Photos Options

With an individual photo selected or a slideshow running, press **Options**.



- **Rotate Left & Right** - see “Rotate Left & Right” on page 58.
- **Zoom** - To change the display’s viewing scale, press **OK** repeatedly until the preferred viewing scale is achieved. Press **Options** or **Back** to revert to the default viewing scale.
- **Pan** - To pan the display, press the navigation buttons ▲▼◀▶ repeatedly until the preferred panned view displays. Press **Options** or **Back** to revert to the default viewing scale.

News Feed

The Facebook news feed displays all of your friends’ comments and allows you to “Like” or comment. The number of people who like or have commented on each entry displays inside the corresponding icons to the right of the news feed entry.

1. In the Facebook main menu, press ◀ / ▶ to select **News Feed**, then press **OK**.



2. Press ▲ / ▼ to view your friends’ comments and posts.
3. With an entry selected, press ▶ once to select “Like,” if you like the entry, then press **OK**. Press ▶ twice to comment on a news feed entry, press **OK**, then enter your comment using the on-screen keyboard.

Note: Navigating to **What’s on your mind?** and pressing **OK** allows you to add a comment to your wall in the news feed screen.

Friends

You can access your friends’ pages to view their photos, videos, and Wall posts.

EX. 1012
LG Electronics, Inc.

1. In the Facebook main menu, press ◀ / ▶ to select **Friends**, then press **OK**.



2. The page of the friend you have selected displays. The photos section of the page displays by default. You can view photos or navigate to Videos or Wall, then press **OK** to view your friend's videos and wall comments.

Wall

The Facebook Wall displays all of your entries and your friends comments and allows you to "Like" or comment. The number of people who like or have commented on each entry displays inside the corresponding icons to the right of the Wall entry.

1. In the Facebook main menu, press ◀ / ▶ to select **Wall**, then press **OK**.



2. Press ▲ / ▼ to view your friends' comments and posts.
3. With an entry selected, press ▶ once to select "Like," if you like the entry, then press **OK**. Press ▶ twice to comment on a news feed entry, press **OK**, then enter your comment using the on-screen keyboard.

Note: Navigating to **What's on your mind?** and pressing **OK** allows you to add a comment to your wall.

Videos

You can view the videos you and others users have posted to Facebook.

1. In the Facebook main menu, select **Videos** then press **OK**.
2. Navigate to a video, then press **OK**.

EX. 1012
LG Electronics, Inc.

Videos Player

With a video playing, press **OK** to bring up the videos player info panel. You can choose to **Like** or **Comment** on a video in the info panel, then press **OK**.



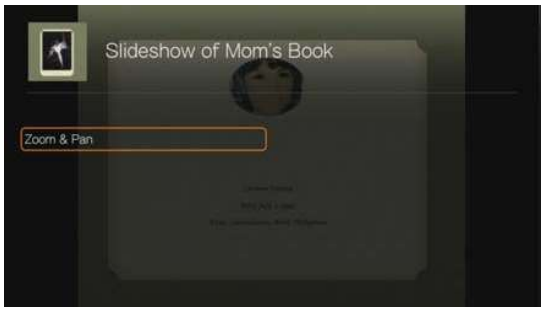
Number of "likes" and comments

Video playback progress bar

Elapsed and total playback times

Videos Options

With a video playing, press **Options**.



- **Zoom** - To change the display's viewing scale, press **OK** repeatedly until the preferred viewing scale is achieved. Press **Options** or **Back** to revert to the default viewing scale.
- **Pan** - To pan the display, press the navigation buttons ▲▼◀▶ repeatedly until the preferred panned view displays. Press **Options** or **Back** to revert to the default viewing scale.

Exit

In the Facebook main menu, select **Exit** then press **OK** to exit Facebook and return to the Services home screen.

Delete Facebook Account

You can delete a Facebook account in the login screen.

1. Navigate to the Home | Services menu bar and press **OK**.
2. The list of Internet services display in alphabetical order. Press ◀ / ▶ to select Facebook, then press **OK**.
3. Select the Facebook account you wish to delete, then press ▶ to select the  and press **OK**.
4. Select **OK**, then press **OK**. All previously saved account data for the Facebook account is erased.

EX. 1012
LG Electronics, Inc.

Flickr

Flickr is an online image and video management and sharing website. Flickr content is organized based on tags—a keyword or category label that describes content. Tags help users to search for contents that have something in common. Each content file can have as many as 75 tags associated with it.

To learn more about Flickr services, and the options and limitations related to them, go to *http://www.flickr.com/tour/*.

To access Flickr:

1. Navigate to the Home | Search menu bar and and press **OK**.
2. The list of Internet services display in alphabetical order. Press ◀ / ▶ to select Flickr flickr, then press **OK**. The Flickr home screen displays.

   Options include:

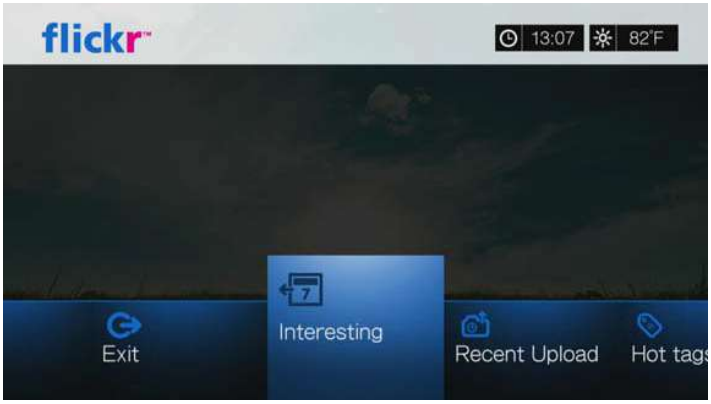
   - Interesting (last seven days)
   - Recent Upload
   - Search
   - My Contacts
   - Hot Tags
   - My Tags
   - Exit

Exploring Contents

You can explore photostreams (Flickr's term for content selection) available in Flickr's public domain.

To explore for random "interesting" media content from the past seven days:

Press ◀ / ▶ to select **Interesting** in the Flickr home screen, then press **OK**.

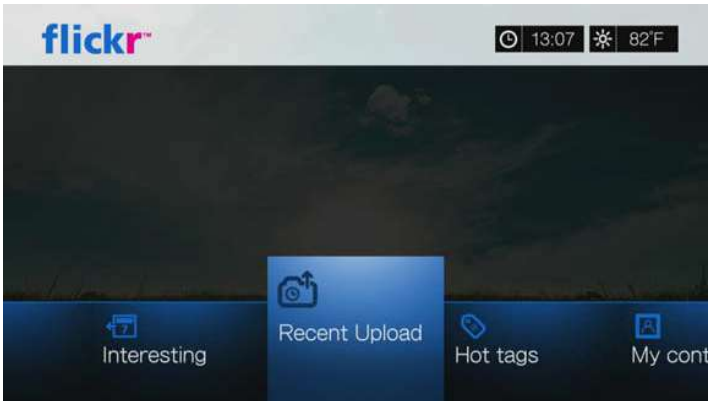


A photostream showing random contents rated as interesting in the past seven days by Flickr users displays. Go to page 92 for instructions on how to navigate a photostream.

EX. 1012
LG Electronics, Inc.

To explore based on the upload date:

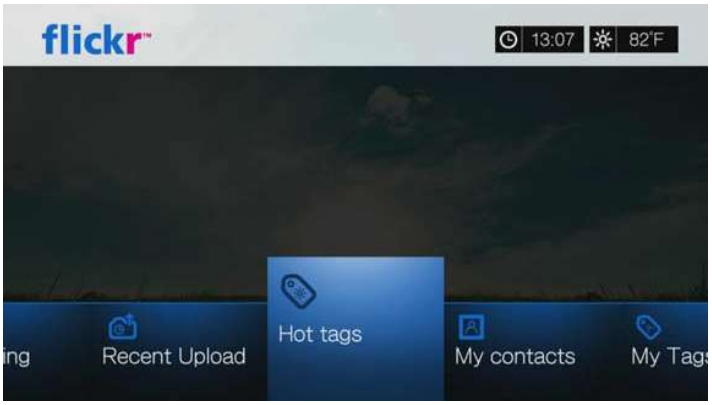
Press ◀/▶ to select **Recent Upload** in the Flickr home screen, then press **OK**.



A photostream showing the most recently uploaded content displays. Go to “Flickr Photostream” on page 91 for instructions on how to navigate a photostream.

To explore based on popular tags:

1. Press ◀/▶ to select **Hot tags** in the Flickr home screen, then press **OK**.



2. Press the navigation buttons to select a tag from the list, then press **OK**.

   A photostream showing contents associated with the selected tag is displayed. Go to “Flickr Photostream” on page 91 for instructions on how to navigate a photostream.

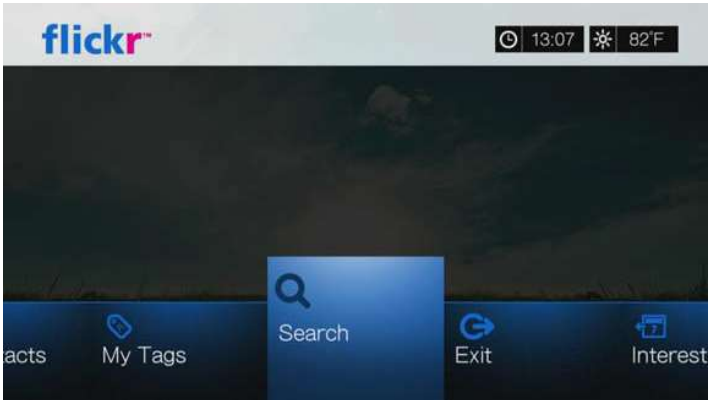
Searching for Contents

To search for content based on a specific keyword:

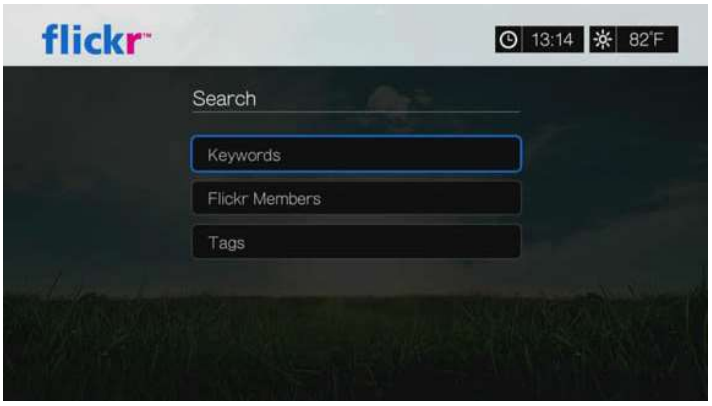
Keywords are words or phrases associated with the type of content you’re looking for. Keyword searches are based on information indicated on a member’s profile page.

EX. 1012
LG Electronics, Inc.

1. Press ◀ / ▶ to select **Search** in the Flickr home screen, then press **OK**.



2. Press ▲ / ▼ to select **Keywords**, then press **OK**.



3. Use the navigation buttons ▲▼◀▶ to type a search word using the on-screen keyboard. Select **Submit**, then press **OK**.

   A photostream showing contents associated with the specified keyword displays. Go to page 91 for instructions on how to navigate a photostream.

To search for content based on tags:

Perform this type of search to find content based on information indicated in a member's tags list.

1. Press ◀ / ▶ to select **Search** in the Flickr dashboard, then press **OK**.
2. Press ▲ / ▼ to select **Tags**, then press **OK**.
3. Use the navigation buttons ▲▼◀▶ to type a search word using the on-screen keyboard. Select **Submit**, then press **OK**.

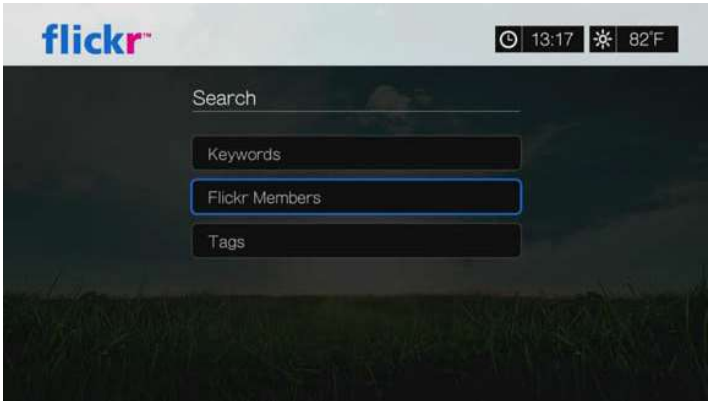
   A photostream showing contents associated with the specified word is displayed. Go to "Flickr Photostream" on page 91 for instructions on how to navigate a photostream.

EX. 1012
LG Electronics, Inc.

Searching for a Flickr Member

To search for a Flickr member:

1. Press ▲/▼ to select **Search** in the **Explore** screen, then press **OK**.
2. Press ▲/▼ to select **Flickr member**, then press **OK**.



3. Use the navigation buttons ▲▼◀▶ to type a member's user name, email address, or interest using the on-screen keyboard. Select **Submit**, then press **OK**.

   A browser screen listing Flickr member links matching your search criteria displays.

4. Press ▲/▼ to select a link, then press **OK** to view that member's profile page.

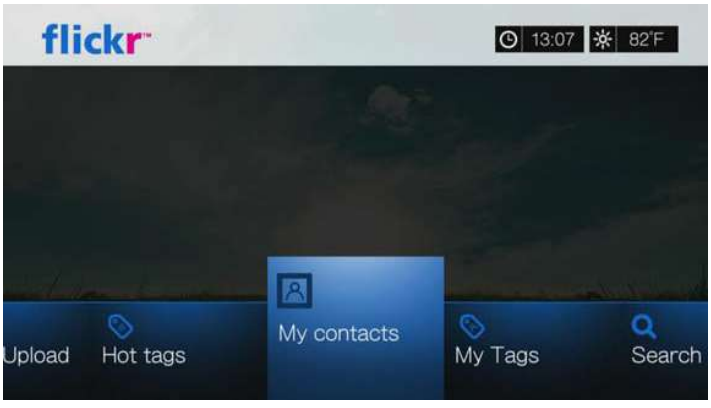
   If the selected member has public photostreams, you can explore them. Use the navigation buttons ▲▼◀▶ to select a content selection, then press **OK** to explore it. Go to the next section for instructions on how to navigate a photostream.

My Contacts

My Contacts shows a list of Flickr members you have searched for.

To view My Contents:

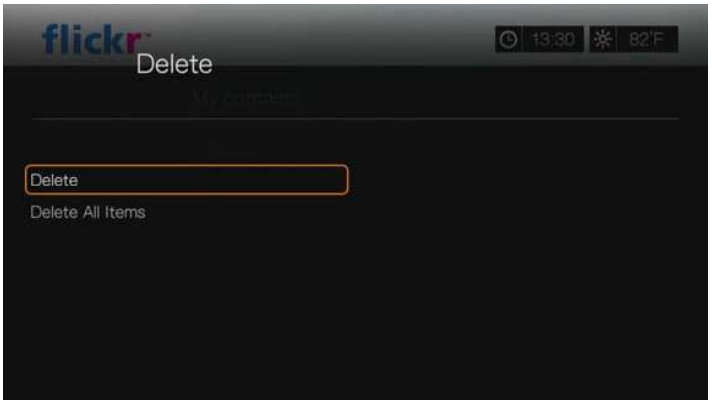
1. Press ◀/▶ to select **My Contents** in the Flickr home screen, then press **OK**.



2. Press ▲/▼ to select a Flickr member you've searched for previously, then press **OK** to view their photos.

EX. 1012
LG Electronics, Inc.

3. To remove a contact from the list, select the contact name and press **Options**. Select **Delete** or **Delete All Items**, then press **OK**.

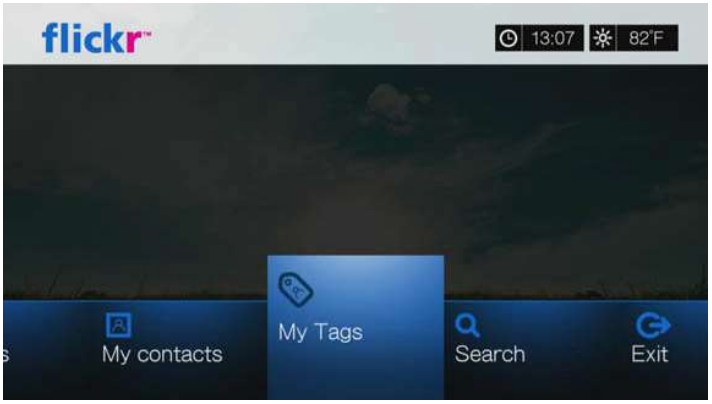


My Tags

My Tags shows a list of Flickr tags you have searched for.

To view My Tags:

1. Press ◀/▶ to select **My Tags** in the Flickr home screen, then press **OK**.

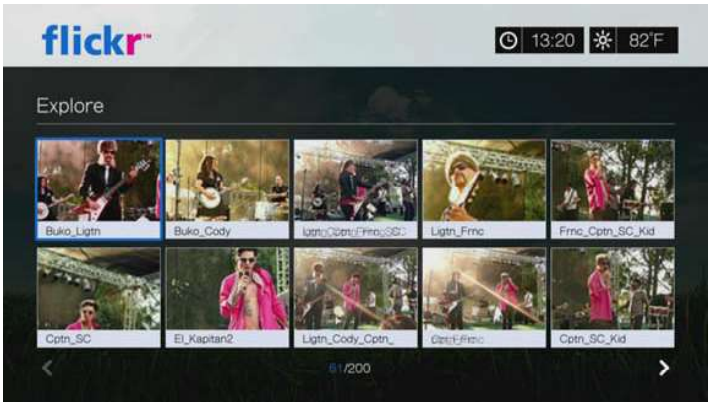


2. Press ▲/▼ to select a tag you've searched for previously, then press **OK** to view the photos associated with the tag.
3. To remove a tag from the list, select the tag and press **Options**. Select **Delete** or **Delete All Items**, then press **OK**.

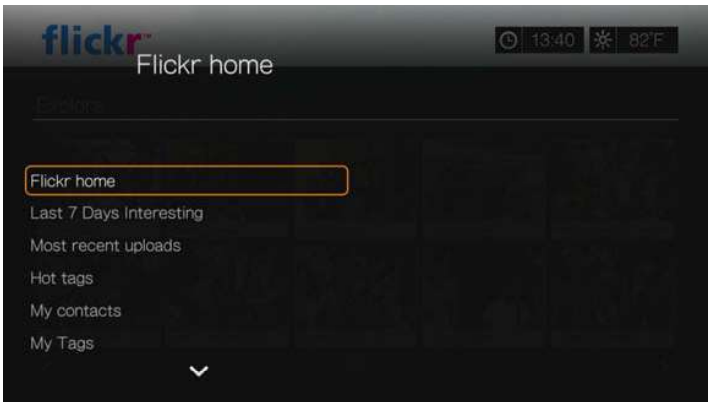
EX. 1012
LG Electronics, Inc.

Flickr Photostream

The Flickr photostream layout is the same as that of a Photos directory in thumbnail mode.



- You can use the navigation buttons ▲▼◀▶ to select content.
- To view content in fullscreen mode, select the file and press **OK**.
- To view a slideshow using all the current photostream's content, press ⏸▶ or **OK**. Contents display in the Flickr Player screen. Go to next section for information.
- To return to the photostream from fullscreen mode, press **Back**.
- To return to the photostream from Player mode, press ■.
- To view all photos in full screen, go to Photo Settings and select Fit to screen (see "Photo Scaling" on page 136).
- While in the photostream layout, press Options to jump back to the Flickr home page or choose any of the Flickr home page menu options.



Flickr Player

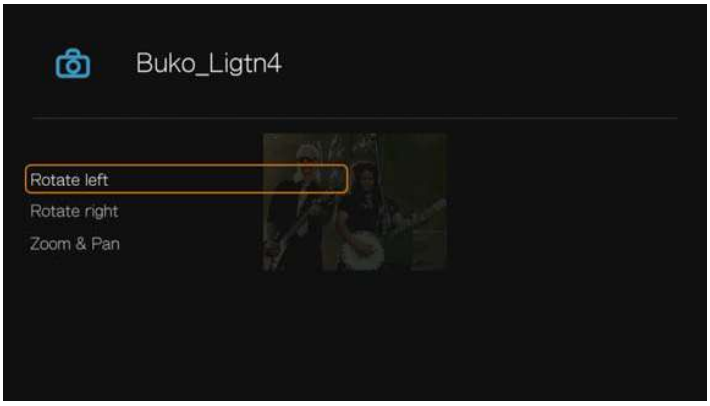
The Flickr Player layout is the same as that of a photo slideshow.

- Press ⏭ to view the next image in the photostream.
- Press ⏮ to view the previous image in the photostream.
- To return to the photostream, press ■.

EX. 1012
LG Electronics, Inc.

Player Options

As with a regular photo slideshow, you can customize the way content is displayed in the Flickr Player. To do this, press **Options**.

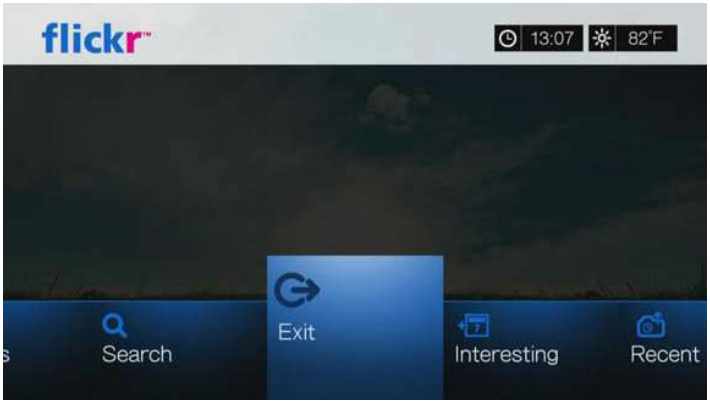


Note: To view photos enlarged in fit to screen or full screen mode, access the Setup menu and follow the instructions under "Photo Scaling" on page 136.

- To rotate the image display, press ▲/▼ and select **Rotate left** or **Rotate right**, then press **OK** repeatedly until the preferred display angle is achieved.
  The display is rotated clockwise or counter-clockwise in 90° increments. Press **Options** or **Back** to revert to the default display angle.
- To change the display's viewing scale, press ▲/▼ and select **Zoom & Pan**, then press **OK**. Press **OK** repeatedly until the preferred viewing scale is achieved. Press **Options** or **Back** to revert to the default viewing scale.
- To pan the display, press ▲/▼ and select **Zoom & Pan**, then press **OK**. Press the navigation buttons ▲▼◀▶ repeatedly until the preferred panned view displays. Press **Options** or **Back** to revert to the default viewing scale.

Exit Flickr

To return to the Services home screen, press ◀/▶ to select **Exit** in the Flickr dashboard, then press **OK**.



EX. 1012
LG Electronics, Inc.

Live365

Use Live365 to create your own online radio station or listen to other Live365 broadcasters' online stations. Music selections are compiled based on user ratings. Some small AM and FM stations also utilize Live365 to stream audio over the Internet.

To access Live365:

1. Navigate to the Home | Services menu bar and press **OK**.
2. The list of Internet services display in alphabetical order. Press ◀/▶ to select Live365, then press **OK**.

   Options include:

   - Stations
   - Last Played
   - My Presets
   - About
   - Exit

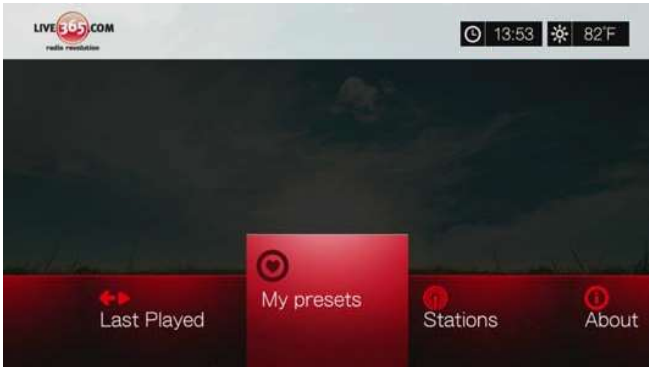
Signing in to Live365 (Optional)

You can start listening to free Live365 stations as an unregistered user, but to enjoy more features like access to recommended stations, saving stations to favorites, securing track information, setting station preferences, and many others, you need to sign up for a Live365 account.

To sign in to Live365:

1. Navigate to the Home | Services menu bar and press **OK**.
2. The list of Internet services display in alphabetical order. Press ◀/▶ to select Live365, then press **OK**.

1. On the Live365 main screen, press ◀/▶ to select **My Presets**, then press **OK**.



EX. 1012
LG Electronics, Inc.

2. Press ▲/▼ to select **Sign In** or **Don't have an account?**, then press **OK**. If you don't have an account, follow the on-screen instructions to create your Live365 account online.



3. Use the navigation buttons ▲▼◀▶ to key in your Live365 user name on the on-screen keyboard. Select **Submit**, then press **OK**.
4. Use the navigation buttons ▲▼◀▶ to key in your Live365 account password on the on-screen keyboard. Select **Submit**, then press **OK**.
5. Press ▲/▼ to select a save option.

Options include:

- **No** – Your account details are not saved. You need to repeat the initial sign-in process every time you use the media player to access the Live365 service.
- **Save username only** – Your user name is saved, but you will be prompted to type in your password every time you use the media player to access the Live365 service.
- **Yes** – Both your user name and password are saved. You are automatically logged in to your account every time you select Live365 from the Services menu bar.

6. Press **OK** to complete the sign-in process. Once you have successfully signed in, the Live365 Home screen appears.

   From this screen you can browse for new stations, access previous stations you've listened to, and define profile preferences for your Live365 account.

To sign up for a Live365 account, go to *http://www.live365.com/wdtv.*

For more information on the features, options, and limitations of using Live365, go to *http://www.live365.com/index.live*.

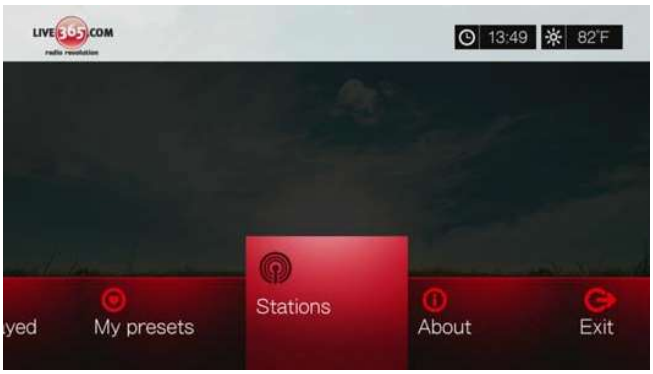
EX. 1012
LG Electronics, Inc.

Listening to a Live365 Station

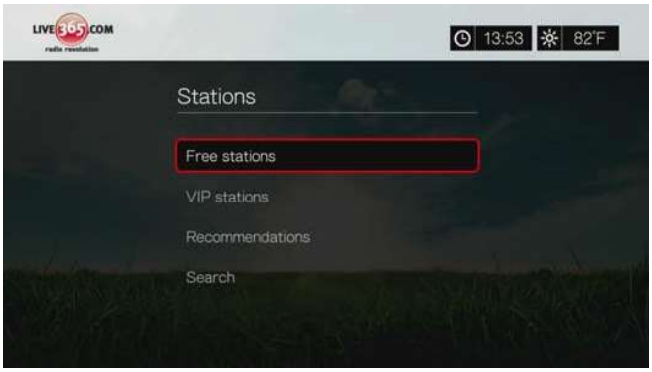
- New Live365 users can browse for a radio station.
- You can access the last station you've listened to if you've already accessed Live365 from the media player.
- Registered Live365 users can access My Preset List and listen to favorite stations.
- Live365 VIP members can listen to premium radio stations.

To browse for a radio station:

1. On the Live365 main screen, press ◀ / ▶ to select **Stations**, then press **OK**.



2. Press ▲ / ▼ to select a station category, then press **OK**.



   Selections include:

   - **Free Stations** – Free Internet radio.
   - **VIP Stations** – Premium, uninterrupted Internet radio for registered and paying Live365 users. You must sign in to your Live365 account and be a valid VIP member before you can access this category. Go to page 98 for more information.
   - **Recommendations** - Free Internet radio recommended by your other Live365 users. You must be signed in to access these stations.
   - **Search** – Search for a Live365 station. Go to page 98 for more information.

3. Press the navigation buttons to select the station you want to listen to. Press **OK**.
4. Press ▲ if you want to add the station to My Presets if you have a Live365 account. Press **OK**.
5. Press ❚❚ ▶ or **OK** to start listening to the selected radio station.

EX. 1012
LG Electronics, Inc.

The Live365 Station screen:

The Live365 station screen provides view and sorting and audio quality filtering options.

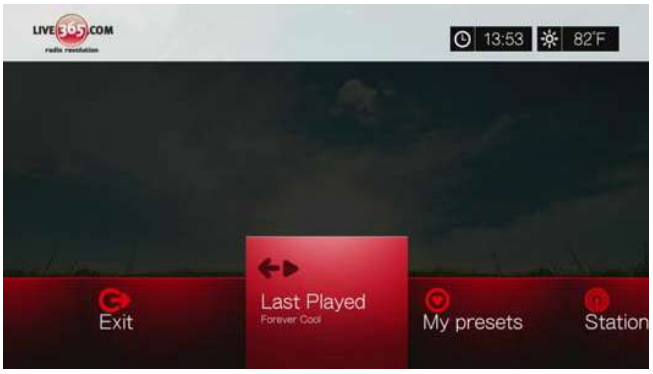
1. Press ▲, select the view icon , and press **OK** to switch between Grid and List views.
2. Press ▲/► to select the sorting and filter icon , and press **OK**.
3. Press ►, then ▲/▼ to select Filter by audio quality. Options include All Stations, Only high (audio quality), Medium to high (audio quality), Low to medium (audio quality), and Only low (audio quality). Press **OK**.
4. Press ►, then **OK** to select the green check mark , then press **OK** again.



5. Select Sorting and repeat the steps above to sort stations either Alphabetically or By Popularity.

To access the last station listened to:

1. On the Live365 main screen, press ◄/► to select **Last played**.

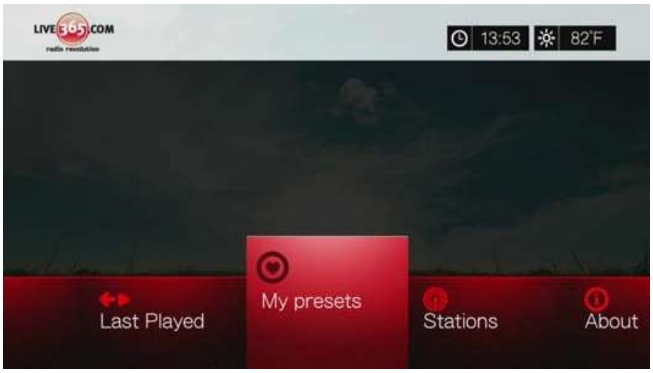


2. Press ❚❚► or **OK** to start listening to the selected radio station.

EX. 1012
LG Electronics, Inc.

To listen to a favorite station:

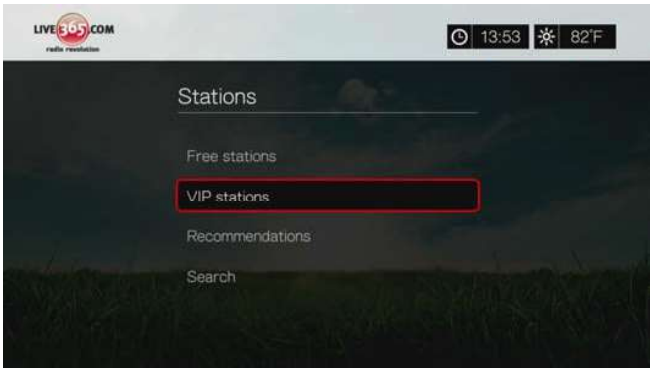
1. On the Live365 main screen, press ◀ / ▶ to select **My Presets**, then press **OK**.



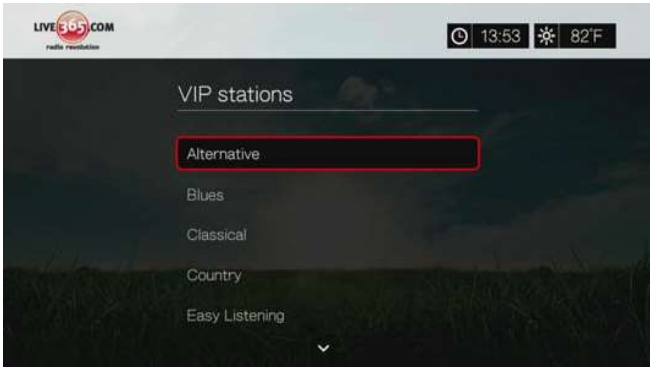
2. Press ◀ / ▶ to select a station from your preset list.
3. Press ❚❚ ▶ or **OK** to start listening to the selected radio station.

To listen to a VIP station:

1. On the Live365 main screen, press ▲ / ▼ to select **Stations**, then press **OK**.
2. Press ▲ / ▼ to select **VIP Stations**, then press **OK**.



3. Press ▲ / ▼ to select a music genre, then press **OK**.



4. Press ▲ / ▼ to select a music sub-genre, then press **OK**.
5. Press ◀ / ▶ to select the station you want to listen to.
6. Press ❚❚ ▶ or **OK** to start listening to the selected radio station.

EX. 1012
LG Electronics, Inc.

Searching for a Live365 station

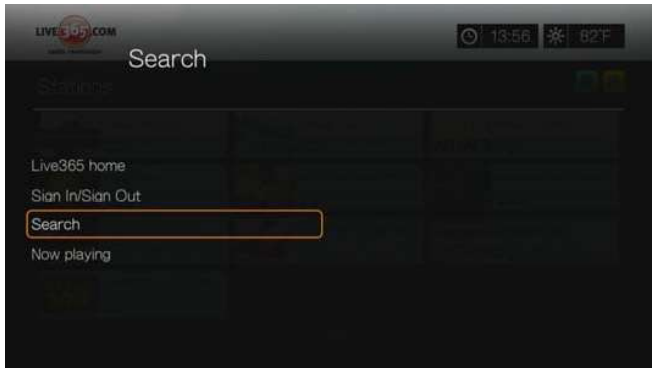
Perform a station search based on the following criteria:

- Artist name
- Track or CD title
- Station information
- Music genre
- Station location
- Audio quality.

You can limit your search based on whether a station has been rated by Live365 editors or if it is a professional, independent, or official station.

To search for a Live 365 station:

1. On the Live365 home screen, select **My Presets**, **Stations**, or **Last Played**, then press **Options**.
2. Press ▲/▼ to select **Search**, then press **OK**.



3. On the on-screen keyboard, use the navigation buttons ▲▼◀▶ to key in a search keyword, then press **OK**.
4. Press ◀/▶ to select a station from the search result.
5. Press ❚❚▶ or **OK** to start listening to the selected radio station.

Displaying the Currently Playing Station

1. On the Live365 home screen, select **My Presets**, **Stations**, or **Last Played**, then press **Options**.
2. Press ▲/▼ to select **Now Playing**, then press **OK**. The station currently playing displays.

Adding a Station to Your Preset List

If you like a particular station, you can add it to your preset list for easier access in the future.

To add a station to your preset list from the Now Playing screen list:

1. Go to the station list showing the station you want to add.
2. Press ◀/▶ to select the station you want to add.
3. Press ▶ several times to enable the ✚ Add to My Preset function, then press **OK**.

EX. 1012
LG Electronics, Inc.

4. A confirmation screen appears. Press **OK** to confirm the new preset station and return to the Now Playing screen.

Removing a Station from Your Preset List

You can remove stations you no longer want from your preset list.

To remove a station from your preset list:

1. Sign in to your Live365 account. Go to “To sign in to Live365:” on page 94 for instructions.
2. From the Live365 home screen, press ◀/▶ to select **My Presets**, then press **OK**.
3. Press ◀/▶ to select the station you want to remove.
4. Press ▲ to enable the Remove Station function, then press **OK**.
5. A confirmation prompt appears. Press **OK** to go back the Now Playing screen.

Providing Song Feedback

Music selections in Live365 are compiled based on their user ratings. You can participate in the selection process by giving a song the “thumbs up” 👍 or “thumbs down” 👎 vote.

To provide song feedback:

1. While the song is playing, press ◀/▶ to select a feedback icon: 👍 for positive feedback, 👎 for negative feedback. Press **OK**.
2. A feedback confirmation screen appears. Press **OK** to go back the the Now Playing screen.

Getting Track Information

You can send the track information of the currently playing song to your email account for later reference.

To secure track information:

1. While the song is playing, press ◀/▶ to select ✉, then press **OK**.
2. A confirmation screen appears. Press **OK** to return to the Now Playing screen.

   The track information will be sent to the email address you used to sign up for your Live365 account.

Signing out from Live365

Sign out of Live365 after a listening session to ensure that nobody can make changes to your Live365 settings and stations without your permission.

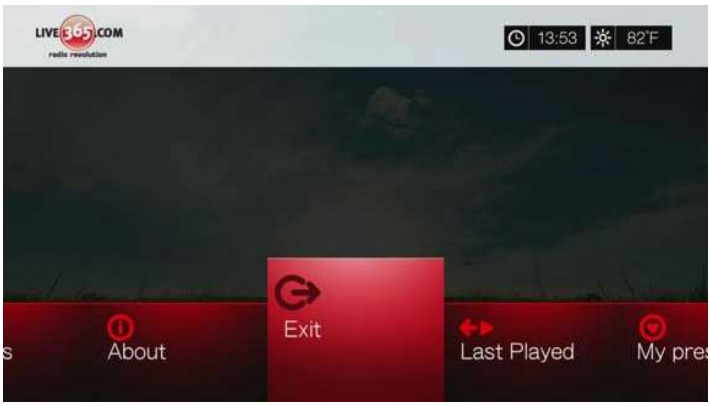
To sign out from Live365:

1. In a Stations or the Now Playing screen, press **Options**, then ▲/▼ to select **Sign In/Sign Out**, then press **OK**.
2. Press ◀/▶ to select **OK** on the confirmation prompt, then press **OK**.

EX. 1012
LG Electronics, Inc.

Exit Live365

To return to the Services home screen, press ◀/▶ to select **Exit** in the Flickr home screen, then press **OK**.



EX. 1012
LG Electronics, Inc.

Mediafly

Mediafly conveniently brings your favorite Internet content and podcasts to your media player from favorite sources like CNN, BBC, NBC, ESPN, WSJ, Fox, NPR, and more. Set up once with Mediafly and enjoy the same content on TVs, smartphones, computers, and beyond. Mediafly is available worldwide; features may vary based on country.

To access Mediafly:

1. Navigate to the Home | Services menu bar and press **OK**.
2. The list of Internet services display in alphabetical order. Press ◀ / ▶ to select Mediafly, then press **OK** to display the Mediafly home screen.

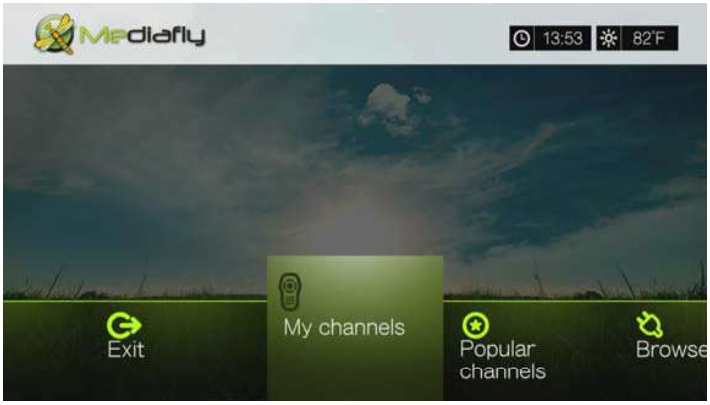
   Options include:

   - My Channels
   - Popular Channels
   - Browse content plug-ins
   - Search
   - Exit

Signing In To Your Mediafly Account

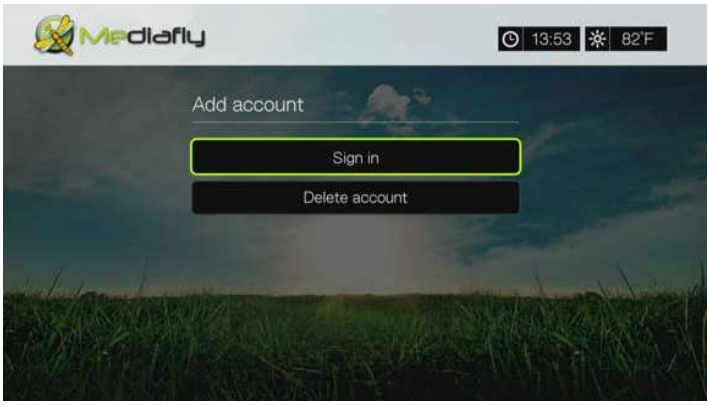
Note: If you do not have a Mediafly account and want to create one, go to *www.mediafly.com/wd.*

1. Navigate to the Home | Services menu bar.
2. Press ◀ / ▶ to select Mediafly, then press **OK.**
3. On the Mediafly home screen, press ◀ / ▶ to select **My Channels**, then press **OK**.



EX. 1012
LG Electronics, Inc.

4. Select **Sign in**, then press **OK**.



5. You are provided with two options to sign in to your Mediafly account.



Option 1: On your computer, go to *www.mediafly.com/wd* and enter the code on your TV screen. Select **Continue**, then press **OK**.

Option 2: Select **Enter User ID**, then press **OK**. Go to steps 6-7.

6. Press **OK**, then use the navigation buttons ▲▼◀▶ to type your Mediafly user name in the on-screen keyboard. Select **Submit**, then press **OK**.
7. Select Password, press **OK**, then sse the navigation buttons ▲▼◀▶ to type your Mediafly account password in the on-screen keyboard. Select **Submit**, then press **OK**.
8. Press OK again with the green check mark selected.

My Channels

1. When you have signed in to Mediafly using one of the methods described above, select **My Channels**, press ▼/▲ to select a podcast category, then press **OK** to display the podcasts you have added to your account in Mediafly.

Note: If you have not added any podcasts, the screen displays "no content found."

2. Press A or navigate to and press **OK**, then ▼/▲ to choose a filter (**Both**, **Audio**, **Video**), then press **OK** twice.
3. Press ▲/▼ to select a podcast from the display.
4. Press ❚❚▶ or **OK** to start watching or listening to the selected podcast.

EX. 1012
LG Electronics, Inc.

Mediafly Player

The Mediafly layout is similar to the regular video playback screen. It displays the playback status bar and the elapsed and total playback times.

- Press **PLAY/PAUSE** to pause and resume playback.
- Press **FF/REV** to fast forward or reverse in 10 second increments.
- Press **NEXT/PREV** to select the next/previous podcast in the channel.

Mediafly Player Options

Press **Options** during playback, then press ▼ / ▲ to select any of the following options:

- Show info
- View episodes
- Rate
- Favorite
- Add to my channel
- Remove from my channel

Show info

1. Press ▼ / ▲ to select **Show info** from the Options screen, then press **OK**.
2. Information about the podcast displays. Press **OK** to return to the Options screen or **Back** to resume watching or listening to the podcast.

View episodes

1. Press ▼ / ▲ to select **View episodes** from the Options screen, then press **OK**.
2. Episodes associated with the podcast display. Press ▼ / ▲ to select a podcast from the list, then press **OK**.

Rate

1. Press ▼ / ▲ to select **Rate** from the Options screen, then press **OK**.
2. Press ◄ / ► to select a rating (one to four stars), then press **OK**. Select **This episode** or **All episodes in this show**, then press **OK.**

Add to my channel

1. Press ▼ / ▲ to select **Add to my channels** from the Options screen, then press **OK.**
2. Select **This episode** or **All episodes in this show**, then press **OK.**

Remove from my channels

1. Press ▼ / ▲ to select **Remove from my channels** from the Options screen, then press **OK.**
2. Select **This episode** or **All episodes in this show**, then press **OK.**

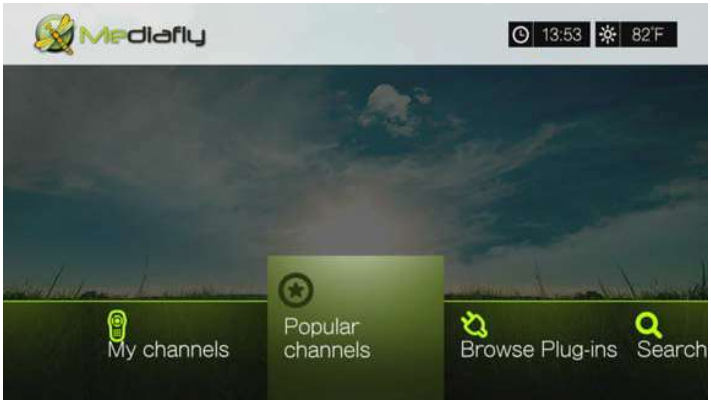
Popular Channels

These are channels deemed most popular by Mediafly users.

EX. 1012
LG Electronics, Inc.

To access Popular Channels:

1. On the Mediafly dashboard, press ◀/▶ to select **Popular Channels**, then press **OK**.

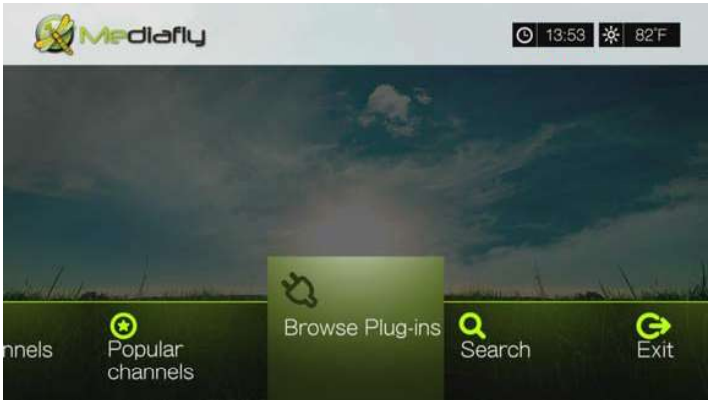


2. Press ▼/▲ to select a Popular channels category, then press **OK**.
3. Press A or navigate to ▣ and press **OK**, then ▼/▲ to choose a filter (**Both**, **Audio**, **Video**), then press **OK** twice.
4. Press ▲/▼ to select a podcast from the display.
5. Press ❚❚▶ or **OK** to start watching or listening to the selected podcast.

Browse content plug-ins

To browse content plug-ins:

1. On the Mediafly dashboard, press ◀/▶ to select **Browse content plug-ins** , then press **OK**.

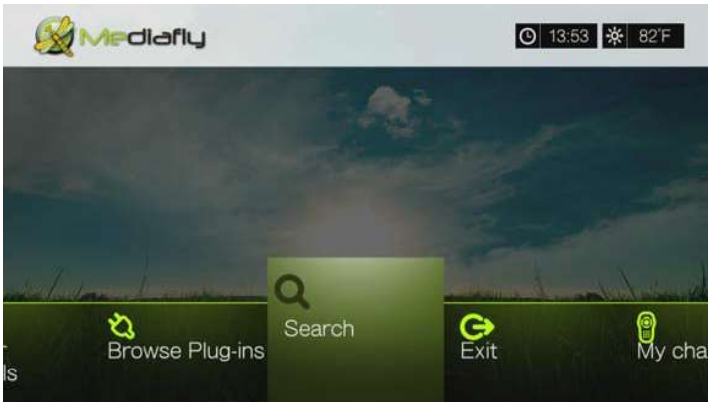


2. Press ▲/▼ to select one of the options in the Media Plug-ins screen, then press **OK**.

EX. 1012
LG Electronics, Inc.

Search

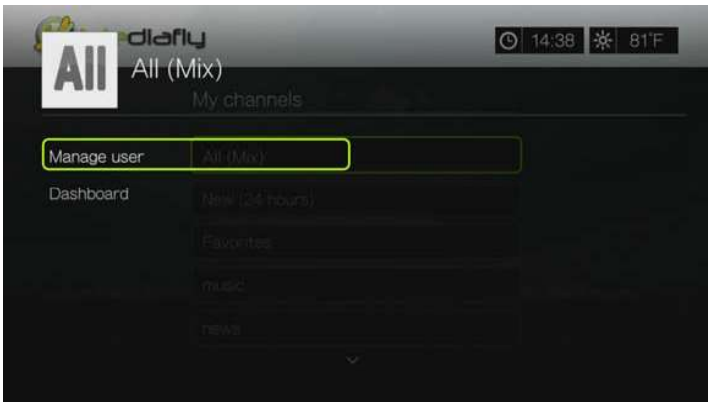
1. On the Mediafly dashboard, press ▲/▼ to select **Search**, then press **OK**.



2. Press ▲/▼ to filter channel results (**Both**, **Audio**, **Video**, **Add Media Plug in via mCode**), then press **OK**.
3. Use the navigation buttons ▲▼◀▶ to type a podcast search using the on-screen keyboard. Press **OK**, then press **OK**.
4. Press ▲/▼ to select a podcast from the display, then press ⏯ or **OK** to start watching or listening to the selected podcast.

Deleting a Mediafly Account

1. On the Mediafly dashboard, press ▲/▼ to select **My Channels**, then press **OK**.
2. Press **Options**, then select **Manage User**. Press **OK**.

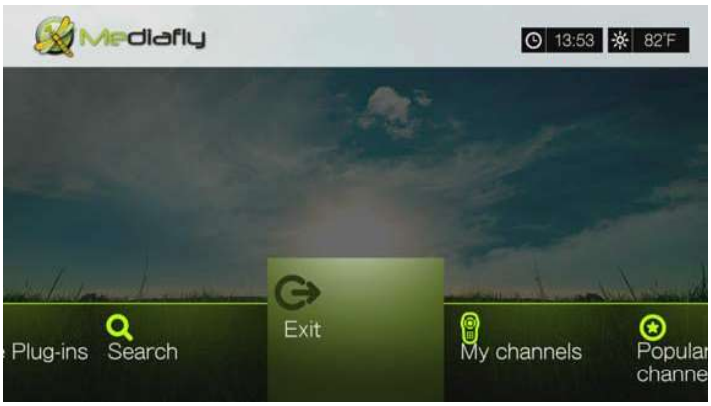


3. Press ▲/▼ to select **Delete account**, then press **OK**.
4. Press ▲/▼ to select the account you want to delete, then press **OK**.
5. Press ◀/▶ to select **OK** on the confirmation prompt, then press **OK**.

EX. 1012
LG Electronics, Inc.

Exit Mediafly

To return to the Services home screen, press ◀/▶ to select **Exit** in the Mediafly home screen, then press **OK**.



EX. 1012
LG Electronics, Inc.

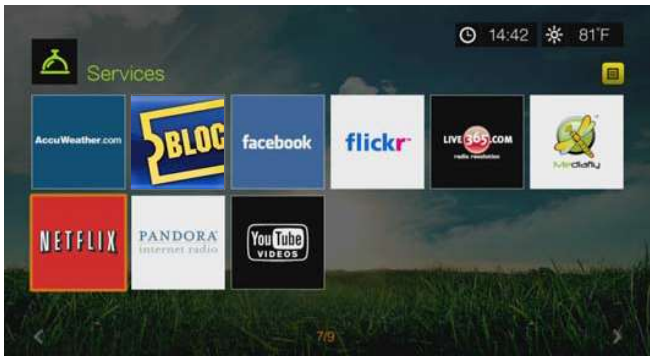
Netflix

Enjoy new releases, classics, and TV episodes instantly on your WD TV Live Hub Media Center. Don't wait for the mailman to deliver your movies and don't settle for streaming to your small computer screen. Access your Netflix unlimited membership and instantly watch TV episodes and movies on your big screen.*

Note: *Netflix unlimited membership required. US only.

To access Netflix:

1. Navigate to the Home | Services menu bar and press **OK**.
2. The list of Internet services display in alphabetical order. Press ◀ / ▶ to select Netflix, then press **OK**.



Activate the Media Player for Netflix

You must activate your media player before you can download movies streamed over the Internet from Netflix.

Existing Netflix Members

1. Go to *www.netflix.com/activate* and enter the on-screen code.
2. Enter your user name (in most cases, your registered email address) and password to log in to your account.
3. Enter the activation code that appears on your TV screen.

After entering the code at *www.netflix.com/activate* and clicking **Activate**, the media player screen displays your Netflix instant queue.

New to Netflix

Follow the on-screen instructions to start your free trial of Netflix.

Netflix Navigation

Once you have accessed your Netflix, navigate using the remote control to choose from a variety of categories of movies and TV shows.

Note: To deactivate Netflix on the media player, reset the device to factory defaults. See "Device Reset" on page 141. To deactivate the media player from your Netflix account, log in to your Netflix account. Navigate to "Your Account & Help." Under "Manage Netflix ready devices and computers" locate the WD TV device and select "Deactivate."

EX. 1012
LG Electronics, Inc.

Pandora

Pandora is an automated music recommendation and Internet radio service. With Pandora, you can input a song title or artist name and the service responds by playing selections that are musically similar. You can provide feedback (approved/not approved) on individual songs, which Pandora takes into account for future selections.

Conditions for Using Pandora

The following conditions must be satisfied before you can use the Pandora service.

- You must have a Pandora account. Go to *www.pandora.com/wd* to create your account. Once you have registered, note your activation code. You will need this code to sign in to Pandora from your media player.
- At present, Pandora is only available for users located in the United States. You must have a US-based network connection.

To set the system language to English:

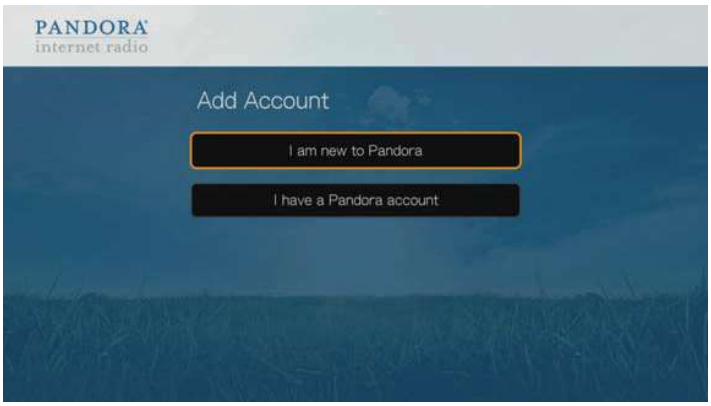
1. Navigate to Home | Setup menu bar.
2. Press ◀ / ▶ to select **Appearance**, then press **OK**.
3. Press ▲ / ▼ to select **Language**, then press **OK**.
4. Press ▲ / ▼ to select **English**, then press **OK**.



EX. 1012
LG Electronics, Inc.

Signing in to Pandora for the First Time

1. Navigate to the Home | Services menu bar and press **OK**.
2. The list of Internet services display in alphabetical order. Press ◀/▶ to select Pandora, then press **OK**.
3. Press **OK** to bring up the Add Account screen.
4. If you already have a Pandora account, choose **I have a Pandora account**, then press **OK** to create your new Pandora account. Proceed to step 6.



5. If you do not have a Pandora account, select **I am new to Pandora**, then press **OK**.
6. Write down the activation code and follow the onscreen instructions (go to *www.pandora.com/wd* to create your new account). When finished, choose **Continue**, then press **OK**.
7. Use the navigation buttons ▲▼◀▶ to type in your Pandora user name using the on-screen keyboard, then press **OK**.
8. Use the navigation buttons ▲▼◀▶ to type in your Pandora account password using the on-screen keyboard, then press **OK**.
9. Press ◀/▶ to select a save option.

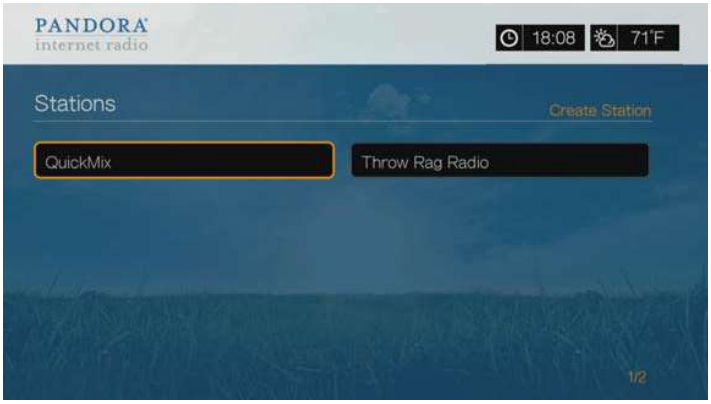
   Options include:

   - **No** – Your account details will not be saved. You need to repeat the initial sign-in process every time you access the Pandora service using the media player.
   - **Save username only** – Your user name is saved, but you will be prompted to type in your password every time you access the Pandora service using the media player.
   - **Yes** – Both your user name and password are saved. You are automatically logged in to your account every time you access the Pandora service using the media player.

10. Press **OK** to complete the sign-in process.

EX. 1012
LG Electronics, Inc.

Once you have successfully signed in to Pandora, the Stations screen appears.



From this screen you can create new stations, start listening to previously created stations and Quickmix playlist, and define profile preferences for your account.

For more information on the features, options, and limitations of using Pandora, go to *http://www.pandora.com*.

Pandora Stations

A Pandora station is a personalized stream of music, based on one or more artist names or song titles of your choice. Once you've signed in to Pandora from your media player, you can easily access your stations from the Music menu bar.

Pandora stations reminders

- You can have up to 100 stations at any one time, plus one QuickMix. Once you reach this maximum number of stations you have to delete a station before you can add another one.
- Pandora does not allow immediate or "on demand" playback of a specific song.
- A Pandora station cannot play more than four songs by an artist in a three-hour period.
- After eight hours of play, Pandora prompts you to see if you're still listening. Streaming stops until you respond.
- The music selection streamed into your Pandora station contains a mix of songs or artists that were compiled based on:
  - the initial station "seed' used in creating that station. Go to the next section for instructions on how to create a new Pandora station.
  - the track feedback (thumbs up / thumbs down) you provide. Go to page 113 for more information.
  - the number of skips assigned to a track. Go to page 113 for more information.
- You cannot reverse or immediately replay the songs played on your Pandora station.

EX. 1012
LG Electronics, Inc.

To create a Pandora station:

1. Navigate to **Create Station** or press **Options** to select **Create station**. Press **OK**.
2. Use the navigation buttons ▲▼◀▶ to type the name of an artist or song title using the on-screen keyboard. Select **Submit**, then press **OK**.
3. Press ▲/▼ to select a listing from the search results, then press **OK**.

   The listing you selected will serve as the station 'seed' for Pandora to compile and stream music similar to your station.

To listen to a Pandora station:

1. On the **Stations** screen, use the navigation buttons to select the name of the station you want to listen to.
2. Press ⏯ or **OK** to start listening to the selected Pandora station. Press **NEXT** ⏭ to go to the next song.

To tune in to another station:

1. While listening to a station, press **STOP** ■. You are returned to the Stations screen.
2. Use the navigation buttons to select the name of the station you want to switch to.
3. Press ⏯ or **OK** to start listening to the selected station.

To rename a Pandora station:

1. Tune in to the station you want to rename.
2. Navigate to **Rename Station** or press **Options** then ▲/▼ to select **Rename this station**. Press **OK**.



3. Use the navigation buttons ▲▼◀▶ to key in a new station name using the on-screen keyboard. Select **Submit**, then press **OK**.

To delete a Pandora station:

1. Tune in to the station you want to delete.
2. Navigate to **Delete Station** or press **Options** then ▲/▼ to select **Remove this station**. Press **OK**.
3. Press ◀/▶ to select **OK** on the confirmation prompt, then press **OK**.

EX. 1012
LG Electronics, Inc.

QuickMix

QuickMix is a feature that allows you to listen to more than one of your stations at once. QuickMix will play only one song based on particular musical characteristics at a time (unlike regular Pandora stations, which play four related songs in a row), so the mood changes more often.

Providing Song Feedback

You can influence the music selection that is streamed into your Pandora station by providing track feedback for the song currently playing. You can give a song a “thumbs up” or a “thumbs down” vote.

Thumbs up

If you like the currently playing song, give it a thumbs up vote. This positive feedback means:

- The very next set of songs for this station will be generated using the song you’ve given a “thumbs up” vote to as a musical starting point.
- Future sets of songs are likely to have similar musical traits. Multiple “thumbs up" votes on this station for other similar songs will have a cumulative effect.
- This song will play somewhat more often than other songs on this station's potential playlist, and will play about as often as other songs that have received a "thumbs up" on this station.

Thumbs down

If you don't want to hear a song on a particular station, give it a thumbs down vote. This negative feedback means:

- The song will stop playing, if there are any of the remaining "six skips per hour" available on that particular station (this limit is per station, on a rolling per-hour basis).
- The song will be permanently removed from that particular station's playlist.
- A new set of songs with a different musical emphasis will begin to play.
- If you’ve given at least two “thumbs down” vote to a specific artist on that particular station, songs from that artist will no longer be included in that station’s playlist.

To provide song feedback:

- While a song is playing, press ◄/► to select 👍 or 👎, then press **OK**.
  A prompt to confirm your vote appears.

Putting a Song to Sleep

When you want to stop listening to song, but not permanently remove it from a station’s playlist, you put it to “sleep.” This prevents the song from playing on any of your stations for 30 days.

To put a song to sleep:

- While a song is playing, press ◄/► to select 💤, then press **OK**.
  A prompt to confirm the “sleep” action appears.

EX. 1012
LG Electronics, Inc.

Bookmarking a Song or Artist

You have the option to bookmark a song or an artist for later reference. You can later refer to this bookmark if you want buy the track when you've sign in to Pandora from your computer or mobile computing device, or if you want to share your musical preferences with other Pandora users.

To bookmark a song or artist:

1. While a song is playing, press ◄ / ► to select , then press **OK**.
2. Press ▲ / ▼ to select whether to bookmark the song title or the song artist, then press **OK**.

   The new bookmark is added to your listener profile page. Sign in to Pandora from your computer or mobile computing device to view this profile page.

Why a Song is in my Station's Playlist

You can see why Pandora included a particular song in your station's playlist. While a song is playing, select **Why this song?**, then press **OK**. The song analysis displays.

Deleting a Pandora Account

1. Select Pandora from the Services menu then press **OK**.
2. Press ▲ / ▼ to select the Pandora account you want to delete, then press ► to select the and press **OK**.

EX. 1012
LG Electronics, Inc.

YouTube

YouTube is a video hosting website where you can upload and share videos.

To access YouTube:

1. Navigate to the Home | Services menu bar and and press **OK**.
2. The list of Internet services display in alphabetical order. Press ◀ / ▶ to select YouTube, then press **OK** to display the YouTube home screen.

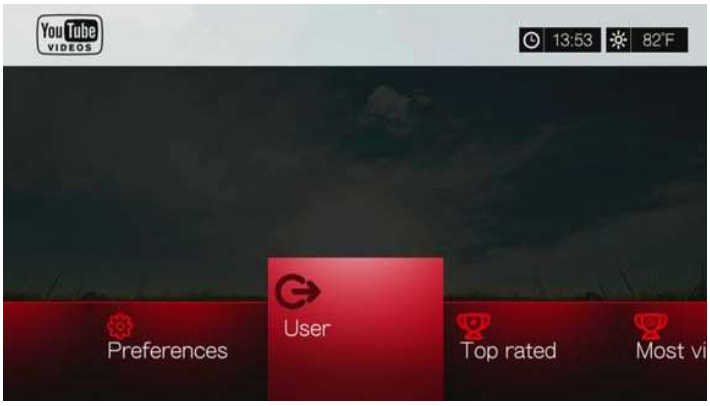
   Options include:

   - User
   - Search
   - Top Favorites
   - Featured
   - Most Popular
   - Most Viewed
   - Top Rated
   - Preferences

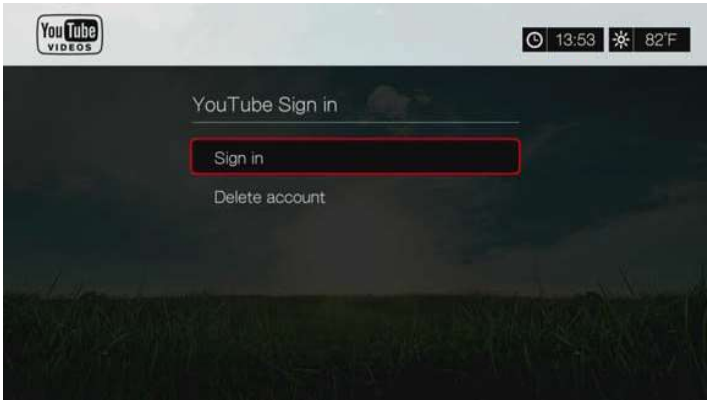
Signing In To Your YouTube Account

Note: If you do not have a YouTube account and want to create one, go to *www.youtube.com*.

1. Press ◀ / ▶ to select **User** in the YouTube home screen, then press **OK**.



2. Select **Sign in**, then press **OK**.



EX. 1012
LG Electronics, Inc.

3. Use the navigation buttons ▲▼◀▶ to type your YouTube user name in the on-screen keyboard. Select **Submit**, then press **OK**.
4. Use the navigation buttons ▲▼◀▶ to type your YouTube account password in the on-screen keyboard. Select **Submit**, then press **OK**.
5. Press ▲/▼ to select a save option. Press **OK** when finished.

   Options include:

   - **No** – Your account details are not saved. You need to repeat the initial sign-in process every time you access YouTube using the media player.
   - **Save username only** – Your username is saved, but you will be prompted to input your password every time you access YouTube using the media player.
   - **Yes** – Both your user name and password are saved. You can later sign in to your account from the YouTube Login screen.
6. The **My favorites** page appears. Go to the next section for more information on this page.

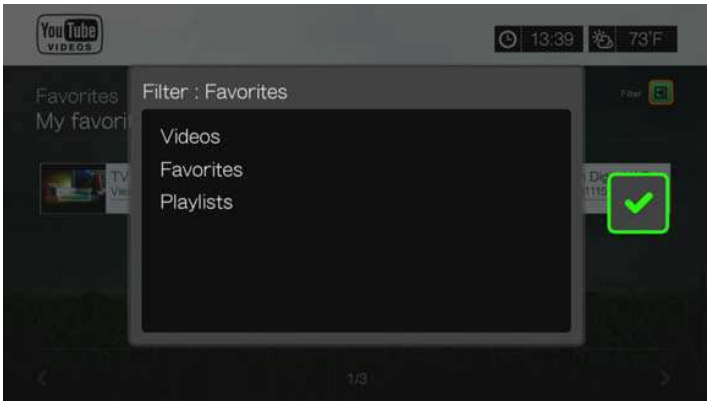
Account

By default, the **My favorites** page displays first when you sign in to your account. These are the videos you have saved as favorites in YouTube.



Note: If you have not favorited any videos, the screen displays "no content found."

This page also contains links to your uploaded videos (Videos) and video playlists (Playlists). Press A or navigate to the Filter icon, and press **OK**, then press ▲/▼ and **OK** twice to switch that selection.



EX. 1012
LG Electronics, Inc.

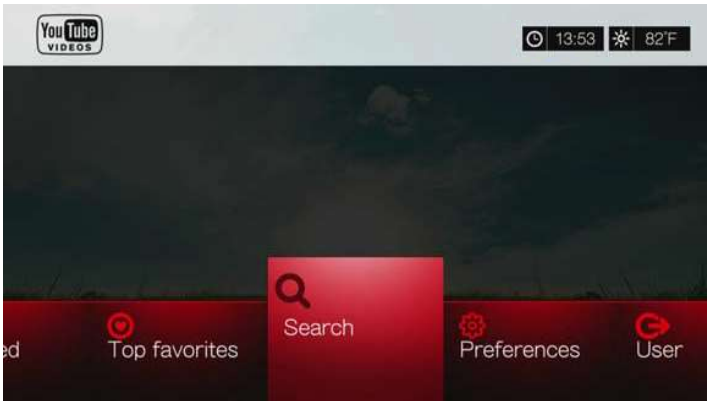
Searching for Videos

You can search YouTube for videos of particular interest to you. The search results are based on the tags associated with uploaded videos. The media player saves your searches so you can quickly recall them.

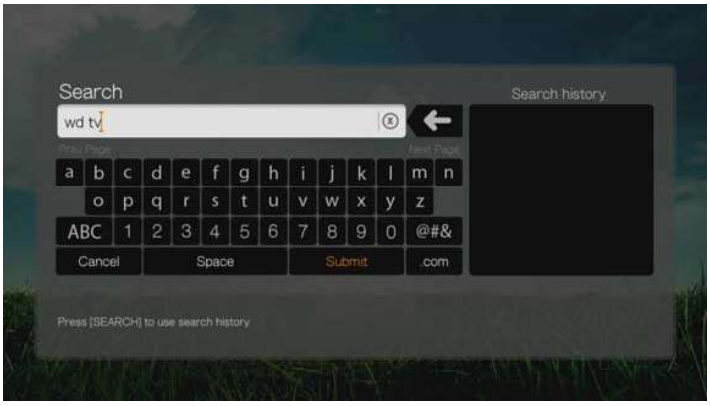
Note: Videos that are tagged "private" by users do not appear in search results.

To search for videos:

1. Press ◀/▶ to select **Search** in the YouTube home screen, then press **OK**.

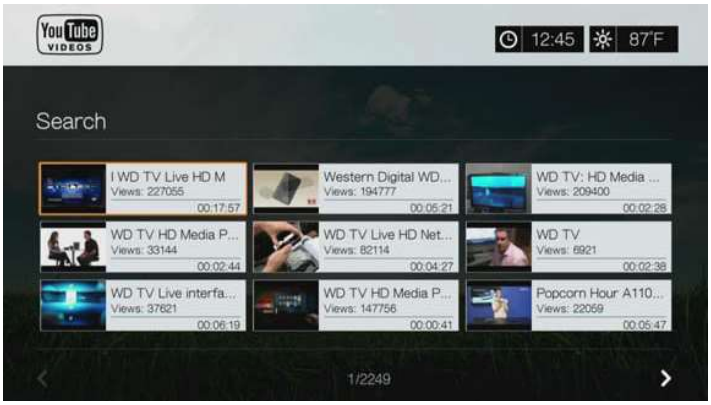


2. Use the navigation buttons ▲▼◀▶ to type a keyword related to the subject matter of the video you're looking for using the on-screen keyboard. Select **Submit**, then press **OK**.



EX. 1012
LG Electronics, Inc.

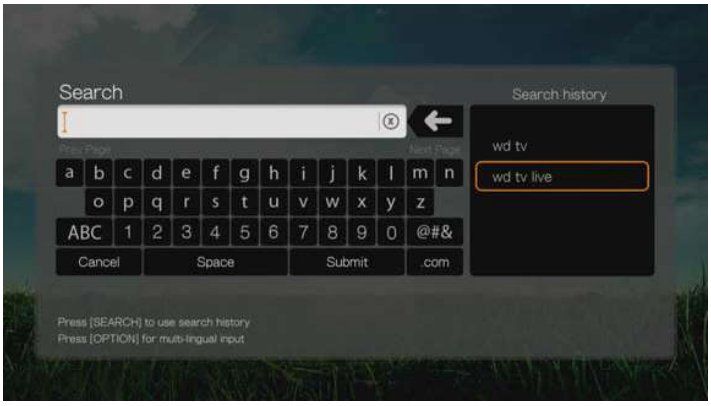
The video search begins (this may take a few seconds). Videos matching your search word appear in a Search result screen.



3. Use the navigation buttons to select a video from the display.
4. Press ⏯ or **OK** to start watching the selected video.
   Go to page 122 for more information on using the YouTube Player.

To use search history:

1. Press the **SEARCH** 🎤 button on the remote control. This toggles you to the Search History list.



2. Press ▲ / ▼ to select a search from the display.
3. Press **OK** to perform the saved search.

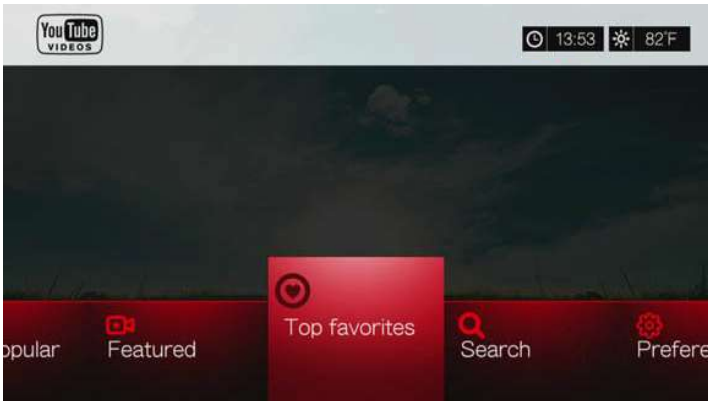
EX. 1012
LG Electronics, Inc.

Top Favorites

These are videos tagged as favorites by the majority of YouTube users.

To access Top Favorites:

1. Press ◀/▶ to select **Top Favorites** in the YouTube home screen, then press **OK**.



2. The list of top favorite videos display. To refine this list, press ▲/▶ to select , and press **OK**.
3. Press ▲/▼ to choose from **Today**, **This week**, or **This month**, then press **OK**.
4. Press the navigation buttons to select a video from the display, then press ❚❚▶ or **OK** to start watching the selected video.

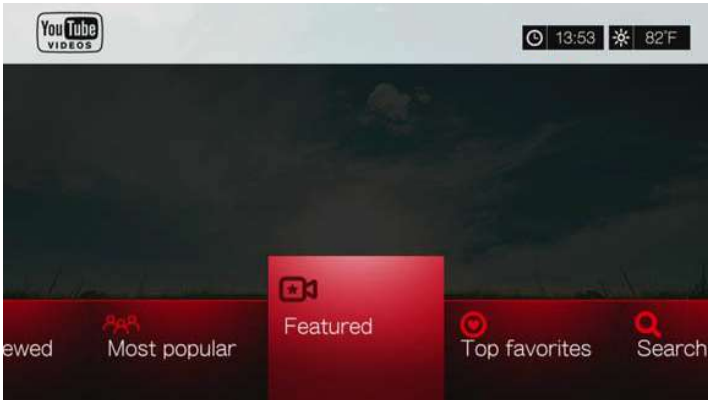
Go to page 122 for more information on using the YouTube Player.

Featured Videos

This video category is primarily populated with videos from YouTube's commercial partners, but might also include select user videos that are currently popular or have been previously showcased in YouTube's Spotlight Videos section.

To access Featured Videos:

1. Press ◀/▶ to select **Featured** in the YouTube home screen, then press **OK**.



2. Press the navigation buttons to select a video from the displayed selection.
3. Press ❚❚▶ or **OK** to start watching the selected video.

Go to page 122 for more information on using the YouTube Player.

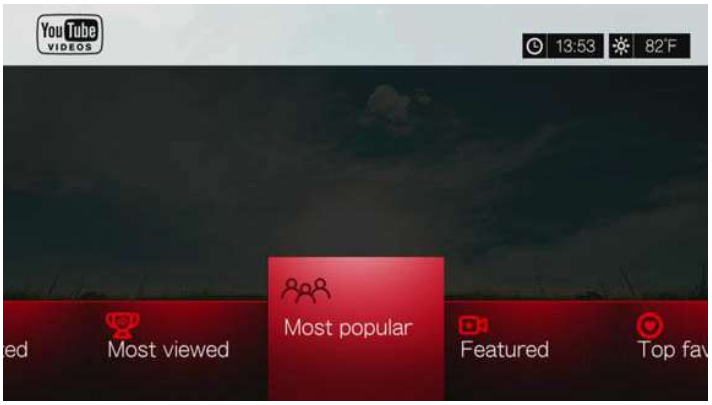
EX. 1012
LG Electronics, Inc.

Most Popular

These are videos deemed most popular by YouTube users.

To access Most Popular:

1. Press ◀/▶ to select **Most Popular** in the YouTube home screen, then press **OK**.



2. The list of most popular videos display. To refine this list, press ▲/▶ to select , and press **OK**.
3. Press ▲/▼ to choose from **Today**, **This week**, or **This month**, then press **OK**.
4. Press the navigation buttons to select a video from the display, then press ❚❚▶ or **OK** to start watching the selected video.

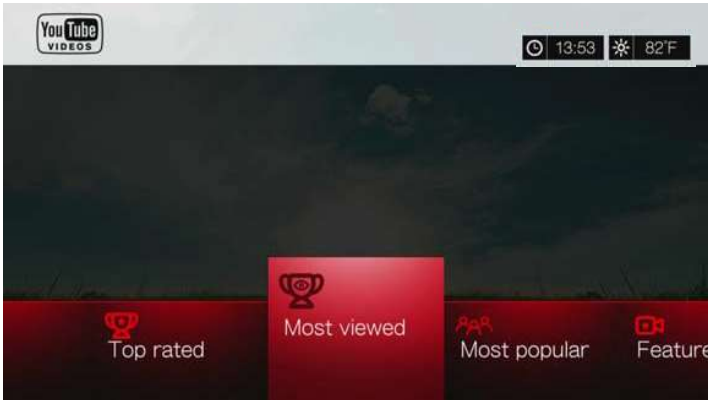
   Go to page 122 for more information on using the YouTube Player.

Most Viewed

These are videos most viewed by YouTube users.

To access Most Viewed:

1. Press ◀/▶ to select **Most Viewed** in the YouTube home screen, then press **OK**.



2. The list of most viewed videos display. To refine this list, press ▲/▶ to select , and press **OK**.
3. Press ▲/▼ to choose from **Today**, **This week**, or **This month**, then press **OK**.
4. Press the navigation buttons to select a video from the display, then press ❚❚▶ or **OK** to start watching the selected video.

   Go to page 122 for more information on using the YouTube Player.

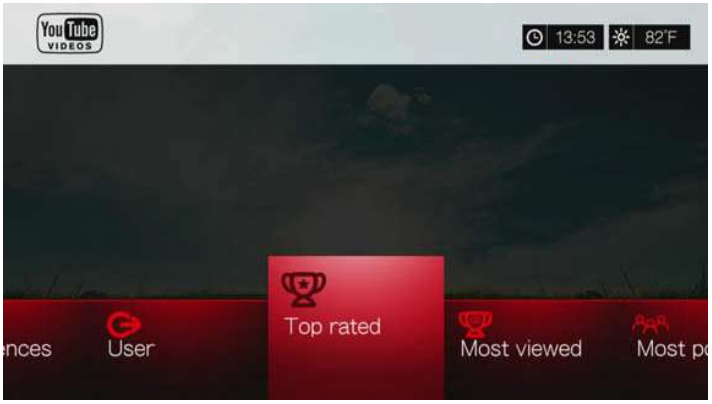
EX. 1012
LG Electronics, Inc.

Top Rated

These are videos with the highest ratings from YouTube users.

To access Top Rated:

1. Press ◀/▶ to select **Top Rated** in the YouTube home screen, then press **OK**.

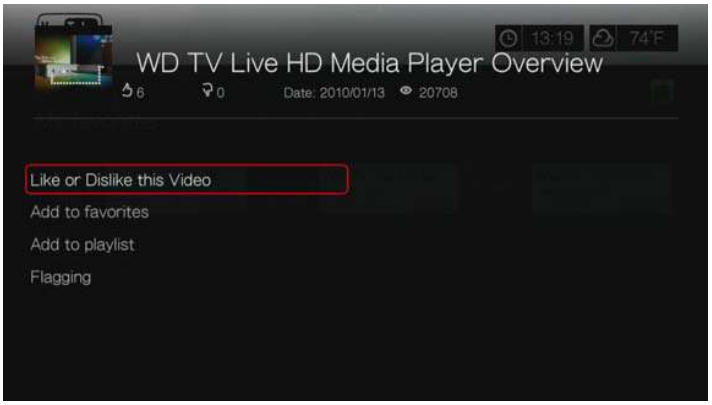


2. The list of most viewed videos display. To refine this list, press ▲/▶ to select , and press **OK**.
3. Press ▲/▼ to choose from **Today**, **This week**, or **This month**, then press **OK**.
4. Press the navigation buttons to select a video from the display, then press ▮▮▶ or **OK** to start watching the selected video.

Go to page 122 for more information on using the YouTube Player.

YouTube Options

When you select a video in any of the YouTube submenu screens described above (i.e., User > My Favorites, Search, Top Favorites, Featured Videos, Most Popular, Most Viewed, and Top Rated), pressing **Options** brings up the following screen:



- **Like or Dislike this Video** - see “Like or Dislike Videos” on page 124.
- **Add to favorites** - see “Adding Videos to Favorites” on page 125.
- **Add to playlist** - see “Adding Videos to a Playlist” on page 125.
- **Flagging** - use this option to flag a video for inappropriate content.

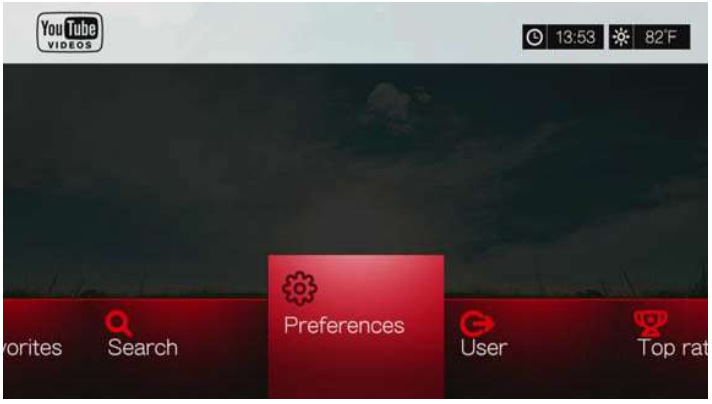
EX. 1012
LG Electronics, Inc.

Preferences

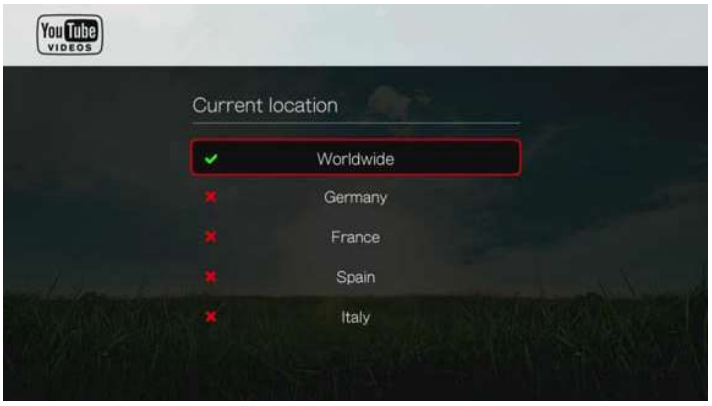
Preferences allows you to choose which country's content (videos and channels) you would like to view without changing the language of the site.

To access Preferences:

1. Press ◀ / ▶ to select **Top Rated** in the YouTube home screen, then press **OK**.



2. **Current location** is highlighted. Press **OK**.
3. Press ▲ / ▼ to select a country from the list, then press **OK**.



EX. 1012
LG Electronics, Inc.

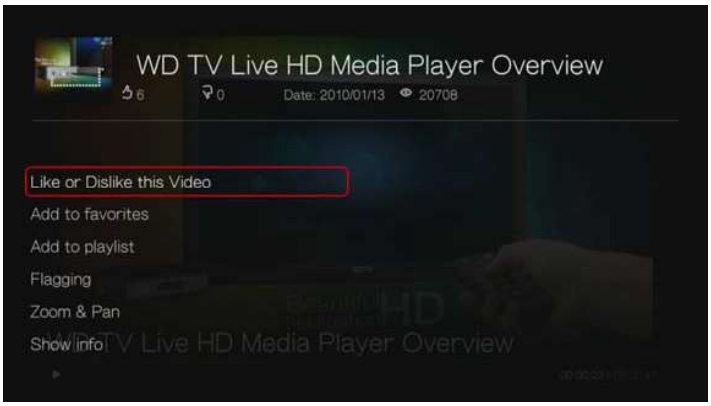
YouTube Player

The YouTube Player layout is similar to the regular video playback screen. It displays the playback status bar and the elapsed and total playback times. Press ⏸▶ to pause and resume playback. Press ▶▶ or ◀◀ to fast forward or reverse in 10 second increments.



YouTube Player Options

As with a regular video playback screen, you can the customize the way content displays in the YouTube Player. To do this, press **Options**.

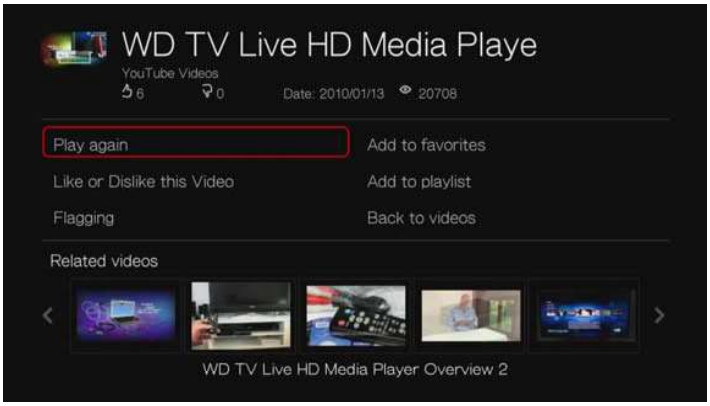


- **Like or Dislike this Video** - see “Like or Dislike Videos” on page 124.
- **Add to favorites** - see “Adding Videos to Favorites” on page 125.
- **Add to playlist** - see “Adding Videos to a Playlist” on page 125.
- **Flagging** - use this option to flag a video for inappropriate content.
- **Zoom** - To change the display’s viewing scale, press ▲/▼ and select **Zoom & Pan**, then press **OK**. Press **OK** repeatedly until the preferred viewing scale is achieved. Press **Options** or **Back** to revert to the default viewing scale.
- **Pan** - To pan the display, press ▲/▼ and select **Zoom & Pan**, then press **OK**. Press the navigation buttons ▲▼◀▶ repeatedly until the preferred panned view displays. Press **Options** or **Back** to revert to the default viewing scale.
- **Show info** - use this option to view detailed information about the video if present.

EX. 1012
LG Electronics, Inc.

Related Videos

After video playback, the Related Videos screen appears. At the top of the screen, the video rating (number of highlighted “stars”), upload date, and the number of times it has been viewed display.



WD TV Live HD Media Player Overview 2

This screen lists videos which might be related to recently played video by subject matter, making it easier to search for videos based on the same or similar subject. Press the navigation buttons to select a video from the list, then press ▮▮ ▶ or **OK** to start watching the selected video.

The other options on this screen allow you to:

- Replay the recently playbacked video – Play Again
- Add the video to your My Favorites list – Add to Favorites
- Flag the video as having inappropriate content - Flagging
- Provide video feedback – Like or Dislike this Video
- Add the video to your My Playlists list – Add to Playlist
- Return to the last video selection page – Back to Videos

Press the navigation buttons to select an option, then press **OK**.

Like or Dislike Videos

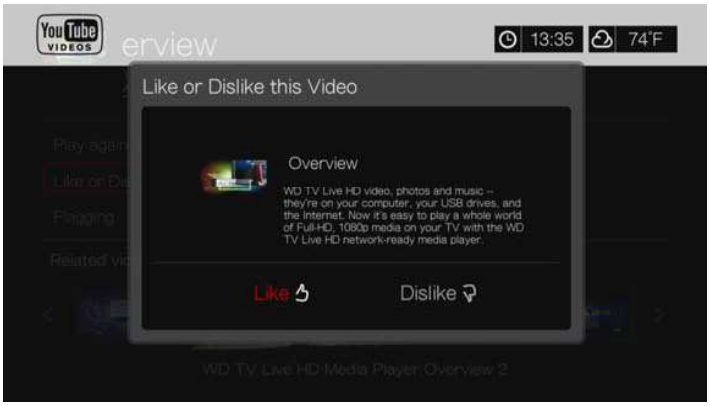
You can rate videos on a basis of “Like” or “Dislike” during or after video playback.

Note: You must signed in to your YouTube account to like or dislike videos. See “Signing In To Your YouTube Account” on page 115 for sign-in instructions.

1. During playback, press **Options**, select **Like or Dislike this Video**, then press **OK,** or select **Like or Dislike this Video** in the Related Videos screen.

EX. 1012
LG Electronics, Inc.

2. Press ◀ / ▶ to select **Like** or **Dislike**, then press **OK**.



3. Your video rating is confirmed. Press **OK** to go back to the Player screen.

Adding Videos to Favorites

If you enjoyed a particular video or simply want to refer to it later, you can tag it as a "favorite" to add it to your My Favorites list. Once added, you can keep track of this video.

To add a video to My Favorites from the Related Videos screen:

1. On the Related Videos screen of the video you want to add as a favorite, press ▲ / ▼ to select **Add to Playlist**, then press **OK**.
2. Press **OK** at the confirmation prompt.

Note: You can also press **Options** when playing a video and select **Add to favorites**.

Adding Videos to a Playlist

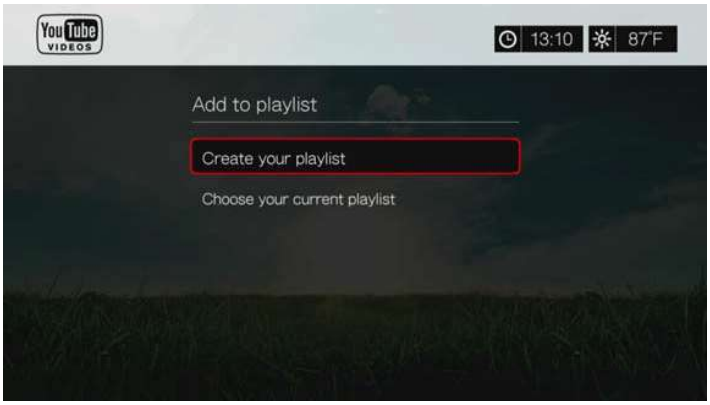
Use this option if you enjoyed a particular video and want to add it to one of your playlists.

To add a video to My Favorites from the Related Videos screen:

1. On the Related Videos screen of the video you want to add as a favorite, press ▲ / ▼ to select **Add to Favorites**, then press **OK**.

EX. 1012
LG Electronics, Inc.

2. Press ▲/▼ to select **Create your playlist** (to create a new playlist) or **Choose your current playlist**.



3. If you choose **Create your playlist**, enter the name of your new playlist using the on-screen keyboard. Select **Submit**, then press **OK**. If you choose **Choose your current playlist**, press **OK**.

Note: You can also press **Options** when playing a video and select **Add video to favorites**.

Deleting a YouTube Account

To delete a YouTube account from the media center:

1. Press ◄/► to select **Users** in the YouTube home screen, then press **OK**.
2. Press ▲/▼ to select **Delete account**, then press **OK**.
3. Press ▲/▼ to select the account you want to delete, then press **OK**.
4. Press ◄/► to select **OK** on the confirmation prompt, then press **OK**.

Restricted Video Content

Some videos on YouTube are restricted by the content owner from playback via TV-connected devices. If you attempt to play one of these videos, press **OK** to return to the previous screen.

Encoding Support for YouTube Worldwide

Many YouTube videos are encoded in a language other than the one you set as your media player's system language. In some cases, this results in garbled characters in the video ID or even playback failure. If this is the case, you need to enable the encoding support for the language that is causing the error.

To set the media player's additional encoding setting:

1. Navigate to Home | Setup menu bar.
2. Press ▲/▼ to select **System**, then press **OK**.
3. Press ▲/▼ to select **Additional Encoding Support**, then press **OK**.

EX. 1012
LG Electronics, Inc.

4. Press ▲/▼ to select the encoding support you require, then press **OK**.



EX. 1012
LG Electronics, Inc.

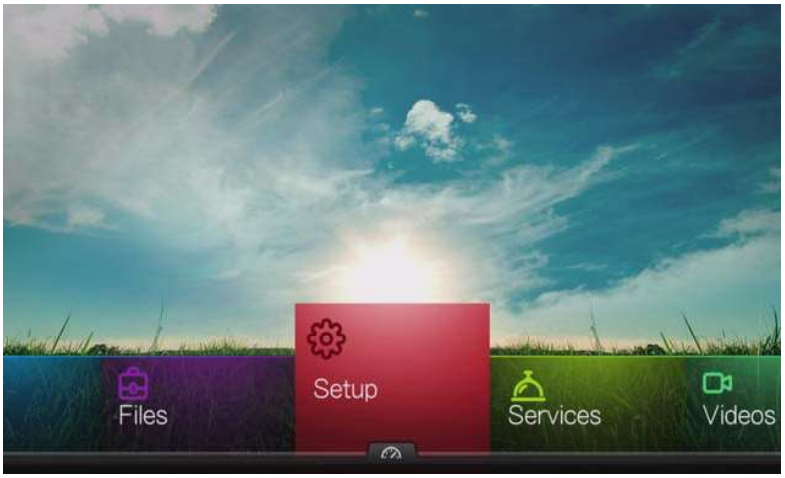
13

Setup and Advanced Features

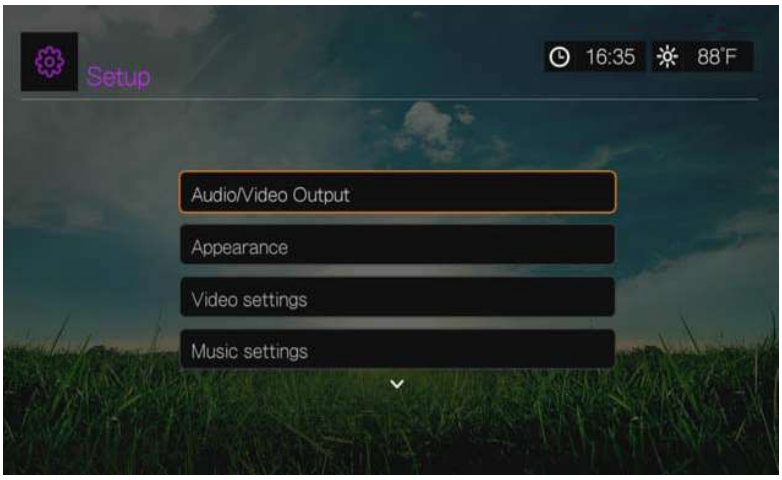
The Setup menu lets you customize the way you use the media center and set preferences for media playback.

To select a Setup category:

1. Press **Setup**, or navigate to the Home | Setup menu and press **OK**.



2. Use the ▲▼ Up/Down arrows to select a Setup category, then press **OK**.



There are 9 Setup categories, including:

- Audio/Video Output
- Appearance
- Video settings
- Music Settings
- Photo settings
- Network settings
- Operation
- System
- About Mochi®

EX. 1012
LG Electronics, Inc.

Setup Navigation Buttons

Use these buttons on the remote control to navigate within and between the Settings screens.

Button	Function
▲▼ Up/Down arrows	• Select a menu • Select a menu setting in an option screen
OK	Displays the option screen for the selected menu
1. Press **OK**. A confirmation prompt appears. 2. Select **OK**, then press **OK**. If you fail to select **OK** within 15 seconds, the new setting will not be applied. If your entertainment unit cannot support the selected setting, no change is made and the original setting is retained.	Applies the selected menu setting
Back	Displays the previous menu screen

Audio/Video Output

Use the menus in this category to configure playback for audio and video files.



Video Output

Use this menu to select a video signal. After you finish making your selections, select **OK** at the "Are you sure you want to change the video resolution?" prompt, then press **OK**.

Composite

When using the standard RCA A/V cable (yellow, red, and white connectors) to connect the media center, select **Composite** in the Video output screen.

EX. 1012
LG Electronics, Inc.

You will be prompted to select the TV standard applicable to your device. This setting depends on your regional location.

Options include:

- **NTSC** – United States, Canada, Japan, Mexico, the Philippines, South Korea, and Taiwan.
- **PAL** – Europe, Greenland, parts of Africa and South America, the Mideast, China, India, Australia, and Indonesia

Select a regional TV standard then press **OK**.

Component

When using the YPbPr cable (green, blue, and yellow connectors) to connect the media center, select **Component** in the Video output screen.

You will be prompted to select the video display resolution (from 480p to 1080i). Select display resolution then press **OK**.

Note: The further down the list the setting, the higher the resolution and clearer the picture.

HDMI

When using an HDMI cable (if your TV supports HDMI resolution), select **HDMI** in the Video output screen.

You will be prompted to select the applicable HDMI video resolution (set to Auto, or from 480p to 1080p). Select display resolution then press **OK**.

Note: The further down the list the setting, the higher the resolution and clearer the picture.

After setting resolution, you are prompted to select color space (set to Auto, or RGB High, RGB Low, or YCbCr). Select color space then press **OK**.

HDMI Deep Color Mode

Use this menu to increase the number of HDMI deep color bits available for transmission for each channel. A higher number of bits means there are more shades available for a television monitor to mix together. The default setting is **8 bit** which is compatible with most televisions. However, you can select the higher color depth of **12 bit** if your television supports HDMI 1.3 or higher. 12 bit provides a better color experience than 8 bit if your television is compatible.

Note: 12 bit color is not compatible with all screens. If you select 12 bit color and your TV is not compatible, display will be garbled. Wait 30 seconds and the media center will automatically default back to 8 bit.

Aspect Ratio

Use this menu to select the way videos are displayed. Options include:

- **Normal** (4:3)
- **Widescreen** (16:9)

EX. 1012
LG Electronics, Inc.

The media center's default setting is **Widescreen**. Make sure your TV can support widescreen resolution, or this default setting can result in a distorted video display.

Audio Output

Use this menu to select the audio output mode.

Options include:

- **Stereo 2.0** (Analog, S/PDIF, HDMI) - This is the default setting that decodes all audio streams into 2-channel output via analog (RCA connectors), S/PDIF (optical connector), or HDMI. Recommended if you are using a 2- or 4-speaker entertainment unit.
- **Digital Pass Through** (S/PDIF, HDMI) - Select this option if you are using a S/PDIF (optical) or HDMI connection to output 5.1 surround sound.
- **Digital Pass Through via Optical Only** (S/PDIF) - Select this option if you are using HDMI for video and a S/PDIF (optical) connection to output 5.1 surround sound and do not want audio output from HDMI.

Appearance

Use the menus in the Appearance screen to set user interface display options for the media center.



Language

Press ▲/▼ to select the display language, then press **OK**.

Video Calibration

Use this menu to correct any issues with overscan (the display is cropped in the TV screen). To correct any overscan problems, calibrate the display by reducing the display size by up to 30%. The calibration settings are in 5% increments.

User Interface Themes

The media center supports interchangeable user interfaces called themes. Themes alter the player's visual appearance, but not its functionality. There are several themes available in the User Interface Themes page and available for download at *http://www.wdtvlive.com/theme*.

EX. 1012
LG Electronics, Inc.

User Interface Backgrounds

You can use this menu to set a different photo as the system background to replace the default grass field and sunny sky photo. You can choose from the WD Creative Masters backgrounds or your own backgrounds.



WD Creative Masters

WD Creative Masters includes themed albums of photos from leading photographers that you can use for your media center user interface background.

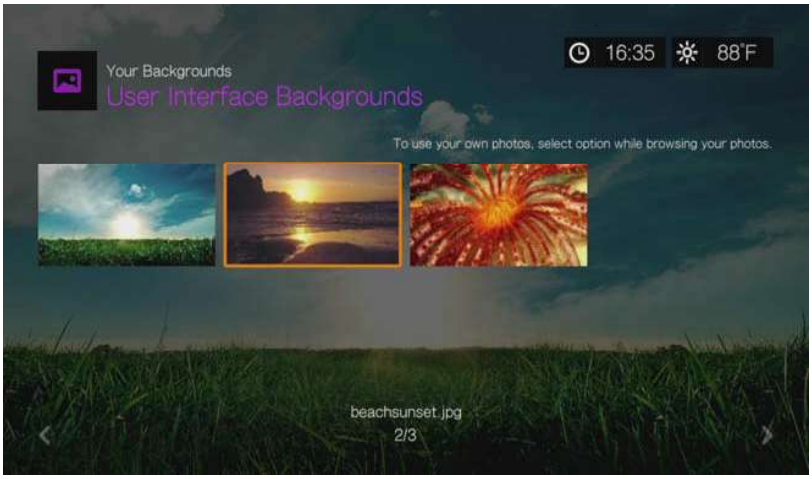
Select a WD Creative Masters album, then navigate to a photo and press **OK**. Press **OK** again to preview the background. You can choose to **Set as Background** or **View Bio** of the photographer, then press **OK**.



EX. 1012
LG Electronics, Inc.

Your Backgounds

Your Backgrounds shows the default background as well as other photos you have set as the background (see “Set as Background” on page 59). Navigate to a background photo and press **OK**, then press **OK** again to **Set as Background**.



Screensaver Delay

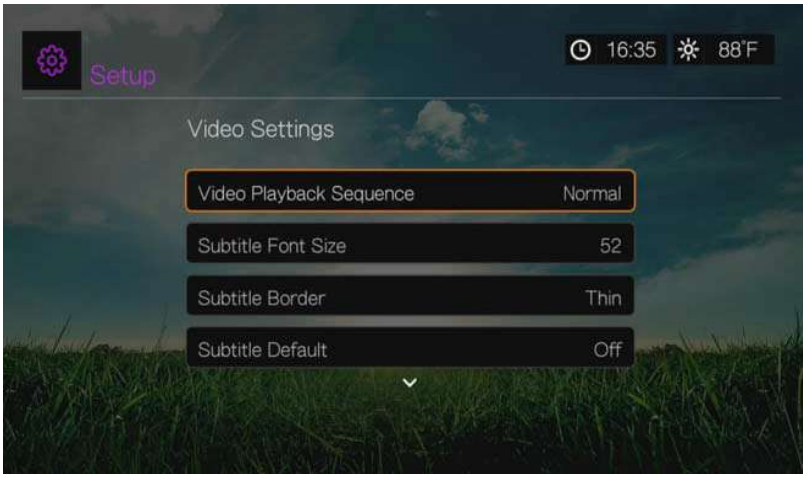
Use this menu to set the time of system inactivity before the screensaver display is enabled. The default setting is **5 minutes**.

Screensaver Style

Use this menu to choose your screensaver display style. The WD logo screensaver is the default style, but you can also choose a random photo slideshow of photos stored in the media center’s internal drive as your screensaver.

Video Settings

Use the menus in the Video Settings screen to configure the display and sequence option for video files.



EX. 1012
LG Electronics, Inc.

Video Playback Sequence

Use this menu to select the video playback mode. The default setting is **Normal**. Go to “View Chapter” on page 42 for a description of these video playback modes.

Subtitle Font Size

Use this menu to set the default font size (24 to 68 points, 40 points is default) for displaying video subtitles. Use the ▲▼ buttons to select a font size. “Subtitle font size” at the bottom of the screen reflects the font size option currently selected. Press **OK** to select a subtitle font size.

Subtitle Border

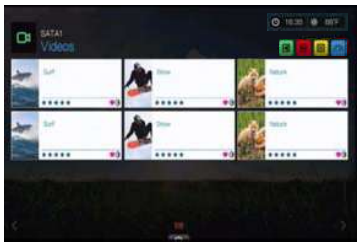
Use this menu to set the default appearance of the subtitle frame (**Thin** or **Thick**).

Subtitle Default

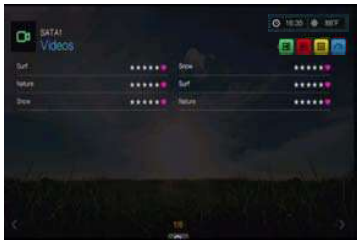
Use this menu to set the default appearance of the subtitle frame (**Thin** or **Thick**).

Browser Display

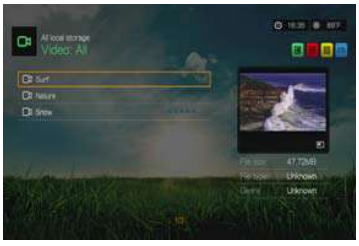
Use this menu to select the default display mode for the video browser screen. The default setting is **Preview View**. Examples of grid, list, and preview views are shown below.



Grid View



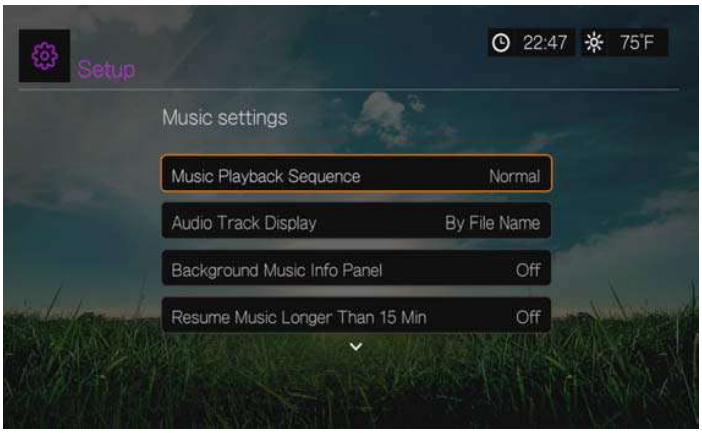
List View



Preview View

Music Settings

Use the menus in the Music settings screen to configure the display and sequence option for audio files.



EX. 1012
LG Electronics, Inc.

Music Playback Sequence

Use this menu to select the audio playback mode. The default setting is **Normal**. Go to “To set the music repeat mode:” on page 53 for a description of the audio playback modes.

Audio Track Display

Use this menu to select which file information to display in the audio browser screen. The default setting is **File name**.

Background Music Info Panel

When turned **On**, a music info menu bar appears at the top of the screen when music is playing in the background.

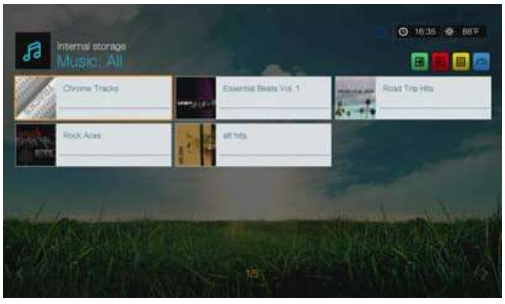


Resume Music Longer Than 15 Min

When turned **On**, will prompt you to resume or restart a music file that is 15 minutes or longer.

Browser Display

Use this menu to select the default display mode for the audio browser screen. The default setting is **Grid View**. Examples of both grid and list views are shown below.



Grid View

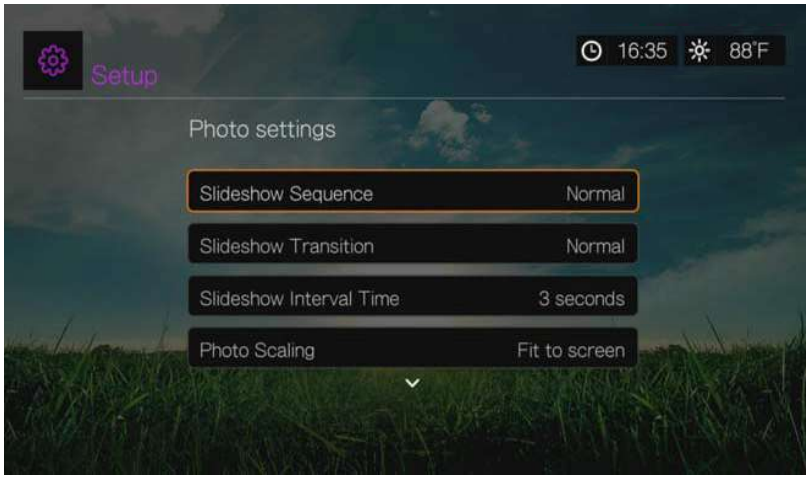


List View

EX. 1012
LG Electronics, Inc.

Photo Settings

Use the menus on this category to configure the display size and slideshow settings when viewing your image files.



Slideshow Sequence

Use this menu to set the slideshow sequence mode. The default setting is **Normal**.

- **Normal** – The slideshow is played once. When the last image is displayed, the previous browser screen is displayed.
- **Shuffle** – The slideshow is played in random order until you press **Stop**.
- **Repeat All** – The slideshow is played repeatedly until you press **Stop** or **Back**.
- **Repeat All and Shuffle** – The slideshow is played continuously in random order.

Slideshow Transition

Use this menu to select the method used to display the next slide in a slideshow. The default setting is **Normal**.

Slideshow Interval Time

Use this menu to set the time interval between pictures in the slideshow. You can select from 3 seconds (default) to 5 minutes.

Photo Scaling

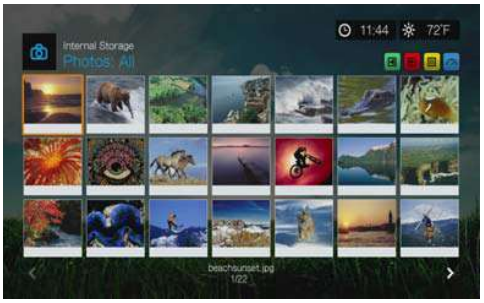
Use this menu to define how pictures are scaled when you view them. This also applies when pictures are viewed in a slideshow. Options include:

- **Keep as original** – Maintains the original resolution of the image (default).
- **Fit to screen** – Fills as much of the display area as possible while maintaining correct image proportions.
- **Display in full screen**– Fills the display area with the image (this can lead to image distortion).

EX. 1012
LG Electronics, Inc.

Browser Display

Use this menu to select how media files are displayed in their respective folders. The default setting is **Grid View**. Examples of both grid and list views are shown below.



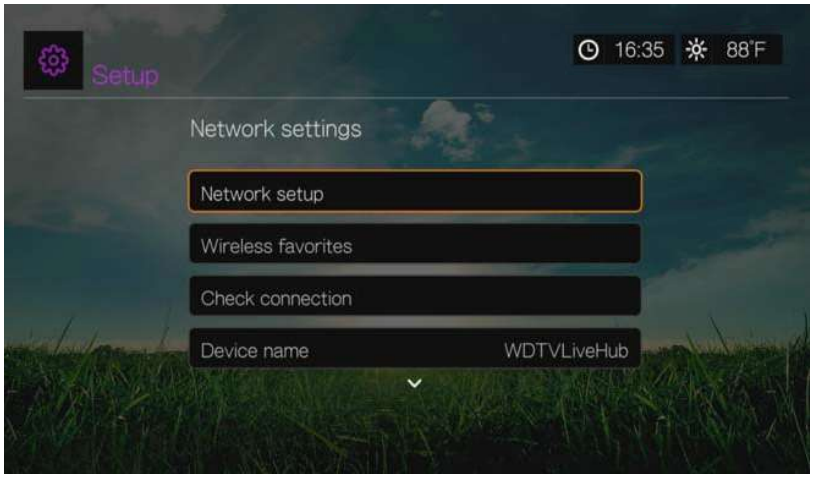
Grid View



List View

Network

Use the menus in this category to configure and view the media center's network settings. Press ▲/▼ to make a selection from the list of options, then press **OK**.



Network Setup

See "Network Setup" on page 64 for information and instructions.

Wireless Favorites

This menu displays a record of your wireless network settings. After performing a wireless network setup, the media player keeps a record of the LAN access point. Use this menu to reconnect to the local network without having to rekey the password.

Check Connection

See "Checking the Network Connection" on page 69 for information and instructions.

EX. 1012
LG Electronics, Inc.

Device Name

The name shown in the device name field helps you identify the media center on the network. Use this menu option to change the device name using the onscreen keyboard.

DLNA Media Server

This option is **On** by default so that other DLNA media devices on the network can see the media center. If set to **Off**, other DLNA media devices on the same network will not be able to the see the media center on the network

See specific DLNA media device user manuals for instructions on connecting a DLNA device to your local area network Go to *http://www.dlna.org* for a list of DLNA-certified devices and for further information.

iTunes Server

The iTunes server is set to **Off** by default. Turning it **On** allows you share audio files to iTunes on the same network.

Network Share Server

Must be set to **On** to use network services. See “Network Services” on page 70 for information and instructions.

Workgroup

Allows you to join a specific workgroup on your network. Microsoft operating systems in the same workgroup may allow each other access to their files, printers, or Internet connection. Members of different workgroups on the same local area network and TCP/IP network can only access resources in workgroups to which they are joined.

To create a new workgroup, select Workgroup then press **OK**. Enter a new workgroup name using the on-screen keyboard.

Proxy

Proxy is used by corporations to view and filter online transactions. All requests in the corporate environment go through a proxy server to perform such actions as recording the IP address of a web site, checking the IP address that is being opened to make sure it’s not on a blocked list, and checking outgoing attachments for spam or viruses.

If you plan to use the media server in a corporate environment, select **On**, then enter the Proxy address and port using the on-screen keyboard to access online services.

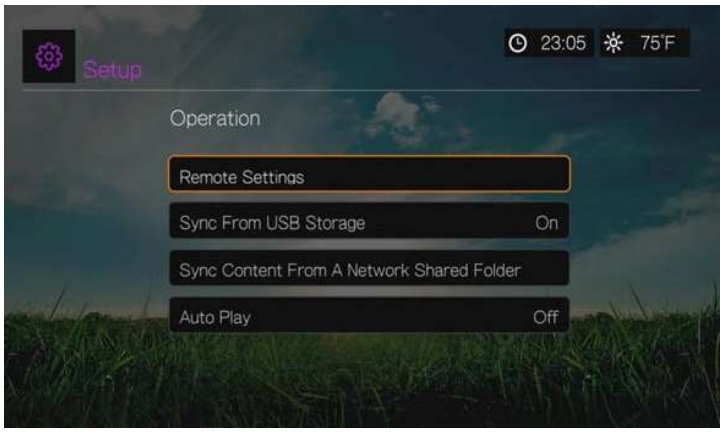
Clear Login Info for Network Share

Use this menu to clear login information (preset password) for the network share.

EX. 1012
LG Electronics, Inc.

Operation

Use the menus in the Operation screen to set preferences for the media center.

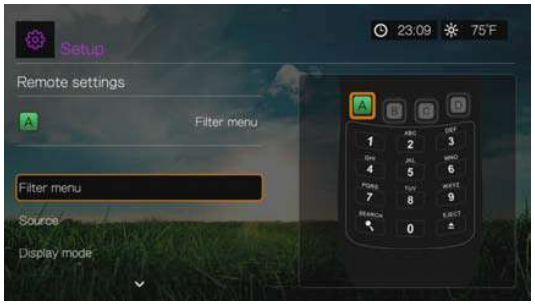


Remote Settings

Select a function for the **A**, **B**, **C**, and **D** function buttons on the remote controller. The remote settings menu displays the functions currently assigned to each button.



To change functions, press ▲/▼ to select a function button, then press **OK**. Press ▲/▼ to select functions such as display mode, filter menu, Music, Video, Services, Setup, etc., then press **OK**.



To reset the function buttons to default settings, select **Reset**, then press **OK**.

EX. 1012
LG Electronics, Inc.

Delete Music Preset (Buttons 0-9)

To clear a music file or playlist preset from one of the **0**-**9** buttons, press ▲/▼ to select a numbered button. Press ▶ to select the ✖, then press **OK**.



Sync From USB Storage

This option allows you to turn the USB sync feature on or off. See “Step 5 - Connecting a USB Device (Optional)” on page 23.

Sync Content From A Network Shared Folder

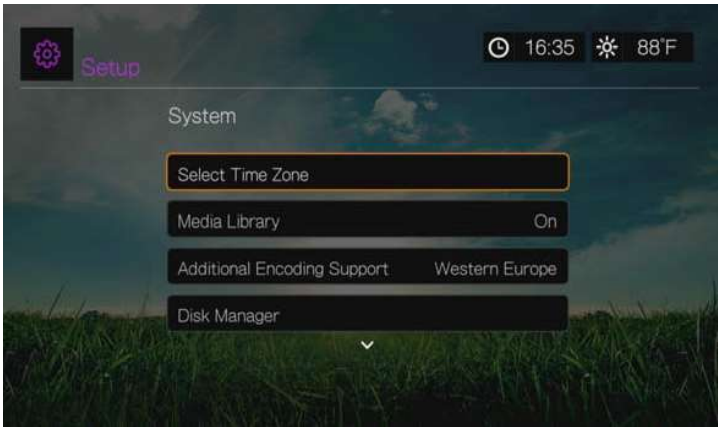
Allows you to setup a sync process to a shared folder on your network. Any new content added to the new folder automatically syncs to the media center’s internal drive.

Auto Play

Select the type of media (music or video) that plays automatically when a USB device is connected to the media center. The media files should be located in the USB device’s root directory for Auto Play to function.

System

Use the menus in this category to configure the media center’s general functions. Press ▲/▼ to make a selection from the list of options, then press **OK**.



Set Time Zone

Use this menu to select your local time zone and turn Daylight Savings Time **Off** or **On** so that the media center displays the current time.

EX. 1012
LG Electronics, Inc.

Media Library

Use this menu to enable or disable Media Library (turn **Off**, **On**, or **Clear Media Library**), which refers to the process of consolidating the contents of a USB drive into one database so you can locate media files based on metadata information. See “Media Library” on page 142 for more information.

Additional Encoding Support

Press ▲/▼ to select an encoding support for a secondary language, then press **OK**. This prevents garbled characters in file names and subtitles defined in the selected language.

Disk Manager

This option displays information about the media center and attached drives when you select the drive then press **OK**, including:

- Storage Type
- Free Space
- Total Size
- File System

Disk Manager also allows you to format the multimedia drive. Select WDTVLiveHub, then press **OK**.

Important: Reformatting the multimedia drive erases all its contents. If you have already saved files on the multimedia drive, be sure to back them up before reformatting it.



Device Registration

You can register your media center if you have an active network connection. See “To register your WD product using the System Setting menu:” on page 3 for instructions.

Device Reset

Use this menu to restore all media center system preferences and playback settings to their default factory values. **Reset All Settings Back to Factory Default**

EX. 1012
LG Electronics, Inc.

defaults corrects problems caused by a failed firmware upgrade or faulty configuration settings. **Reset All Online Service Accounts** clears all account information and logins you have entered for Services, with the exception of BLOCKBUSTER On Demand (you must contact Blockbuster to have the media center removed from your account).

Note: For further, up-to-date details about device reset, see Article #5701 in our knowledge base at *http://support.wdc.com*.

Important: If you specified a static IP address (or any other non-standard configuration), the media center will no longer appear on the network after the reset. Also, be sure to reset the media center to factory defaults and reset all online service accounts before returning or otherwise transferring the device to purge your internet services personal account information, network shares passwords, and wireless network passwords.

Device Reset only clears user settings from the device. To clear all the data and content from the media center's internal drive, you need to reformat the drive. See "Disk Manager" on page 141.

To perform a device reset:

1. Press ▲/▼ to select **Device Reset**, then press **OK**.
2. Press ▲/▼ to select **Reset All Settings Back to Factory Default** or **Reset All Online Service Accounts**, then press **OK**.

Device Restart

Press **OK** to restart the media center.

System Information

Access the System Information screen to view network-related settings currently used by the media center.

About Mochi®

Select this option to display the firmware version currently installed, part number, and serial number of the device.

EX. 1012
LG Electronics, Inc.

Media Library

Media Library scans and consolidates the media contents of a USB drive into a database through which you can easily locate media files. This feature is on by default.

The following conditions will prevent the Media Library from processing your media.

- The USB device has read-only protection.
- There is not enough hard drive space on the USB device. Your media center needs some space to cache information, so that searches and scans are faster.

A note about metadata

Metadata is information about the data in a file that describes how, when, and by whom a particular set of data (video, music, photographic, or any other type of data) was collected, and how the data is formatted.

Not all files have metadata loaded. To add and edit metadata so that Media Library can aggregate the files properly, you can use one of several tools including:

- Adobe® Bridge (part of the Adobe Creative Suite)
- abcAVI Tag Editor (freeware)
- XnView 1.93.2 (freeware)
- iTunes
- Windows media center

Editing Metadata

Editing metadata with iTunes:

1. Open iTunes and click the song you want to edit.
2. Open the File menu, then click **Get Info**.

   A window opens, showing all of the information you can edit for the song that you selected. You can edit the song's:
   - Name
   - Artist
   - Year released
   - Album name
   - Composer
   - Track number
   - Genre
3. When you are done, click **OK**. To edit the next song listed in your iTunes library, click **Next**.

Editing metadata with Windows media center:

1. Open Windows media center.
2. Click the **Library** tab.
3. Right-click the title or other item to edit.
4. When the menu opens, click **Edit**.

EX. 1012
LG Electronics, Inc.

Converting The Content Into A Usable Format

There are several fast, easy-to-use applications available online that can convert photos, videos, and music files into formats optimized for use on your media center. The software also allows simultaneous conversion of multiple files in batches regardless of their original formats.

Examining Your Files

MediaInfo (free software) can provide technical and tag information about your video or audio files.

MediaInfo provides the following kinds of information:

- General—title, author, director, album, track number, date, and duration
- Video—codec, aspect, fps, and bitrate
- Audio—codec, sample rate, channels, language, and bitrate
- Text—language of the subtitles
- Chapters—number and a list of chapters

MediaInfo supports the following formats:

- Video—MKV, OGM, AVI, DivX, WMV, QuickTime, Real, MPEG-1, MPEG-2, MPEG-4, DVD (VOB) (Codecs: DivX, XviD, MSMPEG4, ASP, H.264, AVC)
- Audio—OGG, MP3, WAV, RA, Dolby Digital Plus, AAC, M4A, AU, AIFF
- Subtitles—SRT, SSA, ASS, and SAMI

With MediaInfo, you can:

- Read many video and audio file formats
- Use several methods of viewing information, such as text, sheet, tree, and HTML
- Customise views
- Export information as text, such as CSV and HTML

To examine your files:

1. Use your browser and go to *http://mediainfo.sourceforge.net/en*.
2. Download the software and install it on your computer.
3. Follow the instructions as prompted.

EX. 1012
LG Electronics, Inc.

14

System Maintenance

The system software of your media center can be upgraded to the latest release, which can improve support for media file playback and includes bug fixes and product enhancements. To ensure that you receive the latest update, we recommend registering your product at *http://register.wdc.com*.

This chapter describes how to upgrade the system firmware and perform simple troubleshooting. If you encounter an error message, refer to the “Common Error Messages” on page 150 for possible corrective action.

Solutions to more serious problems may require contacting your dealer or an authorized service center for assistance. For more information, refer to “WD Service and Support” on page 2.

System Firmware Upgrade

Firmware is an important set of instructions that tells your media center how to operate, what the interactive screens look like, and how to do what you tell it to do. Upgrading the firmware is important because WD is always developing newer, faster, and more efficient ways of doing things that your media center needs to know.

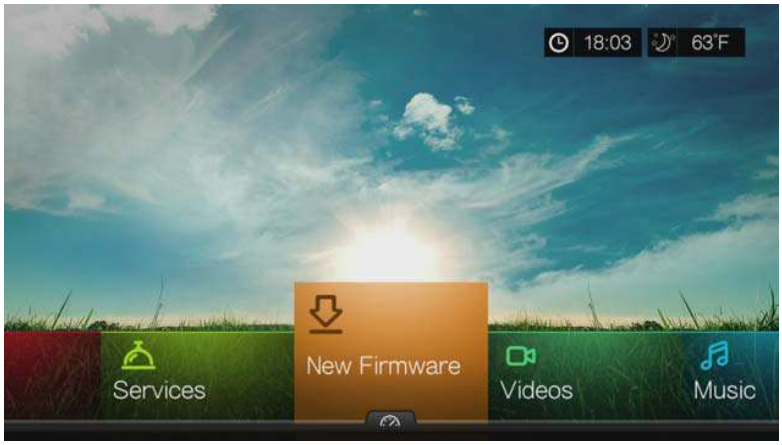
Important: Make sure the media center’s AC power adapter remains connected during the firmware update. A power disruption during the update process can corrupt the system firmware. Also, make sure that you do not unplug the USB storage device if doing a manual update.

Automatic

The New Firmware menu appears in the media center’s Home screen when updated firmware becomes available, providing the option to automatically upgrade the firmware.

To update the firmware automatically:

1. Press **HOME**, then select the New Firmware menu. Press **OK**.

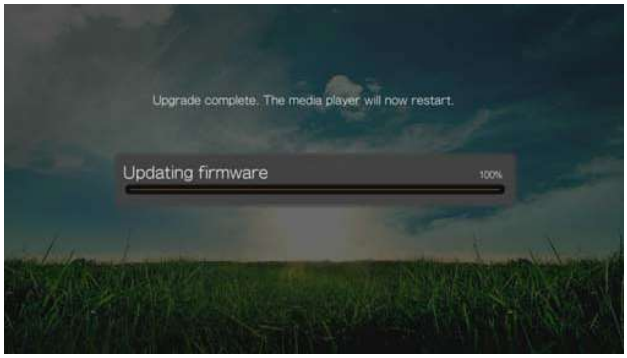


EX. 1012
LG Electronics, Inc.

2. Select **OK** on the firmware update prompt, and then press **OK**. This restarts the system.
3. After restarting, the system automatically enters firmware upgrade mode.



4. Once the update process finishes, the media center restarts. When the media center restarts, the new firmware loads automatically.



Manual

To update the firmware manually:

1. Go to *http://support.wdc.com* and download the latest firmware update file for the media center.
2. Click “Downloads,” then the product name (or photo). Download the WD TV Live Hub Media Center firmware zip file to your computer.
3. Using an unzip utility, extract the zip file contents to the root directory of a USB device connected to your computer.
4. Safely remove the USB device from the computer and attach it to the media center.
5. Connect the USB device to the media center's USB port. If the Sync and Transfer screen appears, select **Cancel**, then press **OK**.
6. Follow steps 1-4 under “To update the firmware automatically:” on page 145.
7. If the Sync and Transfer screen appears, select **Cancel** or **OK** if you want to access video, music, or photo files on the attached USB device.

EX. 1012
LG Electronics, Inc.

Troubleshooting

Problem	Solution
DISPLAY	
The TV screen is blank and the media center power LED remains off.	• Make sure the TV is turned on. • Make sure that the power adapter and power outlet are okay. • Make sure that the interface cable is properly attached to the correct terminals on both the TV and the media center.
The TV screen is blank and the media center power LED is blinking.	A system diagnostic failure occurred. Turn off your media center, wait 10 minutes, then turn it on again. If the same thing happens, contact the WD Technical Support for assistance (see "WD Service and Support" on page 2).
The TV screen is blank and the media center power LED is on.	• Make sure the TV is turned on. • Make sure that the interface cable is properly attached to the correct terminals on both the TV and the media center. • Press the reset switch for one second to reset to factory defaults (see "Device Reset" on page 141). Press and hold 10 seconds to toggle between NTSC and PAL. Use a fine-tipped stylus or the unfolded end of a paperclip to press the reset switch.
The TV screen is blinking and fuzzy.	• Make sure that the interface cable is properly attached to the correct terminal(s) on both the TV and the media center. • Make sure the media center power LED is on. • If you are using a CRT TV, navigate to the Home | Settings | System screen and: - Make sure that the **Composite** option is selected as the video output. - Make sure the TV system setting matches the system used in your region. • If you are using an LCD TV, navigate to the Home | Settings | System screen and: - Make sure that the **HDMI** option is selected as the video output. - Make sure that the video resolution option is set as **Auto**.
The video display is cut off or appears in a sidebar.	Navigate to the Home | Settings | Audio/Video screen and make sure that aspect ratio is set as **Normal**.
The slideshow pictures are distorted.	Navigate to the Home | Settings | Photo screen and select Keep as original or Fit to screen in the Photo Scaling field.

EX. 1012
LG Electronics, Inc.

Problem	Solution
FILES	
File does not play.	• Verify compatibility. Refer to “Supported Formats” on page 152. • Use a media converter program to convert the file to a usable format.
AUDIO	
There is no sound.	• Make sure the volume on the entertainment unit is not muted. • Navigate to the Home | Settings | System screen and make sure the correct audio output setting is enabled. - If you are using the composite audio cable, the **Stereo** setting should be enabled. - If you are using an S/PDIF (optical) or HDMI connection, the **Digital** setting should be enabled. • If you are watching a video that supports multiple audio channels, make sure that the Audio Off option is disabled. Press Options | <icon>, and then press **OK** repeatedly until the intended audio channel is displayed.
NETWORK	
The media center is not visible on the network.	• Make sure the Setup > Network Settings > Share WDTV on your network option is set to On.
USB DEVICE	
The Media Library process failed.	Make sure that: • the USB device has no read-only protection. • the USB device is not using the HFS+ Journaling file system. • there is enough storage space on the USB device.
The attached USB device is not visible on the Home screen.	• The media center only supports mass USB storage mode. Make sure that the USB device is configured as a "mass storage device." • Make sure the USB device’s file system is supported (NTFS, FAT/FAT32, or HFS+).

EX. 1012
LG Electronics, Inc.

Problem	Solution
REMOTE CONTROL	
The media center remote control does not work.	• Press only one button at a time. • Make sure the batteries are properly inserted. • The batteries may already be drained out. Replace batteries with new ones. • Make sure that the path between the remote control and the media center is not blocked.
FIRMWARE UPGRADE	
The firmware upgrade recovery splash screen is shown after you turned on the media center or the media center keeps rebooting to the splash screen.	The previous or current firmware upgrade process failed. • Repeat the firmware upgrade process. Go to page 146 for instructions. • If you are still unable to update the system firmware, perform a system reset. Go to page 141 for instructions.

EX. 1012
LG Electronics, Inc.

Common Error Messages

If this message appears	Perform this action
HOME	
Hard drive cannot aggregate.	There are different conditions under which this error message may appear. The message will specify the issue. For example, not enough space is used on the storage or a journaled file system.
No storage present.	Attach the USB device that contains your media files.
Media Library requires more storage space: [XXXMB]	1. Eject and disconnect the USB device from the media center. 2. Connect the USB device to your computer and delete unnecessary files to meet the required storage space. 3. Attach the USB device to the media center again.
Please turn off journaling on the attached storage's file system for the media center to compile the media library.	1. Eject and disconnect the USB device from the media center. 2. Connect the USB device to your Apple computer and disable the journaling function. Refer to the Apple Help for information. 3. Attach the USB device to the media center again.
Unable to compile media library on read-only storage.	1. Eject and disconnect the USB device from the media center. 2. Connect the USB device to your computer and make sure the read-only protection is disabled. 3. Attach the USB device to the media center again.
Unable to compile media library. Please check your storage setting.	1. Eject and disconnect the USB device from the media center. 2. Connect the USB device to your computer and <what action should be taken here?> 3. Attach the USB device to the media center again.
Unrecognized storage.	The USB device model is not supported. Use another USB device.
Question XX: WD USB HDD Trouble Shooting	This indicates a system diagnostic failure. Contact WD Technical Support for assistance.
CONTENT PLAYBACK	
This folder is empty.	There are no supported media files in the selected folder. Select another folder that contains media files of the correct format.

EX. 1012
LG Electronics, Inc.

If this message appears	Perform this action
Unable to play the selected file. Please recreate the file by using the included media editing software.	1. Eject and disconnect the USB device from the media center. 2. Connect the USB device to your computer and make sure the file format is correct. You can use the media editing software included in the WD Documentation CD. (See "How do I find media files and create playlists?" on page 151) 3. Attach the USB device to the media center again.

FAQs

How do I find media files and create playlists?

Several media center applications are currently available, such as Winamp and iTunes, that let you play, arrange, and edit media files. These media centers also let you create playlists and edit the metadata information for media files. You can search the Internet with your browser to locate where these applications are available for download.

How do I copy the files from my music CD to my computer?

Digital audio extraction, or *Ripping*, is the process of copying audio (or video) content to a hard drive, typically from removable media, such as CDs or DVDs, or from media streams.

To rip music from CDs to a computer:

1. Insert the CD into the optical drive of your computer.
2. Open the program that you use to rip the music to your computer, such as iTunes or Windows Media Player.
3. Press the **Import** button (using iTunes),

   - OR -

   Press the **Rip** button (using Windows media center).
4. Click the music you want to copy (Windows media center) and note where the music files are saved after they are copied. iTunes imports the entire CD into your iTunes music library.
5. Click the **Start Rip** button (Windows Media Player).
6. When ripping is complete, remove the CD. The music is now on your computer.

Note: Some music may be covered by copyright laws which prevent its copying or distribution.

Can I use a universal remote control with the media center?

You can use most popular universal remote control devices such as the Logitech Harmony models.

EX. 1012
LG Electronics, Inc.

15

Appendix

Supported Formats

Filename extension	Codec	Format/container
	VIDEO	
.AVI	Video: Xvid AVC MPEG1/2/4 WMV9 VC-1 Audio: MPEG Audio PCM Dolby Digital DTS	AVI
.MPG/.MPEG	Video: MPEG1/2 Audio: MPEG Audio Dolby Digital DTS PCM	mpeg ps
.MKV	Video: h.264 x.264 AVC MPEG1/2/4 WMV9 VC-1 Audio: MPEG Audio PCM Dolby Digital/Dolby Digital Plus DTS AAC	MKV
.TS/.TP/.M2T	Video: MPEG1/2/4 AVC VC-1 Audio: MPEG Audio Dolby Digital/Dolby Digital Plus DTS	TS

EX. 1012
LG Electronics, Inc.

Filename extension	Codec	Format/container
.MP4/.MOV	Video: MPEG4 AVC Audio: AAC MPEG Audio Dolby Digital/Dolby Digital Plus	Quicktime
.ASF/.DVR-MS/.WMV	Video: MPEG2 WMV9 VC-1 Audio: WMA/WMA Pro Dolby Digital	ASF
.VOB/.ISO	Video: MPEG1/2 Audio: MPEG Audio Dolby Digital DTS PCM	VOB/ISO
.M2TS	Video: MPEG1/2/4 AVC VC-1 Audio: MPEG Audio Dolby Digital/Dolby Digital Plus DTS	M2TS
.WMV9	VC-1	WMV9
.FLV	H.264	FLV

An audio receiver is required for multi-channel surround sound digital output.

Video notes:

1. MPEG-2 MP@HL up to 1920x1080p24, 1920x1080i30, or 1280x720p60 resolution.
2. MPEG4.2 ASP@L5 Rectangular shape video decoding up to 1280x720p30 resolution, support for B Pictures, data partitioning and error resiliency. No support for global motion compensation (GMC).
3. WMV9/VC-1 MP@HL up to 1280x720p60 (<90% of the P-picture macroblocks have 4 motioin vectors) or 1920x1080p24 resolution. Up to 1280x720p30 or 1920x1080i25 resolution if unconstrained 4MV bitstream.
4. VC-1 AP@L3 up to 1920x1080i30 (<60% of the B-picture macroblocks have 4 motion vectors), 1920x1080p24, or 1280x720p60 resolution. Up to 1920x1080i25, 1920x1080p24, or 1280x720p60 resolution if unconstrained 4MV bitstream.
5. MPEG-4.10 (H.264) BP@L3 up to 720x480p30 or 720x576p25 resolution, including FMO and ASO.
6. MPEG-4.10 (H.264) MP@L4.1 and HP@L4.1 up to 1920x1080p24, 1920x1080i30, or 1280x720p60 resolution (constrained to match BD and HD-DVD specifications), 180 Mbin/s maximum for CABAC streams.

EX. 1012
LG Electronics, Inc.

File	Codec	Format/container
AUDIO		
MP1/2/3/a	MPEG audio	None
AAC	MPEG 2/4 AAC LC/HE	1. ADTS 2. ADIF
M4A/MP4A	MPEG 2/4 AAC LC/HE	Quicktime
FLAC	FLAC	FLAC
WAV	PCM (Microsoft®)	WAVE
LPCM/PCM	PCM	None
OGG	OGG VORBIS	OGG
WMA	WMA	ASF
AIF/AIFF	PCM	AIFF
MKA	1. MPEG audio 2. MPEG 2/4 AAC LC/HE 3. PCM (Microsoft)	MATROSKA
Dolby Digital/Dolby Digital Plus	Dolby Digital/Dolby Digital Plus	None
DTS	DTS	None
An audio receiver is required for multi-channel surround sound digital output.		

Type	File name	Codec	Resolution	Other limitation
PHOTOS				
BMP	bmp	Uncompressed (most common)	2048x2048	Not available
TIFF	tif/tiff	Uncompressed 24-bit RGB (most common)	2048x2048	Multi-page not supported, only shows 1st page
		LZW (loss less)	2048x2048	Not available
PNG	png	DEFLATE (loss less)	2048x2048	Not available
GIF	gif	LZW (loss less)	2048x2048	For animation, only supports 1st page
JPEG	jpeg/jpg	JPEG (lossy) (most common)	4096x4096	CMYK not supported
		Progressive	1280x720	Not available

EX. 1012
LG Electronics, Inc.

Type	File name	Codec	Resolution	Other limitation
PHOTOS				
Compressed RGB JPEG formats only and progressive JPEG up to 2048. Single layer TIFF files only. Uncompressed BMP only. Not available indicates that no other limitations are known at this time.				

Thumbnail	Support	Limitation
MUSIC		
Filename extension	Only supports ID3 and EXIF format have thumbnail	
mp3	Yes	Thumbnail in the id3 tag (“APIC” or “PIC” tag)
wma	Yes	Thumbnail in the asf format (“WM/Picture” in the extended info)
m4a	Yes	Thumbnail in the quicktime format (“moov/udta/meta/ilst/covr”)
mp4a	Yes	Thumbnail in the quicktime format (“moov/udta/meta/ilst/covr”)
flac	Yes	Thumbnail in the flac format
asf	Yes	Thumbnail in the asf format (“WM/Picture” in the extended info)
wmv	Yes	Thumbnail in the asf format (“WM/Picture” in the extended info)
mp4	Yes	Thumbnail in the quicktime format (“moov/udta/meta/ilst/covr”)
jpg	Yes	Thumbnail in the exif
jpe	Yes	Thumbnail in the exif
tiff	Yes	Thumbnail in the exif
tif	Yes	Thumbnail in the exif
jpeg	Yes	Thumbnail in the exif

EX. 1012
LG Electronics, Inc.

Regulatory Compliance

FCC Class B Information

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 generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause interference with 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, you are encouraged to try to correct the interference by one or more of the following measures:

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

ICES-003/NMB-003 Statement

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with Canadian ICES-003 Class B.

Safety Compliance

Approved for US and Canada. CAN/CSA-C22.2 No. 60065:03, UL-60065, 7th Ed: Audio, Video and Similar Electronic Apparatus - Safety Requirements.

Approuvé pour les Etats-Unis et le Canada. CAN/CSA-C22.2 No. 60065:03, UL-60065 7th Ed. Appareils audio, vidéo et appareils électroniques analogues - Exigences de sécurité.

This device is only for use with the compatible UL Listed AC adapter.

Cet appareil n'est destiné qu'a` des adaptateur compatibles marqués "UL Listed."

CE Compliance for Europe

Marking by the CE symbol indicates compliance of this system to the applicable Council Directives of the European Union, including the EMC Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC). A "Declaration of Conformity" in accordance with the applicable directives has been made and is on file at Western Digital Europe.

Die Markierung mit dem CE-Symbol zeigt an, dass dieses Gerät mit den anwendbaren Richtlinien der Europäischen Union übereinstimmt. Hierzu zählen auch die EMV-Richtlinie (2004/108/EG) sowie die Niederspannungsrichtlinie (2006/95/EG). Eine "Konformitätserklärung" in Übereinstimmung mit den anwendbaren Richtlinien ist erstellt worden und kann bei Western Digital Europe eingesehen werden.

EX. 1012
LG Electronics, Inc.

Le symbole CE indique que ce système est conforme aux directives du Conseil de l'Union Européenne, notamment à la Directive CEM (2004/108/CE) et la Directive Basse tension (2006/95/CE). Une " déclaration de conformité " aux directives applicables a été déposée auprès de Western Digital Europe.

I marchi con il simbolo CE denotano la conformità di questo sistema alle direttive del Consiglio dell'Unione europea, ivi compresa la Direttiva EMC (2004/108/CE) e la Direttiva Bassa Tensione (2006/95/CE). In adempimento con le vigenti direttive è stata rilasciata una "Dichiarazione di conformità", depositata presso Western Digital Europe.

La marca con el símbolo CE indica el cumplimiento de este sistema con las correspondientes directivas del Consejo de la Unión Europea, que incluye la Directiva CEM (2004/108/CE) y la Directiva de bajo voltaje (2006/95/CE). Se ha realizado una "Declaración de conformidad" de acuerdo con las directivas correspondientes y se encuentra documentada en las instalaciones de Western Digital en Europa.

Märkning av CE-symbolen anger att detta systemet uppfyller kraven enligt det Europeiska Parlamentet och Rådets direktiv, inklusive EMC-direktivet (2004/108/EC) och Direktivet om Lågspänning (2006/95/EC). En "Försäkran om Överensstämmelse" har gjorts enligt de gällande direktiven och har registrerats hos Western Digital Europa.

Merking med CE-symbolet indikerer dette systemets overholdelse av gjeldende direktiver for EU, inkludert EMC-direktivet (2004/108/EC) og lavspenningsdirektivet (2006/95/EC). En "samsvarserklæring" i henhold til gjeldende direktiver har blitt skrevet og finnes arkivert hos Western Digital Europe.

CE-merkintä osoittaa tämän järjestelmän yhdenmukaisuuden sovellettavissa olevien Euroopan unionin neuvoston direktiivien kanssa, mukaan lukien EMC-direktiivi (2004/108/EC), sekä alijännitedirektiivi (2006/95/EC). "Yhdenmukaisuusvakuutus" sovellettavien direktiivien kanssa on tehty ja se on arkistoituna Western Digital Europe:ssa.

Маркировка символом CE свидетельствует о соответствии настоящей системы положениям применимых директив Совета Европейского Союза, в том числе Директивы об электромагнитной совместимости (2004/108/EC) и Директивы о низковольтном оборудовании (2006/95/EC). Заявление о соответствии положениям применимых директив, сделанное компанией Western Digital, находится в архиве её европейского подразделения

يشير التميز بوضع الرمز CE إلى توافق هذا النظام مع توجيهات المجلس القابلة للتطبيق والخاصة بالاتحاد الأوروبي، بما في ذلك توجيهات التوافقية الكهرومغناطيسية (EMC) (2004/108/EC) وتوجيهات الجهد الكهربي المنخفض (2006/95/EC) وتم وضع "إعلان المطابقة" وفقًا للتوجيهات القابلة للتطبيق وهو موجود في ملف على Western Digital Europe.

EX. 1012
LG Electronics, Inc.

KCC Notice (Republic of Korea only)

기종별	사용자 안내문
B급 기기 (가정용 정보통신기기)	이 기기는 가정용으로 전자파적합충족을 한 기기로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

Class B Device 1 — Please note that this device has been approved for non-business purposes and may be used in any environment, including residential areas.

Environmental Compliance (China)

部件名称 Part Name	有毒有害物质或元素 Toxic or Hazardous Substances or Elements					
	铅 Pb	汞 Hg	镉 Cd	六价铬 Cr (VI)	多溴联苯 PBBs	多溴二苯醚 PBDEs
机壳/机箱 Chassis/Housing	X	O	O	O	O	O
电路板组合 / 板卡 PCBA	X	O	O	O	O	O
存储设备 (硬盘驱动器,光盘驱动器,软盘驱动器,记忆模块…) Storage Device (HDD,ODD,FDD,DIMM,…)	X	O	O	O	O	O
电源变压器 / 电源供应器 Adapter / Power Supply	X	O	O	O	O	O
風扇 Fan	X	O	O	O	O	O
机械-电机零件 Mechanical-Electrical parts	X	O	O	O	O	O
电池 Battery	X	O	O	O	O	O
遥控器 Remote controller	X	O	O	O	O	O

O: 代表此种部件的所有均质材料中所含的该种有毒有害物质均低于中华人民共和国信息产业部所颁布的《电子信息产品中有毒有害物质的限量要求》(SJ/T 11363-2006) 规定的限量。

X: 代表此种部件所用的均质材料中, 至少有一类材料其所含的有毒有害物质高于中华人民共和国信息产业部所颁布的《电子信息产品中有毒有害物质的限量要求》(SJ/T 11363-2006) 规定的限量

除非产品上另有标记，所有内附产品及其部件的'环保使用期限'均由此显示的符号表示。此环保使用期限只适用于产品手册中所规定的使用条件。
(在此表中，企业可能需要根据实际情况对标记"X"的项目进行进一步的技术性解释。)

Warranty Information

Obtaining Service

WD values your business and always attempts to provide you the very best of service. If this Product requires maintenance, either contact the dealer from whom you originally purchased the Product or visit our product support Web site at *http://support.wdc.com* for information on how to obtain service or a Return Material Authorization (RMA). If it is determined that the Product may be defective, you will be given an RMA number and instructions for Product return. An unauthorized return (i.e., one for which an RMA number has not been issued) will be returned to you at your expense. Authorized returns must be shipped in an approved shipping container, prepaid and insured, to the address provided on your return paperwork. Your original box and packaging materials should be kept for storing or shipping your WD product. To conclusively establish the period of warranty, check the warranty expiration (serial number required) via *http://support.wdc.com*. WD shall have no liability for lost data regardless of the cause, recovery of lost data, or data contained in any Product placed in its possession.

Limited Warranty

WD warrants that the Product, in the course of its normal use, will for the term defined below, be free from defects in material and workmanship and will conform to WD's specification therefor. The term of your limited warranty depends on the country in which your Product was purchased. The term of your limited warranty is for 1 year in the North, South and Central America region, 2 years in the Europe, the Middle East and Africa region, and 1 year in the Asia Pacific region, unless otherwise required by law. The term of your limited warranty period shall commence on the purchase date appearing on your purchase receipt. WD shall have no liability for any Product returned if WD determines that the Product was stolen from WD or that the asserted defect a) is not present, b) cannot reasonably be rectified because of damage occurring before WD receives the Product, or c) is attributable to misuse, improper installation, alteration (including removing or obliterating labels and opening or removing external enclosures, unless the product is on the list of limited user-serviceable products and the specific alteration is within the scope of the applicable instructions, as found at *http://support.wdc.com*), accident or mishandling while in the possession of someone other than WD. Subject to the limitations specified above, your sole and exclusive warranty shall be, during the period of warranty specified above and at WD's option, the repair or replacement of the Product. The foregoing warranty of WD shall extend to repaired or replaced Products for the balance of the applicable period of the original warranty or ninety (90) days from the date of shipment of a repaired or replaced Product, whichever is longer.

EX. 1012
LG Electronics, Inc.

The foregoing limited warranty is WD's sole warranty and is applicable only to products sold as new. The remedies provided herein are in lieu of a) any and all other remedies and warranties, whether expressed, implied or statutory, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and b) any and all obligations and liabilities of WD for damages including, but not limited to accidental, consequential, or special damages, or any financial loss, lost profits or expenses, or lost data arising out of or in connection with the purchase, use, or performance of the Product, even if WD has been advised of the possibility of such damages. In the United States, some states do not allow exclusion or limitations of incidental or consequential damages, so the limitations above may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

GNU General Public License ("GPL")

Firmware incorporated into this product may includes third party copyrighted software licensed under the GPL ("GPL Software") and not Western Digital's End User License Agreement. In accordance with the GPL, if applicable: 1) the source code for the GPL Software may be downloaded at no charge from http://support.wdc.com/download/gpl or obtained on CD for a nominal charge from http://support.wdc.com/download/gpl or by calling Customer Support within three years of the date of purchase; 2) you may re-use, re-distribute, and modify the GPL Software; 3) with respect solely to the GPL Software, no warranty is provided, to the extent permitted by applicable law; and 4) a copy of the GPL is included herewith, may be obtained at http://www.gnu.org, and may also be found at http://support.wdc.com/download/gpl.

Modification of or tampering with the Software, including but not limited to any Open Source Software, is solely at Your own risk. Western Digital is not responsible for any such modification or tampering. Western Digital will not support any product in which You have or have attempted to modify the Software supplied by Western Digital.

dts 2.0+Digital Out

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks, & DTS 2.0+ Digital Out and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

DOLBY DIGITAL PLUS

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

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

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

Rovi™

Do not connect the unit through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the television.

Microsoft

This product contains technology subject to certain intellectual property rights of Microsoft. Use or distribution of this technology outside of this product is prohibited without the appropriate license(s) from Microsoft.

Content owners use Windows Media digital rights management technology (WMDRM) to protect their intellectual property, including copyrights. This device uses WMDRM software to access WMDRM-protected content. If the WMDRM software fails to protect the content, content owners may ask Microsoft to revoke the software's ability to use WMDRM to play or copy protected content. Revocation does not affect unprotected content. When you download licenses for protected content, you agree that Microsoft may include a revocation list with the licenses. Content owners may require you to upgrade WMDRM to access their content. If you decline an upgrade, you will not be able to access content that requires the upgrade.

Content owners use Microsoft PlayReady content access technology to protect their intellectual property, including copyrighted content. This device uses PlayReady technology to access PlayReady-protected content and/or WMDRM-protected content. If the device fails to properly enforce restrictions on content usage, content owners may require Microsoft to revoke the device's ability to consume PlayReady-protected content. Revocation should not affect unprotected content or content protected by other content access technologies.

EX. 1012
LG Electronics, Inc.

Content owners may require you to upgrade PlayReady to access their content. If you decline an upgrade, you will not be able to access content that requires the upgrade.

Adobe®

This product features Adobe® Flash® technology. For further information, visit *http://www.adobe.com/software/flash/about/*.

The wall mount system located at the bottom of the unit is not designed for general usage by the end user.

WD respects the rights of copyright owners to control the uses of their intellectual property.

Information furnished by WD is believed to be accurate and reliable; however, no responsibility is assumed by WD for its use nor for any infringement of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of WD. WD reserves the right to change specifications at any time without notice.

Western Digital, WD, the WD logo, WD TV, My Book, and My Passport are registered trademarks of Western Digital Technologies, Inc. in the U.S. and other countries: and WD TV Live Hub and WD Livewire are trademarks of Western Digital Technologies, Inc. Other marks may be mentioned herein that belong to other companies.

© 2010 Western Digital Technologies, Inc. All rights reserved.

Western Digital
20511 Lake Forest Drive
Lake Forest, California 92630 U.S.A.

4779-705046-A00 Aug 2010

EX. 1012
LG Electronics, Inc.

Index

A

Accessories 4
AccuWeather.com 77
    find your location 78
advanced features 127
aspect ratio
    normal 129
    troubleshooting 146
    widescreen 129
audio channel 44
audio output 130
audio/video
    autosource function 7
    supported interfaces 7
Audio/Video menus
    aspect ratio 129
    audio output 130
    HDMI deep color mode 129
    video output 128
auto play function 139
autosource function 7

B

background 131
Blockbuster 80

C

chapter selection 42
clear media library 31
compatibility 12
    operating systems 12
composite AV
    connection 21
    connectors 9
connectors 9

D

dashboard 29
    options 30
digital camera support 57
disk manager 140
display troubleshooting 146
DLNA media server 137

E

Eject function
    button 26, 27
    procedure 24
encoding support 140
environmental compliance (China) 157
error messages 149

F

Facebook
    delete account 85
    exit 85
    friends 83
    news feed 83
    notifications 82
    photos 82
    photos options 83
    signing in 81
    videos 84
    videos options 85
    videos player 85
    wall 84
features 7
    AV interfaces 7
    menus 7
    supported file formats 8
    supported file systems 9
    USB support 9
file formats
    image 55
    playlist 8
    subtitle 8
    troubleshooting 150
file system
    supported 9
    troubleshooting 149
Files
    options 63
    sort & filter 62
    view 62
firmware upgrade
    procedure 144
    troubleshooting 148
Flickr 86
    exit 92
    exploring for contents 86
    my contacts 89
    my tags 90
    photostream 91
    player 91
    searching for a member 89
    searching for contents 87

EX. 1012
LG Electronics, Inc.