

cTV Guide

CONNECTED TV



INTERNET APPLICATIONS ON YOUR HDTV!

Use your DP55360 Sanyo HDTV to enjoy internet based content directly on your television through the use of an internet connection.

Access on-screen links to get the latest weather information, sports, news, stock updates and content services such as Netflix, and Vudu apps.

NOTE: The use of a PC is needed to create and setup your content service accounts.

WHAT YOU NEED

- Internet-ready Sanyo DP55360 HDTV
- Ethernet cable
- Modem and/or Router
- ISP (Internet Service Provider) w/broadband internet service no less than 1.5Mbps

IMPORTANT NOTE

If the HDTV is to be returned or given away, please **DEACTIVATE** the content services through the *Deactivation* menu. Failure in doing so will keep your HDTV as an active device for downloadable content from the different services.

Although your personal information will be safe, the HDTV will still be able to download and stream content registered to your account or accounts.

Please read the Owner's Manual and cTV Guide carefully for more useful information.

CTV GUIDE CONTENTS

GETTING STARTED—	
Disclaimer	2
Setting up LAN	3
Glossary	6
Remote Control	8
NETFLIX SERVICE—	
Account setup	9
Netflix FAQ	10
VUDU SERVICE—	
Account setup	11
VUDU FAQ	12
PANDORA SERVICE—	
Account setup	14
Pandora FAQ	15



Need assistance?

**Visit our Web site at
www.sanyoctv.com**

or call toll free

1-877-864-9604

We can Help!

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SETTING UP YOUR HOME NETWORK

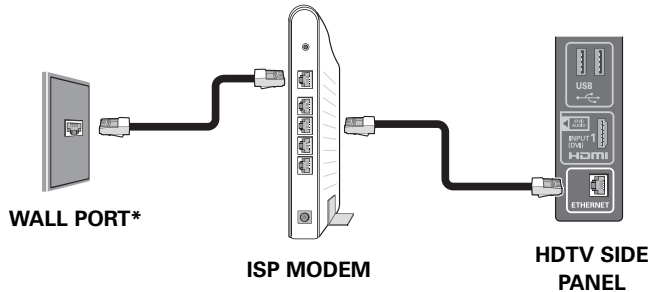
LAN CONNECTION

Enable your HDTV's network connection by hooking up the TV to the Modem or Router with the use of an Ethernet cable.

• DIRECT CONNECTION TO MODEM

Connect the HDTV's Ethernet port to your Internet Service Provider's modem.

NOTE: Make sure your modem is correctly hooked up to its modem port on the wall.

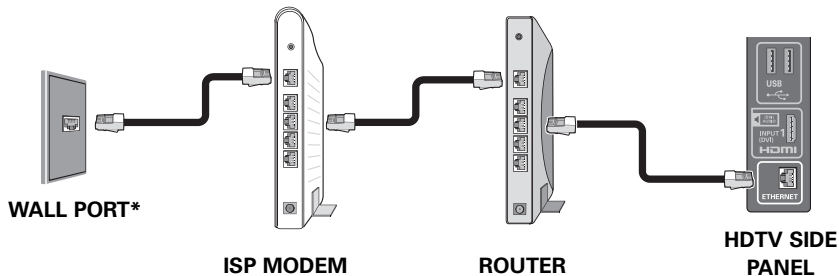


** Actual type of connection from your wall port to the Internet Service Provider's modem may vary. Please check your modem's owner's manual for proper setup.*

• CONNECTION THROUGH A ROUTER

If your internet connection is being shared to multiple devices with the use of a router, you may hook up your HDTV to an available slot on your router or IP sharer.

NOTE: Make sure your router and modem are correctly hooked up and turned on.



** Actual type of connection from your wall port to the Internet Service Provider's modem may vary. Please check your modem's owner's manual for proper setup.*



CHECKING YOUR HDTV'S NETWORK CONNECTION

Please follow these simple steps to verify your HDTV's communication with your LAN (Local Area Network.)

1. Turn on your HDTV.
2. Press the **MENU** key on your remote.
3. Use the **CURSOR** keys to select the *Setup* option from the main menu and press **ENTER**.
4. Select the *Network* option and press **ENTER**.
5. Select *Connect Test* and press **ENTER**.

This connect test will verify if in fact your HDTV is correctly setup to your Network.

NOTE: Your LAN must be properly setup and have an active Internet signal.

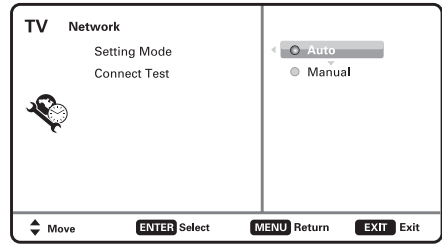
Please use contact information on bottom of page for any issues that might arise.

MANUAL CONFIGURATION

A manual configuration might be needed to setup your IP Address, Subnet Mask, Default Gateway and DNS Server.

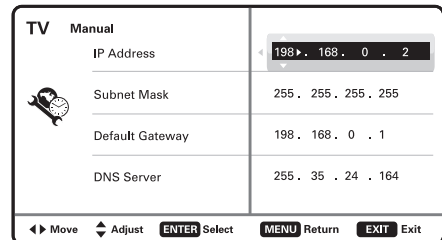
If such is the case, please follow these steps:

1. From the main menu select Setup and press **ENTER**.
2. Select Network and press **ENTER**.
3. Select Setting Mode and press **ENTER**.
4. Select the desired parameter you which to modify and press **ENTER**.
5. Use the **CURSOR** keys or the **NUMERICAL** keys on your remote to input the correct sets of numbers and press **ENTER**.
6. When finished, press the **MENU** key to return to the previous screen.
7. Select Connect Test and press **ENTER** so your HDTV may verify connectivity to the LAN.



NETWORK SCREEN

NOTE: If connect test fails when using a router, please connect HDTV directly to modem and repeat the process, if successful, try once more through router.



MANUAL SETTING SCREEN*

** Sample values used as reference only*



ON SCREEN MENU OPERATION

SETUP > Information

This menu allows you to check your HDTV's *Software Version*, *ESN*, *MAC Address*, and the *Deactivation* option.

Software version

Select this option to view your HDTV's software version number.

ESN

Select this option to view your HDTV's Electronic Serial Number.

MAC Address

Select this option to view your HDTV's unique assigned address number.

Deactivation

This feature permits turning off the content services such as Netflix and VUDU apps on your HDTV.

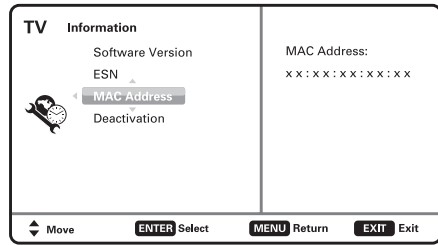
Use the **CURSOR ▲▼** keys to select *Deactivation* and press **ENTER**.

Select the content service which you'd like to deactivate and press **ENTER**.

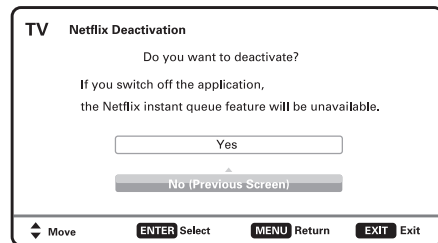
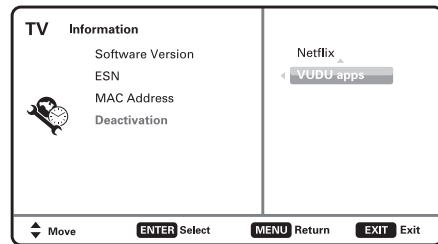
If you are certain you wish to deactivate the selected content service select *Yes* and press **ENTER**.

IMPORTANT NOTE

Deactivation is an important process if you wish for your HDTV to no longer allow downloads and streaming using your accounts from the different Content Services.



MAC ADDRESS SCREEN



DEACTIVATION SCREENS



GLOSSARY

Bandwidth:

Digital bandwidth, network bandwidth or just bandwidth is a measure of available or consumed data communication resources expressed in bit/s (bits per second) or multiples of it (kbit/s, Mbit/s, etc.)

Buffer:

Memory used to temporarily hold data. In streaming, the buffer allows content to continue playing uninterrupted during minor fluctuations in bandwidth. If the buffer runs out before the connection stabilizes, the stream will have to rebuffer, or pause to allow the buffer to refill.

Codec:

A codec is a device or program capable of performing encoding and decoding on a digital data stream or signal.

DHCP:

Dynamic Host Control Protocol, DHCP, is a protocol where a DHCP server on a network hands out IP address automatically to devices that request one.

Dolby Digital:

Dolby Digital, or AC-3, is the common version containing up to six discrete channels of sound, with five channels for normal-range speakers.

Dolby Digital Plus:

Dolby Digital Plus (DD+ or E-AC-3 (Enhanced AC-3)), is a digital audio compression scheme. E-AC-3 has a number of improvements aimed at increasing quality at a given bitrate compared with legacy Dolby Digital (AC-3).

Ethernet:

A way of connecting equipment together in a local area network or LAN. Ethernet cables look like thick telephone cables and connect computers and other internet ready devices together or to devices like modems, routers, switches, etc. Physically the Ethernet cable consists of twisted pair copper cables (usually Cat-5 or Cat-6 in home networks) terminated with RJ-45 connectors.

H.264:

H.264 is a state-of-the-art digital encoding format for high definition video and provides powerful compression technology that delivers a superior video experience at a low bit rate.

HDMI:

High-Definition Multimedia Interface. A connection type that transmits uncompressed digital video and audio signals between devices, such as: a Blu-ray Disc player and HDTV. HDMI connections process a special authorization signal between the equipment and use HDCP to encrypt the transmission.

Hub:

Similar to a switch except that traffic from one connection point is broadcast to all others.

Internet:

The internet is a global system of interconnected computer networks that use the standard Internet Protocol Suite (TCP/IP) to serve billions of users worldwide. It carries a vast array of information resources and services, most notably the inter-linked hypertext documents of the World Wide Web (WWW) and the infrastructure to support electronic mail.

IP Address:

Internet Protocol Address. An IP address is numerical sets of numbers consisting of four (4) blocks of up to three (3) digits each in the range of 0 to 254. Every device on a network must have its own unique IP address. For LANs there are special sets of IPs that are used. These consist of the following blocks: 10.x.x.x – where x = a number from 0 to 254.

ISP:

An Internet Service Provider (ISP), usually for a monthly subscription fee, will allow a user to connect to the Internet. Some ISPs directly put their users on the Internet, while others will send a connection through its or a different company's servers.

LAN:

Local Area Network– A high speed data network installed in a small area such as a home or office. Multiple devices can be connected to share information and the Internet. LANs can be wired (by Ethernet cable) or wireless (Wi-Fi)

Media Streaming:

The process of receiving and playing back audio, video, and photos in real time from a remote source over the Internet. Examples of media streaming include: Videos on demand, Internet radio stations, Music services, and Photostreams.



Modem:

The word modem is actually short for Modulator/Demodulator. A modem is a communications device that can be either internal or external to our computer. It allows a computer or a network of computers to connect to the Internet. The original dial-up modems are becoming obsolete because of their slow speeds, and are being replaced by much faster cable and DSL modems.

MP3:

MPEG-1 Audio Layer 3, more commonly referred to as MP3, is a patented digital audio encoding format using a form of lossy data compression. It is a common audio format for consumer audio storage, as well as a de facto standard of digital audio compression for the transfer and playback of music on digital audio players.

Note: PANDORA uses MP3 for the Sanyo HDTV.

Net Remote:

Net Remote is the feature of sending remote control commands to a VUDU client device over direct Ethernet network connection. For example: from your home PC, laptop, networked PDA, universal programmable IP capable remote control device, etc. The feature is mainly meant to support integrations of the VUDU box into the home theater setups.

Powerline:

A technology that allows for the creation of a broadband data network over standard home electrical wiring. A typical powerline system consists of a transmitter that plugs into an AC wall outlet and connects to a high-speed cable/DSL modem via an Ethernet cable. Powerline receivers can then be plugged into additional wall outlets to extend the reach of the home's network.

Router:

Hardware device that routes data (hence the name) within a network of computers. A router acts as a dispatcher, choosing the best path for information to travel within a network so it's received quickly. Home users typically utilize routers to allow multiple computers or other internet ready devices to connect to a single internet connection.

Switch:

Switches function similarly to routers by serving as controllers, enabling, networked devices to talk to each other efficiently. However, switches cannot link internet ready devices directly to the internet like a router, but instead only connect devices together within a network. They also don't provide the firewall and logging capabilities that routers do.

Wi-Fi:

A standard for wireless communication accessing the Internet and sharing data over a LAN. Media and AV receivers, Blu-ray Disc players, and other components use Wi-Fi to stream audio and video, download metadata, and enable interactive features.

WMA:

Window Media Audio (WMA) is Microsoft's file format and codec for audio (including music.) It's designed to work primarily with Microsoft Windows Media Player software on Window PCs and Windows Mobile smartphones, and Pocket PCs.

Note: NETFLIX uses WMA for their audio compression.

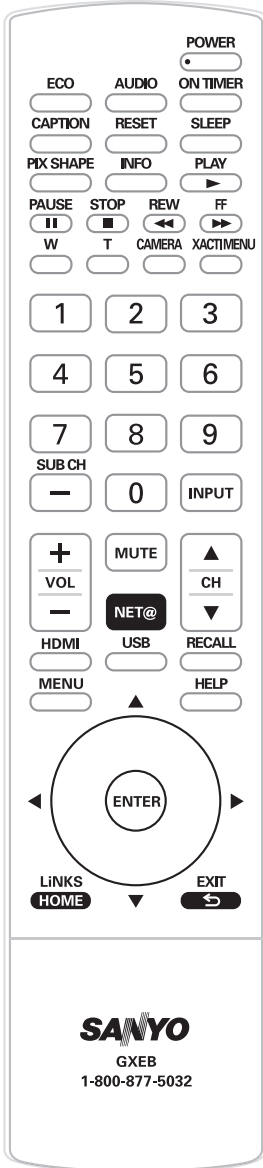
WMV:

Window Media Video (WMV) is Microsoft's file format and codec for video. It's designed to work primarily with Microsoft Windows Media Player software on Window PCs and Windows Mobile smartphones, and Pocket PCs, although some other media player software also supports this software.

Note: NETFLIX uses WMV for their audio compression.



REMOTE CONTROL



RC KEYS FOR NET INPUT USER INTERFACE

POWER key –

Turn on or off the HDTV.

INFO key –

(PANDORA) Open a station's options menu. Use this menu to rename or delete a station.

PLAY, PAUSE, STOP, REW, FF key –

(NETFLIX) Operate playback functions.

(VUDU) Operate playback functions.

NOTE: PANDORA is Internet "Radio" service, only PAUSE key will function during playback.

NET@ key –

Opens the VUDU apps link directly.

LiNKs (HOME) key –

This key will directly select the NET input and entry screen which includes the Netflix link and the VUDU apps link.

This key will also serve as a "home" shortcut key.

EXIT (BACK) key –

Returns to the previously viewed or selected screen when navigating the NET input's Content Services or applications.

NOTE: Use this key to exit playback of movies or radio stations.

ENTER key –

Set or select the highlighted option on the screen.

CURSOR ▲ ▼ ◀ ▶ keys –

Moves the on-screen selection cursor through the different links and options.

NOTE: Selected link or option is normally highlighted around the edges.



NETFLIX is a subscription service streaming movies and TV episodes over the Internet. As a Netflix member you can instantly watch unlimited TV episodes and movies streamed directly to your HDTV.

For general assistance with features and functions of your HDTV:

Call 1-800-877-5032

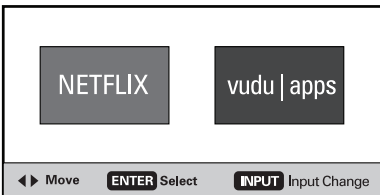
e-mail support@sanyotv.com

If you have specific questions about your cTV operation or internet access, please call or e-mail: **1-877-864-9604** Monday-Friday 7:30am-7:00 pm CT support@sanyotv.com

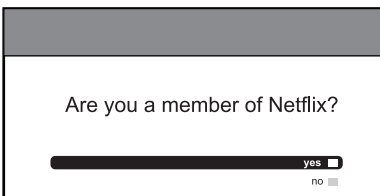
GETTING STARTED WITH NETFLIX

Before you can start to enjoy watching movies and TV programs on your HDTV, be sure that you have correctly setup your internet and LAN connection (see pages 3 and 4.)

Tune to the NET Input by pressing the **LiNKs** key or **NET@** your remote control. This will bring up the NET entry screen.



Select the NETFLIX icon and press **ENTER**.



YES, I'M A NETFLIX MEMBER

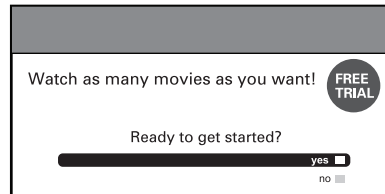
If you're a Netflix member, all you need to do is activate your HDTV as a Netflix Ready Device.

1. Select **Yes** and press **ENTER**.
2. Write down the activation code provided on-screen.
3. On your home computer visit www.netflix.com/activate
4. Log in to your Netflix account and activate your HDTV with the provided code from your TV.
5. Enjoy watching movies and TV programs on your HDTV using your Netflix account.

NO, I'M NOT A NETFLIX MEMBER

If you're not a Netflix member:

1. Select **No** and press **ENTER**.



2. If you wish to start a **FREE TRIAL** activation process, select **Yes** and press **ENTER**.
3. Write down the activation code (trial version) provided on-screen.
4. On your home computer visit www.netflix.com/sanyotv
5. Fill out the required information, including the trial activation code for your HDTV.
6. Enjoy watching your free trial on your HDTV!

NOTE: Sometimes your broadband speed varies based on your Internet Service Provider's network conditions. Contact your ISP if you have problems maintaining a fast connection that is reliable, or if you want to increase your connection speed. Many ISPs offer a variety of broadband speed options.



For Netflix questions and information:
Call 1-866-716-0414 or 1-866-636-3076
or visit <http://www.netflix.com/>

Q: Is Netflix free?

No, a Netflix user account must be created in order to download Netflix content.

Q: What are the basic requirements that must be in place to view Netflix online content using my HDTV?

To view Netflix Watch Instantly content on your HDTV, you need an active Netflix account that allows the viewing of unlimited online content, and a high-speed Internet connection (recommended 1.5 Mbps).

Q: I'm new to Netflix, how do I create a Netflix account?

Using your home computer visit the website www.netflix.com/sanyotv and fill out the required information.

Q: Does the HDTV need to be connected to the Internet at all times?

When watching Netflix online content, yes. If you lose Internet connectivity while watching Netflix online content, you will receive an error/status message indicating that you have lost connection to the Internet.

Q: My Internet connection is fast, but my Netflix streamed video content appears to be displayed in low resolution. What should I do?

Your connection may be affected by other online activity on your network, such as online gaming, file sharing or other video streaming. Lastly, your ISP could be delivering a slower connection to you then they should be.

Q: Where is activation screen on my account? How do you get to it?

It's available under the 'Your Account' page in the Netflix Ready Device Activation section.
Activation page:
<http://www.netflix.com/activate>

Q: What is an "instant queue"?

As a Netflix customer you create a queue, or list, of "DVDs" you want to receive. The instant queue is a list of movies you want to have available on your HDTV to play instantly. Once you add a title to your instant queue, it's available on your TV for playback at anytime.

Q: Are there parental controls on my HDTV?

Yes, you have to use your PC to set the Netflix parental lock feature which allows filtering of rated BD and DVD content. Controls need to be set on the Netflix account page in order to filter rated Netflix content. The HDTV's V-Guide does not control or filter Netflix content.

Q: How do I remove movies and shows from my instant queue?

You can remove titles from your instant queue by using the Instant Queue page on the Netflix website. You can always add those titles back again. There is no extra charge for watching them again.

NOTE: For more Frequently Asked Questions regarding the Netflix service please visit the Sanyo website at www.sanyotv.com.



vudu | apps platform provides access to a wide range of services and applications including streaming video, and music on demand. More than 100 applications are available on VUDU Apps.

VUDU movies application is a movie on-demand service that allows users to instantly stream over 20,000 films using a high-speed internet connection. Movies are available in three different formats: SD (480p), HD (720p), and HDX (1080p/24). The VUDU Movie App uses a pay-per-view model with no monthly fees. Movies are available for rent and/or purchase and added to the service on a weekly basis.

For general assistance with features and functions of your HDTV:

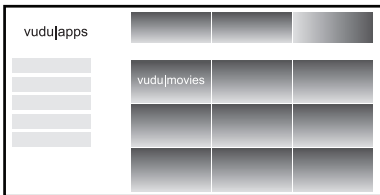
Call 1-800-877-5032

e-mail support@sanyotv.com

If you have specific questions about your cTV operation or internet access, please call or e-mail: **1-877-864-9604** Monday-Friday 7:30am-7:00 pm CT support@sanyotv.com

GETTING STARTED WITH VUDU APPS

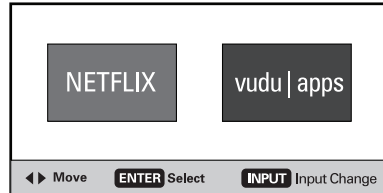
Tune to the VUDU apps by pressing the **NET@** key on your remote control.



VUDU APPS HOME PAGE

VUDU|apps may also be reached by pressing the **LiNKs** key, this will bring up the NET entry screen.

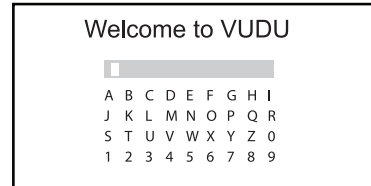
Select the VUDU|apps icon and press **ENTER**



NET ENTRY SCREEN

CREATING A VUDU|MOVIES ACCOUNT

1. Select the VUDU|movies icon and press **ENTER**.
2. Enter your personal e-mail address. Select the *Done* button and press **ENTER**.



3. On your PC, please check your e-mail account's inbox for an e-mail from VUDU.
4. Click on the link provided by VUDU in the e-mail.
5. Follow the instructions to create your VUDU account.
6. After completing the VUDU account process you may enjoy using the VUDU|movies app on your HDTV to watch on-demand movies.

NOTE: Sometimes your broadband speed varies based on your Internet Service Provider's network conditions. Contact your ISP if you have problems maintaining a fast connection that is reliable, or if you want to increase your connection speed. Many ISPs offer a variety of broadband speed options.





VUDU FREQUENTLY ASKED QUESTIONS

For VUDU questions and information:
Call **1-888-554-VUDU**(8838) 7:00am-8:00pm PT,
closed Holidays or visit
<http://supports.vudu.com/contact.php>

- **Is VUDU free?**

No, a VUDU account will need to be activated in order to download movies or programs.

Some VUDU apps are completely free of charge.

- **Do I need a computer to get movies from VUDU?**

You will need a computer to activate your account or to edit your account details, but then VUDU uses your Internet connection to deliver movies straight to your Sanyo cTV. The only requirements for use of the VUDU service are a high-speed broadband Internet connection, and an active account.

- **How much does VUDU cost?**

One-time movie rentals range from \$.99 to \$5.99. Purchased movies range from \$4.99 to \$24.99.

- **How does my free trial work? How does my VUDU account get credit?**

Your free trial will be credited to your VUDU account balance. When you watch a movie the cost of that movie will be deducted from your free trial credit in your account. Once you have used up your free trial credit or once it has expired, VUDU will use the credit card billing information you have provided to make a deposit in your VUDU account. Your initial VUDU account deposit will be \$20.

- **Can I buy movies or only rent them?**

Studios dictate on a case-by-case basis whether a film is available for rental, purchase, or both. If you purchase a movie it is stored permanently on the VUDU server and you will have unlimited access with no expiration.

- **When I rent a movie, do I have to pay to watch it more than once?**

You can watch a rented movie as many times as you like within the 24-hour period initiated by starting to view the movie. You may also find movies from independent studios that allow you a 48 hour period to watch the movie.

- **When I rent a movie, do I have to pay to watch it more than once?**

You can watch a rented movie as many times as you like within the 24-hour period initiated by starting to view the movie. You may also find movies from independent studios that allow you a 48 hour period to watch the movie. After the 24-hour period has expired, you may rent the movie again for a reduced rate.

- **How do I find movies?**

VUDU lets you search for movies by title, actor, or director or browse through genres and special collections. You can also filter titles in your search through criteria like Critics' rating, MPAA rating, date, and studio. While VUDU's search engine is state-of-the-art, it's extremely easy to use.

- **What is HDX?**

HDX™ is a 1080p video format that delivers the highest quality available, a true cinematic experience with a vividly detailed and virtually artifact free picture accompanied by high-resolution, immersive sound.



- **The streaming video keeps freezing.**

This is due to the source not being able to keep up with the stream. If the video is freezing, that means it is still downloading. Pause the video and give it some time to download before resuming playback.

- **Can I enjoy the VUDU service in a different country?**

Currently the VUDU service is only available in the United States.

- **How does billing work?**

You pay for content as you go. When setting up your account, you provide a credit card and choose an amount (\$20, \$50, or \$100, with \$50 being the default amount) to charge the card and create a positive balance in the account. As you rent or purchase movies, the per-movie viewing charges will be debited from your VUDU account. When your account depletes to \$0.00, the pre-selected amount is charged to your credit card and the account is replenished. VUDU keeps a summary and detailed accounting of all charges online and may be viewed there by account-holders. You may cancel your account at anytime and any unused paid account balance will be refunded upon cancellation.

- **How can I increase or change the deposit amount on my account?**

Once you have completed your device activation, you may increase your VUDU deposit amount by performing the following steps:

1. Go to (www.vudu.com) and click the login button.
2. Enter your email address and password to log into your account.
3. You are now on the Account Summary* page. Click "Edit Account".
4. Under Credit Card information, use the drop down menu to choose another Deposit Amount.
5. Click "Update" when finished.

- **How do I cancel my VUDU service?**

Please call VUDU Customer Care at 888-554-VUDU (8838) and an agent will assist you.

NOTE: Before giving your VUDU Device to someone else, please contact VUDU Customer Care to deactivate the VUDU device and cancel your account. Canceling your account ensures that your credit card is not charged for movies purchased by the new owner.

- **If the power goes out in my house and I'm unable to finish the movie I was watching, will I still need to pay the rental fee?**

Under some circumstances, VUDU can credit the cost of a movie-rental for customers in good standing. If you were not able to finish the movie you were watching because of the power outage and your account is current, contact VUDU Customer Care they will be happy to credit the cost of the movie rental charge to your account.

- **How can I correct a mistake in my order?**

Please contact VUDU Customer Care via e-mail at (orders@vudu.com) or by phone at 888-554-VUDU (8838).

- **Where do I find my activation code?**

Please contact Customer Care at 1-888-554-VUDU (8838).

- **I didn't receive the activation email, now what?**

If you did not receive the activation email you will need to click on the 'Free HD Rental' menu from the Home screen. You can either try the "Resend Email" option or choose the "Can't Receive Email" option.

NOTE: For more Frequently Asked Questions regarding the VUDU service please visit the Sanyo website at www.sanyotv.com.



PANDORA INTERNET RADIO is a music discovery service designed to help you enjoy music you already know, and to help you discover new music you'll love by creating stations with personalized streams of music based on one or more artist names or song titles of your choice.

For general assistance with features and functions of your HDTV:

Call 1-800-877-5032

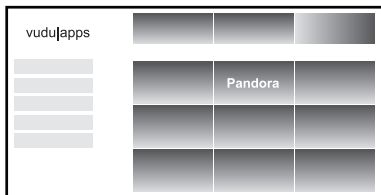
e-mail support@sanyotv.com

If you have specific questions about your cTV operation or internet access, please call or e-mail: **1-877-864-9604** Monday-Friday 7:30am-7:00 pm CT support@sanyotv.com

CREATING A PANDORA ACCOUNT

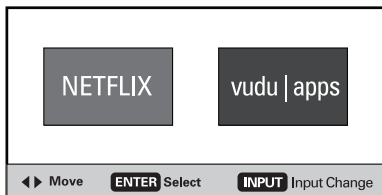
Reach the Pandora app by pressing the **NET@** key on your remote control.

Select the Pandora icon and press **ENTER**.



Pandora app may also be reached by pressing the **LiNKs** key, this will bring up the NET entry screen.

Select the Pandora icon and press **ENTER**.

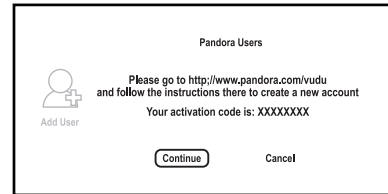


Add User...

Select "Add user..." and press **ENTER**.

I DON'T HAVE AN EXISTING ACCOUNT:

1. Select the Create button and press **ENTER**.



NOTE: Select Continue only after completing the Activation process on your PC.

2. Write down the provided Activation Code that appears on-screen.
3. On your home PC, visit: www.pandora.com/vudu
4. Enter the Activation Code and click Activate.
5. Keep following the Pandora website instructions to create a Pandora account.
6. Click on Finish after you've entered the last song or artist that will be used to create your own personal Pandora stations.
7. Now you may enjoy listening to your Pandora stations on your HDTV.

I ALREADY HAVE AN EXISTING ACCOUNT:

1. Use the on-screen interface to enter the e-mail address you used to create the Pandora account.
2. Select whether or not you wish to enter your password each time you access Pandora on your HDTV.
3. Enter your Pandora account password.
4. Enjoy using your HDTV to listen to all the Pandora stations you've created.



PANDORA FREQUENTLY ASKED QUESTIONS

If you have any questions or would like information regarding the Pandora content service, please visit: <http://blog.pandora.com/faq/> or e-mail pandora-support@pandora.com

- **Is Pandora free?**

Yes. Registering for Pandora will provide you with a free, advertising-supported Pandora account.

- **Why do you need a United States Zip Code when registering?**

Pandora music licenses require listeners to be within the United States.

- **What type of Internet Connection do I need?**

You will need a broadband connection which consistently provides bandwidth of at least 150 Kbps to run Pandora. Dial-up connections will not support Pandora services.

- **What is a Pandora station?**

A Pandora station is a personalized stream of music, based on one or more artist names or song titles of your choice. Each Pandora station is completely unique to you-- no two Pandora stations are ever exactly alike, even if they're based on the exact same artist or song.

- **Can I hear a specific song right away?**

You cannot play a specific song immediately, or "on demand" due to Pandora music licenses.

- **How do I cancel my free Pandora account?**

If you want to fully cancel your Pandora account email (pandora-support@pandora.com) using the email address currently associated with your Pandora account. If you no longer have access to your registered email address, please include the birth year and zip code for that account.

- **Can I play Pandora in my business or get a commercial license to play Pandora?**

If you are playing Pandora for yourself while you work, it's considered personal use even though you are at work. In fact, a large number of our listeners do this. On the other hand, if you are playing Pandora over loudspeakers at your business for your clients or customers, this is considered commercial use and is not permitted by Pandora music licenses or terms of use.

- **Can I listen to Pandora outside of the United States?**

Unfortunately, NO: the Pandora service is available only within the United States. If you visit the www.Pandora.com homepage and you see that your access has been restricted, you may enter your email address to be notified if and when Pandora becomes available legally in your country. If you registered for Pandora in the past, but are now restricted, you can still see your station information by directly visiting (<http://www.pandora.com/backstage>).



- **Why are there ads on the free version of Pandora?**

Pandora's streaming music service is associated with significant costs, including music royalties we pay on every song Pandora play. Advertising allows Pandora to cover those costs while offering you a lot of great music for free. Upgrading to Pandora One, our paid subscription account option, will remove all forms of advertising from Pandora, no matter where or how you choose to listen.

- **What type of classical music is available?**

Pandora has an extensive collection of recorded classical performances, including tens of thousands of recordings by over 500 composers from the Baroque, Classical, Romantic, Modern and Contemporary periods. Pandora will also be adding some music from the Renaissance and Middle Ages, as well as performances of many more works by lesser-known composers.

- **How do I upgrade to Pandora One?**

You can upgrade to Pandora One directly through the Pandora website. Upgrading to Pandora One requires a credit card and is \$36 for one year.

- **Can I rewind or replay a song?**

You cannot rewind, or immediately replay, any song played by Pandora.

- **When should I give a song "Thumbs Up?" What happens when I give "Thumbs Up" to a song?**

When you especially like a song, and want to hear it play a bit more often on that particular station, click the "Thumbs Up" icon in the lower right corner of the song tile, below the album art. The very next set of songs for this station will be directly generated using the song which received the thumbs-up vote as a musical starting point and future sets of songs are slightly more likely to have similar musical traits.

- **How do I create a station from an artist or song that Pandora plays for me?**

If you hear an artist or a song that you would like to use to start a station, click the "Create a New Station" button in the upper left of the main Pandora Tuner that plays the music, then enter that artist name or song title.

NOTE: For more Frequently Asked Questions regarding the Pandora service please visit the Sanyo website at www.sanyotv.com.

