after a firmware upgrade!

Effect Sound

Pressing the arrow keys plays a sound effect.

Settings

3. Playback



English

Subtitle / ID3-Tag

You can specify the character set used for subtitle languages or ID3-tags if supported by your MP3 files. Unicode [UTF-8] is a computing industry standard, and is set as a default value. Non-Unicode types often lead to illegible output since the contents of the files are not verified. You can select the same language that your subtitles are in. Select e.g. [Setting] – [Playback] – [Subtitle/ID3-tag] – [German].

Subtitle Default

This feature provides selection of displaying subtitles at the bottom of the screen.

ON	Display subtitle automatically if a subtitle file is present. ※ The name of the movie and the subtitle file must be identical.
OFF	Subtitle isn't displayed.

User Subtitle Font

TTF fonts allow you to combine multiple fonts into a file used for defining characters design. To use custom fonts you need to save them on an internal HDD or USB Storage device: A “User_font” folder is automatically created and you will be able to store several TTF font files in that folder. Selecting and changing fonts is also supported during playback. Select [Setting] – [Playback] – [User Subtitle Font]. ※ Depending on fonts, you may not be able to change font designs.

Resume Play

On starting your TrekStor TV, you can begin playback from the point where you previously stopped it. Your system saves a record of the scene that was playing when you stopped playback so it knows where to resume playing.

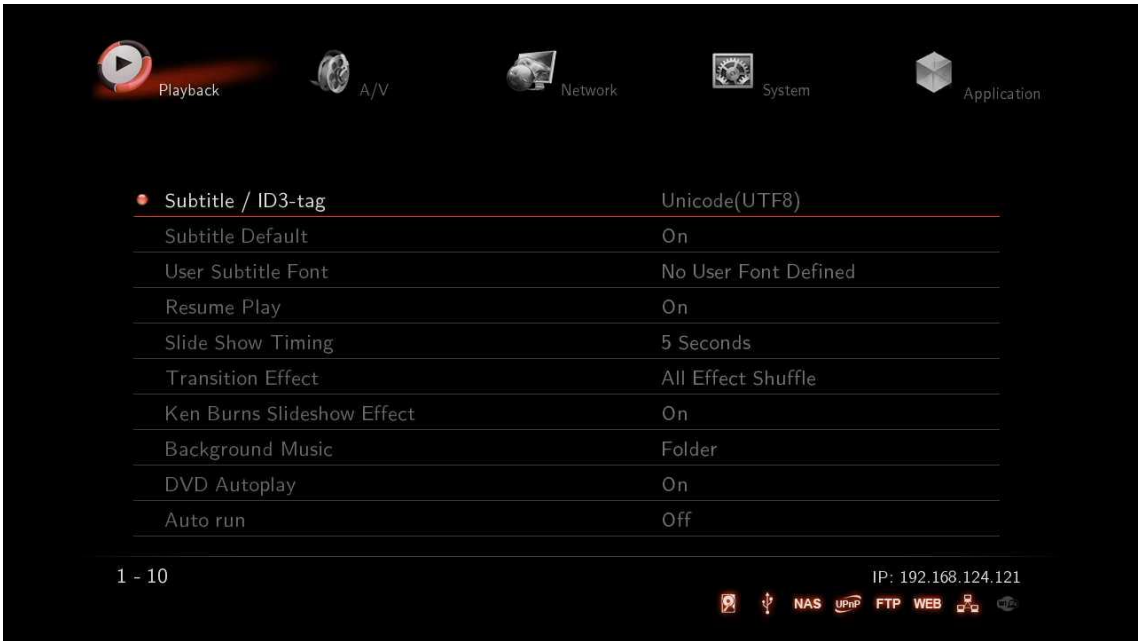
ON	Video is played from the beginning with “Resume Playback?” message.
OFF	Video resume function is not active.

Slide Show Time

Using this option you can set the time that an image is displayed during a slide show. You will be able to select between the following intervals:
[Off / 2 Seconds / 5 Seconds / 10 Seconds / 30 Seconds / 1 Minute / 2 Minutes]

Settings

3. Playback



Transition Effect

This setting is used to choose between a range of image transitions, there are 7 major functions. [All Effect Shuffle] is set as a default value.

Ken Burns Sideshow Effect

The function moves and zooms still photographs while they are displayed, a technique often used in documentary films.

Background Music

Background music is played while displaying a photo slideshow.

OFF	Turns off the background music.
Folder	All music files inside a folder are played while the photos of the same folder are displayed.
Playlist	Music files will be played, select [Media Library] – [Playlist]. There can be several new variations on slideshow like using your captioned photos and music.

DVD Autoplay

This feature allows you to select automatic DVD play mode when inserting a DVD disk into a DVD ROM connected to your player via USB port

OFF	DVD Disk isn't automatically played.
ON	DVD Disk is automatically played.

Auto Run – Please note: you need an internal HDD to use this feature

This feature allows you to automatically play a designated playlist when the TrekStor TV starts. Auto-Run function detects and plays a Playlist and also enables you to organize your playlists via the TrekStor TV Web Server. [Off / Music Playlist (Sequence) / Music Playlist (Shuffle) / Photo Playlist (Sequence) / Photo Playlist (Shuffle) / Movie Playlist (Sequence) / Movie Playlist (Shuffle)]

Note : Add your file lists to a Playlist by selecting [Media Library] – Tap Menu [Music/Photos/Movies] in order to run automatically. Added Playlist from [All] mode won't be played by Auto Run.

Settings

4. A/V Settings



TV System

Use this setting to select the proper display resolution and video output type for your TV.

PAL (B) (50Hz)	Europe, Greenland, South Africa, the Middle East, China, Austria, India, Indonesia.
NTSC (60Hz)	Korea, the USA, Japan, Canada, Taiwan, the Philippines, Colombia.
Display Resolution	HDMI Auto / NTSC / PAL / 480p / 576p / 720p 50Hz / 720p 60Hz / 1080i 50Hz / 1080i 60Hz / 1080p 50Hz / 1080p 60Hz are supported. ※ In some cases, display resolution on your TV can not be supported due to inactivity; therefore, you should check your TV specification.

1080P 24Hz

This feature will allow you playback of 1080p 24Hz when playing Blu-ray file (BD); however, this function is subject to the factors that the TrekStor TV is connected to the TV with a “HDMI cable”, and that your TV supports screen scanning with 24Hz frame rate.

ON	This function will be enabled when FPS of media playback file is 23.976 frames/s and the output resolution is 1080p. BD file is recorded with an original film frame rate of 24 frames/s, and then output to 1080p/24Hz.
OFF	1080p 24Hz output is off

Note for 1080p 24p

- TV, AV amp and media file you use must be acceptable to 1080p 24Hz as well as your media file is recorded by 1080p 23.976fps.
- If video isn't properly played by selecting [ON], you will be required to select [Off].
- The initial TV screen can be flickering when you switch on “1080p 24Hz” mode

Settings

4. A/V Settings



English

Night Mode

Off	The original sound is played.
On	This setting provides high-definition audio that is identical to, and every bit as spectacular as, the master recording. In spite of decreasing volume, you will be able to experience incredible surround sound that puts you right in the middle of the action without disturbing others.
Comfort	You will be able to hear every tiny sound in rich detail as well as comfortable sound levels solely for you.

HDMI Audio

This setting enables you to turn on (or off) HD Audio through HDMI connection.

Off	It supports both video and audio.
On	It supports sound in silence during video playback.

Digital Output

This setting lets you select between Digital and Analog output types.

DTS / AC3 5.1CH (Passthrough)	It enables 5.1ch surround sound with optical connection when you wish to use multi-channel speakers.
DTS / AC3 2.1CH (Downmix)	Decoding all sounds is demanded to output 2.1ch stereo sound when TV or 2ch Speaker used.
ACC/FLAC/OGG 5.1CH PCM(HDMI)	It outputs 5.1ch surround sound created by ACC/FLAC/OGG, and supports multi channel output with only HDMI connection.

Settings

4. A/V Settings



English

Aspect Ratio

You will be able to select the Aspect Ratio of the movie screen for playback.

PanScan 4:3	16:9 Ratio converted to 4:3 Ratio is referred to as high definition TV. It will reduce scan lines to 4:3.
LetterBox 4:3	16:9 Ratio converted to 4:3 Ratio is referred to as your TV. It will resize the image so that it fits on a 4:3 screen without distorting it.
16:9	Video is fully displayed in 16:9 DVD frame, films with 4:3 Ratio are also displayed.
16:10	It enables you to add letterboxing bars above and below video screen, while your TV maintains its aspect ratio of 16:9, e.g. 16:9=1920x1080 / 16:10=1920x1200.

Brightness

Brightness in video refers to the luminance portion of a video signal. It enables you to use Increase Brightness and Decrease Brightness commands by pressing [SETUP] button on your remote during playback.

Contrast

This option tells the TrekStor TV by how much to adjust video contrast when using Increase Contrast and Decrease Contrast commands by pressing [SETUP] button on your remote during playback.

Hue

This option determines how the Hue adjustment enhances your colors. Along the way, you will be able to use Increase Hue and Decrease Hue commands by pressing [SETUP] button on your remote during playback.

Saturation

Saturation is one of three coordinates in the HSL and HSV color spaces. It enables you to use Increase Saturation and Decrease Saturation commands by pressing [SETUP] button on your remote during playback.

Settings

4. A/V Settings



Dynamic Noise Reduction(DNR)

This is an audio noise reduction system used to automatically reduce background noise.

HDMI Chroma Sub-sampling Set

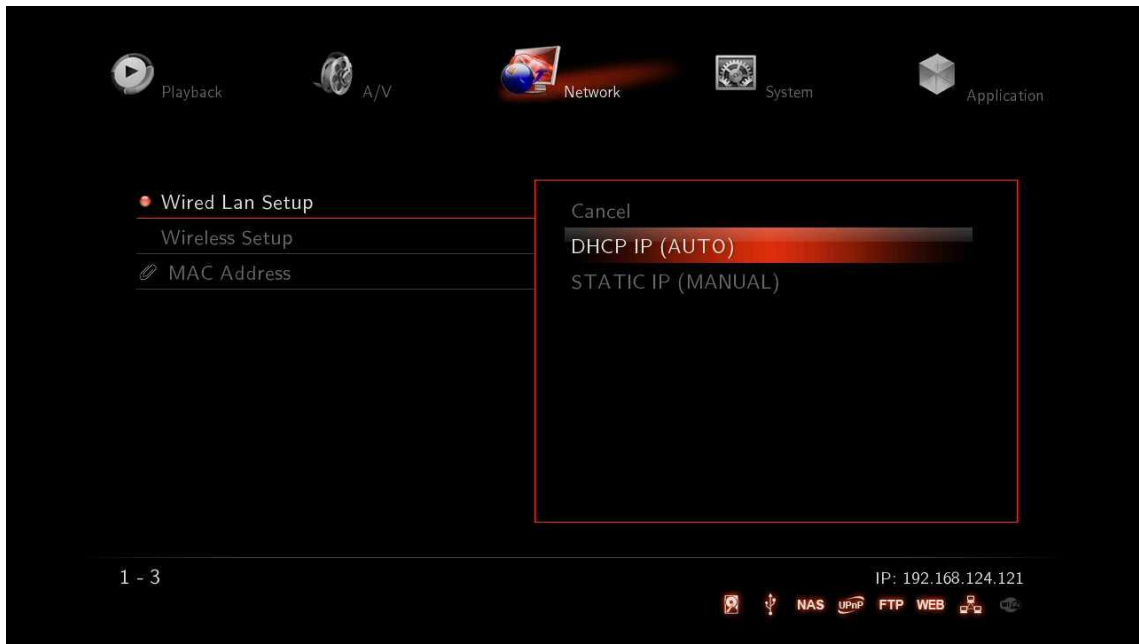
This feature chooses an encoding for images and videos via HDMI

4:4:4	Your video will be upsampled to 4:4:4. ※In a few cases, some TVs won't be able to support 4:4:4 upsampling, therefore it can bring screen noise problem.
4:2:2	4:2:2: is a general format and was widely used before 4:4:4 type was introduced

Settings

5. Network

5-1. Wired LAN Setup



DHCP IP (AUTO)

The Dynamic Host Configuration Protocol (DHCP) is a networking protocol used to automatically retrieve IP address assignments through Wired LAN. This feature is set as a default value so that IP address is automatically assigned when connection via RJ45 is made or when rebooting. You need a network router that assigns the IP via DHCP in order to stream files from your PC.

※ IP address of DHCP IP may sometimes be unstable.

STATIC IP (MANUAL)

Static IP is a manual way of defining an IP address, and is used for an assigned IP address that does not change often. Static IP is mainly used for Wired LAN. IP will be allocated by users when a fixed IP address is needed or when a DHCP server isn't available.

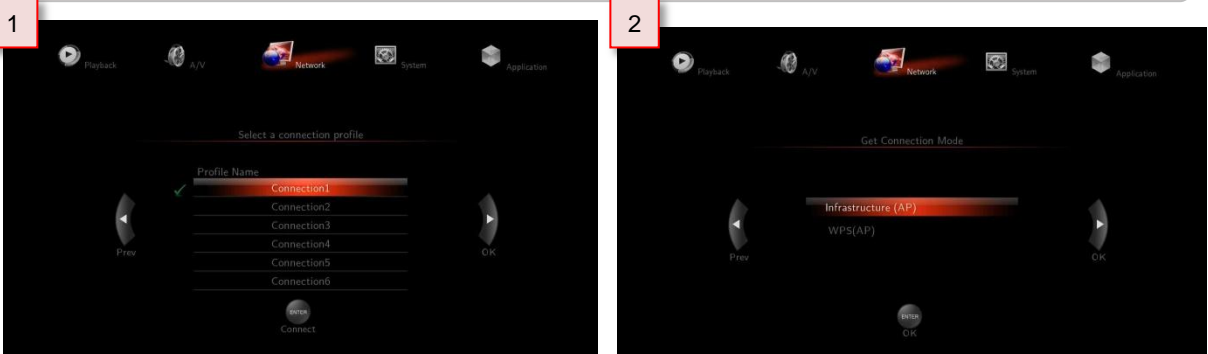
Settings

5. Network

5-2. Wireless LAN Setup

In order to connect your TrekStor TV to a wireless environment you need to plug the "USB Wireless Adapter N" (optional) to a USB 2.0 port on the back panel of your player. The TrekStor USB Wireless Adapter N supports 802.11n protocol.

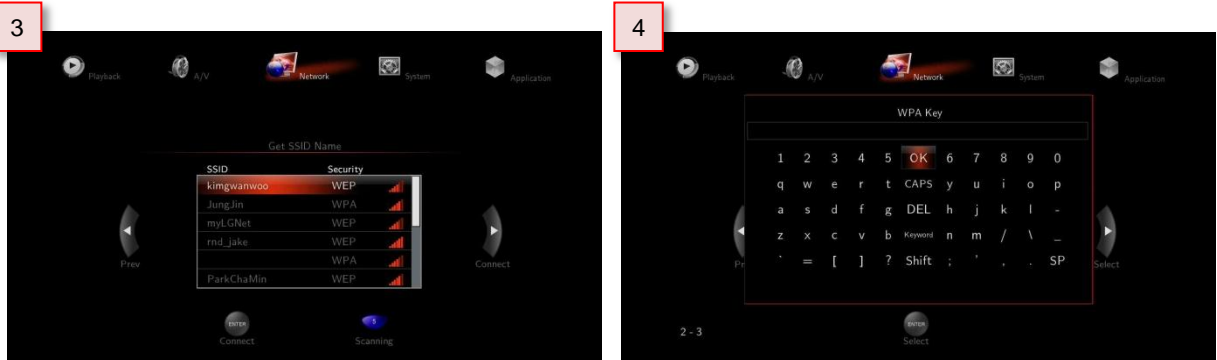
Note. We recommend to use the LEFT (from front when standing)/TOP (when in horizontal position) USB 2.0 port.



1. Insert USB WiFi Antenna

※ The TrekStor TV can be disturbed by other wireless network services which may result in a relatively low speed.

2. Select [Infrastructure (AP)].



3. Select the SSID type (available wireless network) that you want to use.

4. Enter correct passkey, and then press [OK].

Note



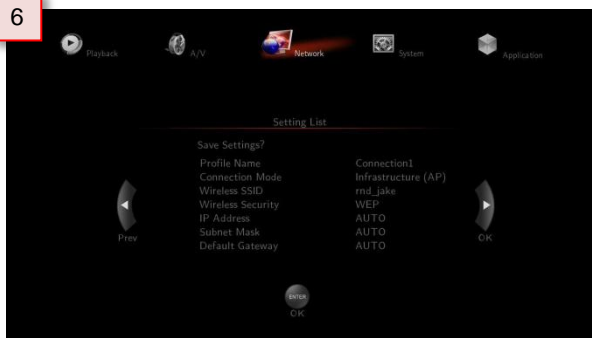
- The "USB Wireless Adapter N" should only be used with the TrekStor TV or HomeServer e-TRAYz. Many other devices will not be compatible.
- Only "Web hex character codes" are supported.
- Web hex encoding supports 64-bit and 128-bit integers.
- If you have the problem of unstable wireless network or low speed, check your wireless channels for optimum signal strength. Changing channel is possible via your router.

Settings

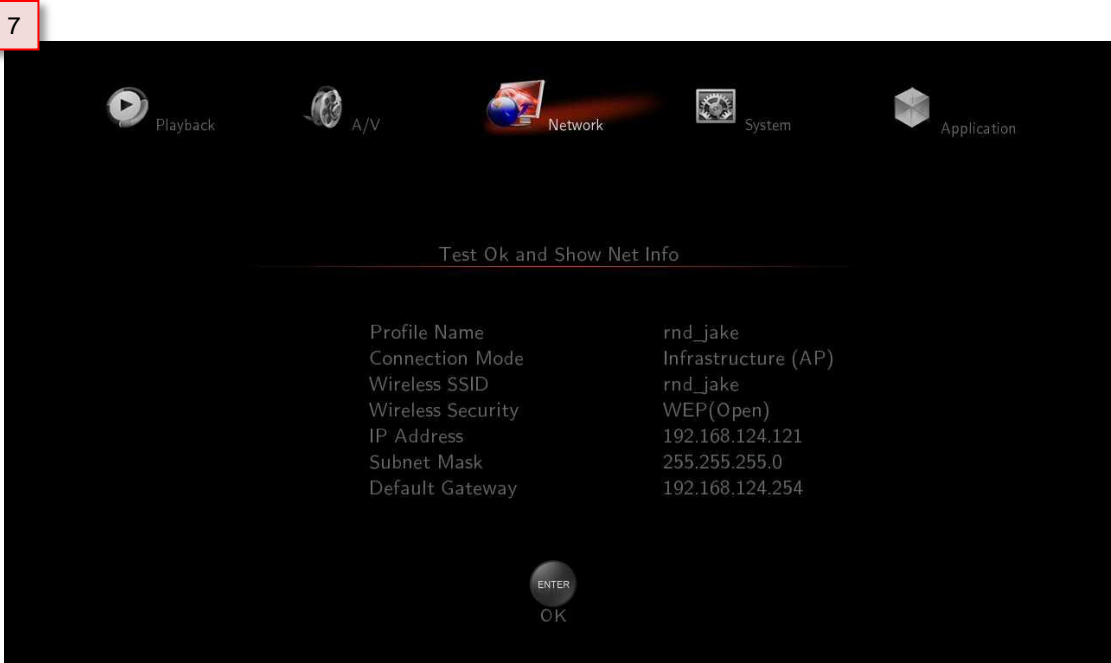
5. Network

5-2. Wireless LAN Setup (continued)

English



- 5. Select DHCP IP (AUTO).
- 6. Press [Enter] button after confirming “Setting List” and then it will try to connect to router so that you will see “Test OK and Show Net Info”.



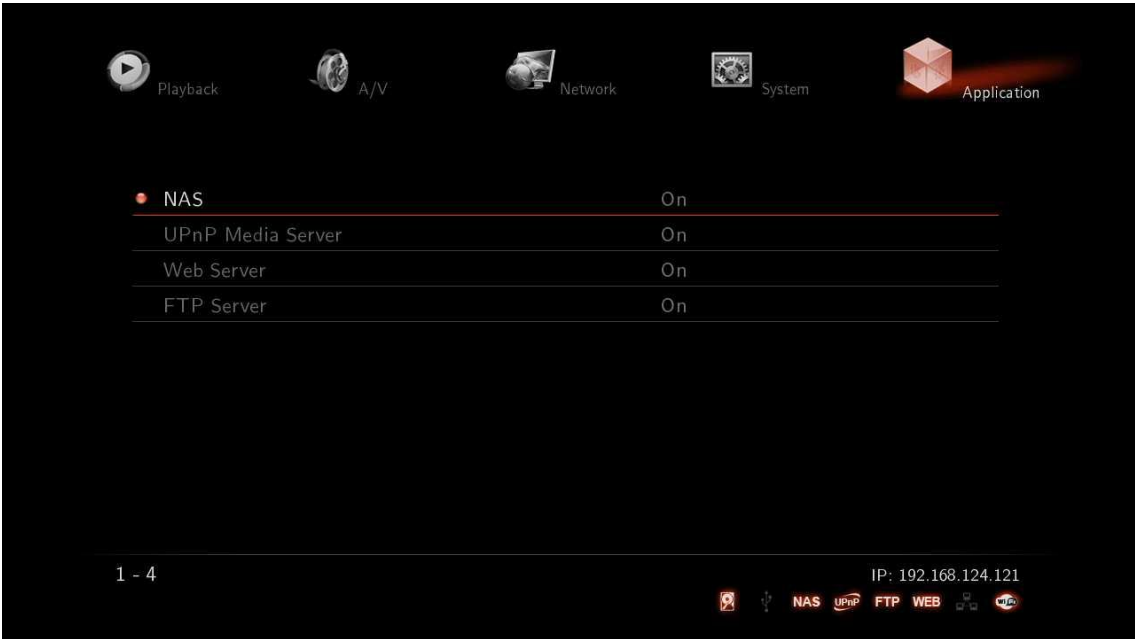
- 7. Save the information by pressing the [Enter] button on your remote after making the settings.

Settings

6. Application

6-1. Using the TrekStor TV as a network drive

English



NAS Network Drive (SAMBA)

You will be able to set up “NAS” in order to optimize the network application functions. A NAS network drive can be used as a convenient means of providing storage and file copying services for all computers that are connected to a TrekStor TV via a network.

UPnP Media Server

You will be able to set up “UPnP Media Server” in order to provide additional network functions, and make possible playback from connected to “UPnP AV Media Server” such as Tversity, PS3 Media Server and XBMC Media Center. This feature supports UPnP Media Server and NFS client functions.

Web Server

It enables you to set up “Web Server” in order add web server functionality. The web server will enable convenient uploading and downloading of files to and from TrekStor TV via a Web browser interface. You can access your TrekStor TV from the Internet using HTTP and control the device by web remote control (browser remote control).

FTP Server

You will be able to set up a “FTP Server”. TrekStor has a built-in FTP service that enables you to manage and copy files to and from it through FTP connection.



Note

If you don't want to use these network functions frequently, setting [OFF] is recommended, because this decreases memory usage and increases security.



What is UPnP?

Universal Plug and Play “UPnP” is a set of networking protocols. The UPnP architecture allows peer-to-peer networking of PCs, networked home appliances and wireless devices. It is a distributed, open architecture protocol based on established standards such as TCP/IP, UDP, HTTP, XML and SOAP. The goals of UPnP are to allow devices to connect seamlessly and to simplify the implementation of networks in the home. UPnP achieves this by defining and publishing UPnP device control protocols DCP built upon open, Internet-based communication standards.

Major Functions

© Main Menu

English



Favorites	This option provides a shortcut to the list of your favorite folders and files.
Media Library	You can browse your files via the Media Library. It allows you to search for the files on your internal hard disk, external storage and optical devices, network etc. There are several options: USB, HDD, Network Shares, NET, UPnP, Playlist, DVD and e-TRAYz (TrekStor or Xstreamer NAS solution).
Internet	TrekStor TV offers high-quality live streaming of videos through the Internet without the need to download any files in advance.
Internet Radio	TrekStor TV supports high-quality live streaming of music, talk and audio with the Internet Radio function. Browse preset categories and your own favorite stations.
File Manager	TrekStor TV has a built in file manager that allows you to easily copy files to and from any USB attached drive to TrekStor TV's internal HDD without having to use a computer.
Settings	You will be able to set up Playback, A/V, System, Network, and Application for your convenience.

Major Functions

1. Media Library Menu

Using the Media Library



English

RC	Button	Description
Up/Down Navigation Key		Moves the cursor up (or down).
Left/Right Navigation Key		Selects among tap menus and filters file lists.
ENTER		<ul style="list-style-type: none"> - Single file playback - You can use the "ENTER" button to select additional files in a folder after pressing the [ADD] button.
ADD		Selecting files
EJECT		<ul style="list-style-type: none"> - You can add files, which are selected by [ADD] button, to Playlist by pressing the [EJECT] button. (※ Add to playlist function works only for internal HDDs.) - You can open (or close) external tray load ODD/DVD ROM.
PREVIEW		You can change file view options for [All / Music / Photos / Movies / Internet Radio]. The supported options are [File List / Preview / Thumbnail].
FUNC		<p>This button provides a variety of functions for marked (highlighted) files and folders</p> <ul style="list-style-type: none"> - You can change folder and file names. (default language : English, Multi language : Keyword) - You can delete folders and files. - You can set folder lock and lock off. - You can add files to [Favorites].* <p>* Making multiple selections of files by pressing the [ADD] button is possible when adding files to [Favorites], however, selecting multiple folders isn't possible.</p>
RETURN		With this button, you can cancel an action or go back to the previous menu.
PLAY/PAUSE		Continuous Playback (or Pause).
PGUP/PGDN		Display the next page (for quick movement).



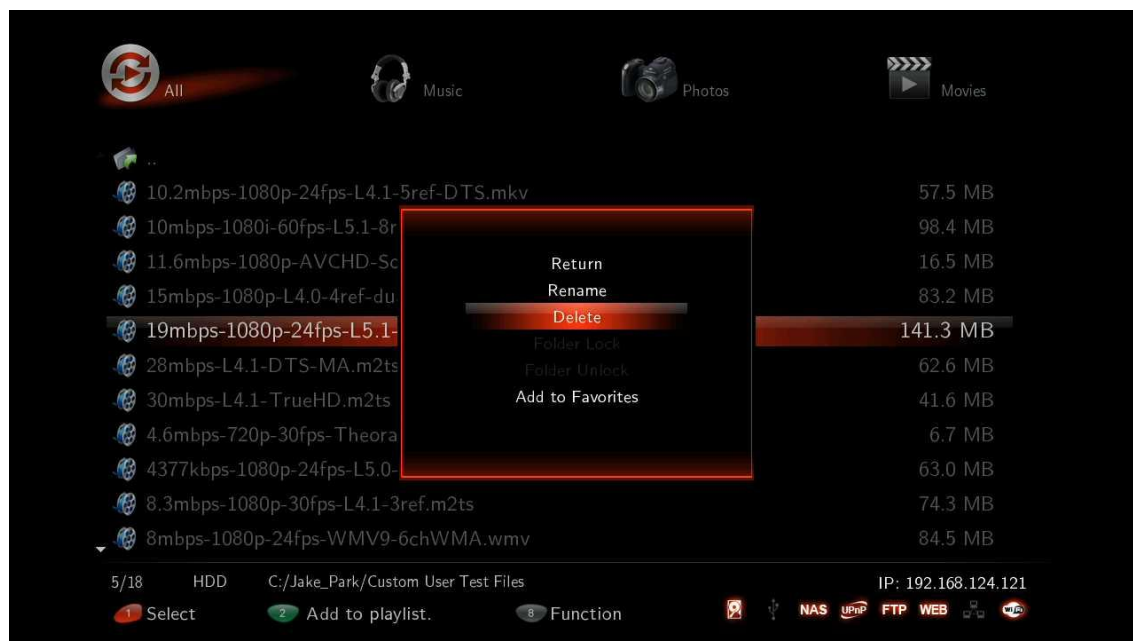
How to use "Folder Cover Art" support

Folder Cover Art is automatically supported when there are movie poster files named "Cover.jpg" or "Folder.jpg" in the folder. But if there is no "Cover.jpg" or "Folder.jpg", the first file on the list will be shown.







Major Functions

1. Media Library Menu

Using the Media Library (continued)



English

RC	Button	Description
DELETE		Using this button, you can delete the selected files and folders.
TVOUT		Press once: You can see the current status of TVOUT. Press more than twice: changes TVOUT type.
VOL + / -		Adjusts the sound volume
MUTE		Mutes the sound
SETUP		You enter the settings menu
HOME		With this button, you can go back to the main menu.



Tip

How to use the specialized preview functions

Thumbnail View function - Thumbnails are reduced-size versions of pictures. When you are in the "Photos" mode and you press the [PREVIEW] button, you can browse through thumbnails of all images in the current directory, which gives you a better overview of the available images. You will not be able to use this function in "ALL/Movies/Music" mode.

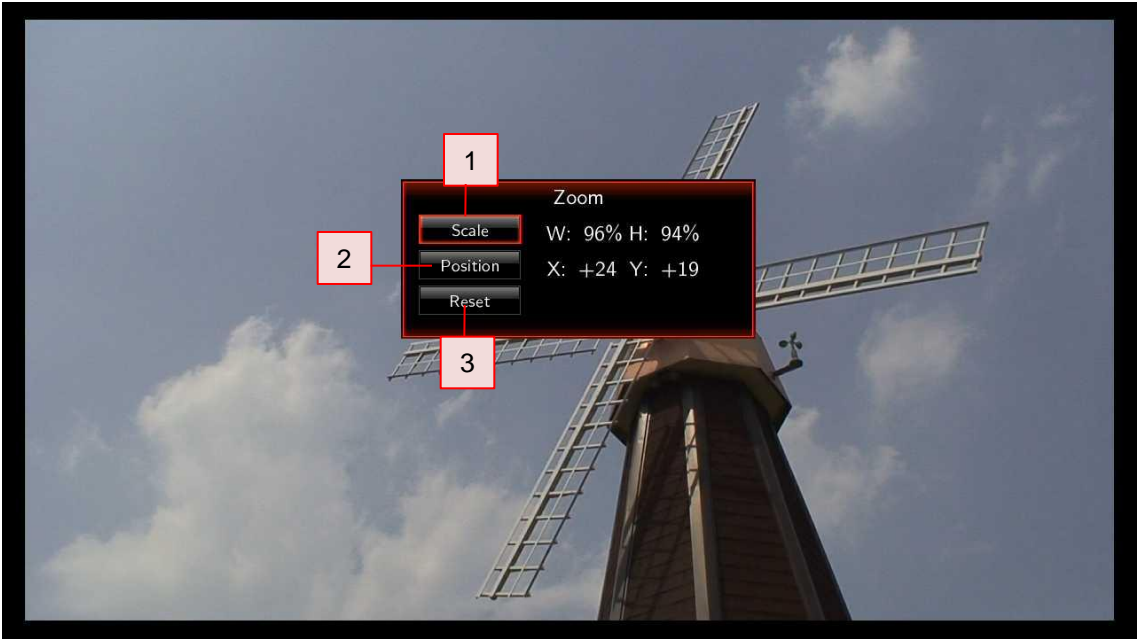
Automatic

Display of ID3 tag and Cover Art – In the "MUSIC" mode, all the music files are automatically played in order and the highlight on the file list moves to the currently played track, displaying the correct ID3 tag and Cover Art. In the "All" mode, which doesn't support automatic playback, the highlight remains on the song you selected so ID3 tag and Cover Art photos are not changed.

Major Functions

1-1. Movie Playback Functions of the Media Library

Usage of Remote Control key functions during playback



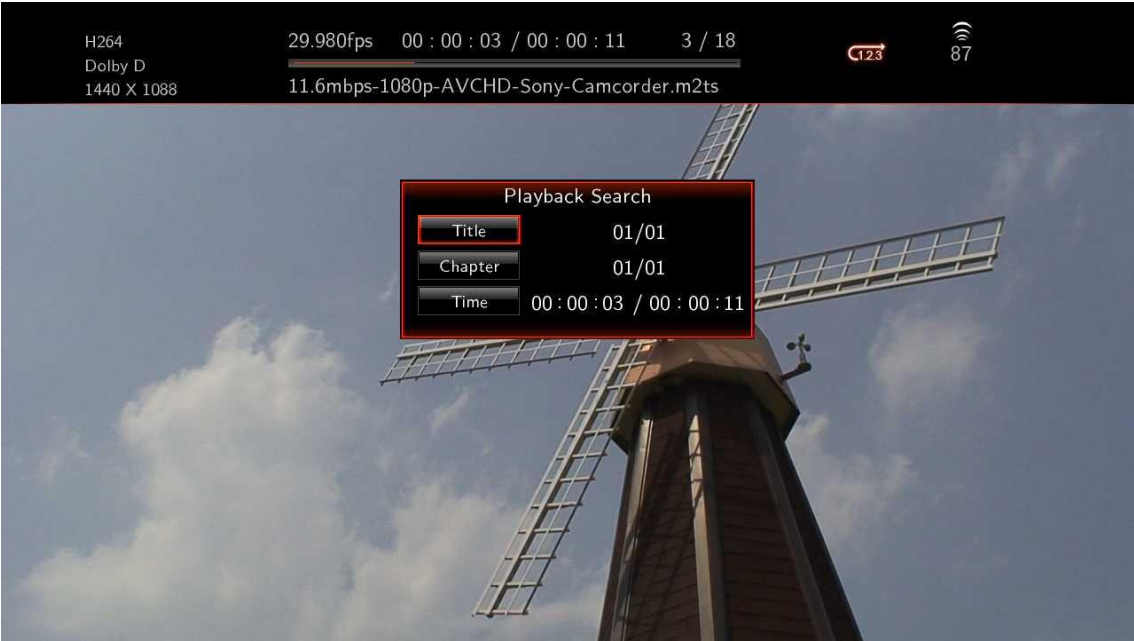
You can adjust the position and scaling of the video output that is visible on your TV so that it matches your viewing preferences.

RC	Button	Description
ZOOM		<p>Using this button, you can modify the scale and position of a video, and reset to default values.</p> <ol style="list-style-type: none">1. Scale – Left (or Right) keys enable you to adjust the vertical size, and the Up (or Down) keys support adjusting the horizontal size after pressing the [ENTER] button.2. Position – The Arrow Keys support adjusting the position of the movie on the screen after pressing the [ENTER] button.3. Reset – Reset to default values. <p>※ “Zoom-in” and “Landscape View” functions are only supported in the “Photos” mode.</p>

Major Functions

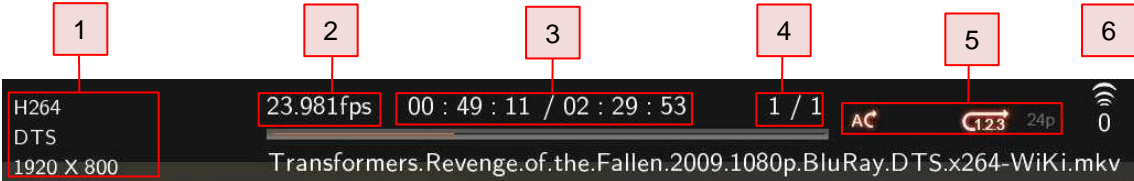
1-1. Movie Playback Functions of the Media Library

Usage of Remote Control key functions during playback (continued)



English

RC	Button	Description
GOTO		1. Title: It shows movie title lists and you can change the playback file. 2. Chapter: You can move to next (or previous) Chapter. 3. Time: You can move to a specific time in the movie.
MENU		Shows the DVD MENU Window when playing a DVD File.
TVOUT		Changes the TV output type.

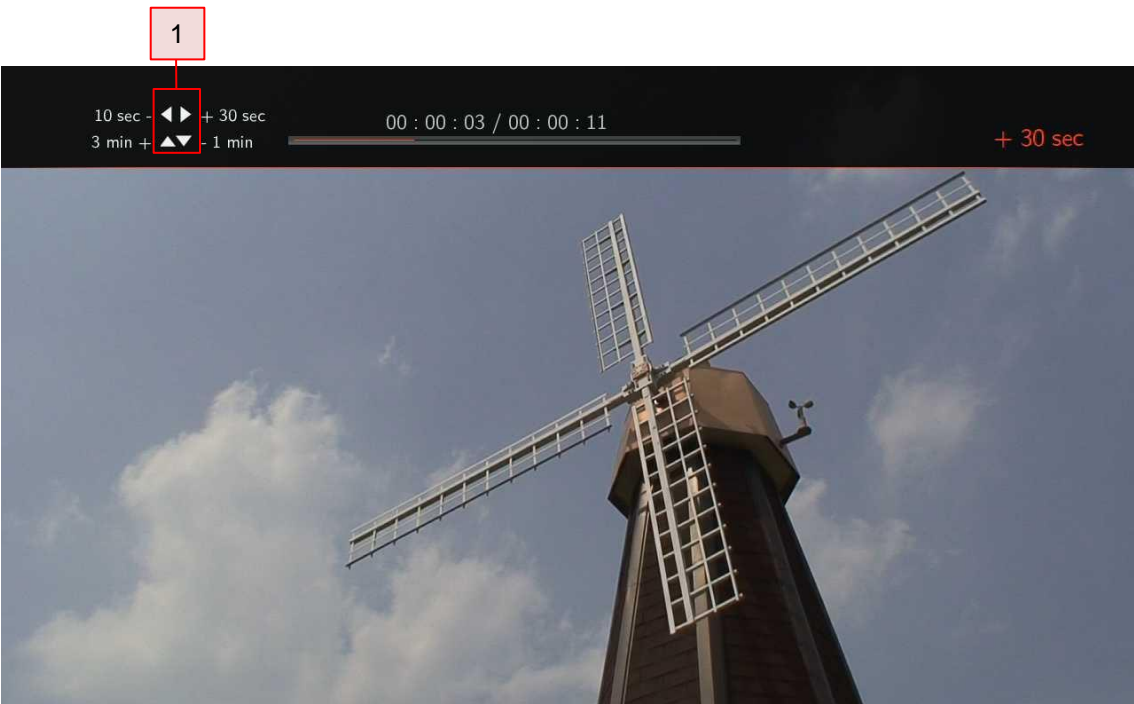


RC	Button	Description
INFO		This button displays information about the file that is being played. 1. It displays codec information and resolution for video and audio. 2. It shows frame rate FPS. 3. It displays total running and current running time. 4. It provides the current position in the file list or the present playback list. 5. It supports current status information of "Repeat/A-B Repeat/Shuffle/24P film". 6. It displays the figure of WiFi wireless signal intensity.
ENTER		- Activates a selected/highlighted item. - Moves forward frame by frame after pressing [PLAY/PAUSE] button to stop.

Major Functions

1-1. Movie Playback Functions of the Media Library

Usage of Remote Control key functions during playback (continued)

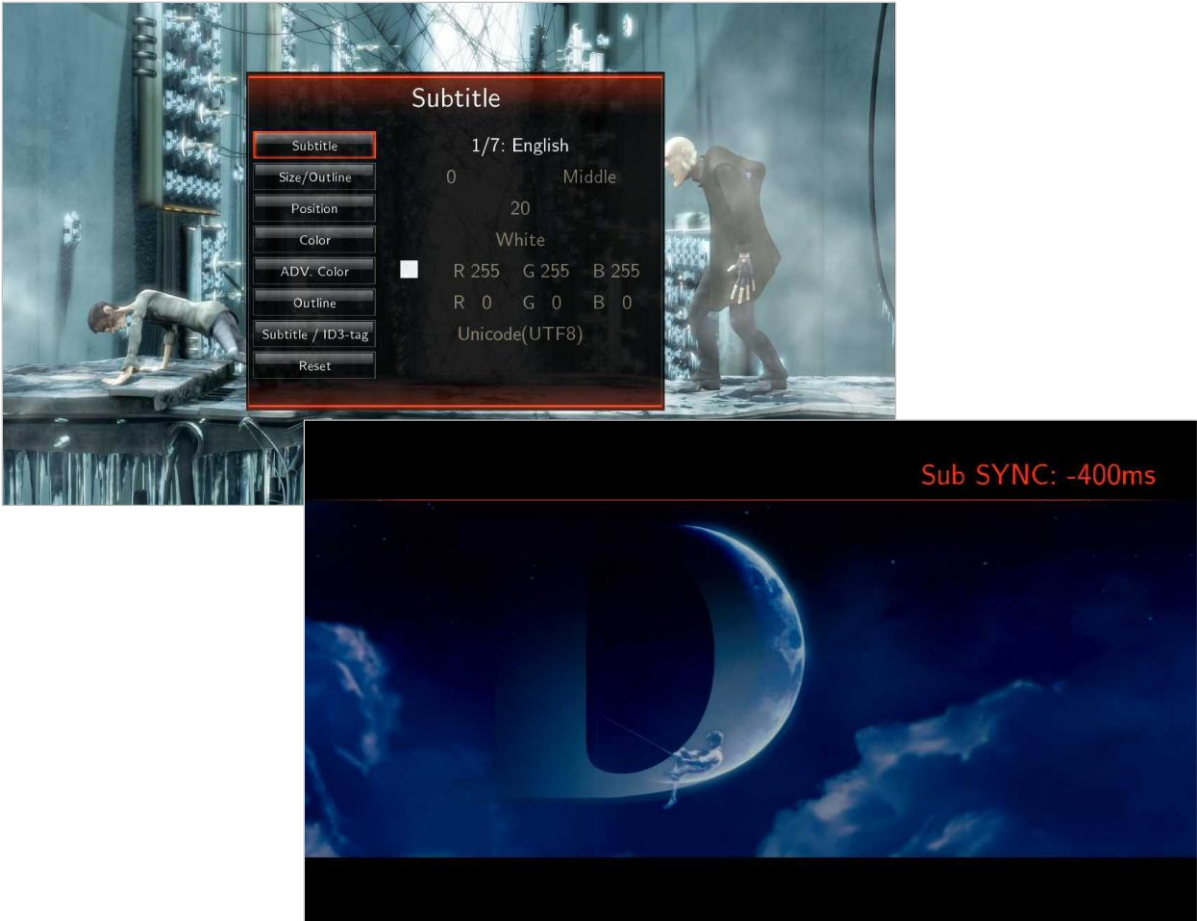











RC	Button	Description
Navigation		These buttons have a skip function during playback (refer to the above picture). ◀ : Skip 10 seconds backwards ▶ : Skip 30 seconds forwards. ▲ : Skip 3 minutes forwards. ▼ : Skip 1 minute backwards.
PGUP/PGDN		Jump to beginning of previous file (or next file). During DVD playback: plays previous chapter (or next chapter).
PLAY/PAUSE		Play or pause the playback
STOP		Stop playback.
FR/FF		Rewind and Forward functions are available with "0.8X/1.1 X/1.2 X/1.5 X/ 2 X/4 X/8 X/16 X/32 X" speeds, for music files these functions are available with 2X speed control.
VOLUME		Adjust the sound volume.
MUTE		Mutes the sound

Major Functions

1-1. Movie Playback Functions of the Media Library

Usage of Remote Control key functions during playback (continued)

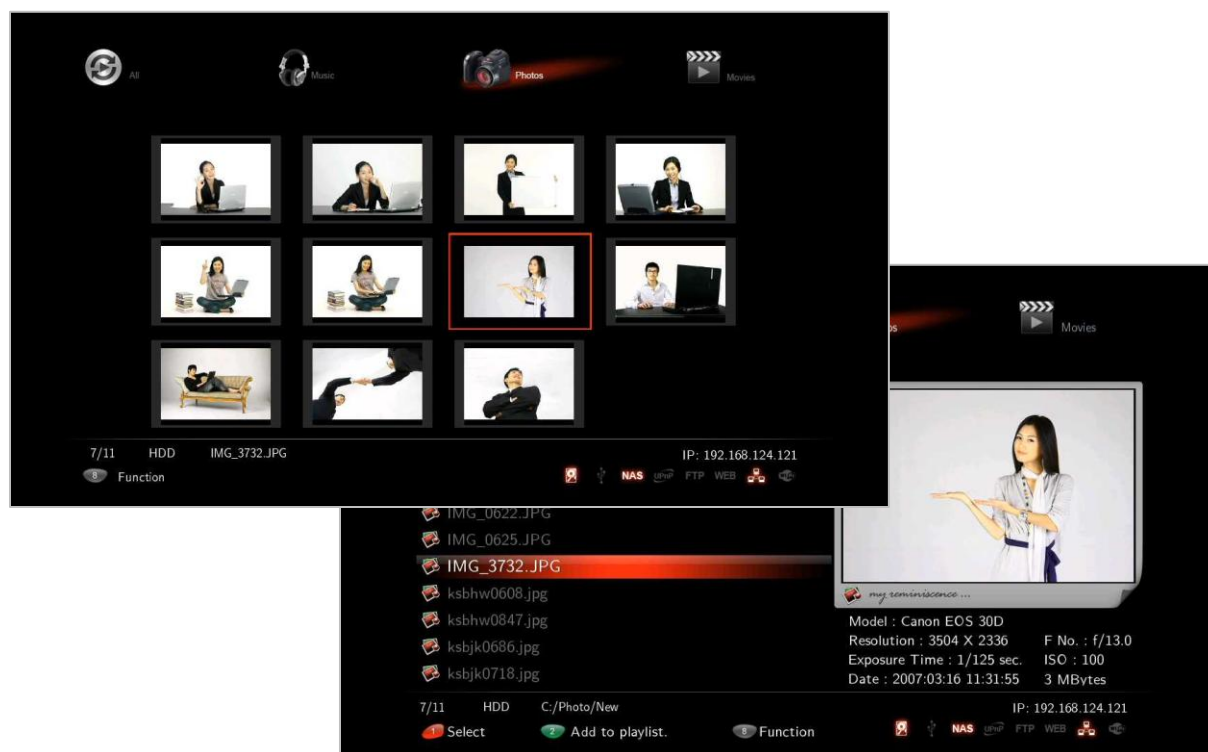


RC	Button	Description
AUDIO		If your video file contains multiple audio tracks, use this button to switch between them.
A-B		Selects the points for the AB-Repeat function; the section in between two presses of this button is repeatedly played.
SHUFFLE		You can change the playback mode between "Playback in order" and "Random playback".
REPEAT		You can select between "playing one file repeatedly" or "playing all files repeatedly".
SUBTITLE		1. Subtitle: Select display of subtitles; both internal & external subtitle files are supported. 2. Searching: Selecting external subtitle files from the folder. 3. Size/Outline: Adjust subtitle size and frame outline. 4. Position: Control the subtitle position. 5. Color: Change subtitle color. 6. Advanced Color: Change the subtitle outline color. 7. Subtitle /ID3-Tag: Select the character encoding appropriate for a language. 8. Reset: Reset to Default.
SYNC SUBTITLE		Adjusts the sync of subtitles by +/- 100ms.
SETUP		Takes you to the settings menu
ADD		Selects a file you want to add to the Playlist.
EJECT		Adds selected files to the Playlist. (After selecting them by pressing [ADD] button).

Major Functions

1-2. Photo Functions of the Media Library

Usage of Remote Control functions in the “Photos” mode



RC	Button	Description
ENTER		Selects and shows a photo file.
PLAY		Starts playback of a slideshow.
INFO		Displays the EXIF information of the photo file which is being displayed. (JPEG/EXIF supported)
STOP		Stops the display of a slideshow.
Left/Right in navigation		Rotates a photo file by 90° to the left (or right).
PGUP/PGDN		Jumps to next file (or previous file).
VOLUME		Adjusts the background music volume
MUTE		Mutes the background music
SHUFFLE		Changes the playback modes (Ordered Playback or Random Playback).
ADD		Selection of files you want to add to the “Playlist”. ※ Only works for files stored on an internal HDD
EJECT		Adds selected files selected with [ADD] button to the playlist.

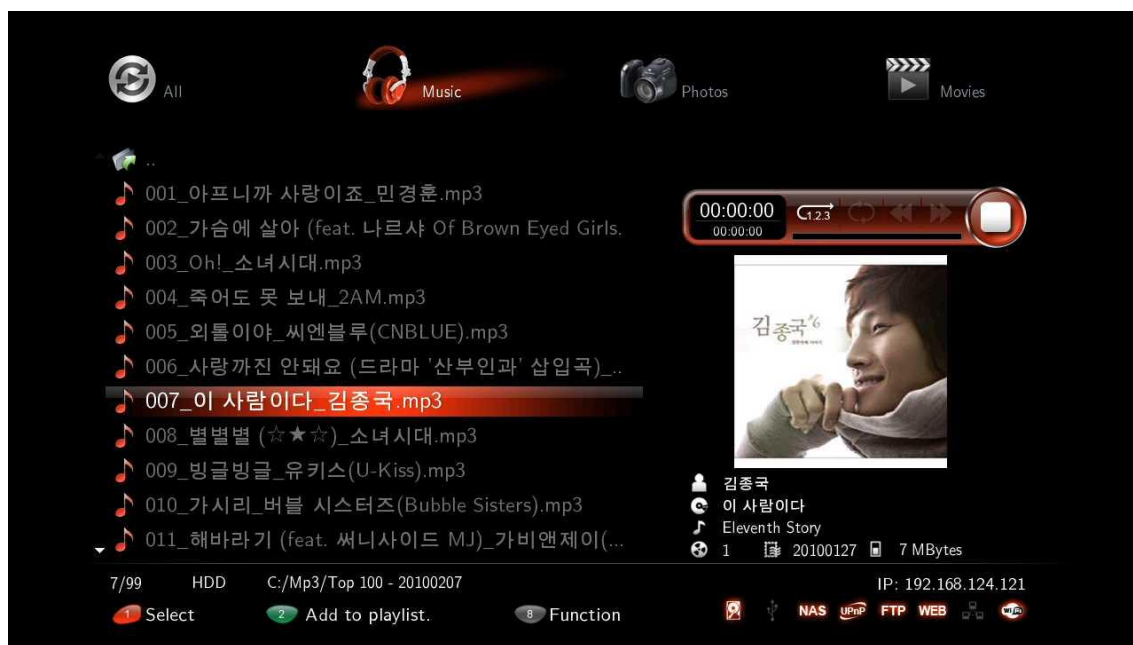


If you use the [PREVIEW] button on your remote, you can switch between Thumbnail view, the display of a preview with JPEG and EXIF data information, or just a list of filenames on the “Preview” Screen.

Major Functions

1-3. Music Functions of the Media Library

Usage of Remote Control functions in “Music” mode



RC	Button	Description
ENTER		Starts the playback of the highlighted music file.
PLAY		Starts playback of music files in the current folder.
PGUP/PGDN		Plays the next music file (or previous music file)..
STOP		Stops playback.
FB/FF		Rewind & Forward function available with (1.1 X/1.2 X/1.5 X/2 X/4 X/ 8 X/16 X/32 X) speeds. Increasing the speed of the music file is possible until 4 X.
SHUFFLE		Changes the playback mode (Order Playback or Random Playback).
REPEAT		You can select between “play one file repeatedly” or “play all files repeatedly”.
VOLUME		Adjust the sound volume.
MUTE		Mutes the sound

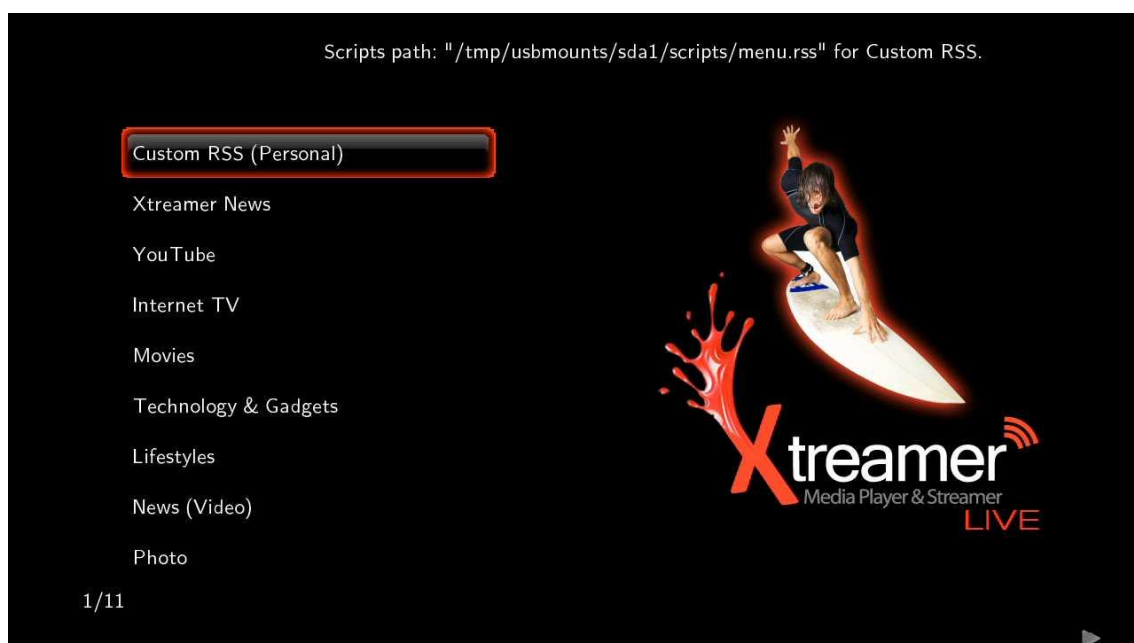
Major Functions

2. Internet

2-1. Xtreamer Live Introduction

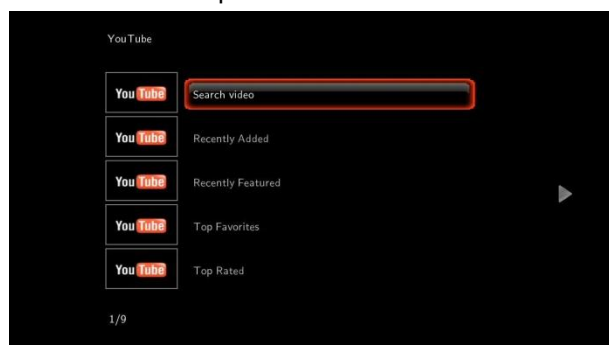
The TrekStor TV is a FLV capable device. It allows you to watch live streaming content from hundreds of web publishers such as CNN, ESPN, various music, gaming and technology channels and more on your TV. TrekStor TV also enables you to enjoy "YouTube" FLV files straight on your TV without using your PC.

You can also add your own favorite feeds and channels or enjoy a vast selection of custom internet content collected by the Xtreamer community. For more information please visit the official forum – <http://forum.xtreamer.net>.



2-2 How to use the "YouTube" function

You can select [YouTube] on the "Internet" menu, and then choose the types from the available lists: Recently Added, Recently Featured, Top Favorites and Top Rated. You can also use the "Search Videos" function provided.



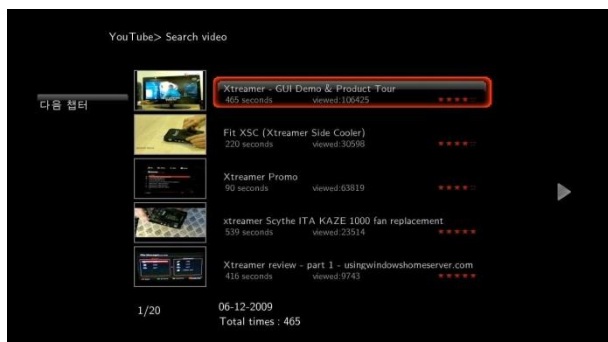
First, Select [Search Video].



Type characters you want to search for.
(Supported Languages: English / Multi-Language: Using Key word is enabled)

Major Functions

2. Internet (continued)



For instance, if you type [Xtreamer] to search, there will be lists regarding Xtreamer, and then you can select whatever you want to watch; refer to the above image, it has the same result on the TrekStor TV and a PC.



English

HD Resolution Online Streaming View



Channel Links for "Internet TV" Category



Channel Links for "Technology & Gadgets" Category



Channel Links for "News (Video)" Category



Channel Links for "Life Style" Category



Note:

Your Internet connection and local environment may have an effect on the "Online Streaming Service" so that the connection may be unstable. Changes of supported channels are subject to manufacturer's condition in order to improve and optimize the video streaming experience.

Major Function

2. Internet (continued)

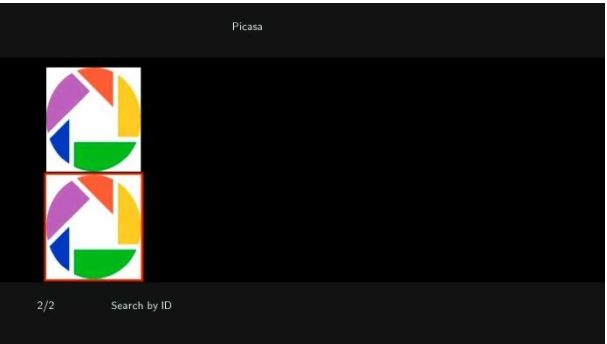
2-3. How to use the “Picasa (Google)” function

What's the Picasa function?

Picasa is a software application for organizing and editing digital photos, originally owned by Google. You will be able to look for photos and to search by key words as well as using your own account ID.



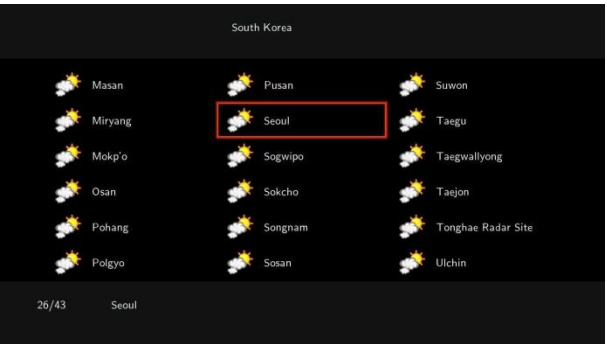
Click [Internet] – [Photos] – [Picasa].



Select from keywords or type in keywords so that you can look at photos. You can also use your account ID.

2-4. How to use the “Weather” function

You will be able to check Today's and Weekly weather forecast by country and city name.



Supported Remote Control Button	
	Zoom in
	Zoom out
	Change “Measurement Unit”
	Switch between available Screens

Major Functions

3. File Manager

Using the “File Manager” function



English

RC	Button	Description
Navigation Keys		Used to move the cursor up, down, right, left.
ENTER		Enters a directory.
Red Button[1]		Add or select folders and files.
Green Button[2]		Cancel the current selection of files and folders.
Yellow Button[3]		Goes on to next step or starts copying.



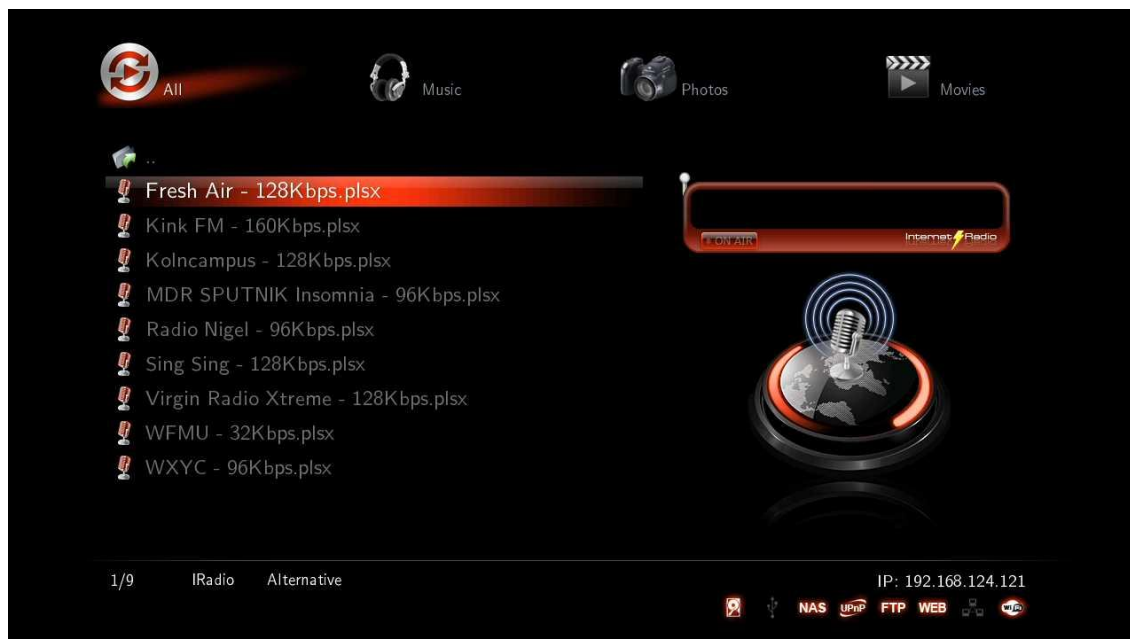
File Manger for practical use

The TrekStor TV has a built in file manager that allows you to easily copy files to and from any USB attached drive; Digital Camera, MP3 Player or Mobile Phone to the TrekStor TV's internal HDD without having to use a PC. You will even be able to back up your files easily by using your remote control.

Major Functions

4. Internet Radio

• Using the “Internet Radio” function

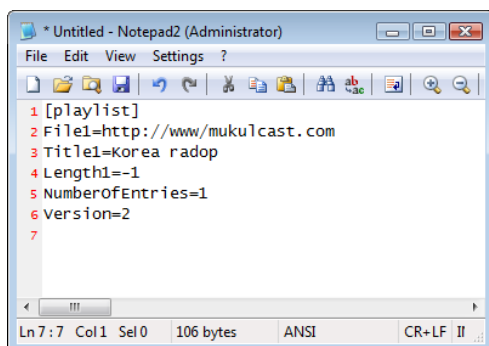


RC	Button	Description
Navigation		Moves the cursor.
ENTER		Checks and plays a highlighted Internet radio station.
Preview		Switches to “Preview” mode or “List” mode.

• How to use “Internet Radio”

If you want to listen to a radio station by adding it to the list stored on your TrekStor TV, you will need to use a “<http://>” address type and need to create a [.plsx] extension file.

• How to create [.plsx] extension file when you already know the radio address



[example 1]

1. Open [Note Pad] or another plain text editor.
2. Type information in a format similar to the example shown on the left.

File1=<http://>“Internet Radio Address”
Title1=“Title”

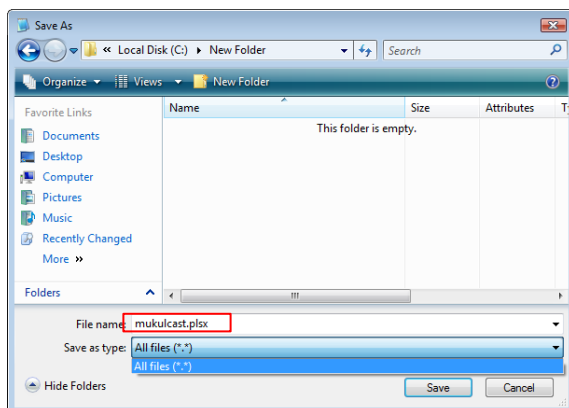
3. Type Internet Radio Address into File1=“”, and type title into Title1=“”.

※ “<http://>” type is the supported type; [MMS] type isn't currently supported.

Note: Members of the Xtreamer community constantly publish new Internet stations lists. For more information, please visit the official forum – <http://forum.xtreamer.net>

Major Functions

4. Internet Radio (continued)



5. Change the file type into "All Files [*.*)".

6. Change the file extension into [*.PLSX].

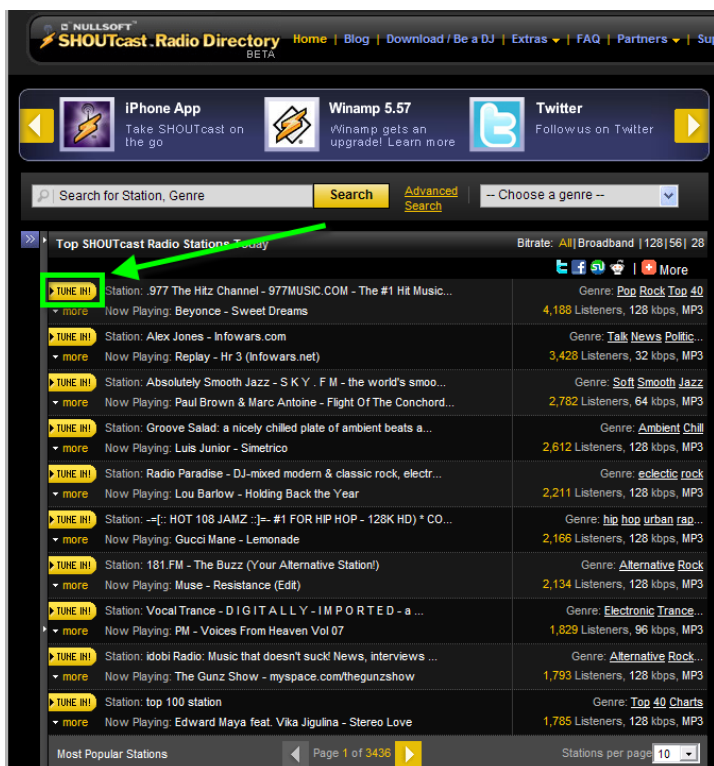
7. Save the file.

8. Copy the stored file to "My Radio" folder of the TrekStor TV, or to where you want to put it.

English

• How to use "SHOUT cast Radio"

Refer to the method whenever you want to listen to the radio at <http://www.shoutcast.com>



1. Access to the web at <http://www.shoutcast.com>

2. Click [TUNE IN!] when you find a station you want to listen to.

3. If window message is popped up to save the file, please change the file extension [pls] into [plsx].

4. The file with a plsx file extension, will be played right away via your TrekStor TV.



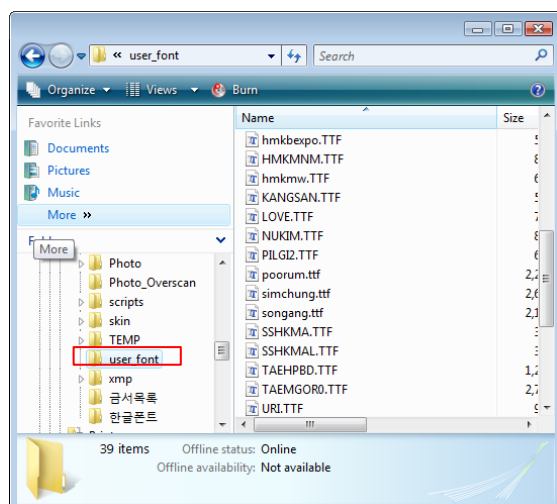
Tip

If you are not able to seek plsx extension file, the file hasn't properly been changed into a plsx extension file.

Major Functions

5. How to add Movie Subtitle TTF Fonts

With the TrekStor TV media player, you can customize subtitle fonts for movie playback. You need to use an internal HDD or an external USB storage device. You also need to prepare the TTF font files before using your custom fonts.

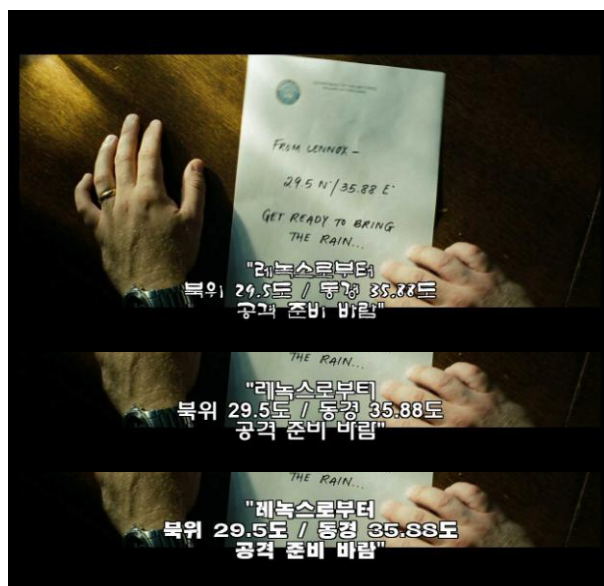


1. Get ready the "TTF file font" that you want to use.
2. Copy the TTF file font into the folder [..\user_font\], which is created automatically.



3. Press [Setting] – [Playback] – [User Subtitle Font] and then select the font that you want to use.

You can change font setting from the "SET-UP" menu during playback.



Tip:

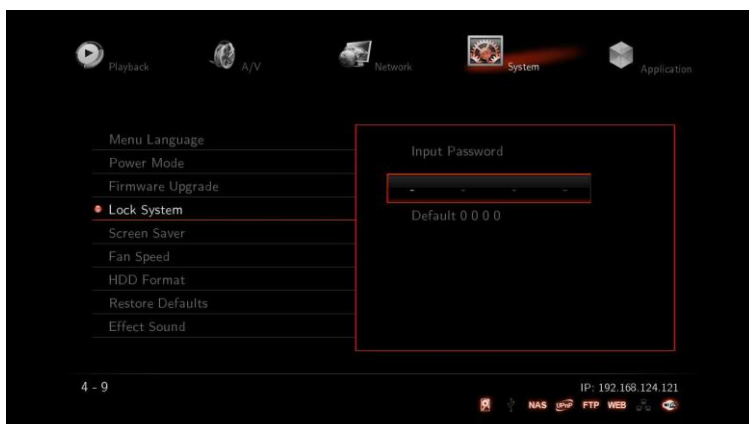
Some font files may not be displayed properly.

The following subtitle types aren't supported for TTF Font Settings: DVD internal subtitle, Blu-Ray internal subtitle, image subtitles [idx+sub, PGS].

Major Functions

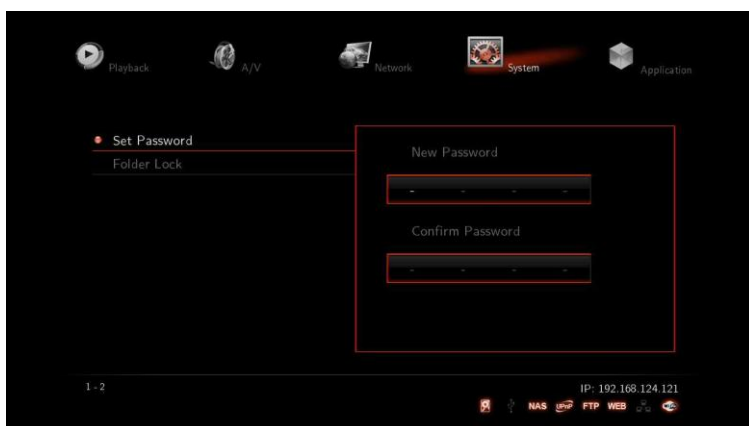
6. How to use the “Lock System” function

This function enables you to keep locked folders on your system, so that they cannot be altered or opened by unauthorized persons by simply assigning it a password. Locked folder will therefore be accessible by password only [Default password: 0000].

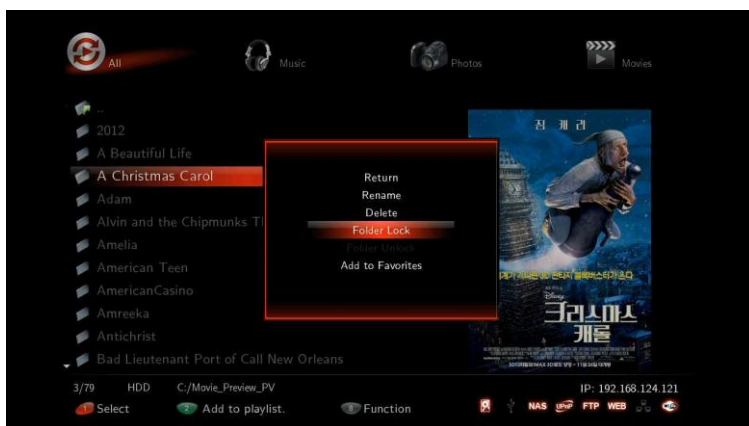



1. First of all, change the default password.

[Setting → System → Lock System → 0000(Default) → Set Password]



2. Enter the new password that you want to use.



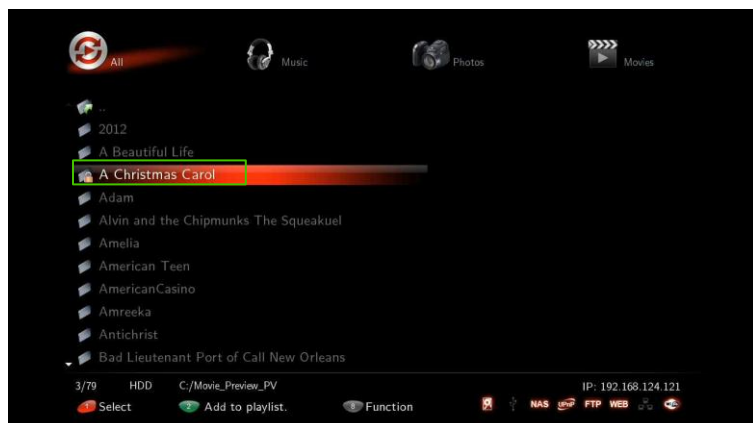
3. Move the cursor to choose a folder you want to lock and then, press  [FUNC] and choose [Folder Lock] so that it will be locked.

Major Functions

6. How to use the “Lock System” function (continued)




4. Enter your password.



5. The folder is automatically locked, and you will see the locked folder icon so that preview can't be seen without entering the password.



6. In order to unlock the folder, place the cursor on the locked folder, press the  [FUNC] button, and then type your password.



Note

A locked folder won't be accessible via the TrekStor TV GUI. However, via a PC connection through USB Slave or via your network (e.g. ftp, http) it will be accessible!

Major Functions

7. How to use the “iPhone® remote” function

If you have an iPhone®, iPod® Touch, iPhone® 3G, and 3GS, you can use it as a remote control via WiFi. It is supported when the TrekStor TV is turned on, however you won't be able to turn on the TrekStor TV by the iPhone® remote function.



1. You should use the same Network AP for your iPhone® and the TrekStor TV, so that you will need a Wireless AP Router.” Check if web server is “ON” or not in Application menu.
2. Run Safari “Web Browser” on your iPhone® and then access to the web server by typing in the allocated IP address of the TrekStor TV as the URL.
3. Click [RC] button on the bottom of the screen to have access to the remote control.



Note

If IP address is 192.168.123.5, type [192.168.123.5/rc] in the iPhone® address bar. “/rc” needs to be lower case, otherwise you will not be able to use the remote function.

Major Functions

7. How to use the “iPhone® remote” function (continued)



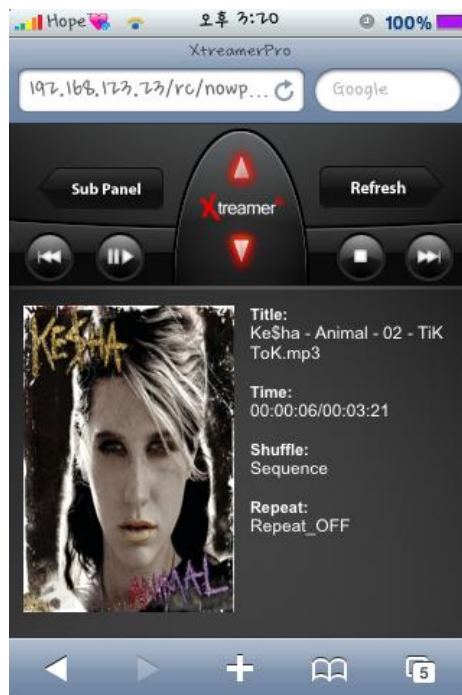
Main Remote Control



Sub Remote Control



If you press the screen, you will be able to look at TrekStor TV screen (refer to the above image). Click [Refresh] button in order to renew the screen.



If you click [Now Playing], it will show Album Art included in MP3 files.



Note

A black screen will be captured if you use the “Screenshot” function during video playback.

Major Functions

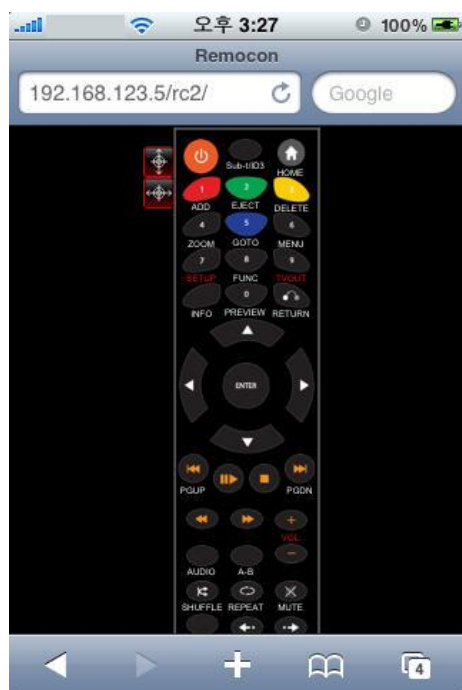
7. How to use the “iPhone® remote” function (continued)



Use this function when you search for YouTube files and when changing the file name.



You will be able to enter multi-languages when searching for YouTube files and altering file names.

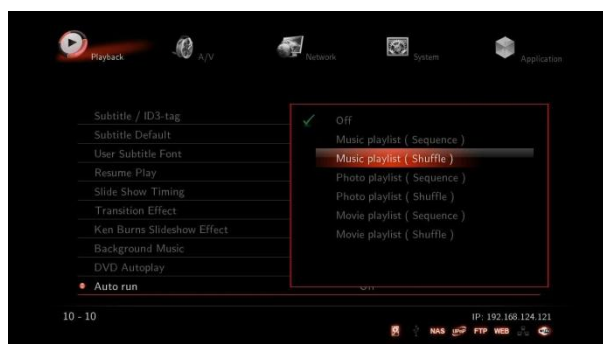
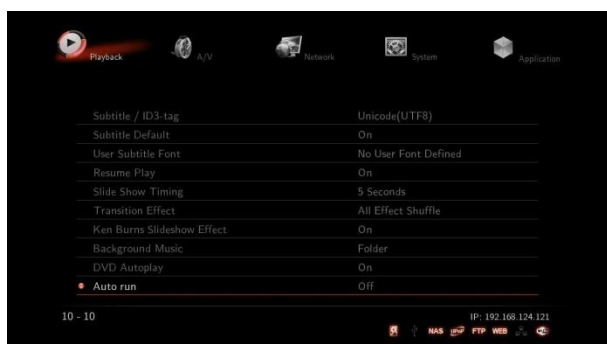


You will be able to use the web remote control as real remote control
 ※ Type ["IP Address"/rc2] with small letters in the address bar in order to use web remote control (Refer to the above image)

Major Functions

8. How to use the “Auto run” function

When you turn the power on, the TrekStor TV detects this and starts a process of examining the device and searching the file you chose to auto play.



1. Select [Setting] – [Playback] – [Auto run]
(This instance is for Music Auto run).

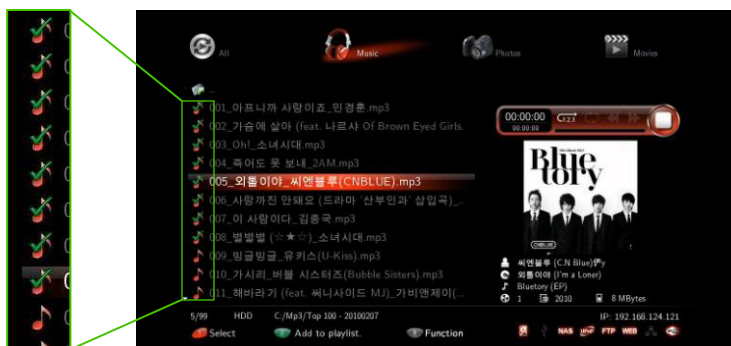
2. Each selected menu “Movie/Photos/Music” is automatically played by classification.



3. Select [Media Library], and search for files
you want to auto run.

4. Move to “Music” top menu by pressing [Right] arrow key.

As files are selected, you will be able to see “√” mark.

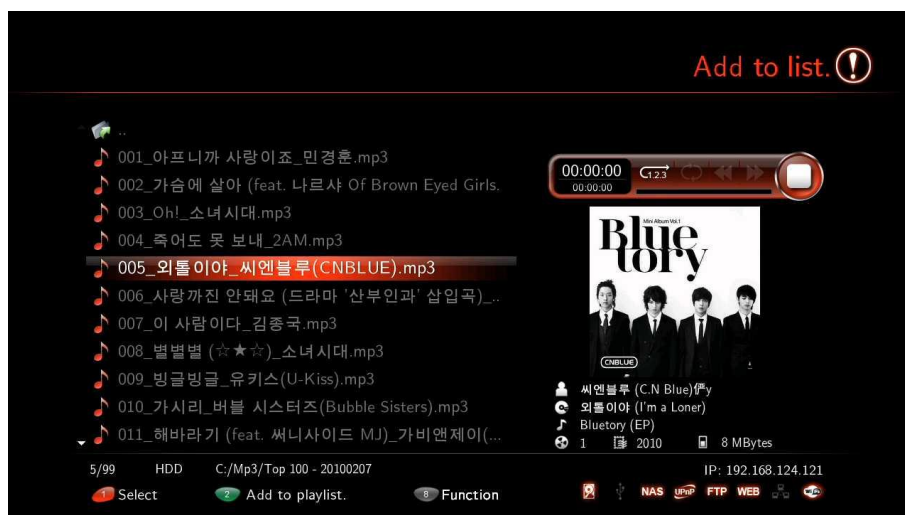


5. Press Button, [1] and then select whatever you want to auto run by arrow keys.

6. You will be able to select files by [ENTER] button after you press the button [1].

Major Functions

8. How to use the “Auto run” function (continued)



7. Add files to the playlist by pressing the button **2** [2] after you have completed making the selection. You will be able to add files from other folders later.



8. Select [Media Library] – [Playlist] in order to check if the files have been added correctly or not.



9. Check all additional items, and then confirm the [Autorun] function is working well by rebooting.

Tip. The playlist autorun function works only for internal HDDs.



Tip

Only files on the internal HDD are played automatically.

Advanced Users Guide

1. Web Server

1-1. Initial Setting for Web Server connection

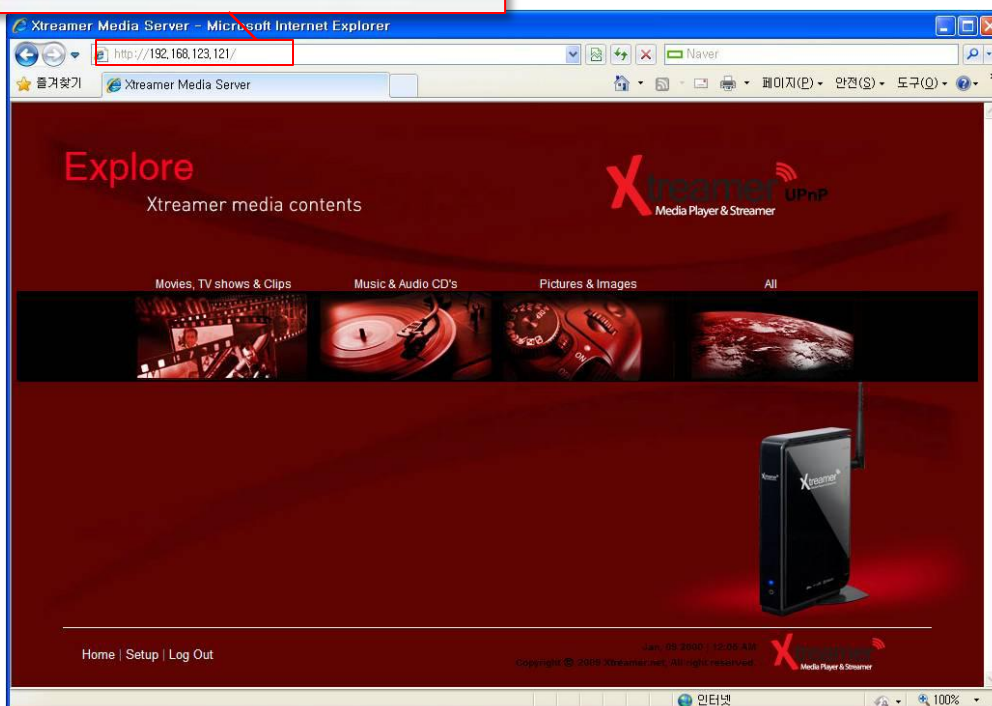
In order to use the "Web Server" for TrekStor TV, establishing a Network and connection to a computer is essential.

1. Firstly, check if IP address is correctly accessed in your Network.
2. Confirm the allocated IP and then setup [System] - [UPnP Media Server] - [On].
3. Enter the allocated IP address of the TrekStor TV in URL address bar. The computer and the TrekStor TV need to be in the same local network/subnet.

On* : 192.168.124.121



http://192.168.123.121/



- We recommend you to connect via a wired network to use the Web Server.
- Using the latest version of browsers is highly recommended.
- MS IE6 may cause problems because it lacks support for many features e.g. PNG file support etc.

Advanced Users Guide

1. Web Server

1-2. How to use the “Set-up menu” of the Web Server

English



Menu	Description
Login	Used to set the ID and the password needed to access the web-server.
DDNS	Allows you to access your TrekStor TV over the Internet from anywhere in the world. Simply type <i>yourchosenname.myxtreamer.net</i> in your browser. The Xtreamer DDNS service is free!
HTTP	<ul style="list-style-type: none">- Changes the HTTP Port (default value: 80).- Changes the HTTP Port used if 80 Port isn't supported, e.g. 8080. [For instance, in the case of Korea, if you access from external, you need to change the 80 port because it is blocked by Korea communication service. (Please make sure to open/forward a relevant port on your router.)]
FTP	Changes the FTP connection port number (default value : 21).
Live	<ul style="list-style-type: none">- Makes it possible to add user specified RSS addresses when you use Xtreamer Live. (The Web port default value must be 80!)- Live keyword: This button enables you to connect “make” button on the TrekStor TV key board input screen.- If you use the keyword function, you can enter and search in different languages.
Backup/Restore	Saves or restores UPnP setting value.
Language	Changes the language for the UPnP media server.
NAS Mode	Blocks TV output from the TrekStor TV so that more stable network environment can be provided.
NFS Client	It mounts NFS File System. Generally, it enables you to use the file system only for NAS Server product by mounting.
Workgroup/Hostname	Changes the network group and hostname of the TrekStor TV in the Network. (Default Value : myxtreamer)
TV Skin	Changes or restores GUI skin.

Advanced Users Guide

1. Web Server

1-3 How to use the “Web GUI File Manager” of the Web Server



Menu	Description
Video	Shows only video files.
Audio	Displays only audio files.
Photos	Shows only photos files.
All	Displays all files.
Mylist	You can manage "Mylist", [Media Library] – [Mylist].
Upload	Can be used to upload files. You can upload several files at a time.
File Manager	You can create new folders, change filenames, copy, move and delete.



Note: Please note that the remote downloading via web server is solely dependent on your home network upload speed.

Advanced Users Guide

1. Web Server

1-4 How to use the "File Upload" & "File Download" functions



How to Upload to the Web Server

1. If you click [Upload] button, a window will pop up (refer to the next image) where you can add the files you want to upload.
2. Clicking the [Upload] button starts the automatic uploading. (Uploading in excess of 2GB is impossible due to capacity limitations of the web browser)
3. When the "Upload" list disappears, it means that all files have been transferred.



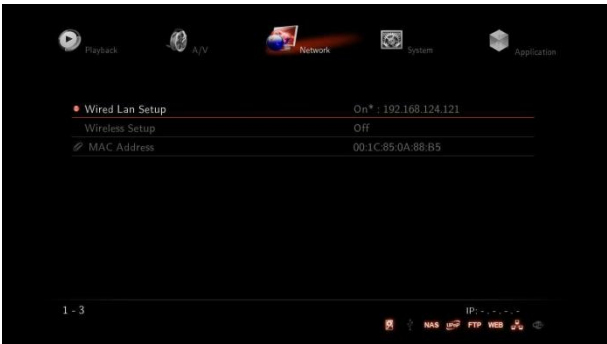
How to download files

1. Click file you want to download after accessing the TrekStor TV via UPnP. You will be required to click on [Save as] in some cases, depending on the web browser you use.
2. We'd recommend you to use the latest version of a UPnP capable web browser which provides connection link in order to run GOM/VLC/WMP Player properly.

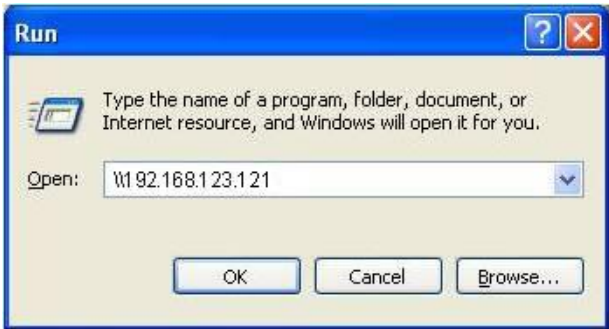
Advanced Users Guide

2. Using the TrekStor TV as a NAS (Network Attached Storage)

If you want to use your TrekStor TV as a network drive, it needs to be in the same network and subnet as your computer.



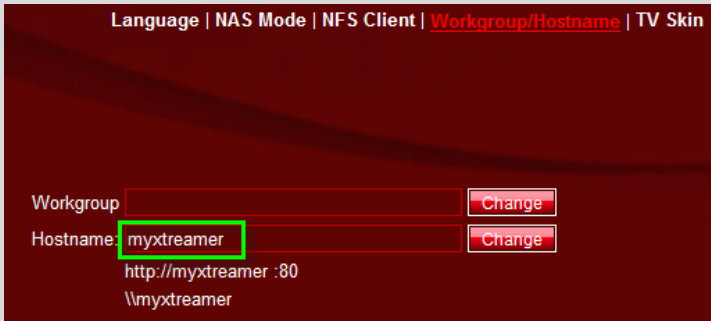
1. Check if the IP address from your router is correctly allocated or not.
2. Press [Application] – [NAS] - [ON].



3. For Windows® users, click [Start] - [Run] – [Example] (refer to the above image and the below examples).

(Example-1)
Type [\\192.168.124.121] if you know the allocated IP address of your TrekStor TV. : 192.168.124.121

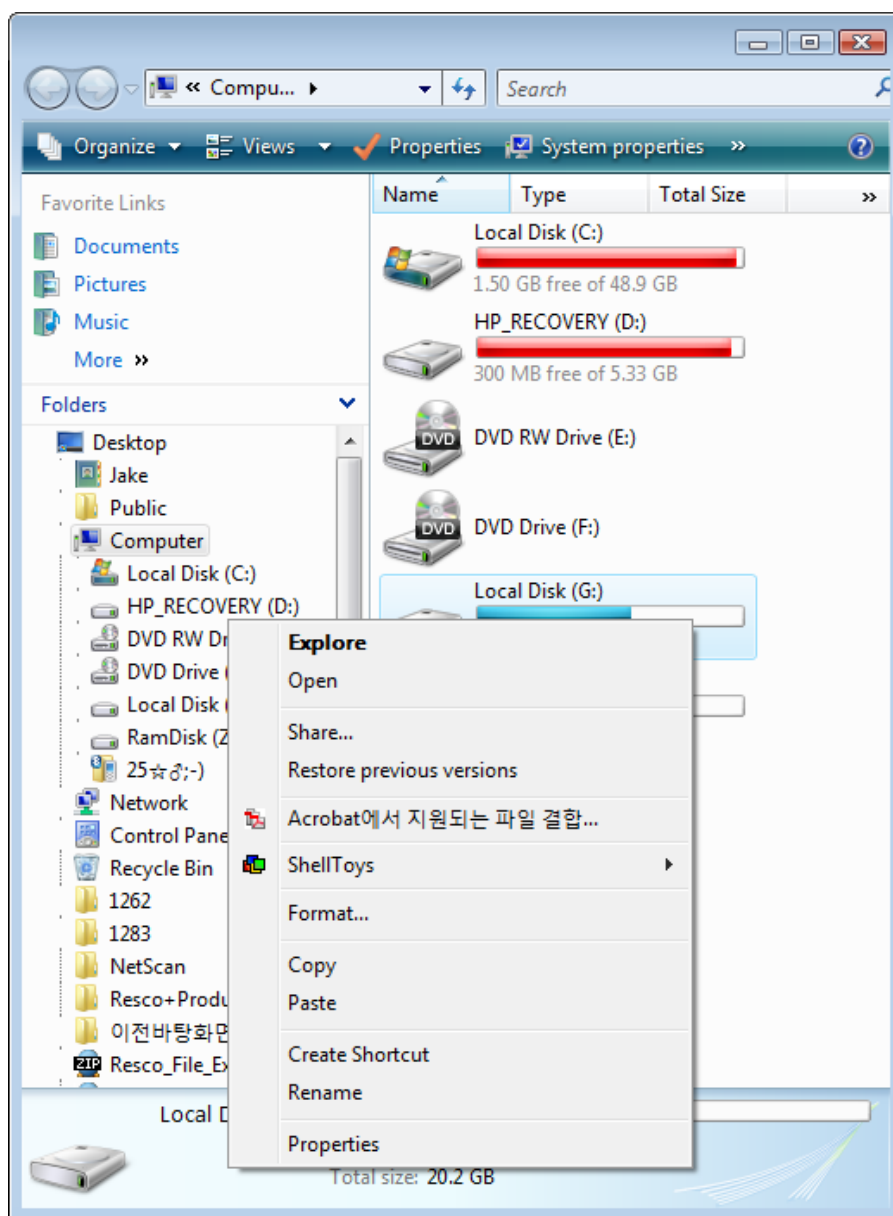
(Example-2)
Type [\\myxtreamer] (refer to the below image) if you use your router's DHCP function to get an IP which may change each time you boot your TrekStor TV.



TIP:
You will be able to connect network drive easily if you change [myxtreamer], which is a default value in Web Server Hostname, into a simple name, e.g. [myserver].

Advanced Users Guide

2. Using the TrekStor TV as a NAS (continued)



4. Click on the right mouse button after selecting the searched folder, Xtremer.
5. Click [Map Network Drive...] on the pop-up menu so the network drive connection can be completed.
6. You will be able to easily manage files on the added network drive in Explorer so you don't have to connect it each time.

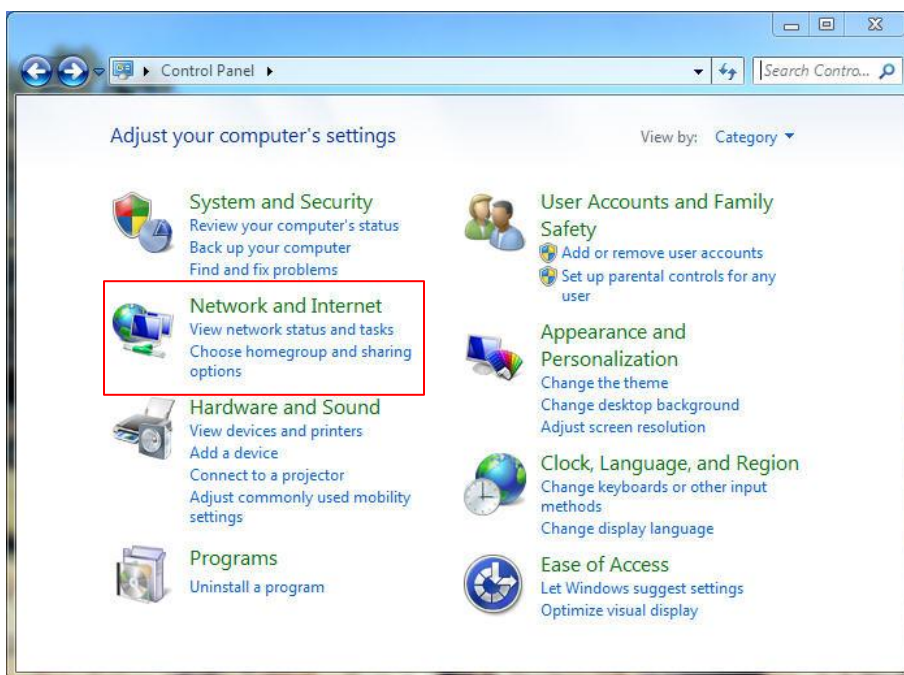
Advanced Users Guide

3. How to set-up Folder Sharing in Windows® 7

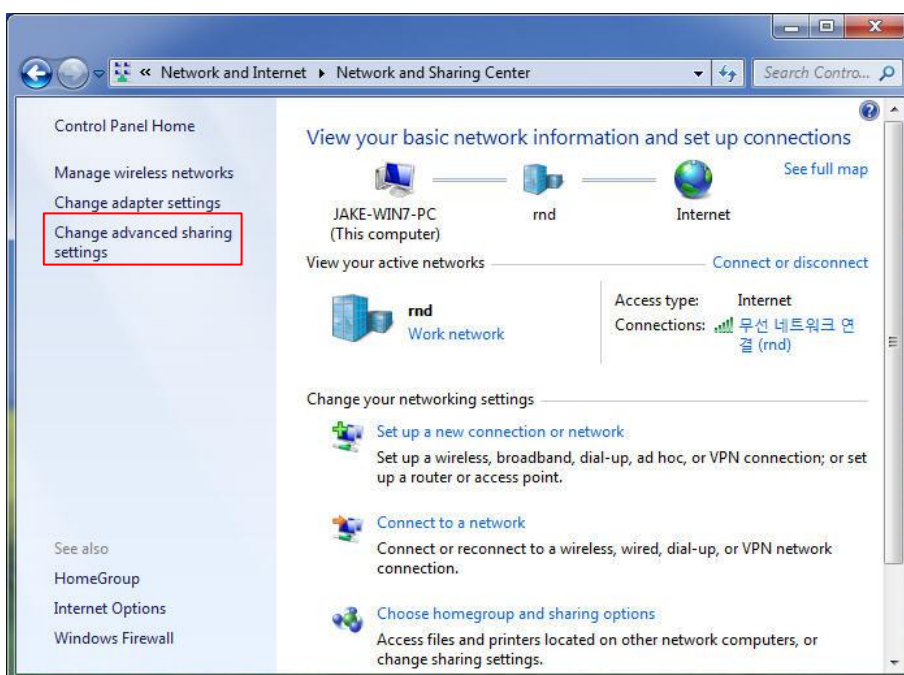
Folder sharing has to be permitted if you want to access files stored on your PC with your TrekStor TV.

The following instructions are for Windows® 7 Ultimate.

English



1. Click [Start] – [Control Panel] - [View network status and tasks in Network and Internet].



2. Click [Change advanced sharing settings] on the left side of the screen once the "Network and Sharing Center" is displayed.

Advanced Users Guide

3. How to set-up Folder Sharing in Windows® 7 (continued)

Change sharing options for different network profiles

Windows creates a separate network profile for each network you use. You can choose specific options for each profile.

Home or Work (current profile) ⬆

Network discovery

When network discovery is on, this computer can see other network computers and devices and is visible to other network computers. [What is network discovery?](#)

☒ Turn on network discovery
☐ Turn off network discovery

File and printer sharing

When file and printer sharing is on, files and printers that you have shared from this computer can be accessed by people on the network.

☒ Turn on file and printer sharing
☐ Turn off file and printer sharing

Public folder sharing

When Public folder sharing is on, people on the network, including homegroup members, can access files in the Public folders. [What are the Public folders?](#)

☐ Turn on sharing so anyone with network access can read and write files in the Public folders
☒ Turn off Public folder sharing (people logged on to this computer can still access these folders)

Media streaming

When media streaming is on, people and devices on the network can access pictures, music, and videos on this computer. This computer can also find media on the network.

Media streaming is on.
[Choose media streaming options...](#)

File sharing connections

Windows 7 uses 128-bit encryption to help protect file sharing connections. Some devices don't support 128-bit encryption and must use 40- or 56-bit encryption.

☒ Use 128-bit encryption to help protect file sharing connections (recommended)
☐ Enable file sharing for devices that use 40- or 56-bit encryption

Password protected sharing

When password protected sharing is on, only people who have a user account and password on this computer can access shared files, printers attached to this computer, and the Public folders. To give other people access, you must turn off password protected sharing.

☐ Turn on password protected sharing
☒ Turn off password protected sharing

HomeGroup connections

Typically, Windows manages the connections to other homegroup computers. But if you have the same user accounts and passwords on all of your computers, you can have HomeGroup use your account instead. [Help me decide](#)

☒ Allow Windows to manage homegroup connections (recommended)
☐ Use user accounts and passwords to connect to other computers

Public ⬇

Save changes Cancel

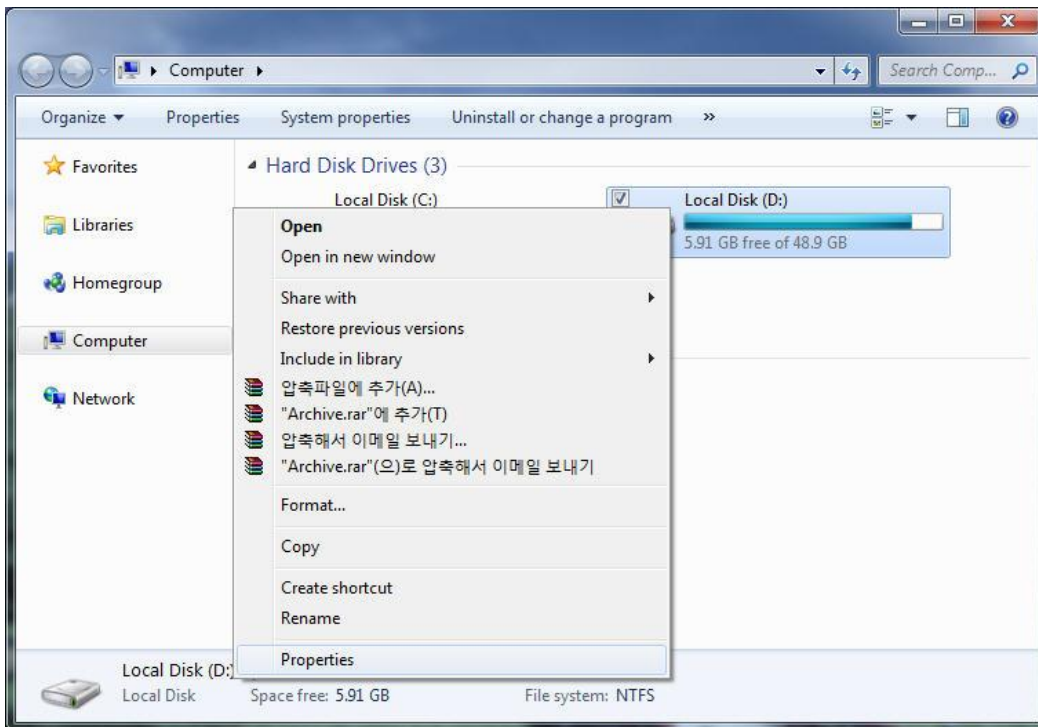
3. Change sharing options (as marked in the above image).

The sharing options need to be applied for home or company (Current Profile).

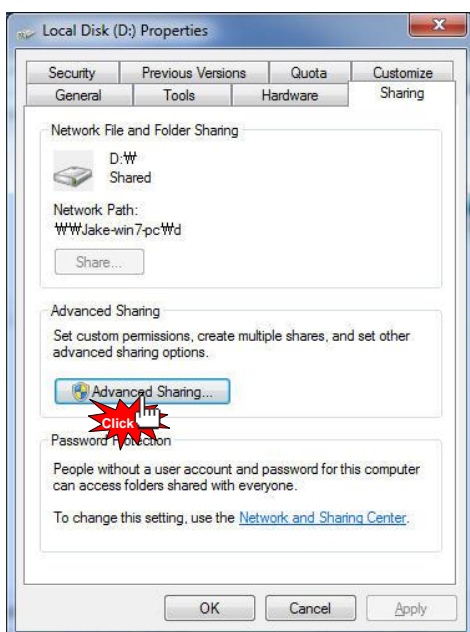
Advanced Users Guide

3. How to set-up Folder Sharing in Windows® 7 (continued)

English



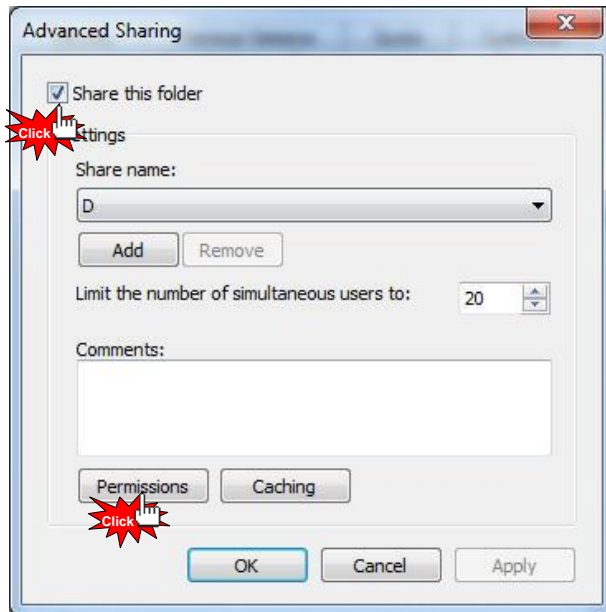
4. Select a folder you want to share, and click on the right mouse button, then click [Properties] on the pop-up menu.



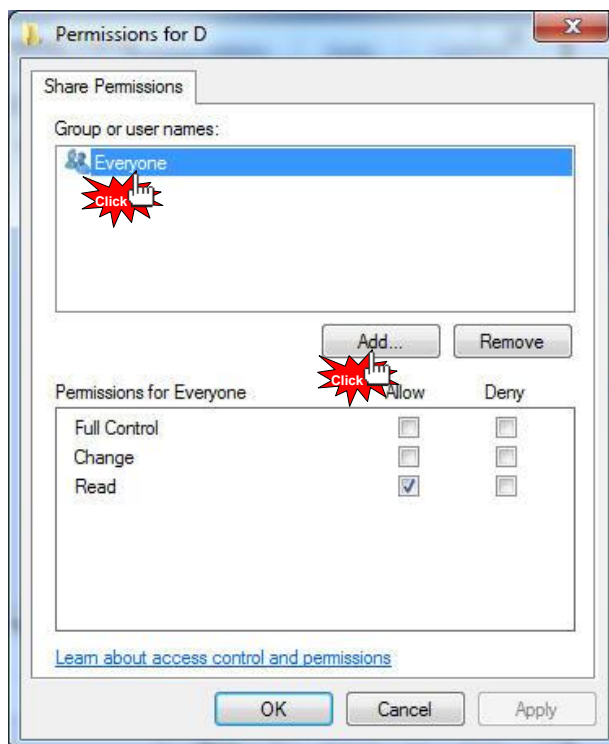
5. Click on the [Sharing] tab at the top of the window, and then click [Advanced Sharing...].

Advanced Users Guide

3. How to set-up Folder Sharing in Windows® 7 (continued)



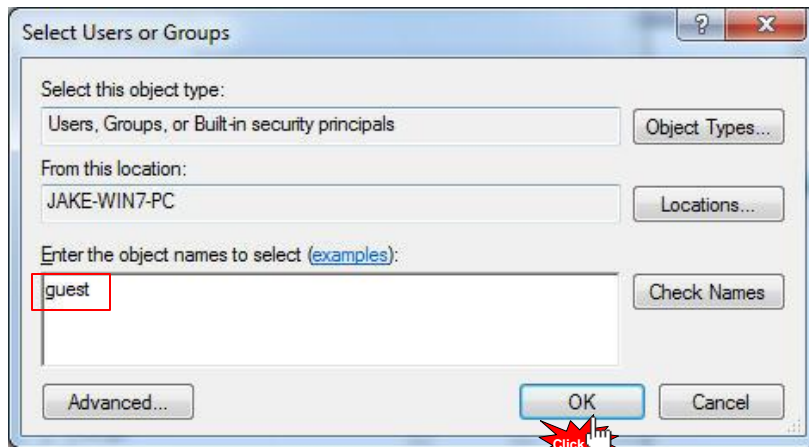
6. Check on [Share this folder], then click [Permissions].



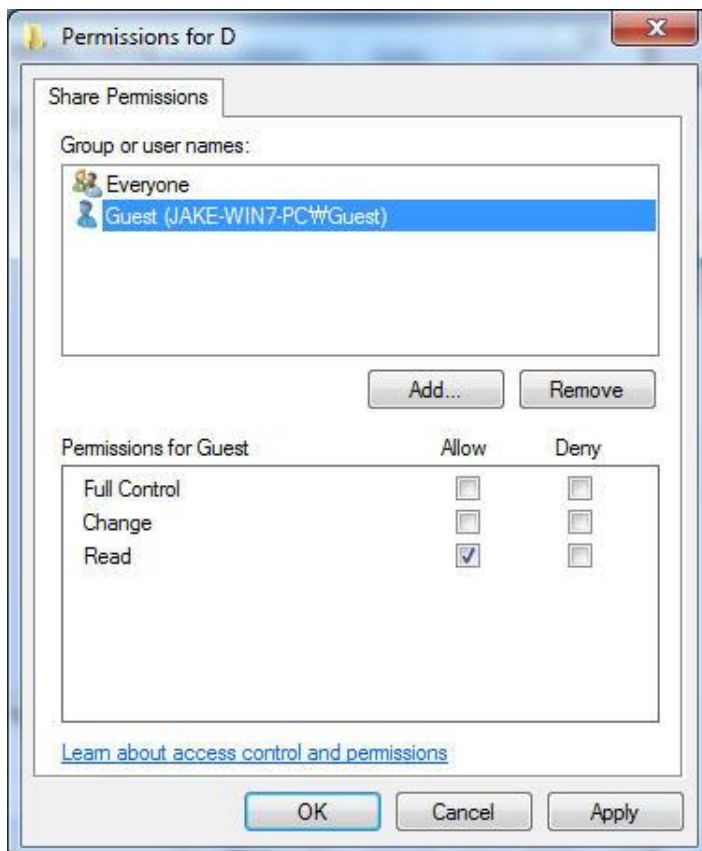
7. Click [Add] if there is no "Guest" account because both "Everyone" and "Guest" account are needed in order to enable network sharing.

Advanced Users Guide

3. How to set-up Folder Sharing in Windows® 7 (continued)



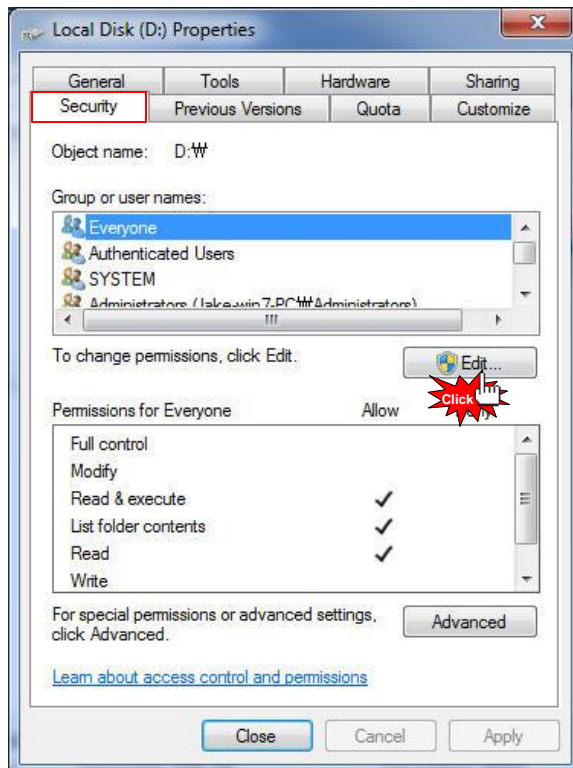
8. Click [OK] after entering [Guest] (refer to the above image).



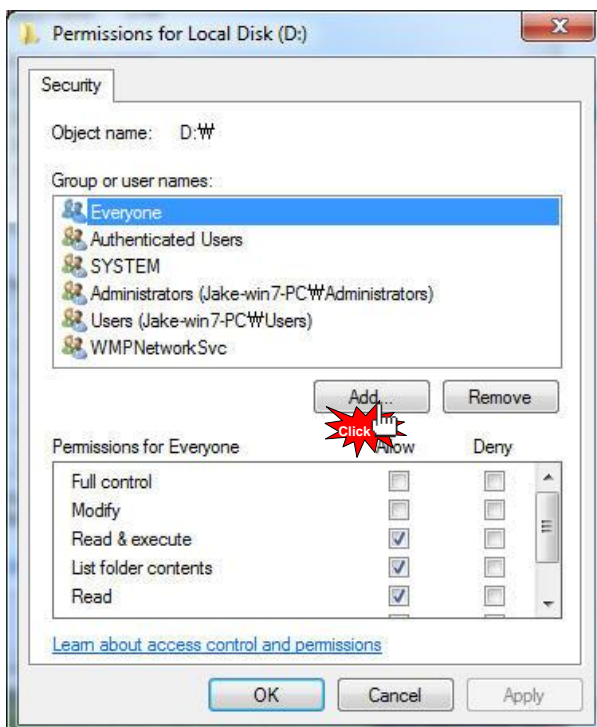
9. Click [OK] - [Apply] – [OK] in order to confirm if “Guest” account has been added or not. (Both “Guest” and “Everyone” account must be included).

Advanced Users Guide

3. How to set-up Folder Sharing in Windows® 7 (continued)



10. Add [Guest] account on [Security] tab menu, then click [Edit...] (refer to the above image).



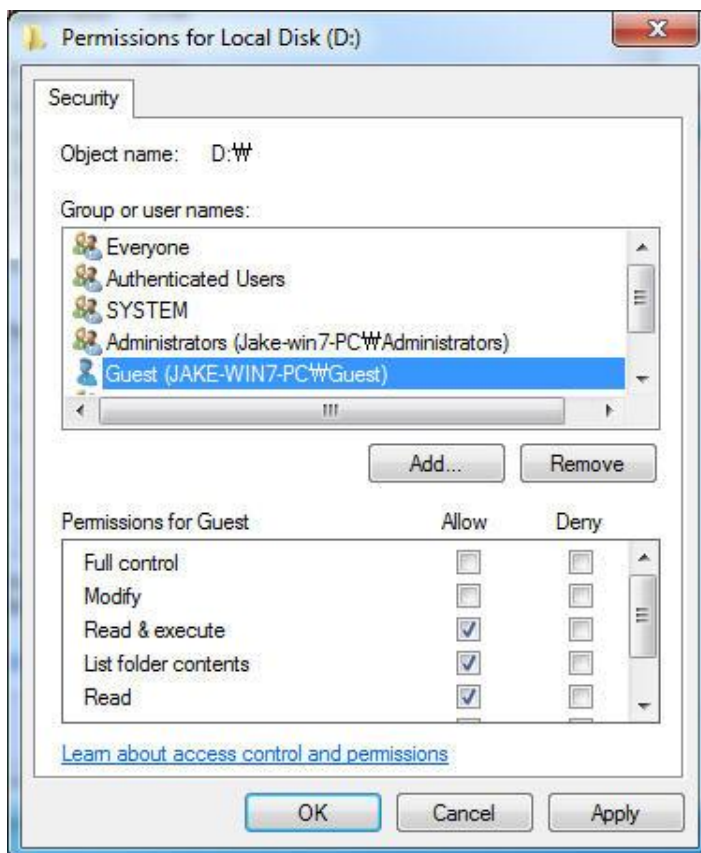
11. Click [Add...] (refer to the above image).

Advanced Users Guide

3. How to set-up Folder Sharing in Windows® 7 (continued)



12. Click [OK] after typing [Guest] account.

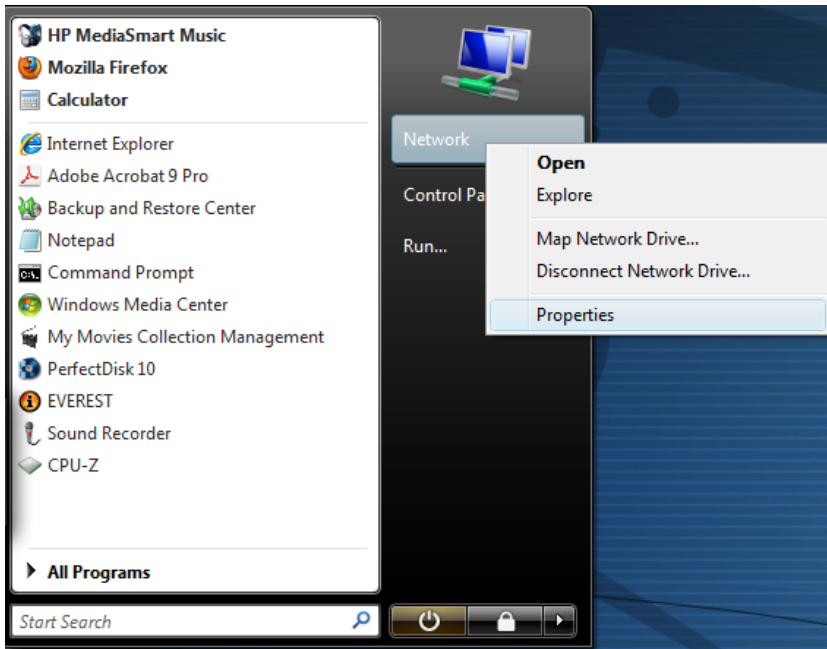


13. Complete setup by confirming the "Guest" account you added by selecting [OK] – [Apply] – [OK] (Both "Guest" and "Everyone" account must be present). If there is no "Everyone", you should add it.

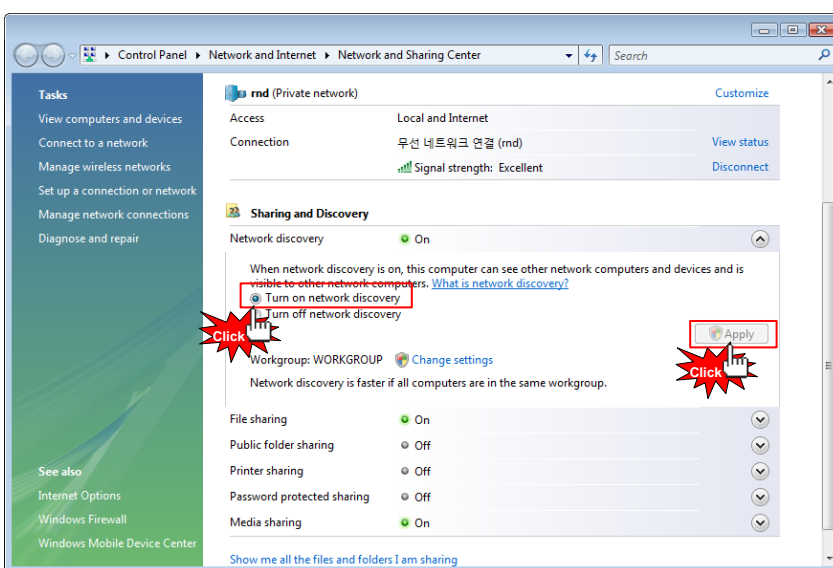
Advanced Users Guide

4. How to set-up Folder Sharing in Windows® Vista™

These instructions are for Windows® Vista™ Ultimate.



1. Click [Start] - [Network] – [Properties].

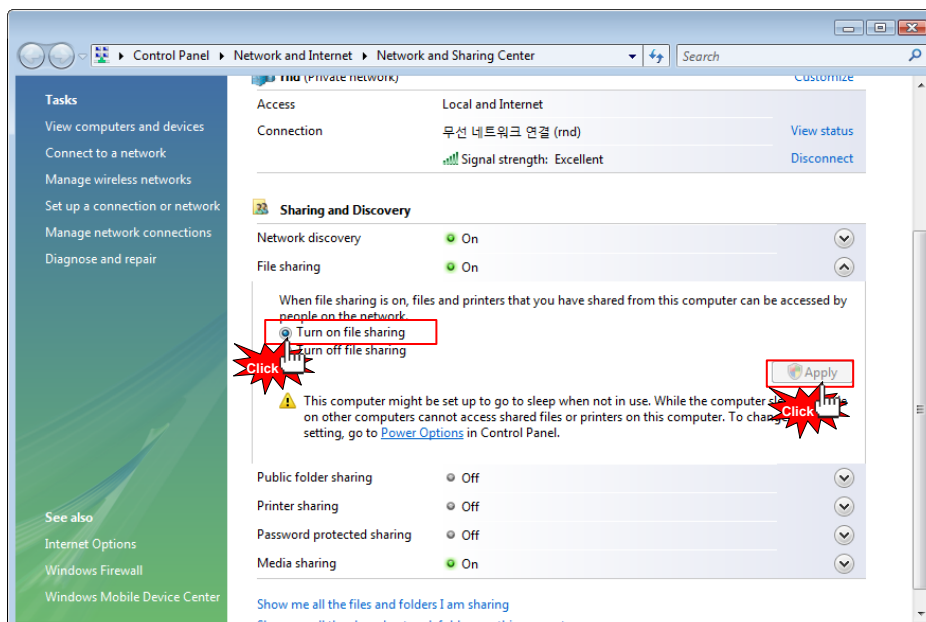


2. Click [Network discovery] - [Turn on network discovery] and then click [Apply].

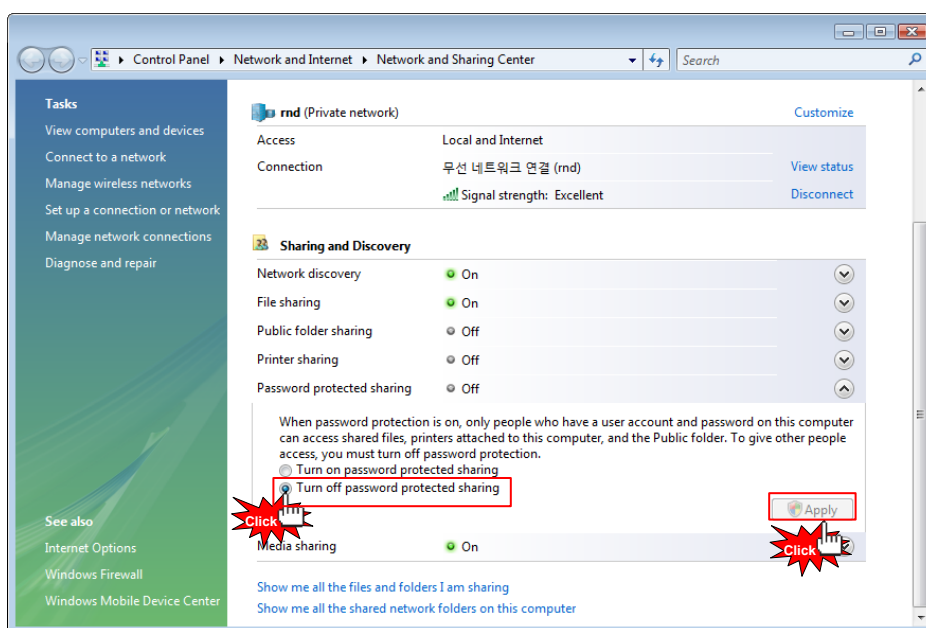
Advanced Users Guide

4. How to set-up Folder Sharing in Windows® Vista™ (continued)

English



3. Click [File sharing] – [Turn on file sharing], and then click [Apply].

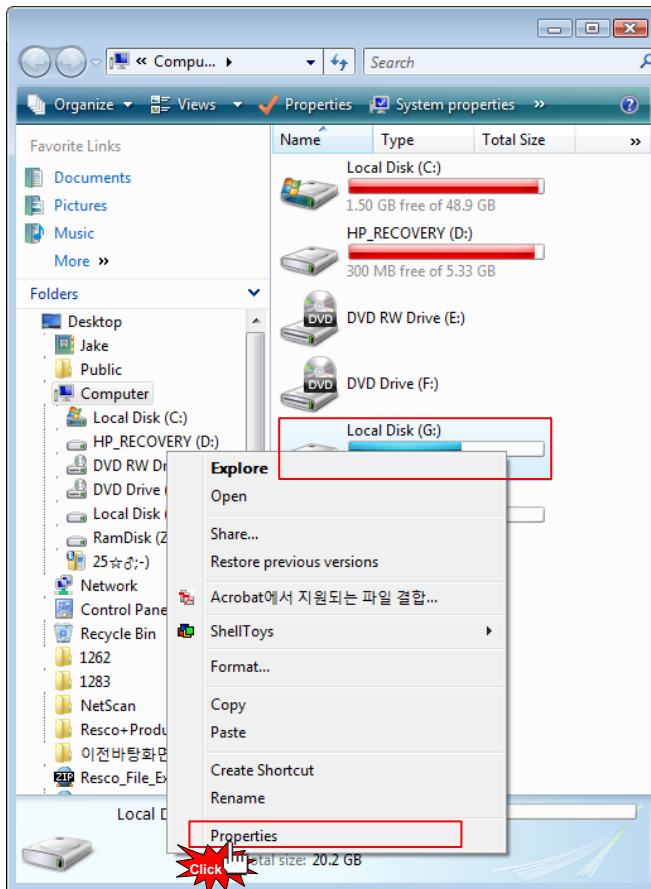


4. Important:

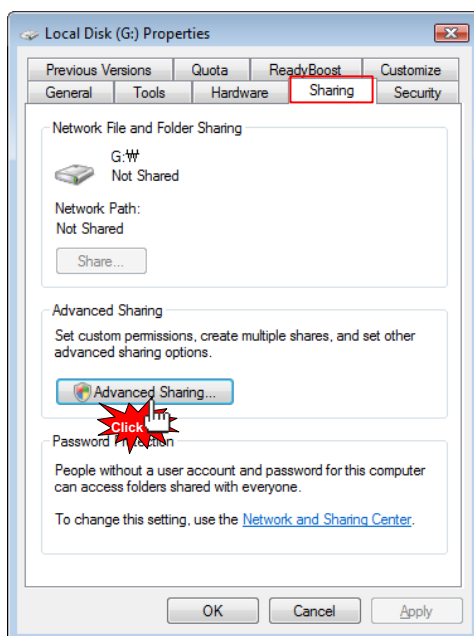
Click [Password protected sharing] – [Turn off password protected sharing] and then click [Apply]. Once completed, close the window.

Advanced Users Guide

4. How to set-up Folder Sharing in Windows® Vista™ (continued)



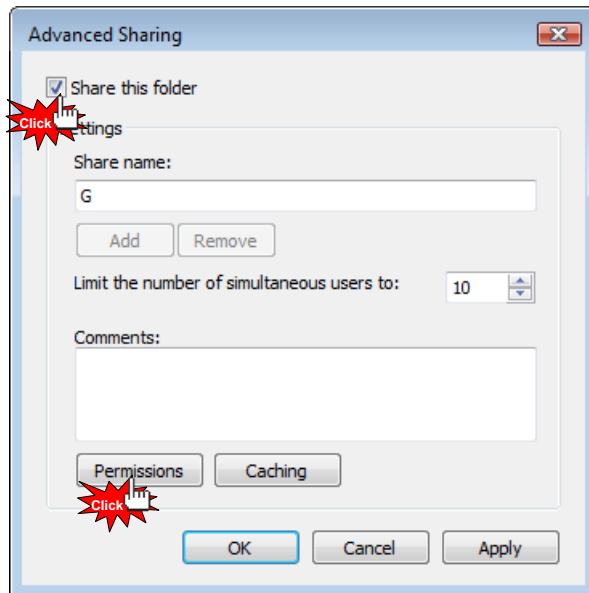
5. Move cursor to the folder you want to share, right click with your mouse and then go to the [Properties] on the pop-up menu.



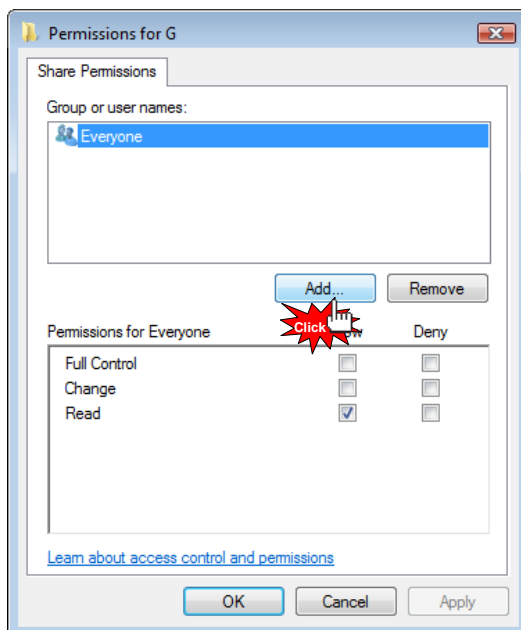
6. Click on the [Sharing] tab and click on [Advanced sharing...].

Advanced Users Guide

4. How to set-up Folder Sharing in Windows® Vista™ (continued)



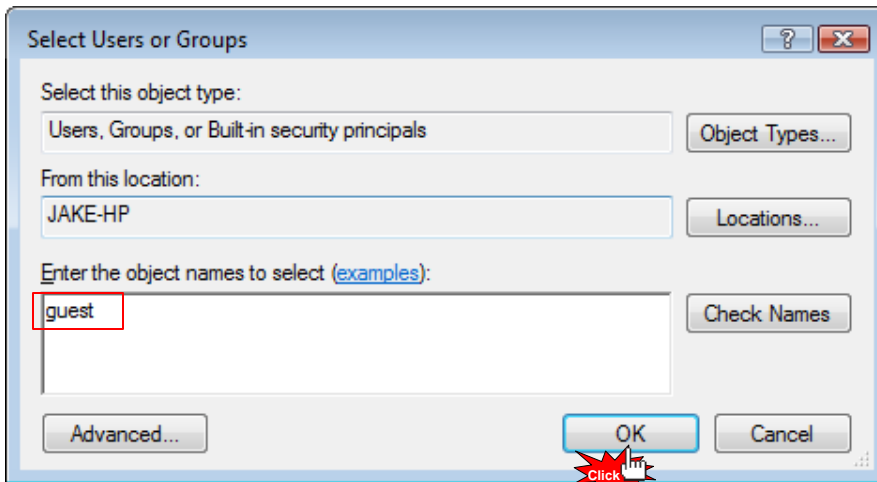
7. Check the box [Share this folder], then click [Permissions].



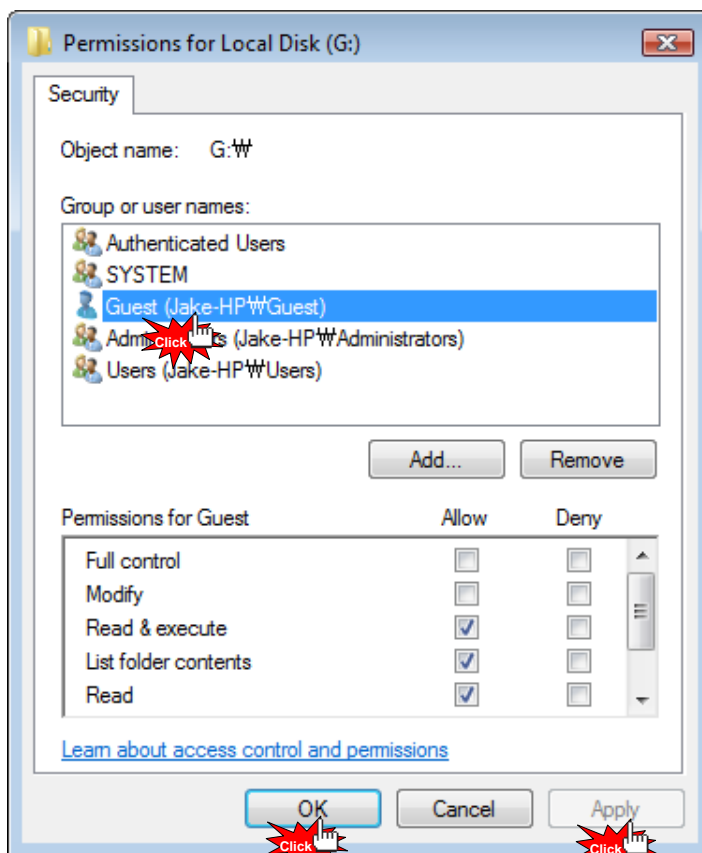
8. Click [Add...] button in order to add the "Guest" account.

Advanced Users Guide

4. How to set-up Folder Sharing in Windows® Vista™ (continued)



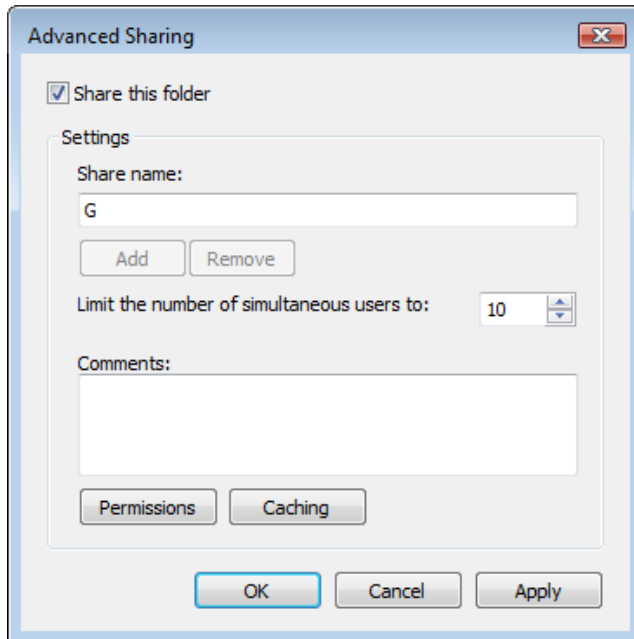
9. Type [Guest], and then click [OK].



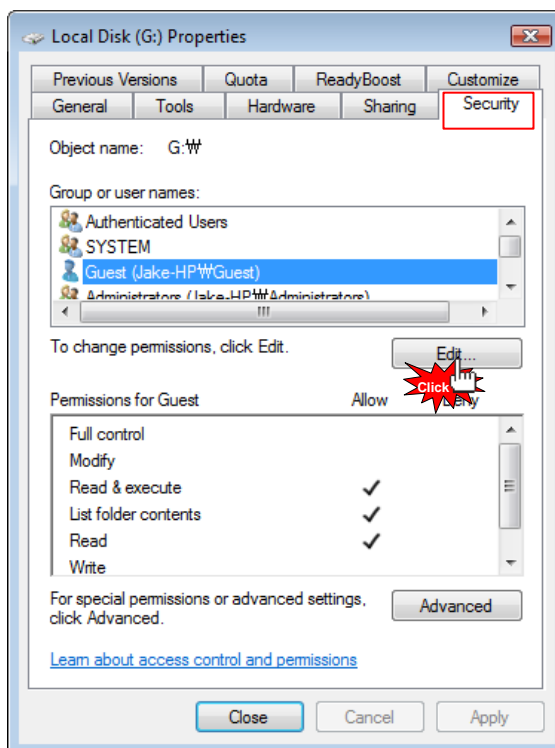
10. Once completed, check if there is a "Guest" account or not, then click on [OK] – [Apply] – [OK].

Advanced Users Guide

4. How to set-up Folder Sharing in Windows® Vista™ (continued)



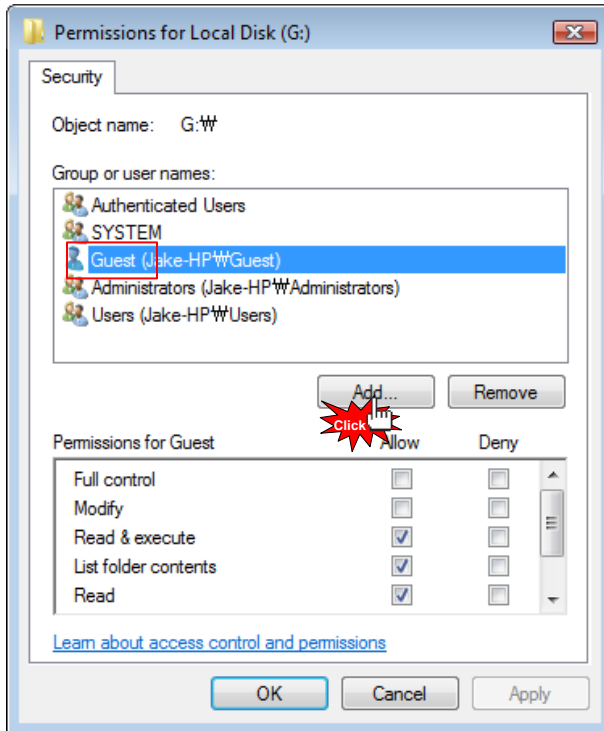
11. Click [Apply] – [OK] so you will complete adding “Guest” account on the sharing tab menu.



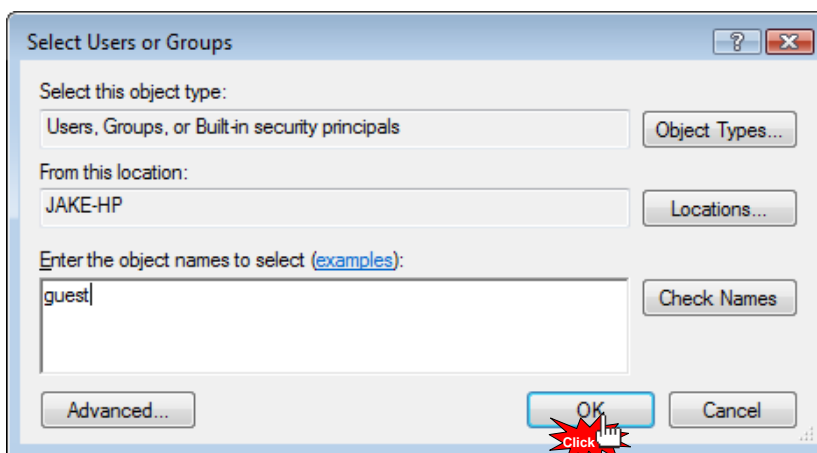
12. Confirm that there are both “Guest” and “Everyone” accounts on the [Security] tab menu. If there is no “Guest” account, click [Edit...] (Both accounts should be placed).

Advanced Users Guide

4. How to set-up Folder Sharing in Windows® Vista™ (continued)



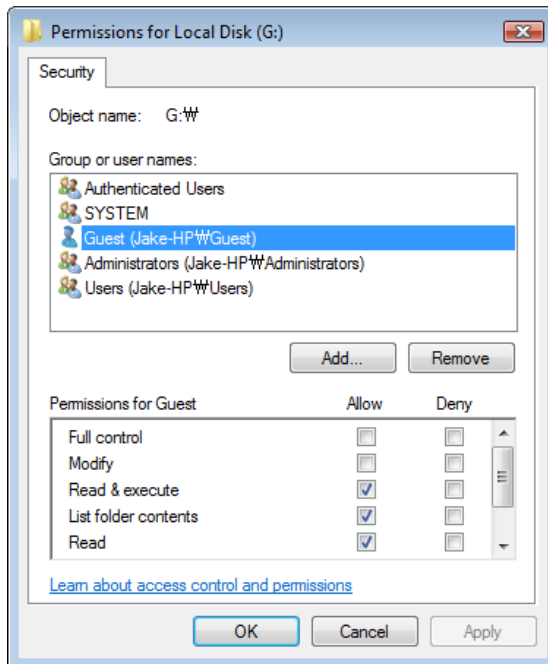
13. Click [Add] if there is no "Guest" account.



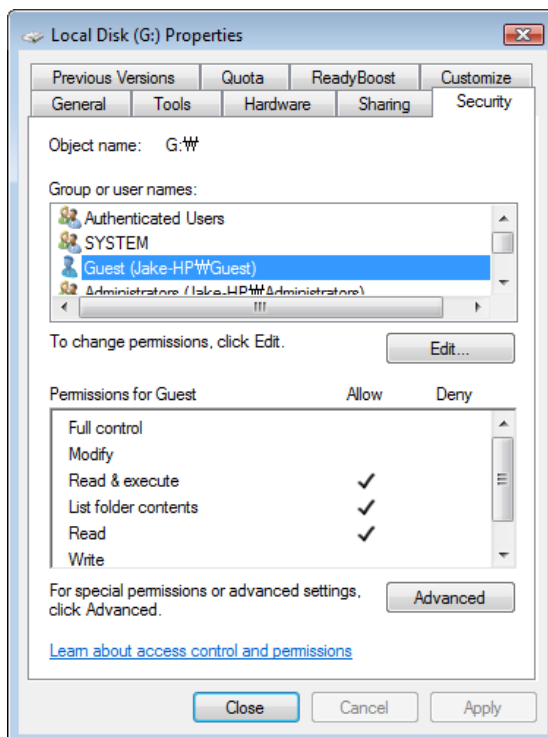
14. Type [Guest] (refer to the above image), then click [OK].

Advanced Users Guide

4. How to set-up Folder Sharing in Windows® Vista™ (continued)



15. Check if "Guest" account is correctly added or not, then click [Apply] – [OK].



16. Click [Close] to complete setting the permissions.

Advanced Users Guide

5. If folder accessing in Windows® XP isn't available.

The instructions are based on the assumption that there aren't any problems with the IP, Network Workgroup, Computer's name, etc. and you just need to check the security set up.



Note:

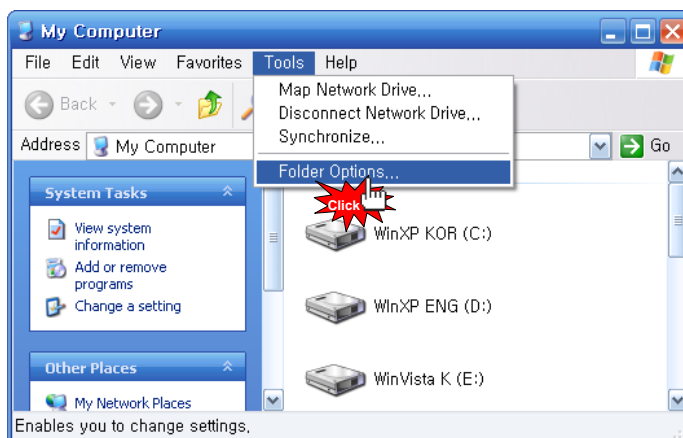
These instructions will change values of registry keys in your system, hence, you must be very careful not to change any other set values, as incorrect settings for other values will cause serious damage to your system.

1. Click [Start] – [Control Panel] – [Administrative Tools] [Local Security Policy] – [User Rights Assignment].
 - 1-1. Everyone, Users and Guest must be included in "Access this computer from network".
 - 1-2. Add Everyone, Users and Guest if any one of them is missing there.
 - 1-3. If there are Everyone, Users and Guest in "Deny Access to this computer form the network", delete all of these accounts there.
 - 1-4. Users and Guest must be included in "Log on locally".
 - 1-5. Users and Guest must not be included in "Deny log on locally".
 - 1-6. Everyone and Users must be included in "Bypass traverse checking".
2. Click [Start] – [Control Panel] – [Administrative Tools] – [Local Security Policy] – [Security Option].
 - 2-1. Network Security: [Send LM & NTCM responses] in "Authentication Level".
 - 2-2. Network Access : [Disabled] in "Don't allow anonymous enumeration of SAM accounts and shares".
3. Click [Start] – [Control Panel] – [Firewall].
 - 3-1. Check on [File and Printer Sharing] in "Exception" tab menu.
4. Click [Start] – [Control Panel] – [Administrative Tools] – [Services].
 - 4-1. Computer Browser: Check that "Started" is in [Status] and "Automatic" in [Startup type].
 - 4-2. Server: Check that "Started" is in [Status] and "Automatic" in [Startup type].
 - 4-3. Workstation: Check that "Started" is in [Status] and "Automatic" in [Startup type].
5. Click [Start] – [Run] and type [regedit] then click [OK].
 - 5-1 Check if the registry entry [HKEY_LOCAL_MACHINE] – [SYSTEM] – [Current Control Set] – [Control] – [Lsarestrictanonymous] is present.
If "Lsarestrictanonymous" is present, its Value must be [0]. If there is no item, this means the value is the same as "0".
6. Once completed, you should reboot your computer so that changed setting values can be applied.

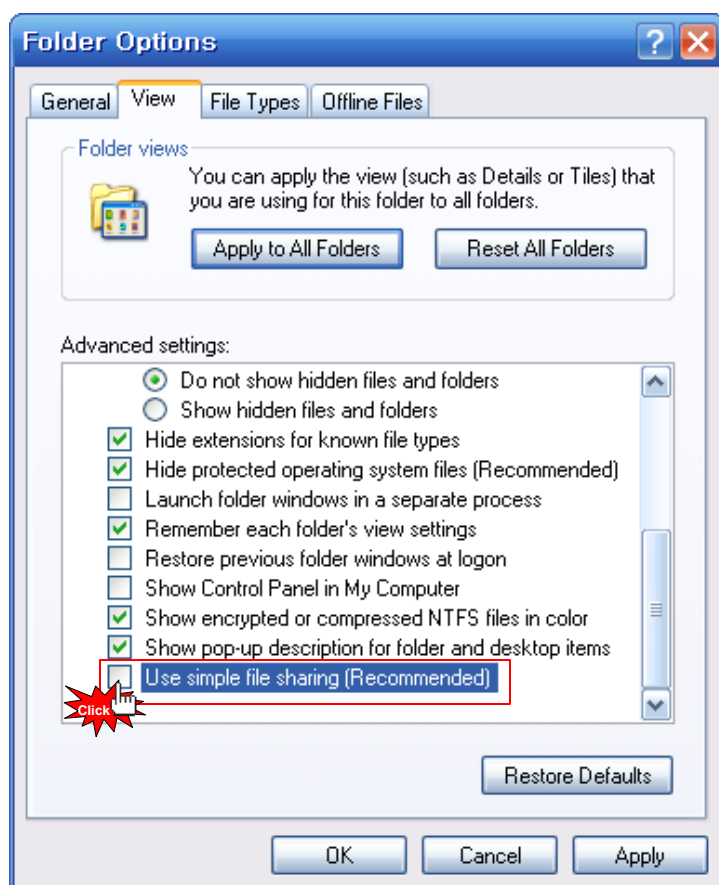
Advanced Users Guide

6. How to configure Folder Sharing Permission in Windows® XP

These instructions are for Windows® XP Professional users.



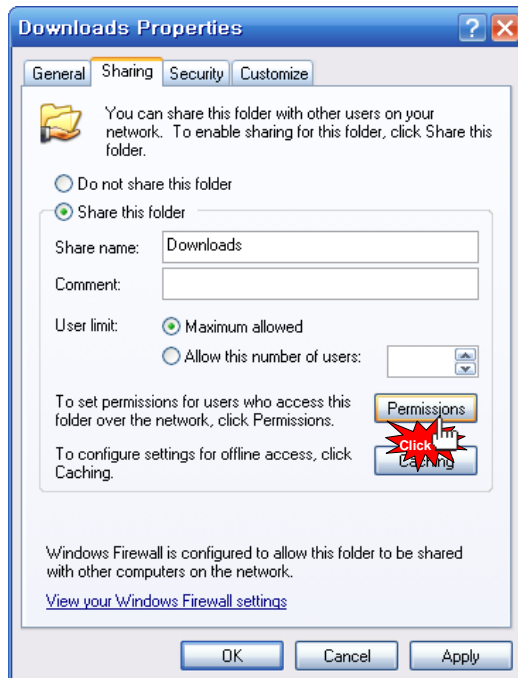
1. Click [My Computer] – [Tools] – [Folder Options...].



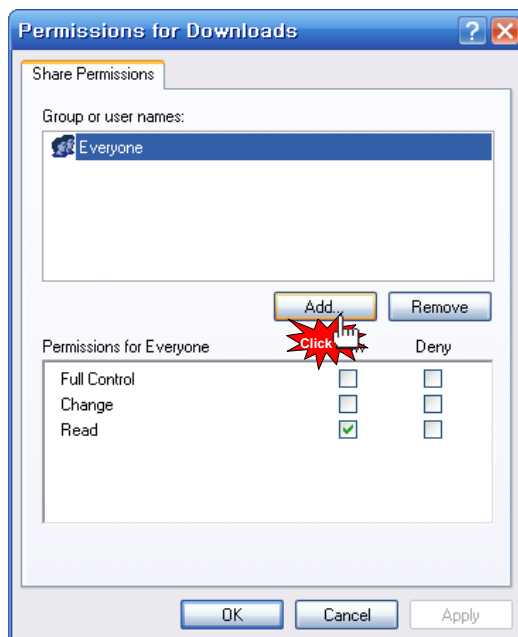
2. Click [Folder Options...] – [View] and make sure that [Use Simple File Sharing (Recommended)] is checked in the "Advanced settings". Then click on [OK].

Advanced Users Guide

6. How to configure Folder Sharing Permission in Windows® XP



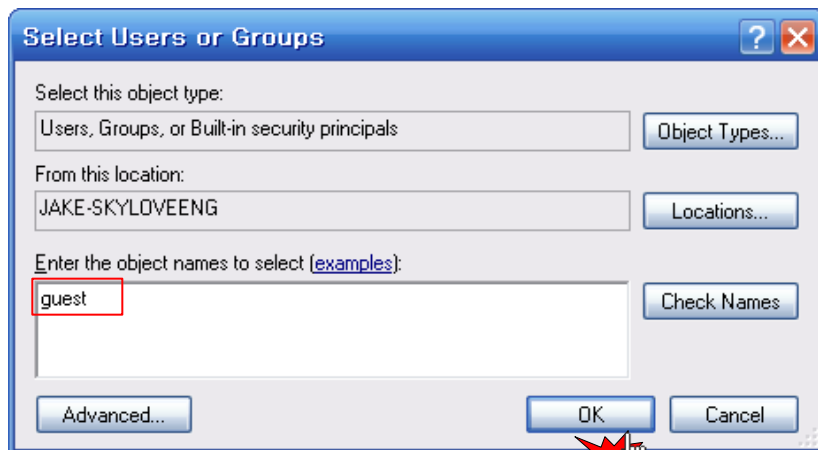
3. Select a folder you want to share in your Network, then right-click on it and select [Properties] – [Sharing].



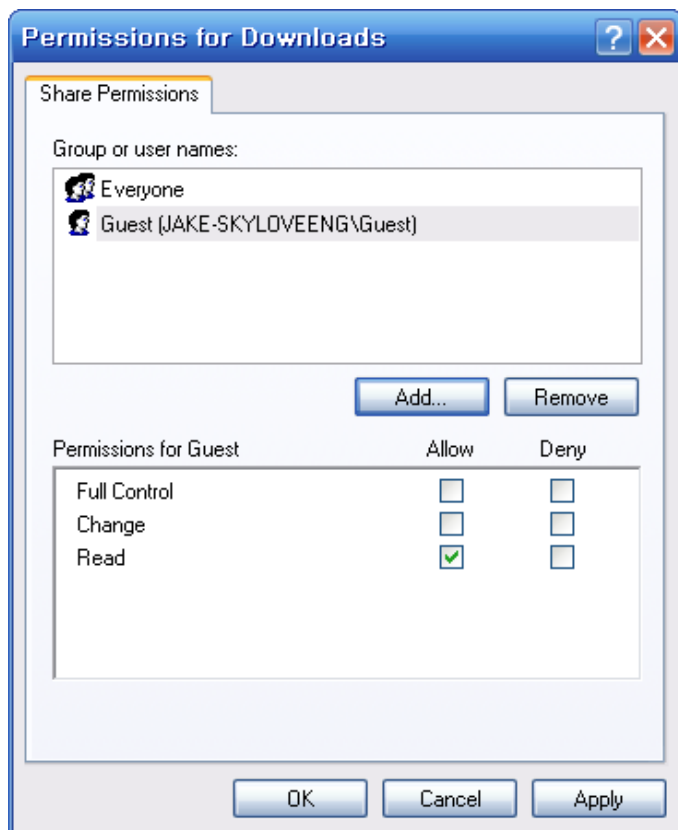
4. Click [Share this folder] – [Permission].
If there is no “Guest” account, click [Add...] button.

Advanced Users Guide

6. How to configure Folder Sharing Permission in Windows® XP



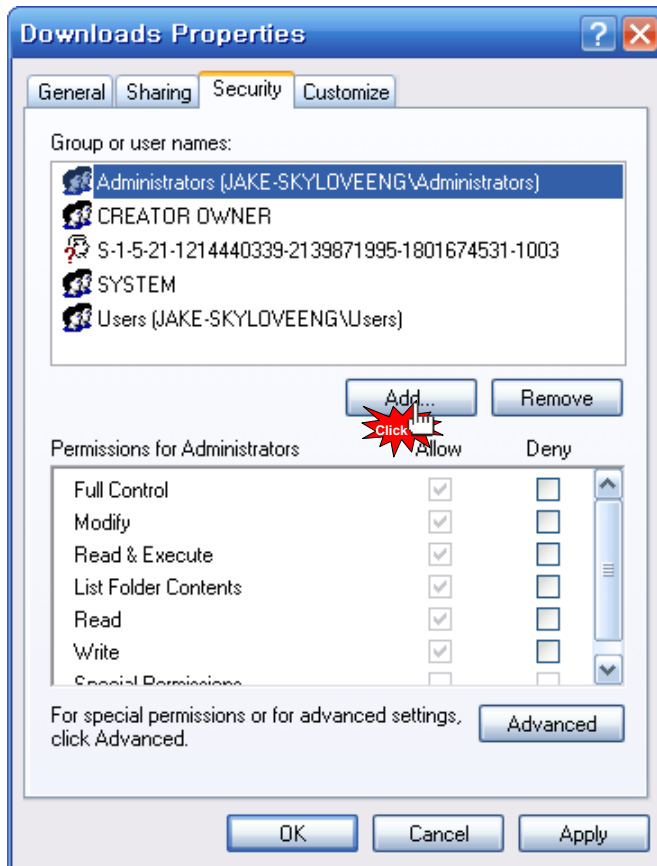
5. Type [Guest] and then click [OK].



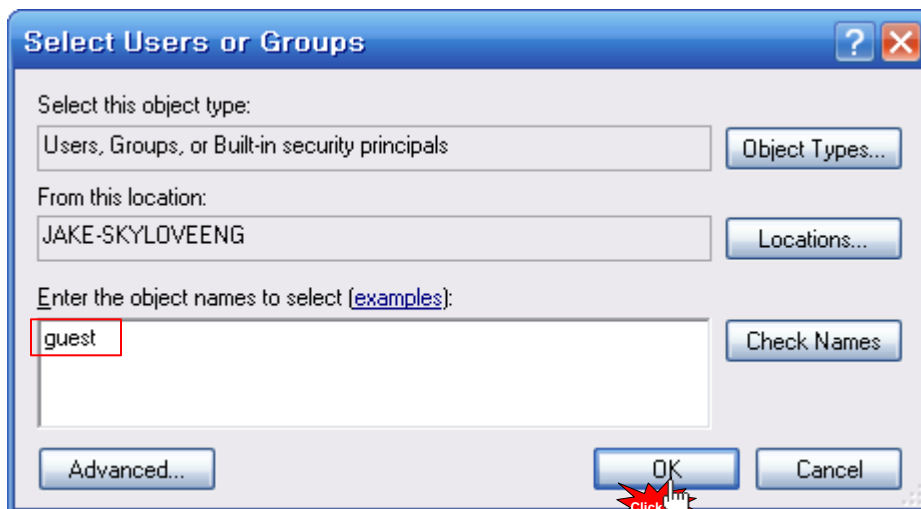
6. Check that the "Guest" account has been added and complete the settings by clicking [OK] – [Apply] – [OK].

Advanced Users Guide

6. How to configure Folder Sharing Permission in Windows® XP



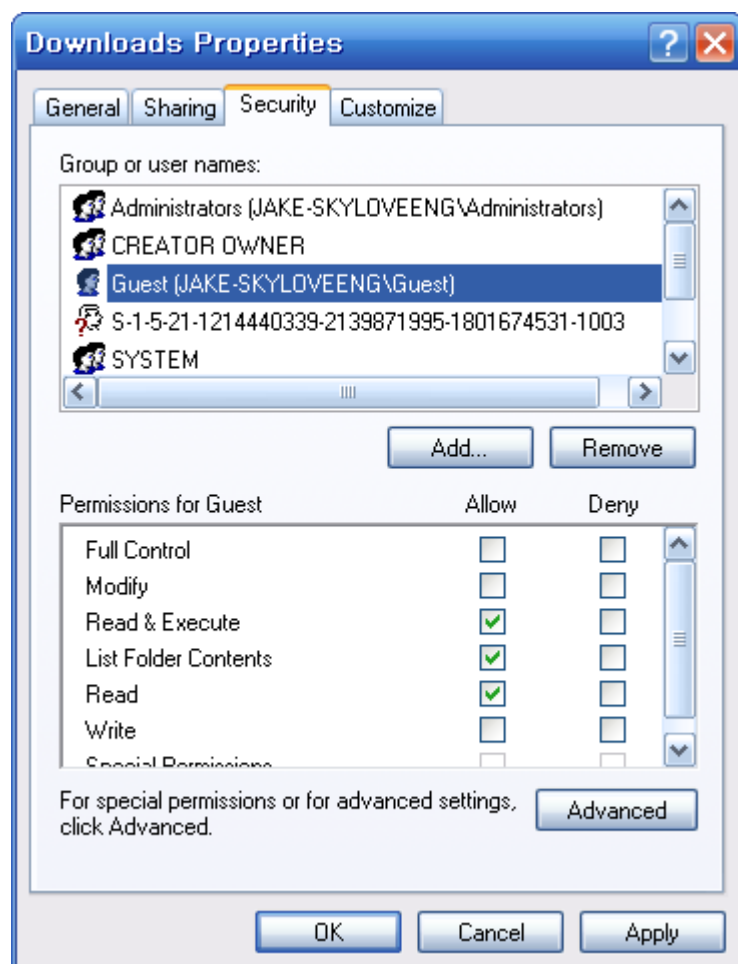
7. Click [Share permissions] – [Add].



8. Type [Guest] and then click [OK].

Advanced Users Guide

6. How to configure Folder Sharing Permission in Windows® XP



9. Check that the "Guest" account has been added in [Security] tab. The settings are completed by clicking on [Apply] – [OK].



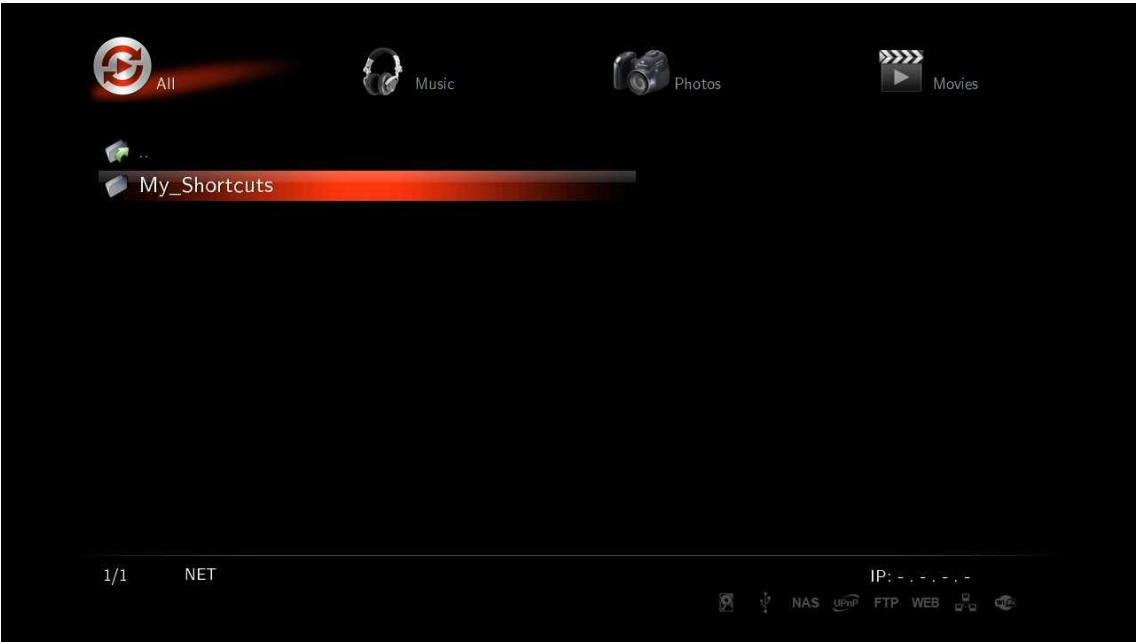
Tip

You can use this method in order to allow (or block) the access by someone.

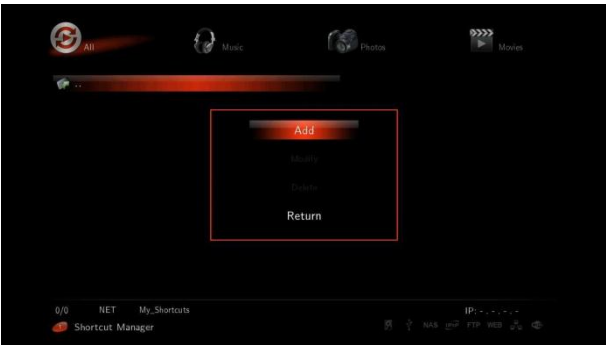
Advanced Users Guide

7. How to create a Network PC Shortcut

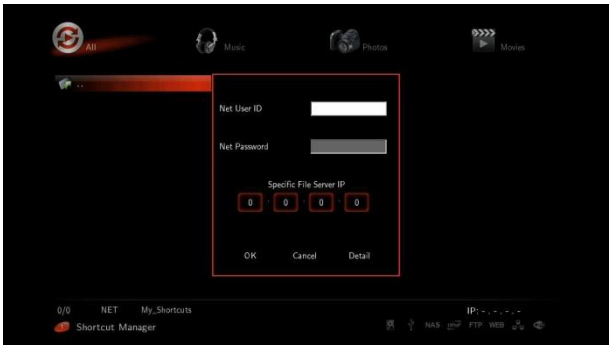
These instructions are useful if you want to create a shortcut or if you can't search for a computer through the network.



1. Access the menu on the TrekStor TV by selecting [Media Library] – [NET] – [My_Shorcuts].



Press [FUNC] button on your remote in “My_Shortcuts” screen, then press the [Add] button on the window that appears.



Enter the ID (user name) and the password for the computer you want to access in the pop-up window for Network Users. If you don't use a password for logging onto the PC, enter [guest] in the ID Section and leave the password section blank. Once entered, save the ID and the password by pressing [OK].

Advanced Users Guide

8. What can I do when the network function isn't working

There can be several reasons for this. First of all, check if the TrekStor TV works with a wired network connection. Make sure all cables are inserted properly. Also check the configuration of your router and your computer to make sure that the connection from the TrekStor TV isn't blocked by a firewall (Hint: you can check the log file of your firewall to see if connections from the IP of your TrekStor TV have been blocked).

If you want to access the TrekStor TV from your computer, make sure you have activated the necessary options in the Application Settings menu!

In most cases, the TrekStor TV uses the "Guest" account for its network connection when accessing files stored on a computer. If the "Guest" account is disabled in Windows® operating systems, you will not be able to connect to a shared folder.

How to activate a "Guest" account for Windows®

For Windows® XP,

- (1) Select [Start] – [Control Panel] - [User accounts]
- (2) Change from [Guest accounts is off] to [Guest accounts is on]

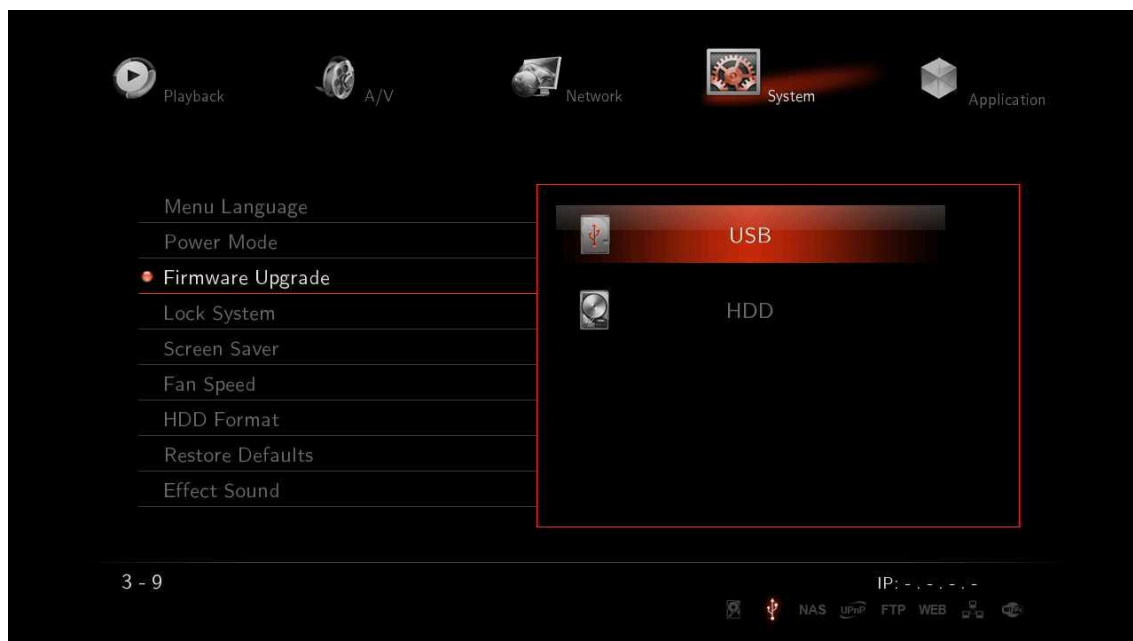
For Windows® Vista™,

- (1) Select [Start] – [Control Panel] – [User accounts] – [Manage another account]
- (2) Click [Guest]
- (3) Change from [Guest accounts is off] to [Turn on]

Reboot PC and TrekStor TV, then you should be able to connect via the network.

Advanced Users Guide

10. Firmware upgrade



English

The firmware is the program (software) responsible for the control of your TrekStor TV. A firmware update serves to transfer a new version of this program to the internal memory of your TrekStor TV.

※ To update the firmware, you will need a USB data storage device or an internal HDD.

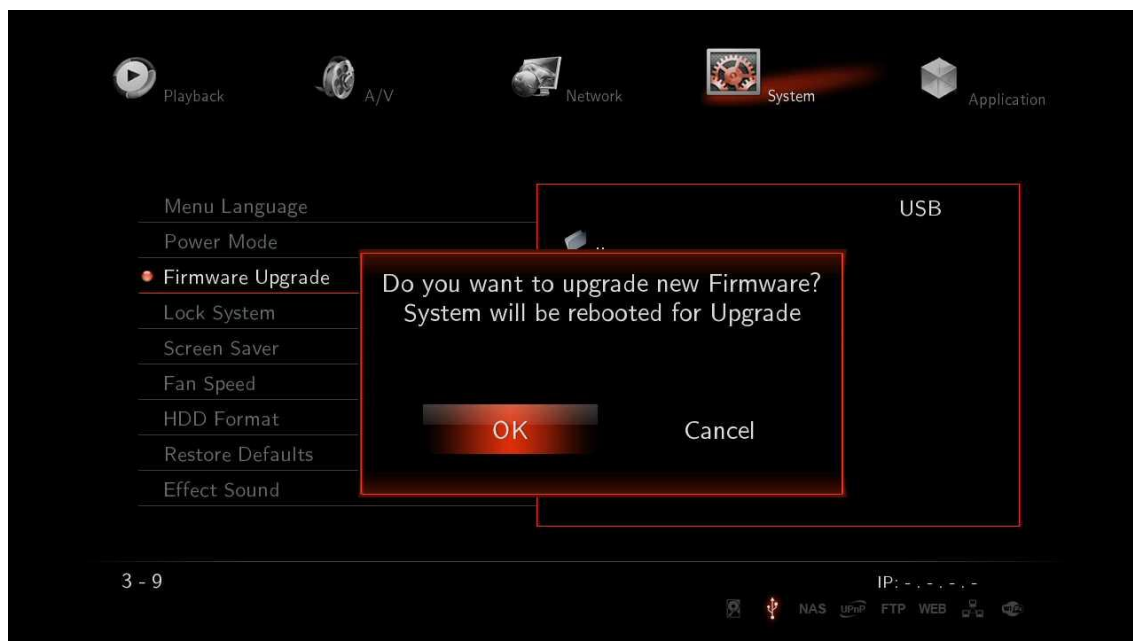
※ If you want to download the latest firmware version for your TrekStor TV, go to the TrekStor website (www.trekstor.de/en) or the Xtreamer website (www.xtreamer.net) to get it.



1. Download new firmware to your HDD or USB data storage device.
Select [Setting] – [System] – [Firmware Upgrade], look for the saved firmware file and select it.

Advanced Users Guide

9. Firmware upgrade (continued)



2. After message window appears, the TrekStor TV will be rebooted, and then the Firmware update will start.



3. You will be able to see the progress of firmware upgrade; it normally takes approximately 5 minutes to be completed. Do not switch off your TrekStor TV during the firmware update as this may damage the device!

- Depending on firmware, screen settings may changed to the factory default values.
- If you can't see the screen, please connect to your TV via the composite connection.



Note: Please make sure to use a USB-Stick no bigger than 2GB. Format the stick to FAT32. After the process is finished, you must perform a [RESTORE DEFAULT] via the [SETTINGS] menu. This will remove all your saved presets, but is necessary for the proper function of the device.

Troubleshooting

Emergency firmware update procedure:

In the unlikely case that your TrekStor TV crashes and stops responding to your remote's commands and you need to remove the power cord to restart, it is possible that it has problems with restarting or will not start at all. In some cases it is necessary to install the emergency firmware to solve these issues.

The installation procedure is as follows: -

- (1) Download and Un-zip/Extract the Emergency "install.img" file
- (2) Copy the "install.img" file to the root of the USB 2.0 USB-Stick or to the HDD inside the TrekStor TV (i.e. not inside a folder).
- (3) Disconnect the power supply of the TrekStor TV. Wait at least a minute. Connect your TrekStor TV to your Television via the composite connection and select the correct input on your TV.
- (4) Reconnect the power supply.
- (5) Using the Remote control, press "Home" and release, press "3" and release, press "Power" and release.
- (6) After the process is finished, you must perform a [RESTORE DEFAULT] via the [SETTINGS] menu - This will remove all your saved presets, but is necessary for proper operation.

The emergency upgrade process should be visible on your screen if performed correctly.

Where to get assistance:

I need some information that I can't find in this guide / I need some help with the TrekStor TV

Media player development is a very dynamic field and every firmware update brings new features and improvements. If you cannot find a desired information in this guide please visit the Xtremer [Knowledge base](#).

The Xtremer official forum (<http://forum.xtremer.net/>) is a large and vibrant community where people from all over the world come together to discuss various Xtremer products. It's full of friendly and helpful people and is a great place for any user of a TrekStor TV. Please register and join the community.

I have some questions about the TrekStor TV and can't find the answer in the Knowledge base or the Xtremer Forum. What can I do?

If you have any questions that are not answered in the Knowledge base or the Forum, please contact our support staff via the online form you find under "Service" + "Support" on our [website](#). You can of course also contact us directly by telephone (see the back of these instructions). The more detailed your support request is, the quicker and better we will be able to help you!

Troubleshooting

FAQs – Frequently asked questions:

My TrekStor TV doesn't start – There is no red LED on the player.

Please check that the power cord is plugged in.

Orange LED is blinking – The TrekStor TV is stuck on the splash screen

Unplug the player for a few minutes and then try again.

It might be necessary to perform the emergency firmware installation as described above.

I can't see anything on the TV screen

Check all the connections and cycle through the various TV-OUT options on your remote. You should also check if your TV has different input options and choose the correct one.

Can't upgrade the firmware – after a reboot my TrekStor TV is stuck on the splash screen

Connect your player to a TV via RCA cables (composite connection) and try the procedure again.

How do I reset the TrekStor TV to factory defaults?

If you have any problems with the device, please make sure that you try to reset your player to factory defaults via [SETTING] – [SYSTEM] menu. That will help you to avoid many possible issues.

My TrekStor TV loses wireless connection or the playback over wireless is less than perfect.

You need the USB Wireless Adapter N for wireless network connections with the TrekStor TV. To improve your wireless connectivity and performance you can:

- * Use router channels 1 or 11.
- * Setup 20 MHz channel width.
- * Switch router wireless band to 2.4 GHz

Using a short USB extension cable is a great way to improve the signal strength. Move the USB Wireless Adapter N and/or your router around and check for improved connections. Sometimes a little movement can greatly improve the wireless performance.

My TrekStor TV cannot play a video file

Not all video files are encoded to work with the TrekStor TV, i.e. in some cases a codec is used that is incompatible with the TrekStor TV. Please check our Website for the supported codecs.

Problems can also be caused by a faulty encoding of the media or can happen due to a corrupted download. Being able to play a file on your PC does not necessarily mean that the TrekStor TV will be able to play back the same file flawlessly.

In case of a problem, please check if the used audio and video codecs should be supported by comparing the codecs to the list of supported codecs that you can find on our website.

Troubleshooting

I need some information that I can't find in this guide / I need some help with the TrekStor TV

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Instructions for safety and use:



With the exception of the installation of a hard drive into the housing, technical work on the product may only be performed by qualified persons. Other components cannot be serviced by the user.



Never expose the device to moisture, condensation and liquids.



Protect the device from extremely high and low temperatures and temperature fluctuations. Use the device within an ambient temperature of 10°C to 40°C.



Never place the device close to a source of heat, and protect it from direct sunlight.



Make sure that the surroundings are as dust-free as possible when you use and store the device.



Never clean the surface of the device with solvents, paint thinners, cleansers or other chemical products. Instead, use a soft, dry cloth or soft brush.



Do not use USB cables longer than 3 meters.



Should the device be exposed to an electrostatic discharge, this can, under certain circumstances, impair the operating behavior. An electrostatic discharge may interrupt the data transfer between the device and the computer/network or other connected devices or it may impair the functions of the device. If this occurs, the device should be unplugged from the mains and reconnected after approx. 10 seconds. It may also be necessary to disconnect all connected devices and to connect them again.



Batteries/rechargeable batteries contain chemical substances and must be disposed of properly. Batteries/rechargeable batteries should not be thrown away in household garbage. They can be brought to the public collection points of your community or wherever batteries/rechargeable batteries are sold.

The manufacturer retains the right to continually improve the product. These changes may be made without being directly described in these operating instructions. For this reason, the information provided in these operating instructions may not reflect the current state of the art.

The manufacturer only guarantees suitability for the product's intended purpose. In addition, the manufacturer is not responsible for damages or loss of data and subsequent consequences.

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EC DECLARATION OF CONFORMITY

As manufacturer and importer respectively:

TrekStor GmbH
Kastanienallee 8 - 10
D-64653 Lorsch, Germany

herewith declares that the products

Product: TrekStor TV

Type: Multimedia Streaming Client

comply with the following directive(s):

- **2004/108/EC** EMC Directive: Electromagnetic Compatibility
- **2006/95/EC** Low Voltage Directive

The following norms were consulted to assess conformity:

- **EN 55013:2001 + A1:2003 + A2:2006**
Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of measurement (IEC/CISPR 13:2001, modified + A1:2003 + A2:2006)
- **EN 55020:2007**
Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement (IEC/CISPR 20:2006)
- **EN 55022:2006**
EMC: Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement (IEC/CISPR 22:2005, modified)
- **EN 55024:1998 + A1:2001 + A2:2003**
EMC: Information technology equipment – Immunity characteristics – Limits and methods of measurement (IEC/CISPR 24:1997, modified + A1:2001 + A2:2002)
- **EN 60065:2002 + A1:2006 + Corrigendum:2006**
Audio, video and similar electronic apparatus – Safety requirements (IEC 60065:2001, modified + A1:2005, modified)
- **EN 60950-1:2006**
Information technology equipment – Safety – Part 1: General requirements
- **EN 61000-3-2:2006**
EMC: Part 3-2: Limits – Limits for harmonic current emissions (equipment input current 16 A per phase) (IEC 61000-3-2:2005)
- **EN 61000-3-3:1995 + A1:2001 + A2:2005**
EMC: Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current 16 A per phase and not subjected to conditional connection (IEC 61000-3-3:1994 + A1:2001 + A2:2005)
- **EN 61000-4-2:1995 + A1:1998 + A2:2001**
Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test (ESD)

The CE symbol confirms that this product conforms with the above mentioned norms and regulations.

The manufacturer also declares the conformity of the product according to the following directives:

- **2001/95/EC** General Product Safety
- **2002/95/EC** RoHS: Hazardous substances in electrical and electronic equipment
- **2005/32/EC** Ecodesign requirements for energy-using products

Lorsch, 31.03.2010


Aaron Taylor, CTO

Support

	Hotline	Language
AT	+49 431 - 24 89 45 70**	German
BE	+49 431 - 24 89 45 80**	English
CH	+49 431 - 24 89 45 73**	German
DE	01805 - TREKSTOR* 01805 - 87 35 78 67*	German
ES	+49 431 - 24 89 45 76**	English
FR	+49 431 - 24 89 45 74**	English
HU	+49 431 - 24 89 45 79**	English
IT	+49 431 - 24 89 45 75**	English
LU	+49 431 - 24 89 45 72**	German, English
NL	+49 431 - 24 89 45 81**	English
PL	+49 431 - 24 89 45 77**	English
PT	+49 431 - 24 89 45 78**	English
UK	+49 431 - 24 89 45 71**	English
GR	+49 431 - 24 89 45 82**	English
TR	+49 431 - 24 89 45 83**	English
RU	+49 431 - 24 89 45 84**	English
SE	+49 431 - 24 89 45 92**	English
UA	+49 431 - 24 89 45 93**	English
SI	+49 431 - 24 89 45 94**	English
CA	+49 431 - 24 89 45 95**	English
Other Countries	+49 431 - 24 89 45 99**	English

If you want to contact our support via e-mail, you can do so via the online support form that you can find under "Service" -> "Support" on our website **<http://www.trekstor.de/en>**. The more detailed your support request is, the quicker and better we will be able to help you!

* 14 Cent/Min. aus dem deutschen Festnetz der DTAG, max. 42 Cent/Min. aus Mobilfunknetzen.

** Please check with your local telephone provider for connection costs.

TrekStor GmbH
Kastanienallee 8-10
D-64653 Lorsch
Germany

www.trekstor.de



BA-TREKSTOR-TV-EN-V1.10-100722