

NETGEAR®

NTV550 Ultimate HD Media Player

User Manual



350 East Plumeria Drive
San Jose, CA 95134
USA

February 2011
202-10589-02
v1.0

© 2011 NETGEAR, Inc. All rights reserved.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means without the written permission of NETGEAR, Inc.

Technical Support

Thank you for choosing NETGEAR. To register your product, get the latest product updates, or get support online, visit us at <http://support.netgear.com>.

Phone (US & Canada only): 1-888-NETGEAR

Phone (Other Countries): See http://support.netgear.com/app/answers/detail/a_id/984.

Trademarks

NETGEAR, the NETGEAR logo, ReadyNAS, ProSafe, Smart Wizard, Auto Uplink, X-RAID2, and NeoTV are trademarks or registered trademarks of NETGEAR, Inc. Microsoft, Windows, Windows NT, and Vista are registered trademarks of Microsoft Corporation. Other brand and product names are registered trademarks or trademarks of their respective holders.

DTS

Manufactured under license under US Patent numbers: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 and other US and world patents issued and pending. DTS and the Symbol are registered trademarks, and DTS 2.0 + Digital OUT and the DTS logos are trademarks of DTS, Inc. Product includes software. Copyright DTS, Inc. All Rights Reserved.

Dolby Digital

Dolby and the double-D symbol are trademarks of Dolby Laboratories. Manufactured under license from Dolby Laboratories.

Copy Protection Technology

This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

Statement of Conditions

To improve internal design, operational function, and/or reliability, NETGEAR reserves the right to make changes to the products described in this document without notice. NETGEAR does not assume any liability that may occur due to the use, or application of, the product(s) or circuit layout(s) described herein.

Contents

Chapter 1 Getting Started

Front and Rear View	7
Cabling the Ultimate HD Media Player	8
Tips	8
Attaching the Stand	9
Remote Control	10
Navigating with the Remote Control	12
Popup Menus	12
Using the Onscreen Keyboard	13
Remote Control Buttons and Shortcuts in the Menus	13

Chapter 2 Browsing and Organizing Media

Media on Your Portable Media Player (USB Device)	14
Protected Media Files	15
Browsing with Live Folder or the Media Library	15
Browsing the Media Library	15
Live Folder Browsing	16
Tips for Browsing and Searching	16
Browse Folders	17
Cover Art	18
Finding Media on Your Network	18
Parental Controls	19

Chapter 3 Playing Media

Watching Videos	20
Popup Menus during Video Playback	21
Video Media Bar	21
Video Aspect Ratio	22
TV Mode and Display Settings	22
Subtitles	23
Audio Track	23
Time Seek	24
Resuming Video Playback	24
Listening to Music	24
Music Media Bar and Playlists	25
Gapless Playback	26
Viewing Photos	27
Adjusting the Photo Display	28
Photo and Slideshow Media Bar	28

Photo Aspect Ratio	28
Slideshow Options Menu	28
Playing Internet Media	29
Viewing YouTube Content	29
RadioTime	30
RadioIO/Shoutcast	31
Internet News Channels	32
Internet Weather	33
Using More than One Ultimate HD Media Player	33

Chapter 4 Settings

Settings Menu	34
Setup Wizard	35
Audio/Video	36
Media Locations	38
Media Sources	39
Parental Controls	39
User Interface	41
Network	42
System Menu	43
Updating the Firmware	44
Manage Files	44
Advanced Settings	45
System Information	46

Chapter 5 Using Your PC with the NTV550

Controlling the Ultimate HD Media Player from a Windows PC	47
Installing the <i>Resource CD</i> Software on a Windows PC	48
Using the Configuration Wizard to Share Media	49
Using the NeoTV Software on Your PC	51
Remote Control Your Ultimate HD Media Player	52
Enabling Win7 File Sharing	52
File Sharing with Win7 Password Protection	52
File Sharing without Win7 Password Protection	54

Chapter 6 Troubleshooting

Troubleshooting Tips	57
Changing TV Mode, No Picture on the TV	58
Power Off and Standby Mode	58
Firewall Port Settings	58
Accessing Your Digital Media	59
Windows System Passwords	59
Macintosh OSX	59
Linux	59
Media Does Not Play (Windows XP)	60
Video Display is Jittery	60

- Unable to Play Media 60
- Error Messages 61
- Network Connections 62
 - Ethernet Cabling 62
 - Troubleshooting a Wireless Network Connection.....62
 - IP Address 63
 - Connecting to a Server.....63
 - Using Ping 63
- Recovering the NTV550 If It Does Not Start. 64

Appendix A Supplementary Information

- Supported Digital Media File Formats 65
- Restoring Factory Default Settings.....66
- Technical Specifications.....66

Appendix B Notification of Compliance

Index

Getting Started

1

Bring all your digital media to your TV. Play movies, music, and photo collections from PCs, Macs, and storage devices on your home network. The NTV550 Ultimate HD Media Player also provides easy access to files stored on your USB drives and SD cards.

- Play your digital movies in full high-definition 1080p and stunning Dolby Digital, or DTS surround sound.
- The NTV550 Ultimate HD Media Player automatically scans your networked and local devices, and organizes your movies, music, and photos.
- Or you can use live browsing for easy and fast access to your media collection.
- The NTV550 Ultimate HD Media Player is compatible with a wide range of media file formats.
- The remote control has shortcuts for quick selection and ease of use. For instance, you can directly access your networked and local devices, use on-the-fly language selection, and display and customize subtitles.

For more information on the topics covered in this manual, visit the Support website at <http://support.netgear.com>.

Front and Rear View

The Ultimate HD Media Player works with most televisions and a wide variety of audio equipment. Not all compatible cables are included in the package. The following figure shows front and rear views of the Ultimate HD Media Player:

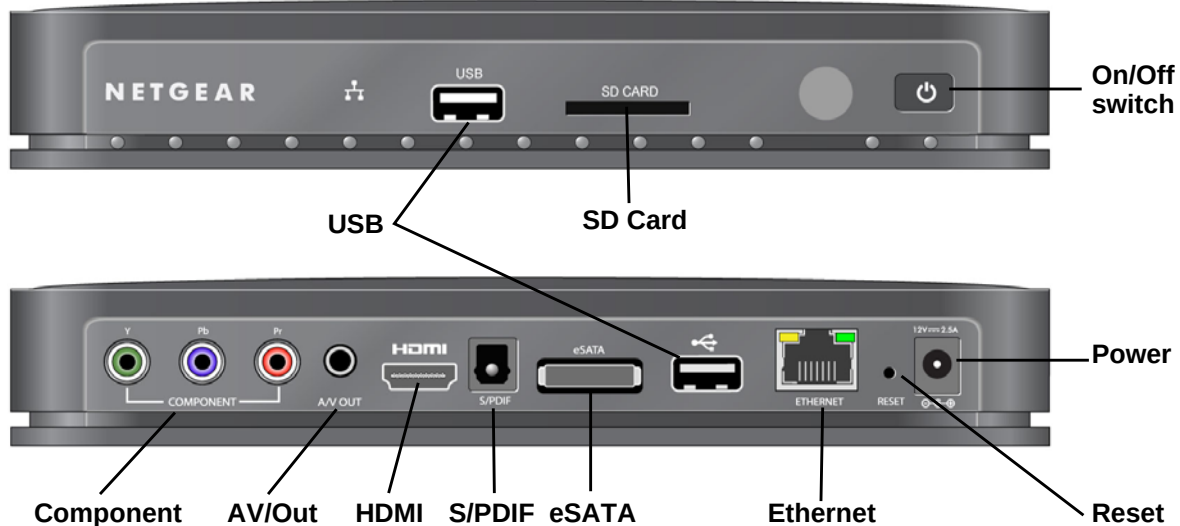


Figure 1. Front View and Rear View

The following list describes the items shown in the previous figure.

- **USB (2).** Access your media from USB mass storage devices such as hard drives, media players (including Windows- or Mac-formatted Apple iPods), and flash memory devices.
- **SD Card slot.** Insert your SD card to access media stored on it.
- **On/Off button.** Turn the Ultimate HD Media Player on and off.
- **Component video.** (Cable not included.) These ports support a component video connection to a television.
- **A/V Out.** A/V cable, also called composite cable, is included. This is compatible with most televisions in the United States.
- **HDMI.** (Cable not included.) If your television has a High-Definition Multimedia Interface (HDMI) connector, you can use an HDMI cable for both the audio and video signal.
- **S/PDIF optical.** (Cable not included.)
- **eSATA.** Connect an external SATA device.
- **Ethernet.** Use this port to cable the Ultimate HD Media Player to your home router to access the Internet and media stored on computers on your network. An Ethernet cable is included.
- **Reset.** Reset the Ultimate HD Media Player to its factory settings. To reset, press and hold the button down while the unit is powering up.
- **Power.** Use only the power cord in the package.

Cabling the Ultimate HD Media Player

The installation guide that came in the package explains how to install your product. Cabling for a typical installation with an Ethernet network connection is shown in the following figure.

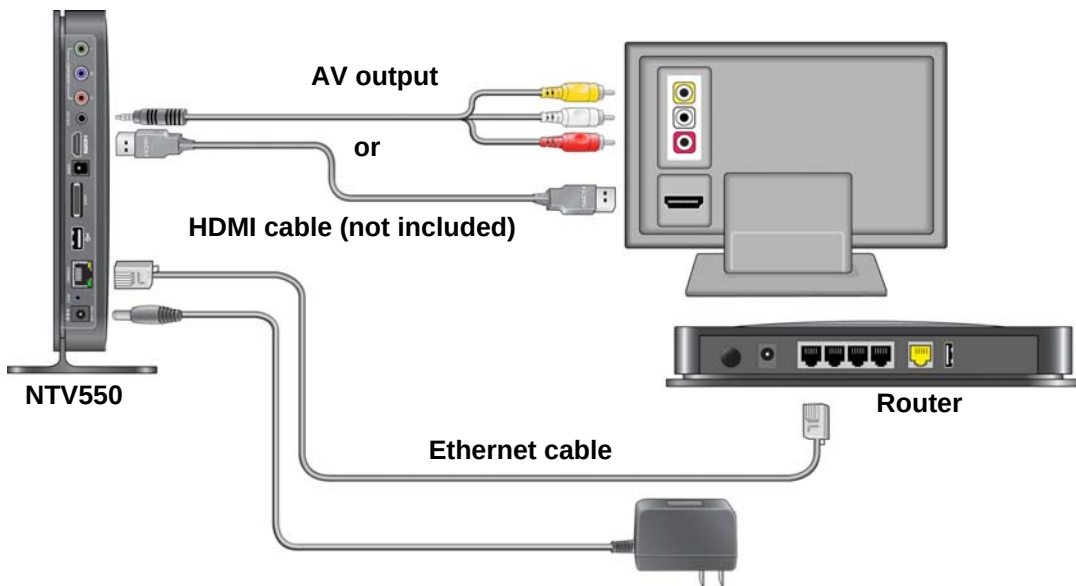


Figure 2. Ethernet connection

To connect wirelessly to your home router, you need the NETGEAR Universal Wi-Fi Internet adapter WNCE2001 (sold separately). If you want to use a Powerline connection, you can use the NETGEAR Home Theater Internet Connection Kit XAVB1004 (sold separately).

Tips

- The quality of the picture display is related to the video format you use. If your television supports multiple formats, choose the format that provides the best picture quality. HDMI offers the best picture quality video. Component video provides the next best quality, followed by composite video.
- Optimize the television display as necessary.
 - If the display is not sharp, or you do not see a picture, aim the NETGEAR remote control at the Ultimate HD Media Player, and press the **TV Mode** button. Then cycle through the TV modes to get the best display.
 - It can take 5 to 10 seconds for each TV mode change. In some modes you might not see a picture on the TV. If you do not see a picture after four mode changes, check the cable connections, and verify that the TV is on and set to the correct input.
 - You might be able to enhance the picture quality by selecting from additional high-definition video modes in the advanced settings.
 - Use the **TV Mode** button to cycle between PAL (50 Hz, European) and NTSC (60 Hz, United States) display modes.

Attaching the Stand

If you want to place the HD media player in a vertical position, use the stand included in the package.

1. Orient your HD media player vertically.
2. Insert the tabs of the stand into the slots on the bottom of your HD media player as shown.



3. Place your HD media player in a suitable area for installation (near an AC power outlet and accessible to the Ethernet cables for your wired computers).
4. To remove the stand, grasp it firmly and disconnect it from the HD media player.

Remote Control

Use the remote control to operate your NTV550 Ultimate HD Media Player.



Figure 3. Remote control

Table 1. Remote Control Buttons

Button	Description	Button	Description
	Power. Turn the device on and off.		Popup menu. Display popup menus for media. Show or hide the menu bar. Toggle between list browsing and cover browsing.
	Eject. Stops media playback and ejects the media if played from an external attached drive.		Volume. Increase or decrease volume.
	TV Mode. From the main menu, go to the TV mode screen. While playing a video, use the TV Mode popup to temporarily change the mode.		Information. Display media information.
	Video. Display the Video menu.		Mute. Mute the sound.
	Music. Display the Music menu.		Page up and down. This button can also scroll and zoom videos and photos.
	Photo. Display the Photo menu.		Reverse. Rewind to the start of the media that is playing. If playing music, enter fast seek mode.
	Web. Display the Internet media menu.		Play/Pause. Play or pause media, or resume normal play from fast forward. In a menu, play the selected item and queue the rest of the items in the order shown on the screen.
0–9 Caps Clear	Use 0–9 for alpha-numeric entry, searching, or to skip in a video (0% to 90%). Caps toggles Caps Lock or numbers on or off. Press Clear to clear text from a text entry field.		Fast-forward. Fast-forward the media that is playing. When playing music, enter fast seek mode.
	Audio. When playing music, show/hide the music media bar. When playing videos, display the Audio options to select the audio track.		Previous. Go back to the previous item playing. Within a menu, go to the first item in the list.
	Subtitle. When playing a video, display Subtitle options. When browsing media, toggle the sort order.		Stop. Stop the media that is currently playing.
	Angle. Change the camera angle (if the media supports this feature).		Next. Skip to the next item on the playlist. Within a menu, go to the last item in the list.
	Aspect. Change the aspect ratio on the TV.		Repeat. Repeat a track or media selection.
	Home. Display the main menu.		Rotate. Rotate a photo.
	Menu. Toggle full screen during video or photo playback. During video playback, show options.		Time Seek. When playing a video, skip ahead by a set amount of time or to a chapter.
	• OK. Select a menu item, song, or video. • Arrows. Navigate, or enter fast seek mode when watching a video.		Source. Controls secondary audio/video (PIP commentary).
	Go back to the previous screen.		

Navigating with the Remote Control

To go to the main menu, press  **Home** on the remote control. The following screen displays:



The main menu offers these selections:

- **Video.** Watch videos.
- **Music.** Listen to music.
- **Photos.** View photos.
- **Browse folders.** Look through your folders to locate the media that you want to view or listen to.
- **Internet media.** Watch YouTube, listen to Internet Radio, view Flickr photos, watch RSS videos, and access local weather and news.
- **Streaming TV and Movies.** This feature is coming soon.
- **Settings.** View or work with system functions.

These menu selections are described in the following chapters of this book.

Popup Menus

Popup displays are available only during media play.

- When playing videos you can use these features:
 - **Video Media bar.** View elapsed time or a playlist.
 - **Time Seek.** Go to a specific time or scene within a video.
 - **Audio.** Select an audio track.
 - **Aspect.** Change the aspect ratio only while watching the current video.

- **TV Mode.** Temporarily change the display mode while a video is playing. Use the Appearance tab to change display appearance such as brightness.
- **Subtitle.** Select subtitle tracks and adjust the color, size, positioning, and timing of subtitles.
- When listening to music you can display the Music media bar. You can use the media bar to scroll down through queued-up tracks. You can jump to another track.
- When viewing photos, you can use the Photo media bar and Slideshow options to adjust the display.

Using the Onscreen Keyboard

The onscreen keyboard is displayed when there is a field where you can type in information. You can change the keyboard language by using the  button to cycle through the available languages.

The onscreen keyboard includes all alphabetic and most punctuation and other symbols that are found on a regular keyboard. While the onscreen keyboard is visible you can use the following buttons on the remote control:

- **Caps.** Toggle between upper-case letters, lower-case letters, and symbols.
-  **Menu.** close the onscreen keyboard.
- **0–9.** Enter letters and numbers. Press 2 to cycle between A, B, C, 2, and so on.
-  **Back.** Erase the last character entered.
- **Clear.** Erase all characters entered.
-  **Next.** Move the selector three keys to the right.
-  **Previous.** Move the selector three keys to the left.
-  **Fast Forward.** Move the selector to the rightmost key.
-  **Rewind.** Move the selector to the leftmost key.

Remote Control Buttons and Shortcuts in the Menus

-  **Next.** Within a menu list, go to the end of the list.
-  **Previous.** Within a menu list, go to the beginning of the list.
- **Page Up** and **Page Down.** Page up or down within a list of items.
-  **Source.** Navigate to Main Menu > Browse folders.
- **0 - 9.** Narrow selections in media browsing. For instance, press 2 to cycle through A, B, C, and 2 to narrow the selection. Repeat to further narrow the selection.
-  **Information.** Access Now Playing (from the main menu only). From Now Playing, press the left or right arrow key to view now playing information from other NTV550 or Digital Entertainer devices on the network. Press **Popup Menu** to access more options, including Follow Me, allowing media playback to be moved or copied to another NeoTV device.
-  **Aspect.** Start the screen saver manually.

Browsing and Organizing Media

2

The Ultimate HD Media Player can access media from CIFS (Windows file shares), Samba, NFS, and DLNA/UPNP. NFS (available on most NAS type devices) typically offers the best performance, followed by CIFS/SMB. Note that to access DVD media, or to play media with associated external subtitles, use NFS/CIFS/Samba, not DLNA/UPNP.

For information about supported media file formats, see [Supported Digital Media File Formats](#) on page 65.



CAUTION:

Displaying static images can cause burn-in on certain displays. Do not display static images (such as menus, photos, or paused videos) onscreen for long periods of time.

Media on Your Portable Media Player (USB Device)

You can connect up to two USB flash drives or a media player such as an iPod to a USB port on the front or rear panel of the Ultimate HD Media Player. The Ultimate HD Media Player plays files stored in Windows (FAT, FAT32, NTFS), Macintosh, or Linux disk formats. It does not matter if you set up the media player on a PC or a Mac.

Note: Be sure to use USB 2.0 devices with your Ultimate HD Media Player. The limited bandwidth of the older USB1.0 devices might interfere with the performance of your playback.

To play media:

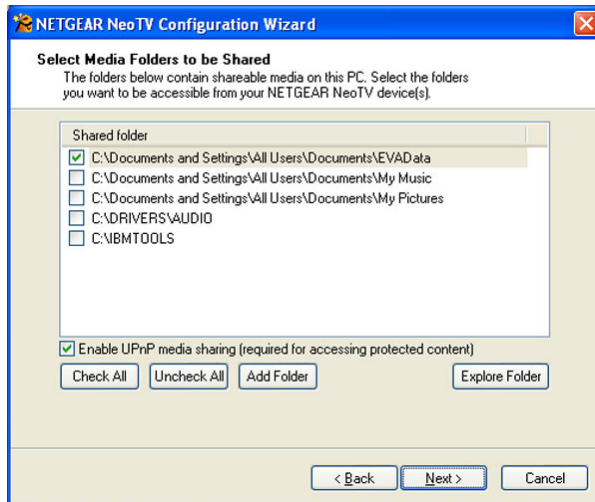
1. Connect your USB product to the USB port on the front or rear of the Ultimate HD Media Player.

The Ultimate HD Media Player scans the media, and then the media files are available for you to play.

2. Press **Video**, **Music**, or **Photos** on the remote control, and then select and play the media.

Protected Media Files

You can play most media files that are protected by digital rights management (DRM) on an Ultimate HD Media Player by selecting the **Enable UPnP media sharing** check box in the Configuration Wizard.



Browsing with Live Folder or the Media Library

The Ultimate HD Media Player has two main ways of browsing media:

- Browse the NTV550 media library by category.
- Browse by folder.

Browsing the Media Library

For fastest browsing, add shared media on your network to the NTV550 media library. You can use the Configuration Wizard to do this, or select **Settings > Media Locations > Scan**. The Ultimate HD Media Player scans these locations for media files from sources on your network, whether they are on NAS devices, PCs, or attached storage, and aggregates the files into a library. Then you can browse by name, genre, artist, date, cover art, and so on.

To browse the NTV550 media library, use the Video, Music, and Photos menu selections to browse by categories. You do not need to think about where the media is actually located.

If you add new shared media on computers on your network, you can quickly add it to the NTV550 media library by selecting **Settings > Media Locations > Scan**. The Ultimate HD Media Player scans your selected media locations and updates the library. The library is also updated to reflect media that has been removed. You can continue to browse the media library and play media while scanning is ongoing.

Live Folder Browsing

Live Folder Browsing is like using Windows File Manager to browse your network to find a file. When you browse by folder, you see new media on your network immediately. However, you cannot use categories. Instead of using categories, you locate the media by navigating the folders where it resides. Only the media locations that are also in your NTV550 media library are listed.

The main reason to use Live Folder Browsing is if you added a new media files to shared folders and don't want to take the time to do a scan before playing it (to add it to the media library). You can use Live Folder Browsing to go directly to the file and play it.

To use Live Folder Browsing:

1. Select **Browse Folders** from the main menu, or from the Video, Music, and Photos menus.
2. To see all network folders, press the **Popup Menu** button, or edit your media locations to view more network folders.
3. To edit media locations, go to **Settings > Media locations > Select media locations**.
4. Press **Play** on a folder to play all the media in the folder.

For example, pressing **Play** on a folder containing .jpg files starts a slideshow from the photos in the folder. If the folder contains one or more DVD files, then Play shows a menu listing the available files. From the folder, press **OK** to choose which DVD to play.

Tips for Browsing and Searching

You can browse by the type of media that you want (such as videos), or you can browse by folder. Here are some tips to help you quickly locate media files.

- You can combine categories to narrow your search. For example, you can browse by genre and then by rating to get to R-rated action movies.
- Some audio or video files might be stored without information in some fields, such as album or genre. If this is the case, these tracks are listed in a category called Unknown.
- You can enter letters contained in a title to quickly find a media file by name when browsing. For example, enter **EYE** to find both Goldeneye and For your Eyes Only.
- When browsing on an iPod, note that iTunes uses an unusual file-naming convention to store music files on the iPod. The Ultimate HD Media Player can display only the folder names as they are saved on the iPod. To find the files, use other criteria such as artist or genre.
- To enter letters, tap the number button to get the letters that you want. For example, tap **6** twice to change from M to N.

Browse Folders

Press **Home** and select **Browse Folders**, and the following screen displays:



Use this feature to locate media by location. You will see all kinds of media located within each folder. For instance, you can see your music files, and your videos.

Table 1. Remote Control Buttons While Browsing Media

Button	Description
	Toggle between list view and cover view.
	Within cover view, toggle between a single row of covers ("gallery view") and a 10x3 screen of covers ("poster view").
0-9	Narrow the selected media (for example, press 2 to cycle A, B, C, 2). In cover view, what you type is visible in the Search box at the upper right. In list view, what you type is visible above the list of media.
	Toggle between sorting alphabetically and by most recently accessed.
	Show full screen details on the selected media, including metadata and MediaInfo details for video and music, and EXIF details for photos.

Cover Art

The Ultimate HD Media Player can associate cover art, descriptions, and other media metadata with videos. Spending a few minutes to tag your media results in a richer browsing experience. You can tag media using the NETGEAR Tag Tool, or you can use other software such as MyMovies. In general, tagging media means creating a .tag file with the same name as the media, and that contains the media metadata and cover art. If you want only cover art, you can add .jpg format covers to your videos by placing a .jpg file in the same folder as the video, and giving it the same name as the video. If you have multiple videos in a folder and you want them to use the same cover, add a file called folder.jpg in the folder.

When you browse media on the Ultimate HD Media Player, you can browse in list form or as cover art.

Note: For the best cover art browsing results, make sure the image cache is set to a fixed, fast location (either on an attached USB / eSATA drive or SD card), or a fast network share. Set the Image Cache location in **Settings > Audio/Video > Playback Options**.

When browsing video in cover view, only videos that have cover art are shown with covers. Other videos are represented within the folders that contain them. You can add cover art at any time as described earlier. Highlight the video that you have added the cover to, and the new cover is loaded and cached.

When you are browsing music in cover view, one cover is shown for every album.

Finding Media on Your Network

The Ultimate HD Media Player can access media from CIFS (Windows file shares), Samba, NFS, and DLNA/UPNP. NFS (available on most NAS type devices) typically offers the best performance, followed by CIFS/SMB. Note that to access DVD media, or to play media with associated external subtitles, use NFS, CIFS, or Samba, not DLNA or UPNP.

If your media is on a Windows PC, it is sometimes not sufficient to simply share the folder containing the media. For best results or if you are having difficulty seeing your media from the Ultimate HD Media Player, you should run the NeoTV Configuration Wizard for Windows/Mac, which will locate your media on your PC and share the media folders so they are accessible by the Ultimate HD Media Player.

To test the speed of your network connection from the Ultimate HD Media Player to your media servers, use the Network Test option available in **Settings > Network**. Network Test shows the average throughput for each network share that you have selected in Media Locations. The most demanding media streams typically require at least 50 Mbps of network throughput.

Parental Controls

The Ultimate HD Media Player supports a variety of parental controls. To activate parental controls, select **Settings > Parental controls**, and set the supervisor PIN. (For set up information, see [Parental Controls](#) on page 39.)

Once the PIN is set, the parental controls you can configure on this screen are active. Note that the PIN is also required for accessing the settings.

- You can restrict access to media in the NTV550 library by MPAA rating (G, PG, PG-13, and so on). You can use the Tag Tool to set the rating. Set the age rating permission in **Settings > Parental controls**. Media that is disallowed by the age rating setting is not shown when you are browsing. Note that media that is not tagged carries the rating NR (not rated), which is the equivalent of the most restricted.
- You can restrict access to specific media share locations.
- You can restrict access to online media content.

When you are browsing media, if some media has been excluded due to parental controls, you will see a message *Press <Eject> to browse all media*. This allows you to enter the parental control PIN to access the media.

Once the PIN has been entered, it unlocks restricted media for 1 hour.

3. Playing Media



CAUTION:

Displaying static images can cause burn-in on certain displays. Do not display static images (such as menus, photos, or paused videos) onscreen for long periods of time.

Watching Videos

The Ultimate HD Media Player finds the video files on your computer's hard disk, on other computers, on external hard drives, or on other storage devices on the network. Downloaded content from noncommercial sources might be of varying quality, and might not play back correctly.

To watch a video:

1. Aim the remote control at the HD media player, and either press  **Video**, or press  **Home**, and select **Video**. The following screen displays:



2. Browse videos based on your preference.
 - **Recently added.** View the most recently added videos and select the one you want.
 - **Recently watched.** View recently watched videos and select the one you want.
 - **Folders.** Browse folders to locate the video you want to watch.
 - **Categories.** View videos by categories.
 - **All video(s).** View a list of all videos.
3. Select the video that you want to watch.
 - **OK** plays the selected video.
 - **Play** plays the selected video, and then plays the rest of the videos in the order shown on the screen.
4. When the video is playing you can use the remote control buttons to customize viewing:
 - The **Page Up** and **Page Down** buttons zoom the video in or out. Press  **Home** twice to restore the original size.
 - Press **0–9** to skip to 10% - 90% of the video by elapsed time. Pressing **0** restarts the video from the beginning.
 - To display information about the video, press the **i** button on the remote control.
 - Popup menus are described in the following section.
5. If you want to add videos to a playlist, press the  **Angle** button.

Popup Menus during Video Playback

While a video is playing you can use the remote control buttons to open popup menus.

Video Media Bar

You can use the media bar for fast seek within a video or to access a playlist. To display the media bar, press  **Popup Menu** while you are watching a video. Press  again to exit the media bar.

The media bar has two views, elapsed time and playlist. On the remote control, use the up and down arrows by the OK button to change between the elapsed time and playlist view.

- **Elapsed time.** When you press  **Popup Menu** on the remote control, the elapsed time view displays.



For fast seek mode, use the left and right arrows. The video is paused and you can move the cursor to the place you want to resume watching. Press the left or right arrow button again to go faster. Press  **Play** to resume the video.

- **Playlist.** You can use the media bar to navigate the play list. Press the down arrow by the OK button to display the playlist. When the media bar is in playlist view, navigate between files in the playlist (the currently playing file is shown with a speaker icon). Press **OK** to resume playback at the selected item.

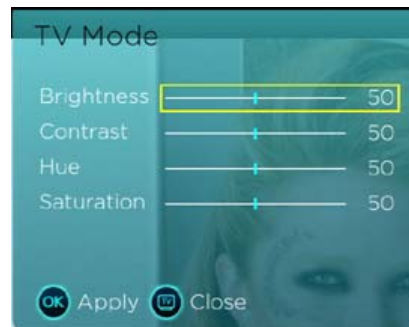
Video Aspect Ratio

To change the aspect ratio only while watching the current video, press  **Aspect**. The Aspect Ratio popup menu displays:



TV Mode and Display Settings

You can use the  **TV Mode** button to display the TV Mode popup menu:



Use care when changing the TV mode.



CAUTION:

Selecting the wrong TV mode can cause a loss of picture.

For you to go to the TV Mode popup, a video has to be playing in full screen mode (not picture-in-picture). You can change the TV mode setting or the appearance.

- **TV Mode Setting.** This advanced feature is especially useful for changing to a 50Hz mode for smoothest playback of 25 fps (frames per second) video, to a 60 Hz mode for 30 fps video, or to 1080P24 mode for 24 fps video.
- **Appearance.** Change the display settings for brightness, contrast, hue, and saturation.

Subtitles

You can change the subtitle track or language, and adjust the color, size, positioning, and timing of subtitles. The NTV550 supports a variety of subtitle formats, including external subtitles (SUB/IDX, SRT, SUB, SMI), and embedded subtitles (DVD, PGS, and MKV).

To display or change subtitles for a movie, press **AA Subtitle**, and the Subtitle popup menu displays:



For movies with text subtitles, you can control the text color and the position of the subtitle. While the subtitle popup is visible, press **AA Subtitle** again to change the appearance.

Note: You can select the preferred subtitle language in **Settings > Audio / Video > Playback options**.

Audio Track

Press **Audio** to select an audio track. The Audio popup menu displays:



Note that there might be a brief delay while the audio track is switched.

Time Seek

Press  **Time Seek** to go to a specific time or scene within a video. The Time Seek popup menu displays:



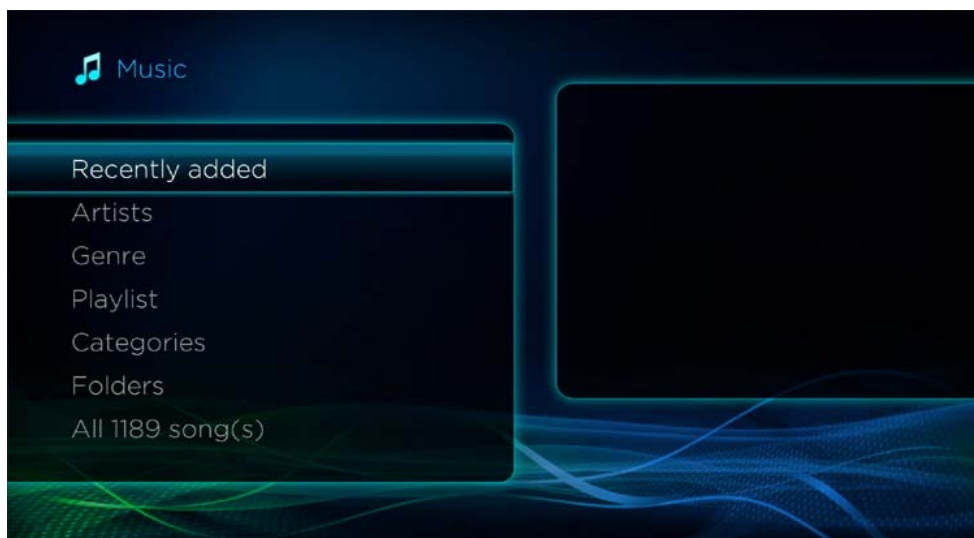
Resuming Video Playback

If you are watching a video and you exit, the Ultimate HD Media Player remembers where you stopped the video. When browsing, videos that have been watched are indicated with a half circle symbol next to the name of the video. Videos that have been completely watched are shown with a full circle. In list view, the circle icon is shown to the left of the video title.

If you resume playback, you are asked if you want to resume or start from the beginning. If you have watched less than 1 minute, the video is not considered to be partially watched. Also, if you are almost at the end of the video (less than 5 minutes from the end) the video is considered to be completely watched.

Listening to Music

1. Press  **Music** on the remote control, or press  **Home**, and then select **Music**. The following screen displays:



2. Browse according to your preference:
 - **Recently added.** Display the most recent songs at the top of the list.
 - **Artists.** Display a list sorted by artist in alphabetical order.
 - **Genre.** Display a list of songs sorted by genre.
 - **Playlist.** Select and play a playlist. Playlists should include only songs on the same server as the playlist itself, or the songs might not be identified correctly.
 - **Categories.** View songs by category.
 - **Folders.** Browse folders to locate the songs you want to listen to.
 - **All song(s).** Display all songs..
3. Select the music that you want to listen to.
 - To play only one song, press **OK**.
 - To play an entire album or list of songs, highlight the first song, and press  **Play**. The rest of the songs will be played in the order shown.

When you browse and select a song, it is added to the list of playing songs. If the screen saver comes on (as specified in **Settings > User Interface**), it shows the album art and artist and track of the current song.

4. You can select the next song while you are listening to a song. To go to a song you selected, either press  **Stop** before you select the song, or press  **Next** repeatedly until you reach the song you want to hear.

Tip: To save the list of playing songs, press **i** on the remote control, select **View Playlist**, and then select **Save**.

There might be a difference between the time displayed when you are browsing a song and the time displayed when you are listening to the song. The time embedded in the song file is shown in the browser, while the actual length of the audio file (calculated by the Ultimate HD Media Player) is shown in the Now Playing screen.

5. If you want to queue more media to play, press **Angle** to toggle the queue to playlist mode. When queue to playlist is on, OK queues the selected media file to the end of the playlist.

Tip: While the Music media bar is shown, you can use  and  to time seek within the track.

Music Media Bar and Playlists

the Ultimate HD Media Player supports playlists up to a maximum of 250 tracks. If you are listening to music, you can toggle the queue to playlist mode. To view your queue, press **i** **Information**. You can click the media bar **Source** button to edit your playlist. Three horizontal bars show the songs on the playlist. To save your playlist, select **Now Playing** and save the playlist.

You can use the media bar to access a playlist. To display the media bar, press  **Popup Menu** or  **Audio** while you are listening to music.



While the media bar is visible, the remote control buttons go to the media bar. Press  again to exit the media bar.

The media bar has two views, elapsed time and playlist. On the remote control, use the up and down arrows by the OK button to change between the elapsed time and playlist view.

- **Elapsed time.** When you press  **Popup Menu** on the remote control, the elapsed time view displays.



To use fast seek mode, use the left and right arrows. The song is paused, and you can move the cursor to the place where you want to resume listening. Press the left or right arrow button again to go faster. Press  (**Play**) to resume playing the song.

- **Playlist.** You can use the media bar to navigate the play list. Down arrow shows the playlist. When the media bar is in playlist view, navigate between files in the playlist (the currently playing song is shown with a speaker icon). Press **OK** to resume playback at the selected item.

Gapless Playback

With gapless playback, audio tracks are played without a pause between them. The Ultimate HD Media Player plays music albums gaplessly if you press  **Play** to play the album tracks in order, either from the music category browse or live folder browse modes. If you queue multiple albums, each album plays gaplessly with a delay between albums. Note that there is a short delay when gapless playback starts while the album tracks are analyzed. Also, all tracks in the album must use the same audio codec, and the metadata must indicate that the tracks are from the same album. When an album is playing gaplessly, the elapsed time and duration shown on the progress bar indicate times for the full album. The elapsed time in the current track is shown in smaller text. To enable or disable gapless playback, select **Settings > Audio/Video > Audio**. Gapless music playback is supported for MP3, M4A, and FLAC media.

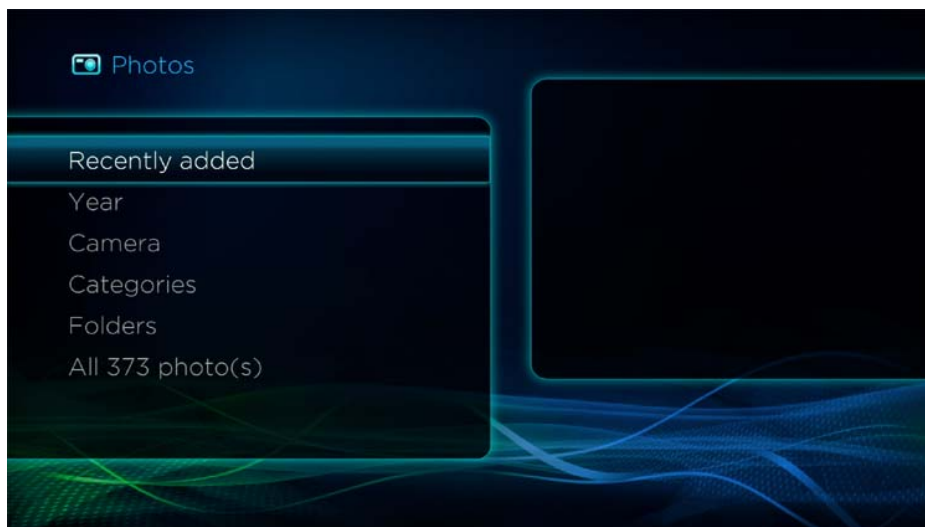
Viewing Photos

The Ultimate HD Media Player finds the media files on an optional internal hard disk, on your computer's hard disk, on other computers, on external hard drives, or on other storage devices on the network.

Tip: To play music while watching a photo slideshow, press  **Music**, and start playing a song or playlist. While the music is playing, press  **Home**, and then select the photos that you want to view with the music in the background.

To view photos:

1. Press  **Photos** on the remote control, or press  **Home**, and then select **Photos**.



2. Browse based on your preference:
 - **Recently added.** Display the most recent photos at the top of the list.
 - **Year.** Display photos by year.
 - **Camera.** Display photos by camera.
 - **Categories.** Browse photos by category.
 - **Folders.** Browse folders to locate the photos you want to view.
 - **All photo(s).** Display a list of all photos.
3. If you want to preview a selected photo, press **OK** to preview the photo full screen. During preview you can rotate, zoom, or use the back and next buttons to go to the next or previous photo. Press **OK** again to close the preview.
4. Press  **Play** to start a slideshow from the currently selected photos in thumbnail or preview mode. While you are viewing a slideshow or video, you can use the  to go to picture-in-picture.

Adjusting the Photo Display

- Press **Rotate** to rotate the selected photo 90 degrees.
- To zoom in or out of a photo, press **Page Up** or **Page Down**. When the photo is zoomed in, you can use the arrow keys by the OK button to pan the photo. In thumbnail view, you can use the left and right arrow keys by the OK button to go to the previous or next photo.

Photo and Slideshow Media Bar

You can use the media bar to view the name of the current photo, resolution if known, and repeat mode of the slide show. To display the media bar, press  **Popup Menu** while you are viewing a slideshow.



While the media bar is visible, the remote control buttons go to the media bar. Press  again to hide the media bar.

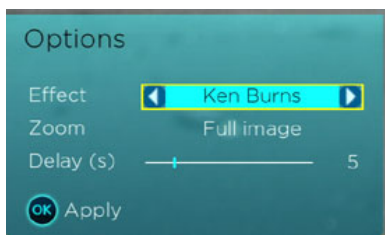
Photo Aspect Ratio

To change the aspect ratio only while watching the current slideshow, press  **Aspect**. The Aspect Ratio popup menu displays:



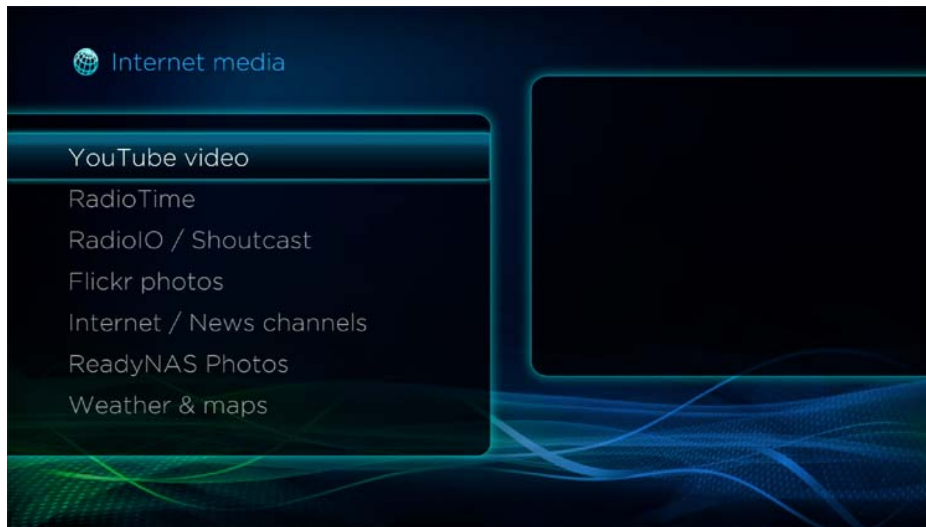
Slideshow Options Menu

While you are watching a slideshow, press  **Menu** to display the Slideshow Options menu. You can change the type of transition effect, delay between transitions, fit to screen or view full image.



Playing Internet Media

To go to the Internet Media screen, press  **Home**, and then select **Internet Media**. The Internet media screen offers these selections:



- **YouTube video.** View YouTube video as described in the following section.
- **RadioTime.** RadioTime presents a categorized list of Internet radio stations worldwide, based on your location. See [RadioTime](#) on page 30.
- **RadiolO/Shoutcast.** Listen to Internet radio. See [RadiolO/Shoutcast](#) on page 31.
- **Flickr photos.** View photos stored at Flickr that you access over the Internet.
- **Internet/News channels.** Access and select Internet news channels. See [Internet News Channels](#) on page 32.
- **ReadyNAS Photos.** View photos on a ReadyNAS device accessed over the Internet.
- **Weather & maps.** Access the Internet to view weather and maps. To receive local weather you have to enter your zip code. You can enter your zip code during installation or through local settings. See [Internet Weather](#) on page 33.

Viewing YouTube Content

You can use your Ultimate HD Media Player to view YouTube content and add items or publishers to your favorites list. To do so, you need the Ultimate HD Media Player set up with access to the Internet through your network.

To view YouTube videos:

1. Press  **Home**, and select **Video > YouTube**, or select **Internet Media > YouTube**.
2. Select the option you want to use to retrieve YouTube content, and press **OK**.
 - **Most viewed.** Go directly to the most viewed YouTube videos.

- **Top rated.** Browse a list of top YouTube videos.
- **Recently added.** Displays your most recent YouTube favorites.
- **Featured.** View videos featured at YouTube.
- **Search.** Press **Caps** to display the onscreen keyboard, and then use the arrow buttons on your remote control to enter a search term. Your last search tag is displayed by default. Select **OK** on the onscreen keyboard to close the keyboard.
- **Browse.** Browse categories of videos, such as action or animals.
- **My YouTube.** Displays a list of your favorite videos.

The results of your search are displayed, with a preview of each item shown on the right when an item in the list is selected.

3. Select the item you want to view, and press **OK**.

The Ultimate HD Media Player begins playing the YouTube item.

- Use the **Zoom** button to improve the picture quality when viewing YouTube content.
- When you have finished viewing the item, you can save this publisher or this item in your favorites list for easy access in the future.

Customizing YouTube Video Playback

You can use the following buttons on the remote control to make adjustments while watching videos:

-  Fast forward, or press twice to skip to the next video.
-  Toggle the aspect ratio.
- You can press **Page Up** and **Page Down** to zoom the video in or out. Press  **Home** twice to restore the original size.
-  **Menu** toggles to and from full screen mode.

RadioTime

RadioTime provides a categorized list of Internet radio stations based on your location. You can search for programs by name or for content by key word. The screen contains these selections:

- Local radio
- Music
- Talk
- Sports
- By Location,
- By Language
- Podcasts
- Search

RadiolO/Shoutcast

You can use your Ultimate HD Media Player to access and play Internet radio programming and add items or publishers to your favorites list.

Note: Some Internet radio stations provide a low bit rate audio stream that your amplifier or receiver might not support. Try connecting the analog audio outputs of the Ultimate HD Media Player to the analog inputs of your home audio amplifier or receiver, and switch the device to that input when listening to a low bit rate Internet radio station.

To access and play Internet radio programming:

1. Press  **Home**, and select **Music** or select **Internet Media**.
2. Select **Internet Radio**, and press **OK**.
 - **Browse station.** You can browse by title, genre, or quality. Use the up or down arrows and page up or down to scroll through the list. A preview of each item is shown on the right when an item in the list is selected.
 - **Remove station.** Remove an Internet radio station from the list.
 - **Add station.** Add an Internet radio station to the list. You need to know the station's URL (Web address).
3. Select the item you want to play, and press **OK**.

The Ultimate HD Media Player begins playing that item.

When you have finished playing the item, you can save this station in your favorites list for easy access in the future.

Tip: You can use the browser interface from the PC to add stations to the favorites list.

Using the Remote Control When Playing Internet Radio

Only the  **Stop** button is available when Internet radio is playing. Press the  **Stop** button to stop playing the Internet radio.

Internet News Channels

Internet Channels uses Really Simple Syndication (RSS) for accessing regularly updated information such as news, podcasts, and blogs. Common sources are the major television networks and wire services, as well as many Internet websites and portals.

Press  **Home**, and select **Internet Media > Internet news channels**. The following screen displays:



The Ultimate HD Media Player includes several common news feeds, and you can add your own. To add your own list, select **Add new RSS feed**, and enter the URL (Web address) of the RSS news feed as well as a descriptive title.

You can locate the RSS feeds on your computer and use the Ultimate HD Media Player browser interface to save the RSS feeds to view on your television.

Internet Weather

To view news and weather, you need the Ultimate HD Media Player set up with access to the Internet through your network. To receive local weather, you have to enter your zip code. You can enter your zip code during installation or using the Ultimate HD Media Player Settings menu.

From the main menu, select **Internet Media > Weather**. The following screen displays:



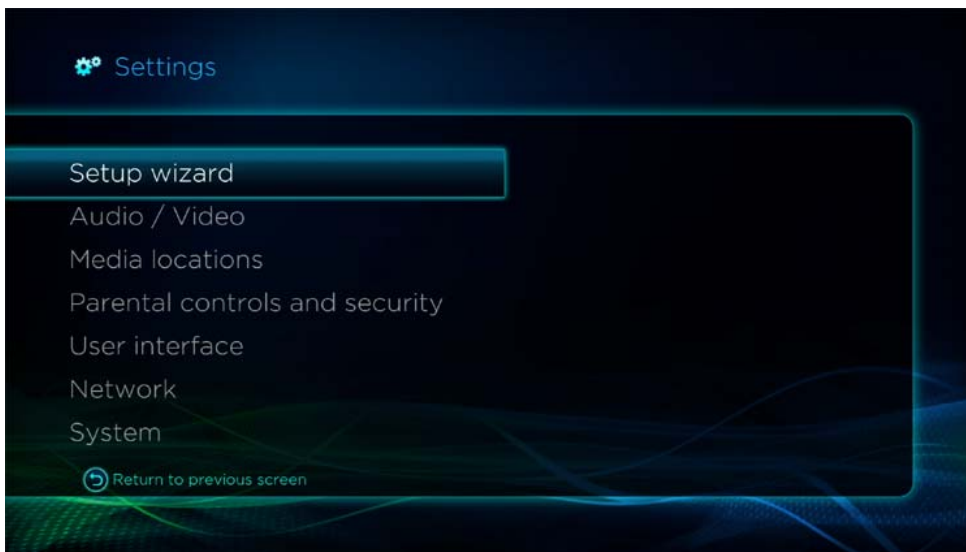
Using More than One Ultimate HD Media Player

You can have multiple Ultimate HD Media Players on your home network. Features available for this type of installation are:

- **Room name.** You can use the Setup Wizard to select a room name such as Living Room for each Ultimate HD Media Player. See [Settings Menu](#) on page 34.
- **Follow me.** Move the programming from one room to another (press **Home**, **Information**, and select **Follow me**). The video starts from the beginning on the second Ultimate HD Media Player. To have all Ultimate HD Media Players play the same music simultaneously, select **Everywhere**; or add rooms one at a time.
- **Send message.** Send messages from one Ultimate HD Media Player to another (press **Home**, **Information**, and select **Send message**).
- **Monitor another Ultimate HD Media Player.** To monitor what is playing in another room, press **Home**, **Information**, and use the left and right remote control buttons to scroll between rooms.

Settings Menu

Press  **Home**, and select **Settings**. The Settings menu displays:



This screen offers the following selections:

- **Setup wizard.** Enter or change the settings for the Ultimate HD Media Player.
- **Audio/Video.** Display the audio/video settings. See [Audio/Video](#) on page 36.
- **Media locations.** View media locations that the Ultimate HD Media Player discovered. See [Media Locations](#) on page 38.
- **Parental controls and security.** See [Parental Controls](#) on page 39.
- **User interface.** Select the language, and specify other details about the user interface.
- **Network.** Specify a wired LAN connection, standalone mode, or use a network test.
- **System.** System information is useful for troubleshooting network problems or accessing information or settings needed for technical support.

Setup Wizard

Press  **Home**, and select **Settings > Setup Wizard**. The following screen displays:



The Setup Wizard steps you through a series of screens to set up your Ultimate HD Media Player. You are prompted to enter the following information:

- **Language.** Select a language from the list.
- **Verify sound.** The Ultimate HD Media Player plays an audio tone to confirm that the audio is working correctly.
- **TV Mode.** By default this is Auto. You can cycle through the TV modes to see which works best with your TV.
- **Select a room name.** This question displays only if you have more than one Ultimate HD Media Player in your home.
- **Set your location.** Enter your region, city, or zip code.
- **Select media servers.** This question displays only if you have a large number of shares.

If the Setup Wizard does not locate your media, you can select **I don't see media**, which offers you the choice to search again, add a manual share (specify where your media is located), or go to the main menu.

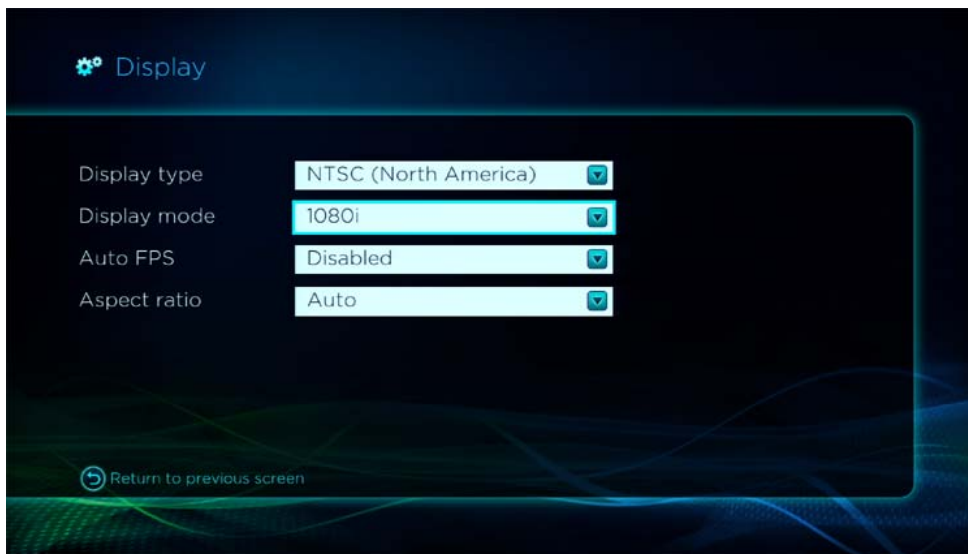
Audio/Video

Press  **Home**, and select **Settings > Audio/Video**. You can view or change the following audio/video settings.

- **Display.** Access display settings as shown in the following section, [Display](#).
- **Audio.** Access audio settings as shown in the section [Audio](#) on page 37.
- **Playback options.** Access settings associated with video playback and slideshow.

Display

Select **Settings > Audio/Video > Display** to go to the following screen:

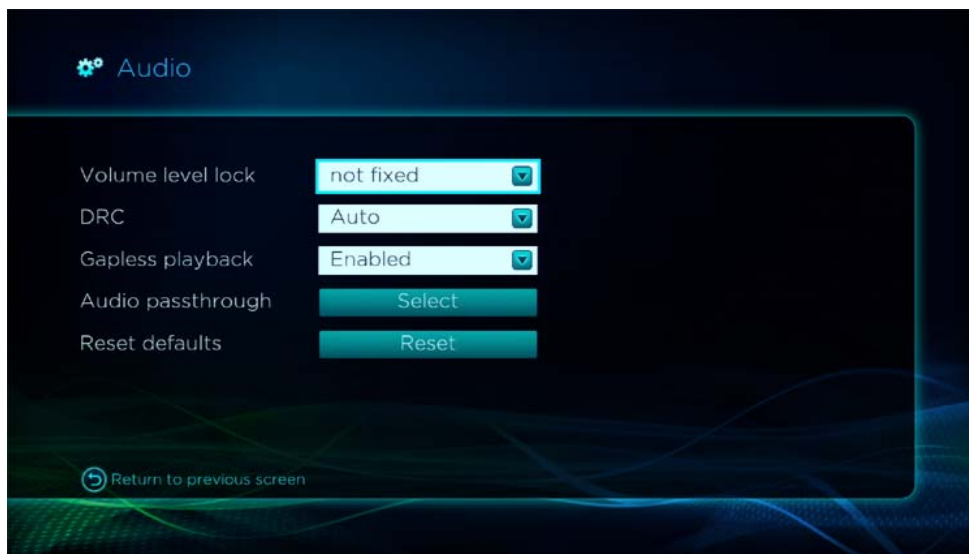


View or change the settings to customize the display.

- **Display type.** Switch between North America (NTSC, 60 Hz) and Europe (PAL, 50 Hz) display modes. The default is North America.
- **Display mode.** For a high-definition TV, select the appropriate resolution.
- **Auto FPS.** Automatically set the TV display mode to match the frames per second (FPS) when playing videos.
- **Aspect ratio.** When set to Auto, the aspect ratio defaults to the same setting as the content you are viewing.

Audio

Select **Settings > Audio/Video > Audio** to go to the following screen:



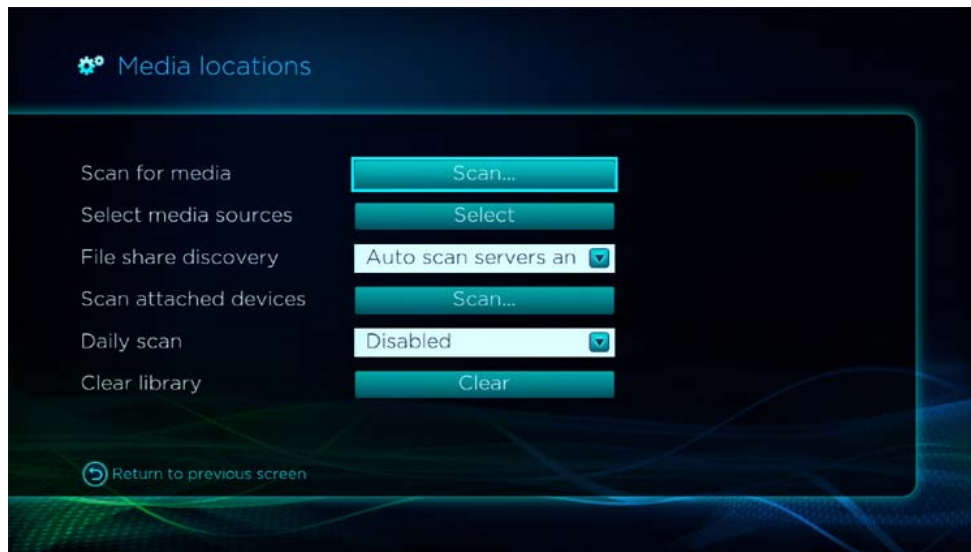
The following settings are available:

- **Volume level lock.** By default, this is set to not fixed.
 - **Not fixed.** With this setting you can use the volume control buttons on the remote control to change the NTV550 volume. The NTV550 starts up at the same volume level as the last time it was used.
 - **Fixed.** The volume level stays the same, and the volume buttons on the remote control do not work. This setting is useful if you use the volume level of your home theater and want the NTV550 to always use the same volume setting.
- **DRC.** Dynamic range compression. This limits the range of the volume.
- **Gapless playback.** When playing music, listen to tracks without pauses in between them. This applies to MP3, M4A (iTunes), and flac audio tracks. For M2TS videos from camcorders, view videos without gaps between them.
- **Audio passthrough.** You can choose to let your audio system handle the sound. HDMI can use up to 7.1 channels of bitstream audio. If your receiver supports it you can use S/PDIF optical up to 5.1.
- **Reset defaults.** Click **Reset** to return the audio settings to their factory default settings.

Media Locations

The Ultimate HD Media Player remembers where it has found media in shared folders on the network. This lets the Ultimate HD Media Player find media faster.

Select **Settings > Media Locations** to display the following screen:



The following selections are available:

- **Scan for media.** Click **Scan** to scan for media files.
- **Select media sources.** Specify which shared folders the Ultimate HD Media Player should check when it scans for media files. See [Media Sources](#) on page 39.
- **File share discovery.** Locate shared media files.
- **Scan attached devices.** Click **Scan** to scan attached devices for media files.
- **Daily scan.** This is disabled by default. You can set up a daily scan for media files at the time you specify.

This option requires your computer to be on and the shared files available at the specified time. If your computer is in sleep, standby, or any mode other than on, the scan will find no shared files, and your library will contain no media. To avoid this, you can disable Daily auto-scan, or leave the computer on, or enable the computer Wake on LAN feature so that your computer is activated by the scan.

- **Clear library.** Clear the memory of where media files are located from the Ultimate HD Media Player.

Media Sources

The Media Sources screen shows a list of media shares. You can select and deselect shares. You can use this screen to:

- Rescan the network if you do not see your media shares.
- Add a server or share manually.
- Access share details to provide a password, edit the share location, or select what kind of content to scan in the share (music, videos, photos, or a combination of these.)
- You can delete shares from the edit details screen.

Parental Controls

You can use parental controls to add a password to view sensitive content based the media file rating or by location.

Select **Settings > Parental controls and security**. The following selections are available:

- **Supervisor password.** Specify the password that a viewer has to enter to watch sensitive content after you set up parental controls.
- **Parental control.** Select the rating that you want to control from the drop-down list.
- **Room access.** Specify a password to enter when watching media by room.
- **HTML Access.** Restrict HTML access.
- **Share restrictions.** Restrict network shares.

You can block video files by rating, or block any files based on their location.

To block video files by rating:

Mark the files with a rating and then select a rating level on your Ultimate HD Media Player:

1. Use the NETGEAR Tag Tool application to tag video files with an MPAA or TV rating. From the Windows Start menu, select **All Programs > NETGEAR Digital Entertainer for Windows > Tag Tool**.

Note: Files without tags are considered “NR” or Not Rated, the most sensitive and highest rating. Files restricted by rating do not have to be in the same folder.

2. Change the supervisor password on your Ultimate HD Media Player:
 - a. Press  **Home** and select **Settings > Parental controls and security**.
 - b. In the **Supervisor password** field, click **Setup**. Enter a new password, and press **OK**.

Be sure you pick a password that is easy to remember, or store it in a safe place.

Table 1. Remote Control Tips

Button	In an Edit Field
	Navigation arrows. Go to the previous or next field. Left arrow erases 1 character. Right arrow goes to the next field or button on a screen.
OK	Edit the selected item.
0–9	Enter characters into the edit field.

3. Select **Settings > Parental controls and security**.
4. Select the standard entertainment industry ratings such as G, PG, NR, and so on.

You can access files with the selected rating or a lower rating (higher up on the menu), but you cannot access files tagged with a higher rating. For example, if you select PG-13, all files with a PG-13, PG, TVPG, or G rating are accessible at all times. However, files with TV-14, R, NC17, TVMA, or NR (no rating set) are accessible only if you enter the supervisor password.

Select the NR rating to allow access to all shared media files.

Note: To temporarily suspend parental controls for 20 minutes and display blocked files, enter the supervisor password. To re-establish parental controls, press the power button to turn the device off and back on.

To block files by location:

Choose the shared folders that require a supervisor password:

1. Place the files in a shared folder.
2. Press  **Home** on the remote and select **Settings > Parental controls and security > Share Restrictions**.
3. Select the check boxes next to the shared folders that require a supervisor password. Folders with a checked box can be accessed only with the supervisor password.
4. (Optional) Enter an additional password for each protected folder:
 - a. Press  **Home**, and select **Settings > Media Locations** and select which servers to scan.
 - b. Highlight the shared folder that is password protected with parental controls.
 - c. Press  **Menu** and enter a user name and password.
 - d. Select **OK**.

User Interface

You can select a language, and you can customize the user interface. This affects the appearance of the Ultimate HD Media Player menu displays on your television. Select **Settings > User Interface** to display the following screen:

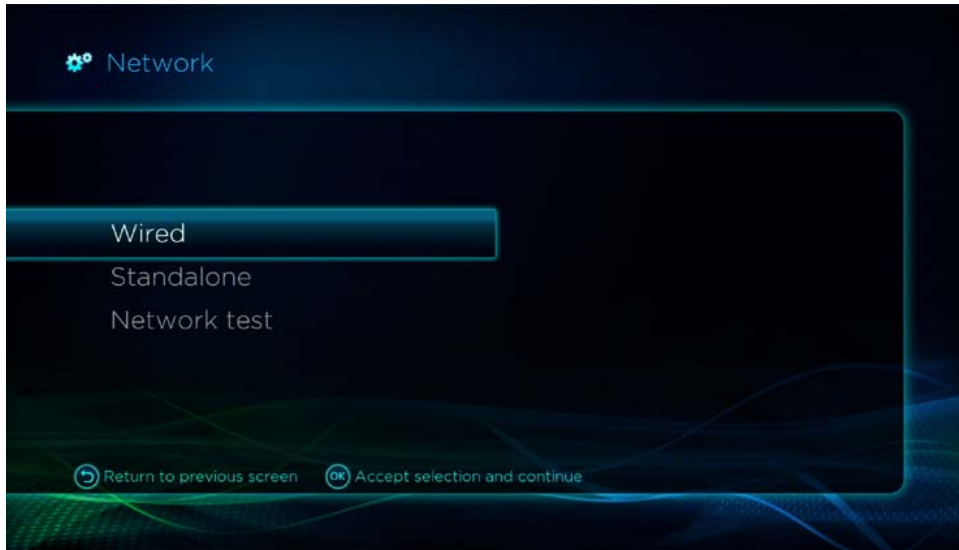


Make the changes that you want, and then press **OK** on the remote control. You can adjust the following fields in this screen:

- **Language.** Select a language for the Ultimate HD Media Player menus.
- **Skin selection.** Select a skin from the drop-down list, or click **Custom skin** to create a new skin. The skin image is limited to the background and font based on files picked up during the scan.
- **Menu wrap.** When Menu wrap is turned on, if you scroll down past the last menu selection, the scrolling automatically goes back to the first item on the list.
- **Screen saver.** You can set the interval after which a screen saver will protect your TV from image burn-in. You can use the Image option to use a picture from your library as your screensaver.

Network

The Network screen lets you specify a wired network connection, standalone operation, or run a network test. Select **Settings > Network** to display the following screen:



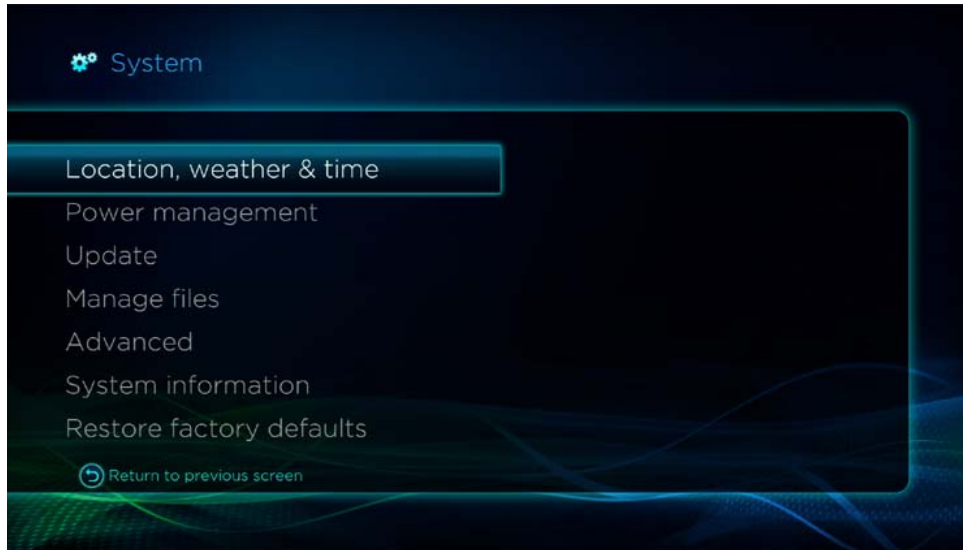
You can select from three types of network connections to your Ultimate HD Media Player:

- **Wired.** You are using an Ethernet cable for a local area network (LAN) connection.
- **Standalone.** You do not want to access a network, only USB devices connected directly to your Ultimate HD Media Player.
- **Network test.** Test the network performance.

Note: To connect the Ultimate HD Media Player wirelessly to your home router, you need the NETGEAR Universal Wi-Fi Internet adapter WNCE2001 (sold separately). If you want to use a Powerline connection, you can use the NETGEAR Home Theater Internet Connection Kit XAVB1004 (sold separately).

System Menu

Select **Settings > System** to display the following screen:



The following selections are available:

- **Location, weather & time.** Specify your location and time zone, and synchronize your Ultimate HD Media Player to an Internet time server.
- **Power management.** The settings in this screen are Auto power off, Auto standby off, and Remote power key (the  power button in the remote control).
- **Update.** Update the firmware for the Ultimate HD Media Player either from a USB device or over the Internet. See [Updating the Firmware](#) on page 44.
- **Manage files.** Copy files from one location to another.
- **Advanced.** Display the Advanced Settings screen as described in [Advanced Settings](#) on page 45.
- **System information.** View system information. See [System Information](#) on page 46.
- **Restore factory defaults.** This resets all the options to the default values as of the last installed firmware, and requires a system restart.

Updating the Firmware

To update the firmware on your Ultimate HD Media Player, press  **Home**, and select **Settings > Update**.



CAUTION:

Your display might go black for several seconds while the updater starts. Do not power off the unit during this process.

- To check for firmware updates for the Ultimate HD Media Player on the NETGEAR website, select **Update from the Internet**, and follow the onscreen prompts.
- If the firmware file is located on a USB storage device, connect the device to the USB port of your Ultimate HD Media Player, and select **Specify a location**. Uncompress the .zip file, if necessary. The .img firmware file has to be on the top level (root) of the device. If more than one file is on the device, you are prompted to select a file.
- When the update is complete, the Ultimate HD Media Player restarts.

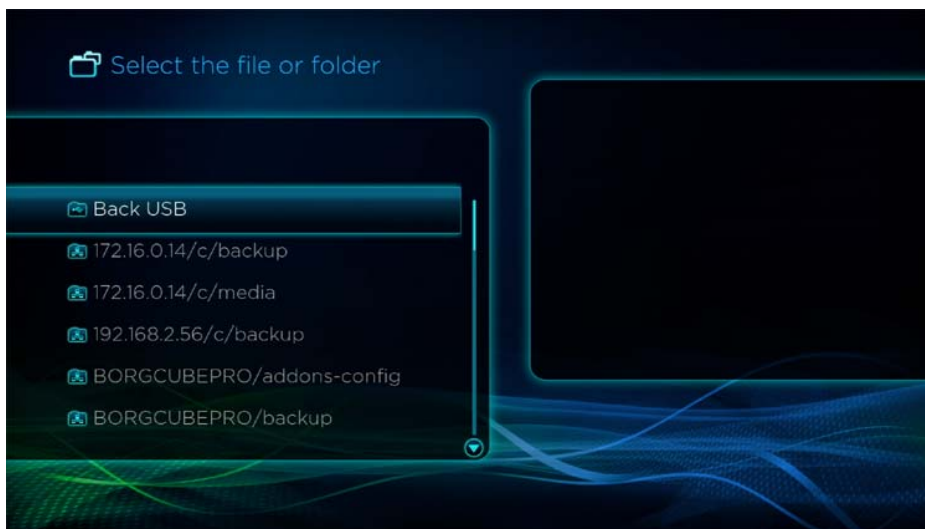


WARNING!

Be sure that power to your Ultimate HD Media Player unit is not interrupted during the firmware update process. Failure to observe this precaution can permanently damage the unit.

Manage Files

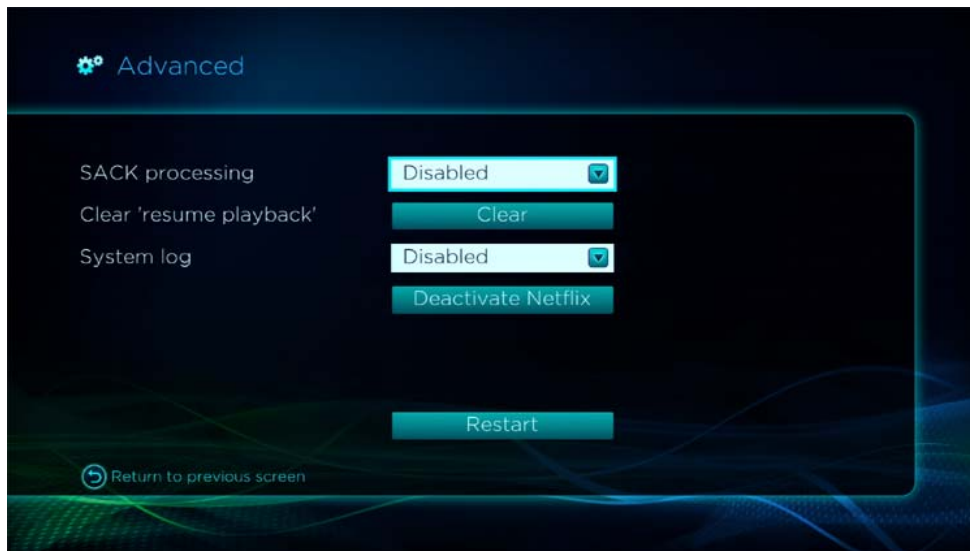
This feature allows you to copy files from one location to another. Select **Settings > Manage Files** to display the following screen:



Select the files that you want. Then specify the destination location for the copied files.

Advanced Settings

Select **Settings > System > Advanced** to display the following screen:

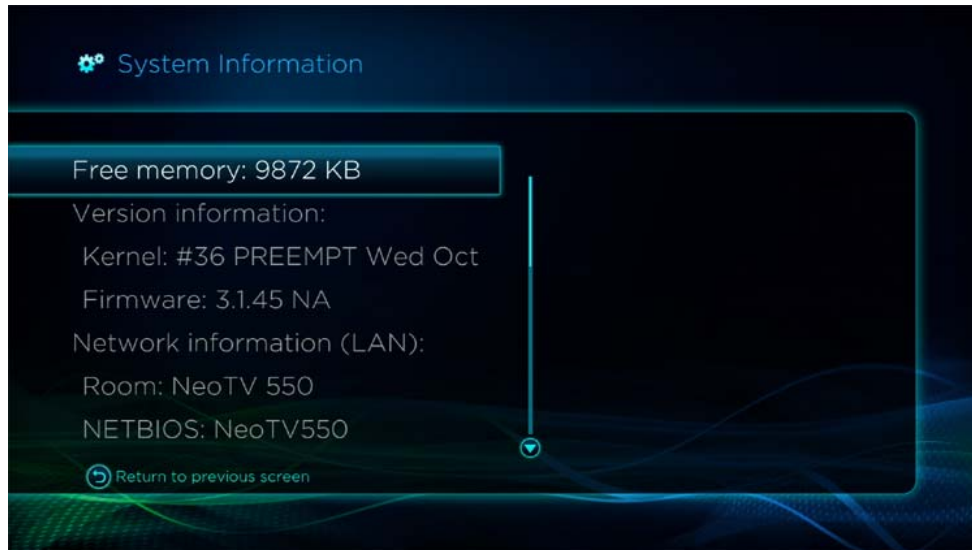


The following selections are available:

- **SACK processing.** SACK audio processing is used for debugging only.
- **Clear 'resume playback'.** By default, the Ultimate HD Media Player remembers where media was paused, and will resume playback at that location in the file. This feature clears the setting from memory.
- **System log.** You can enable a system log here. Typically, this is used only for debugging.
- **Restart.** Shut down and restart the Ultimate HD Media Player.

System Information

System information is useful for troubleshooting network problems or providing information to technical support. Select **Settings > System > System Information** to display the following screen:



The System Information screen displays free memory, version information (kernel and firmware), network information (LAN), IP address, MAC, broadcast information, and gateway.

- Free memory and Version information (Kernel and firmware currently running on your NTV550).
- Network information (LAN).
 - **Room.** The room name for the Ultimate HD Media Player. If you have more than one unit, you can customize this to identify each unit in your network.
 - **NETBIOS.** The NETBIOS version.
 - **IP address.** The IP address for the NTV550.
 - **MAC.** The unique MAC address for the NTV550. This is also on the product label.
- **Nameserver.** The IP address of the server on your network that resolves host names.
- **Media library.** Lists RAM size consumed by the media library, and the date and time of the last media scan.

Using Your PC with the NTV550

5

The Ultimate HD Media Player comes with a *Resource CD* with software you can install on your PC. This software includes the Configuration Wizard and the NETGEAR NeoTV for Windows application.

- **Configuration Wizard.** The Configuration Wizard helps you set up shared media on your network so that the NTV550 Ultimate HD Media Player can access it. Although you can use the Windows Sharing and Security option to share media folders, it is easier to use the Configuration Wizard.
- **NeoTV for Windows application.** You can use this to manage your Ultimate HD Media Player from your computer.

Controlling the Ultimate HD Media Player from a Windows PC

You can control the Ultimate HD Media Player from your PC using 2 methods:

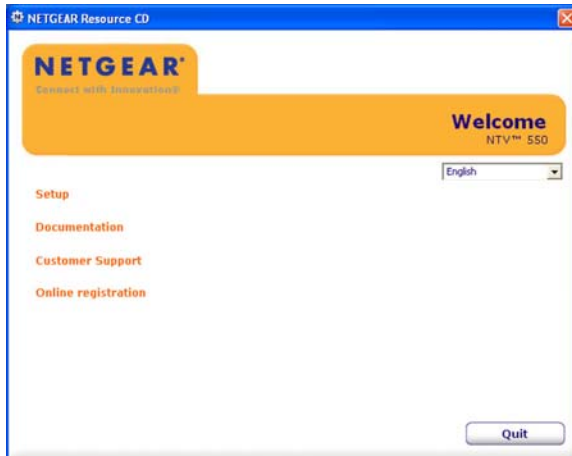
- Open a Web browser and type the IP address of the NTV550. To find the IP address, on the NTV550 TV menus, select **Settings > System > System Info**.

This provides a Web interface for using the Ultimate HD Media Player. You can also use the interface to set up the Ultimate HD Media Player. Some operations (such as adding your own RSS feeds) are easiest from the Web interface, since you can use the keyboard of your PC instead of the on-screen keyboard of the Ultimate HD Media Player.

- If you install the NeoTV for Windows software, run the NeoTV for Windows application, which creates an icon in the system tray. Click the icon and select **Status** to view which media your Ultimate HD Media Player (or other NETGEAR Digital Entertainer devices) is playing.

Installing the *Resource CD* Software on a Windows PC

1. Power on your computer, and log in as necessary.
2. Insert the *Resource CD* into the CD drive on the computer.
3. The Welcome screen displays.



If you do not see the Welcome screen, browse the files on your CD, and then click **Setup**.

4. Click **Setup**. You are prompted to check for updates:



5. You can check for software updates if you have an Internet connection. When you are ready to install the software, click the **Install from CD** button.

- Follow the wizard steps to accept the license agreement and install the Setup Wizard and the Configuration Wizard:



Now you can use the Configuration Wizard to set up your media so that it can be shared with the Ultimate HD Media Player over your local area network.

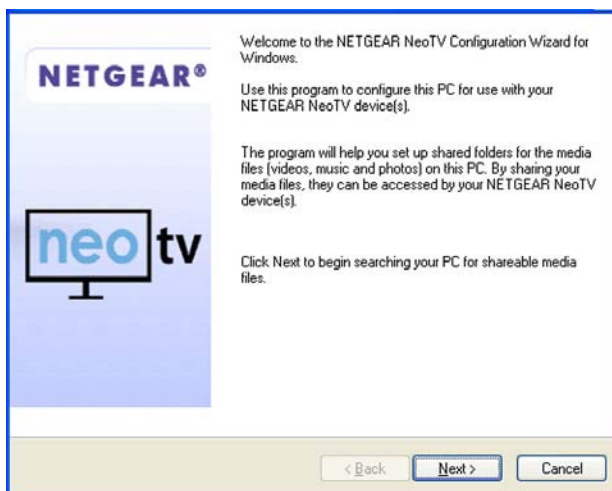
Using the Configuration Wizard to Share Media

Use the Configuration Wizard to specify shared access to media files on the PC where you have them stored. The Ultimate HD Media Player performs a full scan of your network to find the shared media. You can play a combination of shared media from your network and local media on USB devices such as MP3 players that you connect directly to the Ultimate HD Media Player.

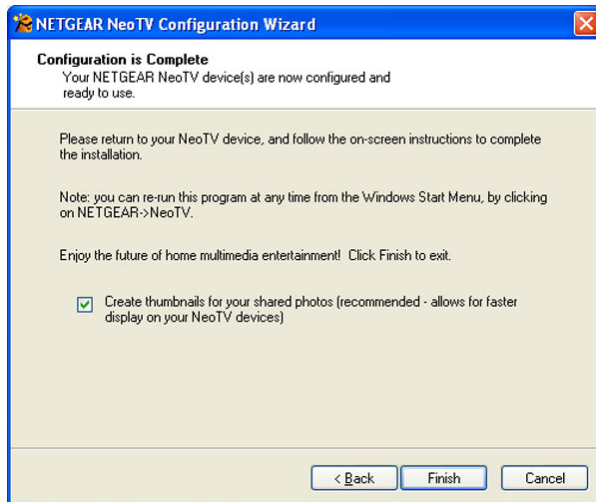
To use the Configuration Wizard to share media:

- On the Configuration Wizard Welcome screen, click **Next**.

The wizard prompts you to select media folders to be shared. This allows the Ultimate HD Media Player to access these files.

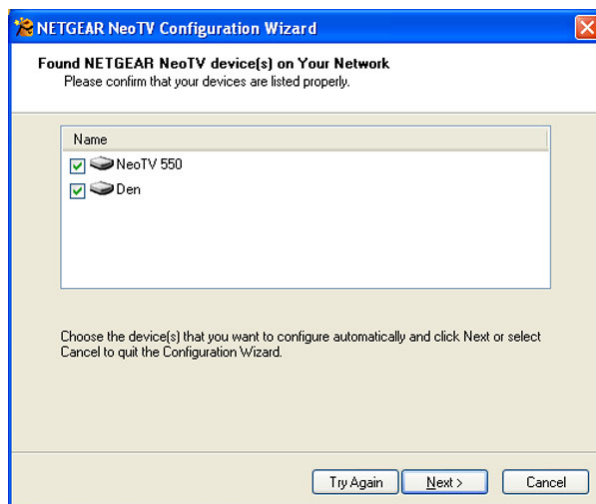


2. Browse and select the folders that you want to use, and then click **Next**.



You can automatically create thumbnails, which makes it easier to browse your photos on the Ultimate HD Media Player TV menus. If you do not want to do this, clear the check box on this screen. Click **Finish**.

The Configuration Wizard locates the Ultimate HD Media Player on your network and displays the following screen:



If the wizard is unable to connect to your Ultimate HD Media Player, disable any third-party firewall or security software such as those from Symantec or McAfee.

3. When you see a message confirming that the configuration is done, go to your television.

Depending on the media files you have, the initial full scan might take some time to finish.

You are finished with the installation and can play media from your network on your Ultimate HD Media Player.

Using the NeoTV Software on Your PC

The NeoTV software makes it easy to set up your favorite Internet radio stations that are not on the top 500 list, to add RSS news feeds, and to configure complex network settings. After you have installed the software from the NETGEAR *Resource CD*, you can double-click the task icon to display this screen:

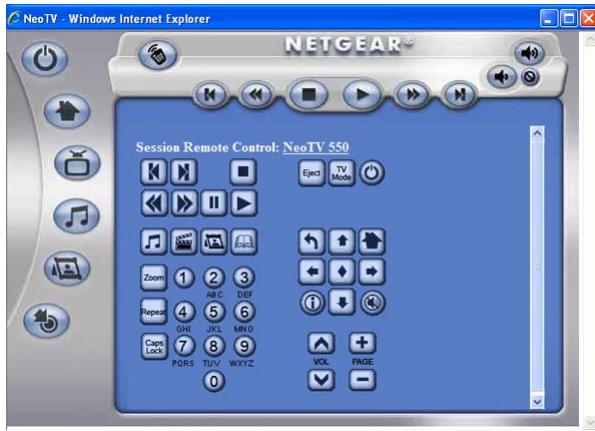


You can use this screen to access the following features:

- **Configure your NeoTVs.** This takes you to the Configuration Wizard, which helps you set up shared media files for the NTV550 to access.
- **Get Status on NeoTVs.** View the status for the NTV550 or other NETGEAR digital media players on your network.
- **Remote control your NeoTVs.** Display a virtual remote control that lets you use the Ultimate HD Media Player from your PC. See [Remote Control Your Ultimate HD Media Player](#) on page 52.
- **Modify Tag and Album Art information.** Use the Tag Tool to specify which images should be displayed for your album art. The Tag Tool works with these file formats: AVI, WMV, MPG, MP1, MP2, MP3, MKV, FLAC, ISO, and IFO.
- **Copy files to your NeoTVs.** This feature works with NeoTV products that include a hard disk.
- **NETGEAR documentation.** View NETGEAR documentation for your product such as the *NTV550 Ultimate HD Media Player Installation Guide* and user manual (this document).
- **Check for Updates.** Check to see if updates for your products are available. This is similar to the update feature you can select from the Ultimate HD Media Player TV menu. See [Updating the Firmware](#) on page 44.

Remote Control Your Ultimate HD Media Player

Select **Remote control your NeoTVs** to display this screen. To start playing something, click a menu entry. For example, click **Music** to browse to the music you want to play, and then select a song. When media playback starts, the following screen displays:



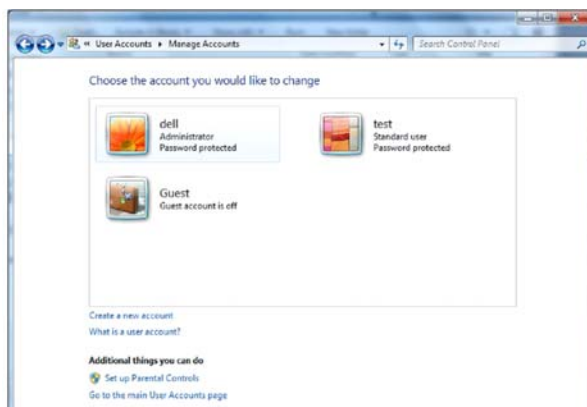
The buttons on this screen correspond to the Ultimate HD Media Player remote control. Click them to send commands to the Ultimate HD Media Player. For example, click **Volume Up** to increase the volume in the selected room.

Enabling Win7 File Sharing

You can use the Configuration Wizard to set up file sharing, or you can enable sharing in Windows.

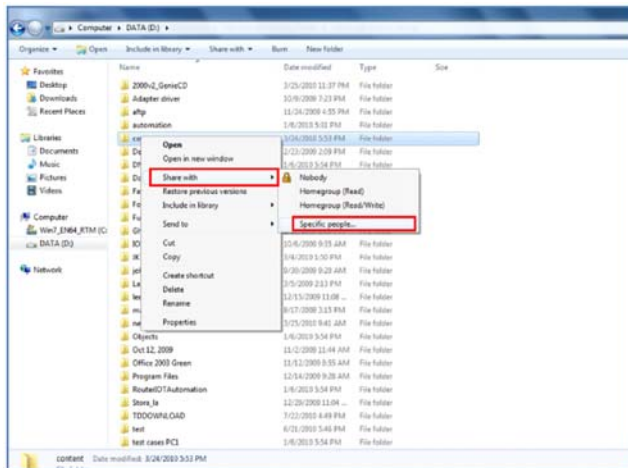
File Sharing with Win7 Password Protection

1. In Windows 7, navigate to **Control Panel > User Accounts and Family Safety > User Account > Manager Accounts**.

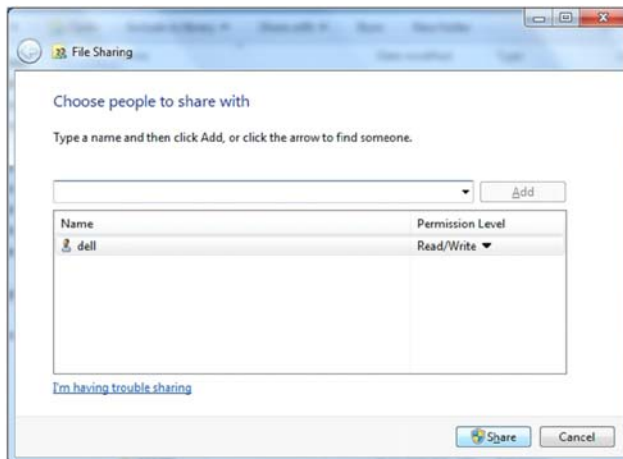


In this example, dell is a user account, and it is password protected.

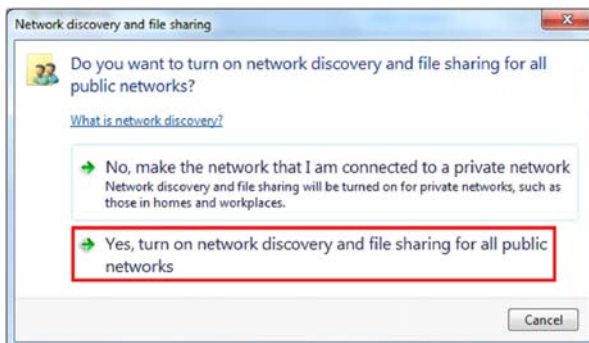
2. Right-click the folder that you want to share and select **Share with > Specific people**.



The next screen displays:

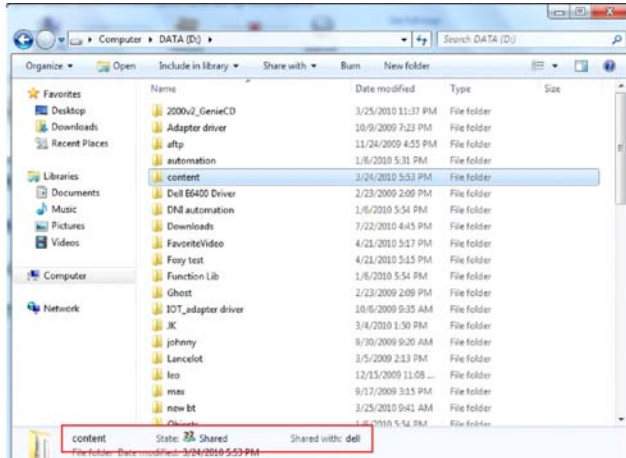


3. Click **Share** to share this folder. The following screen displays:



4. click **Yes** to turn on network discovery and file sharing.

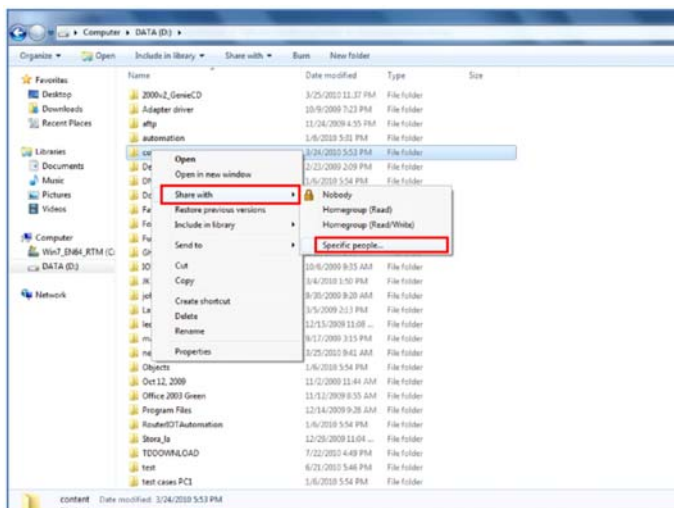
- Go back to File Manager and it shows a screen similar to the following:



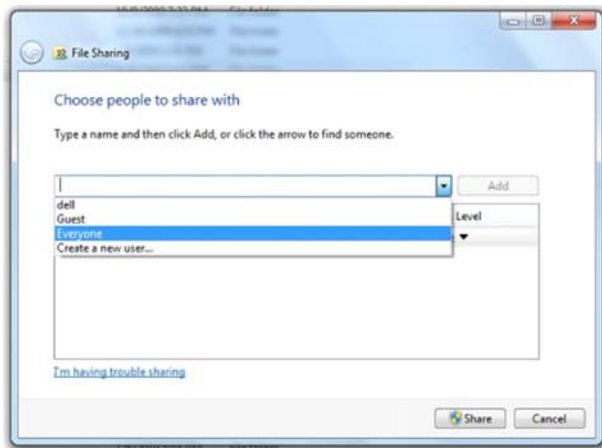
Now you can use the Ultimate HD Media Player to browse the folder that is shared. The Ultimate HD Media Player asks you to enter a user name and password. In this example, dell is the user name.

File Sharing without Win7 Password Protection

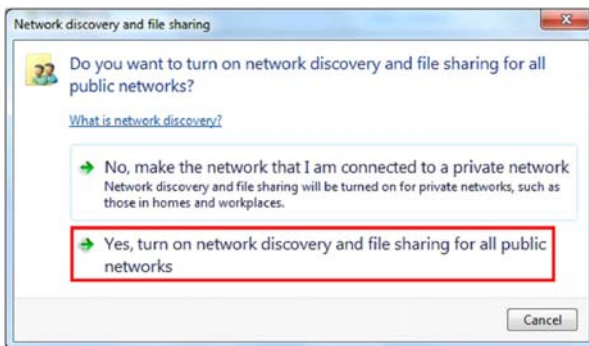
- Right-click the folder that you want to share, and select **Share with > Specific people**.



2. Select **Everyone** and add it to the share list.

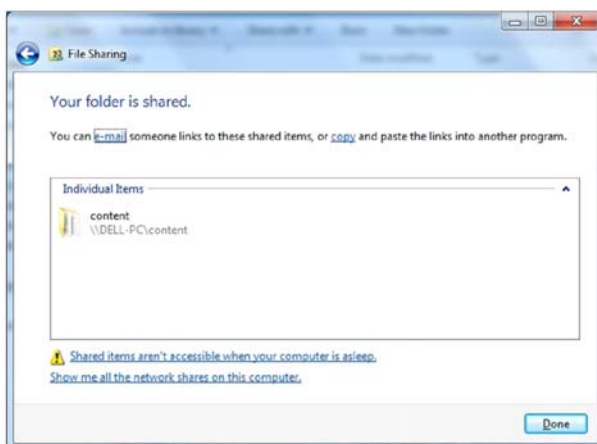


3. Click **Share**, and a new window displays.

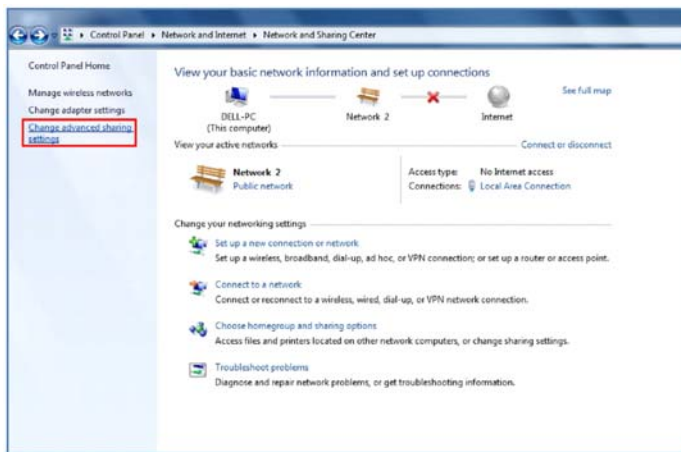


4. Click **Yes** to turn on network discovery and file sharing.

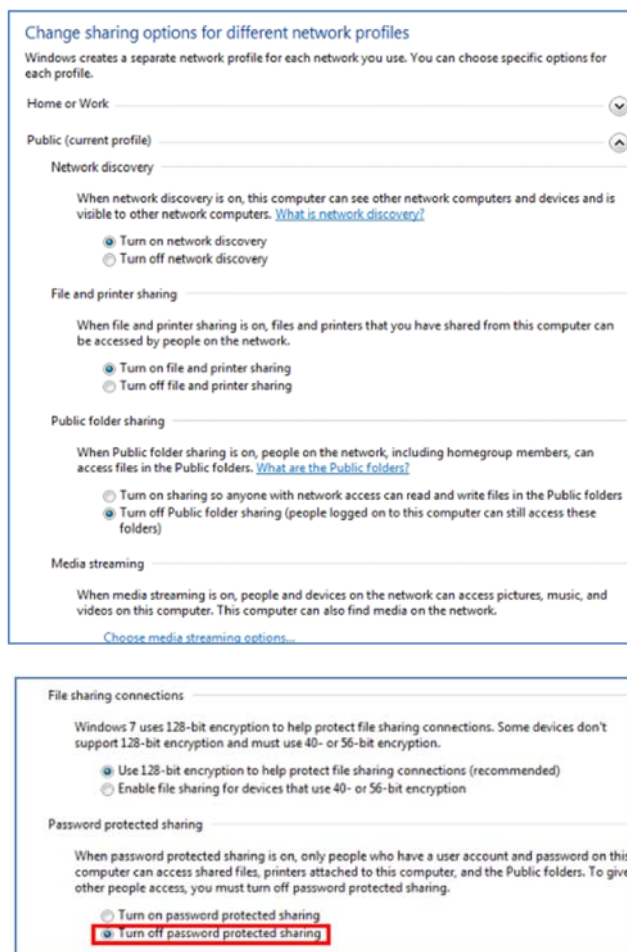
Now this folder is shared on your network. The File Manager shows which folder is shared.



5. To turn off password-protected sharing, select **Control Panel > Network and Internet > Network and Sharing Center** and click **Change advanced sharing settings**.



6. Select **Turn off password protection sharing**.



Now you can use Ultimate HD Media Player to access network shares without a password.

Troubleshooting Tips

Here are some tips for correcting simple problems that might prevent you from connecting to the Ultimate HD Media Player. You can also see the online NETGEAR FAQs and support forums for your product.

Table 1. Connecting to the Ultimate HD Media Player

Problem	Solution
I turned on my Ultimate HD Media Player for the first time, but I do not see anything on the screen.	• Check all cables to make sure that they are connected correctly, and be sure that you are using the correct input on your TV. • Check that your TV's input selector (sometimes called TV/Video button) is set to the correct input. • If you still do not see anything, press  TV Mode on the remote control to change the video mode. Make sure to pause for 3 seconds between button presses to allow the Ultimate HD Media Player to change video modes.
The Ultimate HD Media Player does not respond to the remote control.	Check the LED on the front panel of the Ultimate HD Media Player to make sure that the power is on. Make sure that the television is turned on. The LED on the remote control should flash when you push a button. • If the LED does not flash, and the batteries are working, then the remote might be faulty. • If the LED does flash, reset the Ultimate HD Media Player.
Some files do not play, or they cause the system to reset.	The Ultimate HD Media Player might not support the audio or video format used in the file. For information about what files are supported, see Supported Digital Media File Formats on page 65.
The Ultimate HD Media Player does not find the server.	• Make sure that the computer and the Ultimate HD Media Player are connected to the same network and turned on. • If you do not use DHCP on your network, you must set the IP address of the Ultimate HD Media Player in the range of addresses on your network. See IP Address on page 63. • Use the Configuration Wizard to check the settings. On the Windows Start menu, select All Programs > NETGEAR Digital Entertainer for Windows > Configuration Wizard.

Table 1. Connecting to the Ultimate HD Media Player (Continued)

Problem	Solution
Some files, songs, or videos are not showing up even though others are.	Check the file permissions for those items, and make sure that they have read access allowed for everyone.
The server cannot be found in a Windows domain.	If the PC where the Digital Entertainer for Windows software is running is a member of a Windows domain: 1. Make sure that you are connected to the domain (either by being on the same network, or by using a VPN connection), and then restart folder sharing in Windows Media Connect. 2. If this is not possible, uninstall the Digital Entertainer for Windows software, and reinstall it using a local user account. Then set up sharing with the Digital Entertainer for Windows software while logged in with this local user account.

Changing TV Mode, No Picture on the TV

If you turn on your TV and there is no picture (due to resolution not supported, or different PAL/NTSC type), press  **TV Mode** from the main menu to go to the mode switching screen. (Press  **Home** first if you are not sure you are in the main menu.) Then:

- Press  **TV Mode** to cycle from PAL to NTSC (or vice versa) and wait 10 seconds.
- If there is still no picture, press  **TV Mode** again to cycle back from NTSC to PAL (or vice versa).
- Note that cycling PAL/NTSC resets the display mode to the monitor default, which in most cases should result in a picture on the screen.

Power Off and Standby Mode

The Ultimate HD Media Player supports two modes of power off: standby and power off.

- **Standby mode.** The output ports are switched off and the unit is effectively idle, but you can awaken it quickly by pressing  **Power**.
- **Power off mode.** The unit is effectively off (drawing 0.1W), but you can still awaken it by pressing **Power**. Powering on the unit from the full power off state takes significantly longer (30 seconds compared to 1 second).

Firewall Port Settings

The built-in Windows firewall opens ports to communicate with the Ultimate HD Media Player. For other firewalls, you might need to open these ports:

- TCP: 49156, 49157, 49158, 49159
- UDP: 49152, 49153, 49154, 49155

If you are using a Windows PC to share media content, allow access to the following ports: 139 TCP, 445 TCP, 137 UDP, and 138 UDP for file-sharing services.

If you are using Windows Media Connect to share media from Windows, configure your desktop firewall to allow ports 10243 TCP and 10280–10284 UDP. If you are using the UPNP Framework under Windows XP, configure your desktop firewall to allow port 1900 UDP and 2869 TCP. For more information see <http://support.microsoft.com/kb/886257/>.

Accessing Your Digital Media

The following sections provide some suggestions for accessing digital media with Windows, Macintosh OSX, and Linux.

Windows System Passwords

If your system requires a password on startup, you need to use one of these access methods:

- Recommended: Enable guest access on PCs that have a startup password. From the Windows Start menu, select **Settings > Control Panel > User Accounts**, and enable guest access.
- Manually enter passwords on your Ultimate HD Media Player.
- Remove the password from the main administrator account.

Macintosh OSX

Turn off the Macintosh firewall, and then select the sharing icon from system preferences.

1. Click **Firewall**, select **Stop**, and verify that *Firewall off* is displayed.
2. Select the sharing icon from system preferences, and select the **Windows Sharing** check box. Make sure that *Windows Sharing On* is displayed.

Once the system is up and running, for better security you can configure your OSX firewall to allow file access while blocking other network ports. For file sharing you must allow access through TCP ports 139 and 445, and UDP ports 137 and 138.

Linux

You need to load and install a Samba server.

- On Redhat 9 systems, click the **Red Hat** button, and select **System Settings > Server Settings > Samba Server**. Click **Add** in the dialog box that displays.
- On other systems, you might need to install the Samba server (smbd) manually and modify the samba configuration file (/etc/smb.conf on most systems; select the man smbd check box). If Samba is not installed, see <http://www.samba.org>.

Media Does Not Play (Windows XP)

If the Ultimate HD Media Player cannot play media or music, check to see if the file is protected. Windows Media Connect is required for Windows XP users to play protected files. See the Microsoft documentation for these products.

If you use Windows Media Connect, place protected media files in one folder, and use Windows Media Connect to share only that folder. Then use the Configuration Wizard to share all other folders.

Video Display is Jittery

You can try changing the TV mode either with the Setup Wizard (press  **Home**, and select **Settings > Setup Wizard**) or by pressing the  **TV Mode** button on the remote control.

Note that videos are encoded with different frame rates. If the frame rate of the video does not match your TV display setting, then the video can appear jittery. This can happen if you are using a 60 Hz TV to watch a video with a frame rate of 25 frames per second instead of 30 frames per second, or if you are using a 50 Hz TV to watch a video with a frame rate of 60 frames per second.

The Auto FPS option (**Settings > Audi/Video > Display**) activates automatic video mode switching to match the frame rate of the video being played.

Unable to Play Media

This section explains *unable to play this media* messages, and offers suggestions about what to do if the HD media player displays this type of message.

- *Unable to play this media. The media format is not supported, or the location is not accessible.*

The media format is not supported by the Ultimate HD Media Player, or the file could not be opened or might no longer be available.

- Play a supported media file.
- Check the network connection.
- Verify the existence of the file.
- Verify the PC or server is powered on.
- Check the access permissions on the file and folder.
- Verify that the file format and encoding are supported. Go to <http://kbserver.netgear.com/products/neotv550.asp> and select the NTV550; then access the media formats link for file formats supported.

- *Unable to play this media. The media could not be opened, or the location is not accessible.*

The file cannot be opened or might no longer be available.

- Check the network connection.
- Verify the existence of the file.
- Check the access permissions on the file and folder.
- *Unable to play this media. The media is protected, and a license could not be obtained.*
 - The file is protected by Windows Media DRM, and the license for the file is expired, or invalid, or was not granted.
 - Verify that the file is playable from Windows Media Player.
- *Unable to play this media. There are insufficient resources to open or play the media.*

Restart the Ultimate HD Media Player. If the problem persists after restarting the Ultimate HD Media Player, then the media dimensions or encoding is not supported.

Error Messages

The following table describes error messages and recommended actions when they occur.

Table 2. Error Messages

Message	Description and Action
Network Performance Insufficient.	The network throughput is not high enough to handle the file type specified, such as playing high-definition video over a wireless network.
Unsupported video - may not play correctly.	The video is a DIVX 3 video. Some DIVX 3 videos do not play back correctly on the Ultimate HD Media Player.
Unable to play this station.	The format of the selected Internet radio station is not supported. The Ultimate HD Media Player supports only MP3 streaming audio formats for Internet radio playback.
Error loading picture. Photo format is not supported.	The photo is not a JPEG, TIFF, BMP or PNG, or the dimension, encoding, or color space of the photo is not supported.
Error loading picture. Photo does not exist.	The file cannot be opened or might no longer be available. • Check the network connection. • Verify the existence of the file. • Check the access permissions on the file and folder.
Error loading picture. Photo is too large or has encoding errors.	The dimensions of the photo are too large for it to be loaded, or the file is invalid.
Error loading picture. Photo could not be read.	The file exists, but an error occurred when it was accessed. • Check the network connections. • Check access permissions on the file and folder. • Check that the photo is viewable on a PC.

Table 2. Error Messages (Continued)

Message	Description and Action
Error loading picture. Access denied reading the photo.	• The file exists but does not allow read access to the Ultimate HD Media Player. • Check access permissions on the file and folder.
Subtitles not available.	The external subtitles for a video do not exist or could not be loaded. The subtitles might be in an unsupported format. Supported subtitle formats are SRT, SMI, SAMI, SUB, and TXT.

Network Connections

The following sections provide recommendations for how to troubleshoot network connections.

Ethernet Cabling

The Ultimate HD Media Player should be cabled to a hub, switch, or router using a standard Ethernet cable. If you connect to your network using Ethernet, the link LEDs on the back of your Ultimate HD Media Player and on your hub or router should both be on. If they are not lit, try the following:

- Make sure that the Ethernet cables are secure at the router and at the hub or workstation.
- Make sure that power is turned on to the connected hub or workstation.
- Make sure that you are using a standard Ethernet cable and not a cross-connect cable.

Troubleshooting a Wireless Network Connection

To connect wirelessly to your home router, you need the NETGEAR Universal Wi-Fi Internet adapter WNCE2001 (sold separately).

If you are having trouble with a wireless connection, check the following items:

- If there is more than one network in your area, then you have to know your wireless network name. The network name is also called the service set identifier (SSID).
- If your access point or router does not broadcast its SSID, then it is a hidden network, and the Ultimate HD Media Player cannot detect it.
- The SSID and passwords keys are case-sensitive. For example, NETGEAR is not the same as Netgear.

For detailed information about wireless networks, click the link to “Wireless Networking Basics” listed in [Appendix B](#).

IP Address

If the Ultimate HD Media Player does not receive a valid IP address, try the following:

1. Verify that a working DHCP server is on your network. Computers on the network should get IP addresses in the correct range.

If the Ultimate HD Media Player is set to use DHCP and fails to obtain an IP address from the server, it resorts to a default IP address of 127.0.0.1. You can use a static IP address if there is a problem connecting to the DHCP server.

2. If you are using a wireless network, verify that the NTV550 is connected to the right network.

Connecting to a Server

If the Ultimate HD Media Player cannot find the correct server, try the following:

1. Verify that the Ultimate HD Media Player and the PC running the NETGEAR NeoTV for Windows software are on the same subnet.

For example, you could use a subnet with IP addresses in the range of 192.168.0.x for both the Ultimate HD Media Player and the PC, with a subnet mask of 255.255.255.0.

2. For Windows PCs, run the Configuration Wizard to verify that the NTV550 and the computer can communicate. Double-click the task icon and select **Configure your NeoTVs**.
3. For other systems, try having the Ultimate HD Media Player look for the server again. Press **Home**, and select **Settings > Servers and shared folders > Build network shares list**. If you do not see your media, check your network connections and router firewall settings, and try to ping the IP of the Ultimate HD Media Player.
4. Try accessing the server from other Windows-based PCs. If these PCs can see the server, the Ultimate HD Media Player will too.

Using Ping

1. From the Windows taskbar, click the **Start** button, and select **Run**.
2. In the field provided, type **ping** followed by the IP address of the Ultimate HD Media Player. Displaying the IP address is described in [IP Address](#) on page 63. For example, type:

ping 192.168.0.2

3. Click **OK**. You should see a message like this one:

pinging <IP address> with 32 bytes of data

If the path is working, you see this message:

reply from < IP address >: bytes=32 time=NN ms TTL=xxx

If the path is not working, you see this message:

request timed out

If you cannot ping the NTV550, your network might not be working correctly.

Recovering the NTV550 If It Does Not Start

You should not need to do this unless you are instructed to do so by NETGEAR technical support.

If you power on the Ultimate HD Media Player and it does not start up and display the main menu, try power cycling the unit. If it still does not start, then you might want to try changing the TV mode on the unit. See [Changing TV Mode, No Picture on the TV](#) on page 58.

If you are fairly sure that the firmware on the unit has become corrupted (for example, if the unit was starting up normally, and it is no longer starting), then you can repair the firmware as follows.

1. With the unit unplugged, hold down the right front power button and plug in the unit. You can release the button after 4-5 seconds.

This shows the Recovery menu on the screen.

2. From the Recovery menu, you can restore the firmware from the Internet to the latest version, or you can install firmware from an attached USB device. (The Recovery menu looks very similar to the Update application.)

Supplementary Information



Supported Digital Media File Formats

The following file formats are supported:

- **Video codec formats.**
 - H.264 HP@L4.1
 - VC1 MP@HL, AP@L3
 - WMV
 - MPEG-2 MP@HL
 - MPEG-4 Part 2 ASP@L5 (Xvid)
 - MPEG1/2/4 SD
 - H.263
- **Video container formats.** AVI, Xvid, MOV, MP4, MPEG2 PS, MPEG2-TS, DVD ISO/VOB/IFO, MKV, ASF, AVCHD, DivX, WMV, M4A, M2TS, MTS, MP1, MP2, MPG, DVR-MS
- **Audio formats.**
 - Dolby® Digital (AC3), Dolby® Digital Plus, Dolby TrueHD
 - DTS 2.0+, DTS HD and DTS HD MA (passthru)
 - MP3 up to 320 Kbps or variable bit rate (VBR)
 - WMA8 and WMA9 up to 192 Kbps or variable bit rate (VBR)
 - WMAPro, AAC, FLAC (to 5.1, 192Khz), PCM LPCM/WAV (to 5.1, 192Khz)
 - Internet radio (streaming MP3, MMS)
 - MKA
- **Photo formats.** JPEG, BMP, PNG, TIFF
- **Subtitle formats.** SRT, SMI, SSA, SUB, TXT, DVD, PGS

New formats are added regularly. For the most current list, visit the NETGEAR knowledge base website at <http://kbserver.netgear.com/products/neotv550.asp>, and select **NTV550 > Media formats**.

Restoring Factory Default Settings

There are three ways to restore factory default settings:

- Press  **Home**, and select **Settings > Restore factory defaults**.
- Use the Reset button on the back of the Ultimate HD Media Player. While the menu is displayed on the TV (and you are not playing media), use a pen or paperclip to tap the **Reset** button 3 times. The TV screen displays a message asking if you want to restore default settings.
- Use the On/Off button on the front to power off the unit. Then power on the unit. Wait for the LED to blink orange, then press and hold the **Reset** button. The LED starts blinking blue signaling that factory defaults are being restored, and then the unit restarts.

The following table lists the default settings.

Feature	Description
Language	English
Video mode	Standard definition NTSC
Room name	NTV550
Network connection	Wired LAN

Technical Specifications

Feature	Description
Data and routing protocols	TCP/IP, DHCP
Power adapter	• North America: 120V, 60 Hz, input • United Kingdom, Australia: 240V, 50 Hz, input • Europe: 230V, 50 Hz, input • Japan: 100V, 50/60 Hz, input • Maximum input current NA: 0.24A; UK; AU: 0.15A; EU: 0.15A; JP: 0.27A
Physical specifications	• Dimensions (H x W x D): 1.5 x 17 x 10 in. (38.1 x 431.8 x 254 mm) • Weight: 4.4 lbs. (2.0 kg)
Environmental specifications	• Operating temperature: 32°–104° F (0°–40° C) • Operating humidity: 90% maximum relative humidity, noncondensing
Electromagnetic emissions	FCC Part 15 Class B, VCCI Class B, EN 55 022 (CISPR 22), Class B C-Tick N10947
Interface	LAN: 10BASE-T or 100BASE-Tx, RJ-45 WLAN: 802.11/b/g/n
Frequency	2400–2483.5 MHz, 5150–5825MHz

B Notification of Compliance



NETGEAR Wired Products

Regulatory Compliance Information

This section includes user requirements for operating this product in accordance with National laws for usage of radio spectrum and operation of radio devices. Failure of the end-user to comply with the applicable requirements may result in unlawful operation and adverse action against the end-user by the applicable National regulatory authority.

This product's firmware limits operation to only the channels allowed in a particular Region or Country. Therefore, all options described in this user's guide may not be available in your version of the product.

FCC Requirements for Operation in the United States

FCC Information to User

This product does not contain any user serviceable components and is to be used with approved antennas only. Any product changes or modifications will invalidate all applicable regulatory certifications and approvals.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Guidelines for Human Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Declaration Of Conformity

We, NETGEAR, Inc., 350 East Plumeria Drive, San Jose, CA 95134, declare under our sole responsibility that the NTV550 Ultimate HD Media Player complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

- This device may not cause harmful interference, and

- This device must accept any interference received, including interference that may cause undesired operation.

FCC Radio Frequency Interference Warnings & Instructions

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an electrical outlet on a circuit different from that which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications made to the product, unless expressly approved by NETGEAR, Inc., could void the user's right to operate the equipment.

Canadian Department of Communications Radio Interference Regulations

This digital apparatus, NTV550 Ultimate HD Media Player, does not exceed the Class B limits for radio-noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

European Union

The NTV550 Ultimate HD Media Player complies with essential requirements of EU EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC as supported by applying the following test methods and standards:

- EN55022: 2006 / A1: 2007
- EN55024: 1998 / A1: 2001 / A2 : 2003
- EN60950-1: 2005 2nd Edition
- EN 61000-3-2:2006
- EN 61000-3-3:1995 w/A1: 2001+A2: 2005

Index

A

- accessing media files **59**
- accessing media library **49**
- advanced settings **45**
- Audio/Video settings **36**
- AV output cable **8**

B

- Browse folders **17**
- browsing **14, 16**
 - live folder **16**
 - media library **15**

C

- cabling **8**
- compliance **67**
- Configuration Wizard **47, 49, 63**
- connecting
 - network connections **62**
 - server **63**
- copying files **44**
- cover art **18**

D

- default settings **66**
- Digital Entertainer for Windows software
 - installing **48**
 - troubleshooting **58, 63**

E

- error messages **61**
- Ethernet cable **8**
- Ethernet cable, troubleshooting **62**

F

- file formats, supported **65**
- files, copying **44**
- firewall port settings **58**

- firmware, updating **44**
- Follow me feature **33**

G

- gapless playback **26**

H

- HDMI cable **8**

I

- Internet channels **32**
- Internet media **29**
- Internet radio **31**
- Internet weather **33**
- IP address **63**
- iPod content **7, 14, 16**

K

- keyboard, onscreen **13**

L

- language, user interface settings **41**
- library, browsing **15**
- Linux **14, 59**
- live folder browsing **16**

M

- Macintosh **14, 59**
- Macintosh OSX **59**
- manage (copy) files **44**
- media
 - Internet **29**
 - listening **24**
 - protected media **15**
- media bar
 - music **25**
 - video **21**
- media file formats **65**

- media files, accessing [59](#)
- media library
 - enabling access [49](#)
- media locations, settings [38](#)
- media on the network [18](#)
- media, browsing [14](#), [16](#)
- media, locating on the network [18](#)
- media, organizing [14](#)
- media, searching [16](#)
- media, sharing [49](#)
- music [24](#)
 - gapless playback [26](#)
 - remote control [25](#)
- music media bar [25](#)
- music playlists [25](#)

N

- navigating
 - from a Windows PC [47](#)
 - with remote control [12](#)
- NeoTV application [47](#), [51](#)
- net shares, using the Configuration Wizard [49](#)
- network settings [42](#)
- network, finding media [18](#)

O

- On/Off switch [7](#)
- overview [6](#)

P

- parental controls [19](#), [40](#)
- parental controls, block by location [40](#)
- parental controls, block by rating [39](#)
- passwords, Windows system [59](#)
- PC, controlling the Ultimate HD Media Player [47](#), [52](#)
- photo play bar [28](#)
- photos [27](#)
- ping [63](#)
- playing
 - Internet media [29](#)
 - trouble with media [60](#)
- playlist
 - music [25](#)
- Pop-up Menus [12](#)
- protected media [15](#)

R

- RadiIO [31](#)
- recovering the NTV550 [64](#)
- remote control [10](#)
 - navigating [12](#)
 - playing music [25](#)
 - with Internet radio [31](#)
 - with YouTube video [30](#)
- remote control buttons [11](#)
- remote control menu shortcuts [13](#)
- Resource CD [48](#)
- room control [33](#)
- RSS news feeds [51](#)

S

- searching [16](#), [18](#)
- Send message feature [33](#)
- server, connecting to [63](#)
- settings
 - default [66](#)
 - firewall port [58](#)
- Settings menu [34](#)
- Setup Wizard [35](#)
- Shoutcast [31](#)
- slideshow [28](#)
- specifications [66](#)
- standby mode [58](#)
- streaming TV [33](#)
- system information [46](#)
- system settings [43](#)
- system settings, advanced [45](#)

T

- Tag Tool, cover art [18](#)
- technical specifications [66](#)
- technical support [2](#)
- trademarks [2](#)
- troubleshooting
 - playing media [60](#)
 - tips [57](#)
 - wireless networks [62](#)
- troubleshooting, jittery video display [60](#)
- TV mode [11](#), [58](#)

U

- Ultimate HD Media Player [7](#)
- Ultimate HD Media Player, cabling [8](#)
- Ultimate HD Media Player, more than one [33](#)
- updating firmware [44](#)

USB, playing media [14](#)

V

video display, jittery [60](#)

video media bar [21](#)

videos [20](#)

videos, resuming playback [24](#)

W

weather [33](#)

Windows sharing and security [47](#)

Windows system passwords [59](#)

wireless networks, troubleshooting [62](#)

Y

YouTube video [29](#)

YouTube video, remote control [30](#)