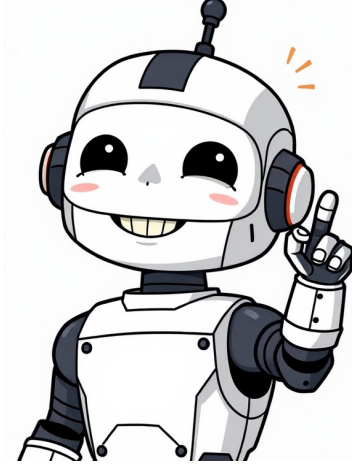


I'm not a robot























The device is compliant with the Federal Communications Commission (FCC) rules, specifically part 15. The operation of this device is subject to two conditions:

1) This device can't cause harmful interference.

2) This device must accept any interference received, which may change or modify its performance.

No changes or modifications not explicitly approved by the manufacturer could void your authority to operate this equipment.

Android TV is an operating system developed by Google that runs on smart TVs and related entertainment devices such as soundbars and set-top boxes. It features a user interface designed around content discovery and voice search, with integration with other recent Google technologies like Assistant, Cast, and Knowledge Graph. Android TV has become a prominent player in the smart television market, offering its subscribers access to a vast array of apps and features that differentiate it from other devices running Android TV.

In May 2022, Android TV boasted an impressive 10,000 compatible apps available on the Play Store, up from the initial 6,500. The platform was first announced at Google I/O in June 2014 as a successor to the commercially unsuccessful Google TV. The ADT-1 development kit was made available to some attendees, which was reportedly based on a scrapped "Nexus TV" launch plan. Google unveiled the first Android TV device, the Nexus Player developed by Asus, in October 2014. Subsequent releases included the ADT-2 development kit and Android TV 10, which debuted on December 10, 2019, along with the ADT-3 development kit. Android TV 11 was released for the ADT-3 on September 22, 2020. These updates were planned alongside similar partnerships with manufacturers. In March 2021, Google announced that it had reached agreements with major US partners starting in February 2021 for the expansion of its home screen service across various streaming services. By August 2021, the new design for the home screen was announced, featuring three rows at the top: Home, Discover, Apps. The Discover tab prevents personalized recommendations for movies, shows, and live TV. Android TV 12 was released on November 30, 2021, with rollouts planned for late 2021 and early 2022. For developers, the ADT-4 development kit will be available since February 2021 and presents personalized recommendations for movies, shows, and live TV. The Android TV home screen now features a new "Shop" tab, allowing users to explore movies to buy or rent and make purchases directly on the device. The tab also includes "Library" for accessing purchases made with the same Google Account from YouTube, other Google TV, and Android TV devices. Android TV supports voice input commands, enabling users to search and discover content available through various apps and services as well as control content playback using built-in Google Assistant. The platform also supports casting via Google Cast from supported devices and apps. Main article: List of Android TV devices

Android TV has powered a wide range of devices, including smart TVs, smart projectors, set-top boxes, and dongles. During Google I/O 2014, it was announced that Sony, Sharp, and TiVo Vision/Philips would release smart TVs with Android TV integrated in 2015. Sony unveiled a range of Bravia smart TVs running Android TV at CES 2015. Sharp released two TV models on June 10, 2015. Philips announced that 80% of their 2015 TVs will run Android TV, with the first two models released in June 2015. Numerous commercial set-top boxes and dongles have been released using Android TV, including Google's Nexus Player, the Nvidia Shield TV, and Xiaomi's Mi Box S, Mi Box S, and Mi TV Stick. Several pay television providers have also released IPTV services using Android TV-based hardware as opposed to a proprietary set-top box. In July 2019, Android TV became available on soundbars. A report by TechCrunch in May 2023 noted that several lines of budget-tier Android TV devices available for ordering on Google TV is set by Google managed on popular apps, installed services, and contractual agreements with partners. A "Shop" tab allows users to explore and purchase video titles distributed under the Google TV service. Starting in 2021, some devices began using the Google TV interface instead of Android TV. By the end of 2022, this had become the standard for most retail devices. Devices still using the Android TV interface were updated with a "Discover UI" home screen redesign in February 2021. Google TV organizes live and on-demand content into genres and topics, including trending titles from Google Search. It features sponsored content and an apps-only mode. The service supports 50 streaming services in the US and various regional services. Google TV is a platform developed by Google for Android television devices. It was initially released in November 2017 and has been updated several times since then.

The evolution of Android TV has been a significant development in the world of streaming and entertainment. From its inception in 2010 to the present day, Android TV has undergone numerous transformations, incorporating new features and technologies to enhance user experience. # Early Days In the early days, Android TV was primarily used for streaming content from various platforms, including Netflix and YouTube. The initial devices were mostly boxes with limited capabilities, but they paved the way for future innovations. # Expansion and Growth As Android TV expanded its reach, it began to incorporate more features and apps, such as Google Play Movies & TV, HBO Max, and Amazon Prime Video. This growth led to a wider range of options for consumers looking for high-end experiences with advanced capabilities, pushing them towards premium products. However, this strategy also introduced challenges, particularly regarding security and privacy concerns. Some third-party installers exploited vulnerabilities to gain unauthorized access to sensitive information, leading to increased scrutiny from regulators and industry watchdogs. Google has taken steps to address this issue, ensuring that future devices are more secure. # Conclusion The evolution of Android TV marks important milestones, from its early days as a streaming platform to its current form as Google TV. As technology continues to advance, it will need to find how Android TV adapts and grows in the years to come. Nine Now is a streaming and catch-up TV service launched by the Nine Network in Australia. The service offers live streaming of Channel 9, 9Gem, 9Go!, 9Life and 9Rush, as well as live news via nine.com.au.

The service replaced 9jump which was a video on demand catch-up TV service for the Nine Network. After its success throughout the Olympics, Jump-in was commercially launched in 2013 as an interactive television app that allowed viewers to view information on the television broadcast and post live comments.

Nine Now is available for streaming, both as an app and website. The service requires users to create an account before allowing access to catch-up content and live streaming. However, unlike competitors 7plus, ABC iView, SBS On Demand, and 10play, 9Now only allows viewers to stream after they have signed up for it.

In April 2010, Ninesms Company released FiXPlay. It was the second catch-up TV service released by a commercial broadcaster in New Zealand. Netix secured a court decision against Apple in April 2016, which ruled in favor of Netix's claim that Apple's App Store policies prevented the distribution of certain types of applications. [1] [5] This ruling came after WIN's attempts to block the streaming of 9Now's programs in regional areas. Following the win, Nine took control over WIN's affiliation beyond June 2016 and established a new regional partnership with Southern Cross Austereo, replacing WIN's affiliation with Network 10.[16][17][18] In August 2017, 9Now updated its logo to further emphasize its connection with the network, coinciding with the platform's growing popularity after receiving four million sign-ups. By June 30th of that year, it was announced that 9Now would cease support for PlayStation 4 consoles.[19][20][21] The following September at Entertainment's 2022 upfront event, updates to the service were unveiled including Full HD channels and FAST (Fast-Accelerated Streaming Technology) content. This update also introduced an innovative homepage design that allows users to jump right into live streaming feeds. Later on December 6th, 9Now added a "Start Over" feature for viewers who wish to relive the beginning of their preferred shows from anywhere in the program. A planned launch was initially slated for October of that year; however it was postponed. In August 2023, the new homepage layout went live. Additionally, on October 25th, Pedestrian TV, a dedicated FAST channel, made its debut on the platform. 9Now has access to almost all Nine Network television programming through various online channels such as Channel 9, 9Gem, 9Go!, 9Life and 9Rush, categorized by their respective genres. There are over 20 different genres for content selection. Users can gain full on-demand streaming of TV programs that air live on the channel. 9Now is a digital streaming service provided by the Nine Network, an Australian television network. It was launched in 2012 as a catch-up TV service allowing users to watch previously broadcast shows at any time. In the early days, it was relegated to select regions, including "Nine's Streaming Service" and "9Now". Over the years, the platform has undergone significant changes, with updates including Full HD streaming capability, improved user interfaces, and enhanced social media integration. Today, 9Now provides a comprehensive suite of services, including live broadcasts, on-demand viewing, and exclusive content. Its extensive catalog spans multiple genres, catering to diverse viewer preferences. The platform also incorporates cutting-edge technology, such as integrating new streaming channels and upgrading its live sport offerings to full HD. In terms of technology, 9Now uses a digital media receiver device to stream content online. This allows users to watch their favorite shows on various devices, including smart TVs, laptops, and mobile phones. The platform also has social media presence on Facebook and Instagram. External links:- Telstra - Christina Aguilera - Videos on demand - The Age - Netflix - Nine Network - National Rugby League - The Sydney Morning Herald - Funimation - Australian Survivor - ANTI - Network 10 - BBC Television - Videotron - Spark New Zealand - Foxtel - WIN Television - GTV (Australian TV station) - The Teaching Company - Canal+ - Robertson, New South Wales - McLeod's Daughters - NBN (TV station) - France Télévisions - History Channel - STW - Australian Associated Press - The Sun-Herald - Nine Radio - Streaming television - Starz - Internet Protocol television - Nine Television - Getaway (TV series) - The Criterion Collection - Regional television in Australia - TCN - Ralph (magazine) - Australian Financial Review - List of best-selling music artists - NWS (TV station) - List of programs broadcast by Nine Network - Hulu - NTD (Australian TV station) - NBA TV - QTQ - Nine News - Madman Entertainment - Todd Woodbridge - Commercial broadcasting

A set-top box picture of a streaming device with remote control Digital media players are consumer electronics used for storing, playback and viewing of digital content. These devices usually have small form factors and come in the shape of compact boxes or dongles that plug into an HDMI port on a television set. They connect to the internet via Ethernet cables or Wi-Fi networks and provide access to streaming services and downloaded apps. Users can download or purchase digital media files like movies, TV episodes, or software using the device's internal connection to digital distribution platforms. Digital media players do not usually include tuners for receiving TV broadcasts or disc drives for playing Blu-rays or DVDs. Some devices like standalone Blu-ray players are more advanced in their functionality and offer similar features to digital media players. Smart TVs integrate these features into their own systems, while some manufacturers license operating system platforms from digital media players and use them as middleware for their smart TVs. Roku is a popular brand of digital media players that provide an easy-to-use interface with TV-specific settings. In the 2010s, people accumulated large collections of digital media files due to advancements in technology like portable media players and digital cameras. The ability to play these files on network-connected devices has become more convenient. YouTube is a common plugin available on most devices, while Netflix offers its interface in many consumer electronics devices for streaming subscribers.Digital media players are designed to convert these media into playable digital signals using a separate computer and software. They are also usually incapable of recording audio or video.

Digital media player functionality is increasingly common in consumer electronics, such as DVD players, set-top boxes, smart TVs, and video game consoles. Some devices, like Xbox 360 from Microsoft, integrate both gaming capabilities and digital media player features. Digital media player manufacturers use different names for their products, including Connected DDD, Digital audio receiver, Digital media adapter, Media Extender, and Media Regulator. Digital media players have revolutionized the way we consume entertainment in our living rooms. Gone are the days of relying on traditional TV sets with limited channels and scheduled programming. Today, we can stream online video from services like Netflix and Amazon Prime Video, giving us complete freedom to choose what to watch and when to watch it. With digital media players, we no longer have to wait for specific airing times. The possibilities are endless, and it's no wonder that digital media players have become an essential part of modern home entertainment systems. In recent years, there has been an explosion in the number of digital media player models available on the market. Brands like AC Ryan, ASUS, Apple, NetGear, Dune, iOmega, Logitech, Pivos Group, Micca, Syabas, and Roku have all joined the fray, each offering a unique range of features and functionalities. But what sets these devices apart from traditional TVs? For one, they often come with low-power consumption processors or System on Chip (SoC) technology, which allows them to handle demanding tasks without consuming excessive energy. They also typically feature integrated digital signal processing (DSP) and graphics processing units (GPUs), making them perfect for handling high-definition video and audio. HD media players, in particular, have become increasingly popular due to their ability to combine digital media playback with a hard drive enclosure. This means that users can store large libraries of content on the device itself, rather than relying on external storage solutions. And with capacities ranging from 1TB to 4TB or more, there's no need to worry about running out of space. But what really sets digital media players apart is their ability to run applications and games from popular stores like the Google Play Store. This means that users can enjoy a wide range of interactive content, from games to personalized communications and social networking features. In terms of connectivity, most digital media players support both wired and wireless connections to the internet and local networks. They often feature HDMI, composite, SCART, and component video outputs, as well as optical audio outputs. Many devices also support USB ports for connecting external storage devices. Furthermore, some players offer additional features like parental controls, closed captions, and subtitles. Formats, they're an essential addition to any modern living room streaming is changing the way people consume television shows and movies. With built-in Bluetooth support for remotes and game-pads or joysticks, some devices allow local media content playback. This convergence of technology and broadband access lets consumers stream TV shows and movies to their high-definition TVs, competing with pay-TV providers. SNL Gangan predicts 12 million households will skip cable, satellite, or telco video service by 2015 using Over The Top services. This trend is new for the broadcast television industry, which is seeing many options for watching movies and TV online grow rapidly. Even as traditional TV service providers trim their customer base, they're adding Broadband Internet customers. Nearly 7.6 million US households get broadband from leading cable and telephone companies. Convergence devices will play a bigger role in the future of broadcast television, shifting revenue streams while giving consumers more options. According to NPD IN-Stad, only about 12 million US households have Web-capable TVs or digital media players connected to the Internet, but IN-stad estimates around 25 million US TV households own sets with built-in network capability. By 2016, IN-Futur predicts that 100 million homes in North America and western Europe will own digital media players and TVs blending traditional programs with Internet content. Since 2015, some dealers have marketed digital media players running the Android operating system as "fully-loaded," offering free streaming access to copyrighted media content, including films and TV programs. These players are often bundled with Kodi software, which includes plugins for accessing streaming services without permission from copyright holders. "Fully-loaded" set-top boxes are sold through online marketplaces like Amazon.com and eBay, and local retailers. Their low cost and ease of use have made them popular, similar to legal subscription services like Netflix. However, these players have been subject to lawsuits claiming copyright infringement. A court ruling rejected a defendant's claim that they were simply marketing hardware with freely available software, instead finding that the defendants were actively encouraging customers to bypass authorized content access methods.[42] 11 additional defendants were subsequently added to the lawsuit. One defendant's lawyer argued that retailers should not be held accountable for their users' actions, citing that any computing device could potentially be used for both legal and illegal purposes.[43] In April 2017, the Federal Court of Appeal blocked an appeal seeking to lift the injunction pending the case's outcome.[44] Despite being freed to use, Kodi developers have not endorsed any add-ons or devices intended for facilitating copyright infringement. Nathan Betzen, president of the XBMC Foundation, stated that the reputation of Kodi had been damaged by third-party retailers who modify the software, install broken piracy add-ons, and advertise Kodi as a means to watch free movies and TV shows before disappearing when users purchase the device and find out the add-on is unreliable.[45][49] Bethan indicated that the XBMC Foundation would enforce its trademarks against those using them to promote Kodi-based products facilitating copyright infringement. Following a lawsuit by Dish Network against TVAaddons, a website offering streaming add-ons often used with Kodi and such devices, the group shut down its add-ons and website in June 2017.[46] A technology analyst speculated that the service might re-emerge under a different name in the future, similar to how torrent trackers have done so previously.[46] In June, the service's operator was also sued by the FBI for allegedly distributing malware to facilitate piracy.[47]

To prevent access to the devices via hacking, Roku disputed the allegations stating that their services were not certified by them or part of their official Channels platform, which requires rights to stream the offered content.[48] Roku also stated that it actively cooperates with reports of channels infringing copyrights.[48] The ruling was overturned in October 2018 after Roku took additional steps to remove channels with unauthorised content from its platform.[49] In