

= Xbox One =

The Xbox One is a home video game console developed by Microsoft . Announced on May 21 , 2013 , it is the successor to the Xbox 360 and the third console in the Xbox family , and was released on November 22 , 2013 , in North America , Europe (in some countries) , Australia and Brazil , September 2 , 2014 , for other Europe countries , September 4 , 2014 , in Japan , and September 29 , 2014 , for China . It competes with Sony 's PlayStation 4 and Nintendo 's Wii U as part of the eighth generation of video game consoles . It is the first Xbox game console to be released in China , specifically in the Shanghai Free @-@ Trade Zone . Microsoft marketed the device as an " all @-@ in @-@ one entertainment system " , which competed against other digital media players , such as the Apple TV and Google TV platforms .

Moving away from its predecessor 's PowerPC @-@ based architecture , the Xbox One marks a shift back to the x86 architecture used in the original Xbox ; it features an AMD Accelerated Processing Unit (APU) built around the x86 @-@ 64 instruction set . The console places an increased emphasis on cloud computing and the integration of entertainment applications and services , offering the ability to overlay live television programming from an existing set @-@ top box or a digital tuner for digital terrestrial television with an enhanced program guide , split @-@ screen multitasking of applications , and improved second @-@ screen support . The console optionally includes a redesigned Kinect sensor , marketed as the " Kinect 2 @.@ 0 " , providing improved motion tracking and voice recognition for use in its graphical user interface (GUI) and games . The Xbox One offers the ability for users to record and share " clips " from gameplay or live @-@ stream directly to Twitch , Ustream , and other streaming platforms . The console 's controller was redesigned over the Xbox 360 's , with a redesigned body , D @-@ pad and triggers capable of delivering directional haptic feedback , as well as the customization of the controller 's button input .

Prior to its official release , the Xbox One received mixed reviews ; the entertainment @-@ oriented features were praised , but controversy surrounded several policy changes since the Xbox 360 's release , including a proposed always @-@ on digital rights management (DRM) system , and concerns over a mandate that the Kinect sensor be used at all times . Microsoft retracted these changes prior to the launch , and it received mostly positive reception for its refined controller design , multimedia features , user interface , and voice navigation .

= = History = =

Xbox One is the successor to Xbox 360 , Microsoft 's previous video game console , which was introduced in 2005 as part of the seventh generation of video game consoles . In April 2016 , Microsoft announced the end of production of the 360 . Over the years , the 360 had received a number of small hardware revisions to reduce the unit 's size and improve its reliability . In 2010 , Microsoft 's Chris Lewis stated that the 360 was about " halfway " through its lifecycle ; this was aided by the introduction of the Kinect motion sensor that year , which Lewis stated would extend the lifecycle by five years .

Initial hardware for the 360 's successor , commonly referred to by the industry as the " Xbox 720 " , was reportedly in hands of developers as early as May 2011 . The official developer kit was codenamed Durango , and appeared to be available to developers by mid @-@ 2012 . Leaked documents suggested that the new console would include an improved Kinect sensor , cloud access to games and media , integration with phone and tablet devices , and technology to provide players heads @-@ up displays on glasses worn by the player , codenamed " Fortaleza " ; Microsoft did not comment on these reported features . Similar , leaked design documents also suggested that Microsoft was seeking to eliminate the ability to play used games , though Microsoft later clarified they were still reviewing the design and were " thinking about what is next and how we can push the boundaries of technology like we did with Kinect " , but did not comment on the validity of the information .

The console was publicly unveiled under the name Xbox One on May 21 , 2013 in a press conference designed to cover the unit 's broad multimedia and social capabilities . A second press

event for the console was held during E3 on June 10 , 2013 , focusing on its video game @-@ oriented functionality . At that time , Microsoft announced that the console would be released in 21 different markets on November 22 , 2013 , but this was later amended down to 13 . The change , which pushed the release date for the other eight markets to 2014 , was attributed to unforeseen complexity in localizing the device 's voice recognition capabilities . Later , in September 2014 , the Xbox One was released in 26 markets , including remaining markets in Europe , the Japanese market , and Middle Eastern markets .

From the first announcement to the actual launch of the product , Microsoft made some significant changes to the console . Initially the system was to be able to play a disc @-@ based game without the disc after the initial install ; however , this came with a requirement that the users would have to connect online once per day , as well as restrictions on used games . These policies were reversed in June 2013 .

In 2015 , four members of an international hacking group pleaded guilty to gaining unauthorized access to Microsoft 's computer network and obtaining sensitive information relating to Xbox One and Xbox Live . At the time of the security breach , Microsoft was in the development stage for its next @-@ generation gaming system . Between 2011 and 2013 , the hackers spent hundreds of hours searching through Microsoft 's network copying log @-@ in credentials , source code , technical specifications and other data . Group members say they were driven by an immense curiosity about Microsoft 's then @-@ unreleased Xbox One console and associated software . " Using stolen access credentials " , two of the hackers also committed a physical theft by entering " a secure building on Microsoft 's Redmond Washington campus " and carrying away three " Durango " development kits .

= = Hardware = =

= = = Design = = =

Xbox One 's exterior casing consists of a two @-@ tone " liquid black " finish ; with half finished in a matte grey , and the other in a glossier black . The matte side of the top of the console consists of a large air vent . The design was intended to evoke a more entertainment @-@ oriented and simplified look than previous iterations of the console ; among other changes , the LED rings used by Xbox 360 are replaced by a glowing white Xbox logo used to communicate the system 's status to the user . Due to the overall ventilation design of the console , Xbox One is designed to only sit horizontally , unlike its competitor , the PlayStation 4 .

= = = Internals = = =

Xbox One is powered by an AMD " Jaguar " Accelerated Processing Unit (APU) with two quad @-@ core modules totaling eight x86 @-@ 64 cores clocked at 1 @.@ 75 GHz , and 8 GB of DDR3 RAM with a memory bandwidth of 68 @.@ 3 GB / s . The memory subsystem also features an additional 32 MB of " embedded static " RAM , or ESRAM , with a memory bandwidth of 109 GB / s . Eurogamer were told prior to its release that , for simultaneous read and write operations , the ESRAM is capable of a theoretical memory bandwidth of 192 GB / s and that a memory bandwidth of 133 GB / s has been achieved with operations that involved alpha transparency blending . The system includes a non @-@ replaceable hard drive and a Blu @-@ ray Disc optical drive . 138 GB of hard drive space is used by the operating system , with the remainder available for the storage of games . Since the June 2014 software update , up to two USB drives can be connected to Xbox One to expand its capacity . External drives must support USB 3 @.@ 0 and have a capacity of at least 256 GB .

It was reported that 3 GB of RAM would be reserved for the operating system and utility software , leaving 5 GB for games . With DirectX 11 @.@ 2 as the console 's API , the graphics processing unit (GPU) is based on an AMD GCN architecture with 12 compute units , which have a total of 768

cores , running at 853 MHz providing an estimated peak theoretical power of 1 @. @ 31 TFLOPS . For networking , Xbox One supports Gigabit Ethernet , 802.11n wireless , and Wi @- @ Fi Direct .

Xbox One supports 4K resolution (3840 × 2160) (2160p) video output and 7 @. @ 1 surround sound . Yusuf Mehdi , corporate vice president of marketing and strategy for Microsoft , has stated that there is no hardware restriction that would prevent games from running at 4K resolution . Unlike the Xbox 360 , the Xbox One does not support 1080i and other interlaced resolutions . Xbox One supports HDMI 1 @. @ 4 for both input and output , and does not support composite or component video .

The console can monitor its internal temperature and adjust accordingly to prevent overheating ; alongside increasing fan speed , additional measures can be taken , including forcing the hardware to run in a lower power state ? a feature that was not present on Xbox 360 . Restricting power consumption lowers maximum performance , but the setting would be intended as a last resort to prevent permanent hardware damage .

= = = Controller = = =

The Xbox One 's controller maintains the overall layout found in the Xbox 360 's controller , but with various refinements to its form . Among its changes include a smoother form , textured analog sticks , a four @- @ way directional pad , and redesigned triggers and shoulder buttons with a curved shape for ergonomics . " Menu " and " View " buttons have replaced the Start and Select buttons . Each trigger features independent rumble motors called " Impulse Triggers " , which allows developers to program directional vibration . One trigger can be made to vibrate when firing a gun , or both can work together to create feedback that indicates the direction of an incoming hit . The controller also contains light emitters that allow it to be tracked and paired using the Kinect sensor , and to detect when it 's not being held to automatically enter a low @- @ power state . An updated revision of the controller was released in June 2015 , which includes a 3 @. @ 5 @- @ millimeter headphone jack and other minor changes .

The Xbox One controller includes a micro USB port ; when attached via a micro @- @ USB cable , the controller can operate without battery power and can charge remotely , and is supported on computers running Windows 7 or later with drivers . The Xbox One Wireless Adapter accessory allows wireless use of Xbox One controllers on Windows computers also running Windows 7 or later .

The Elite Wireless Controller , or just Elite Controller , was released in October 2015 . It was described and marketed as " an elite controller for the elite gamer " , containing interchangeable parts , " hair trigger locks " for the triggers that allow users to reduce the amount of distance they must be pressed to register a press , and software for remapping buttons .

= = = Kinect 2 @. @ 0 sensor = = =

The Kinect 2 @. @ 0 , an updated natural user interface sensor , was redesigned and recreated to provide motion tracking and voice commands for the Xbox One .

Kinect 2 @. @ 0 features a wide @- @ angle time @- @ of @- @ flight camera and a 1080p camera , in comparison to the VGA resolution of the Xbox 360 version , and processes 2GB per second of data to map its environment . Kinect 2 @. @ 0 has an improved accuracy over its predecessor : it can track up to 6 people , referred to as " skeletons " at once , perform heart rate tracking , can track controller gestures , and QR codes to redeem Xbox Live gift cards . By default , voice recognition is active at all times , so the console can receive voice commands from the user when needed , even when the console is in sleep mode , as it is possible to awaken the console with a command , although settings are available to change which individual Kinect functions are active .

Prior to and after the mandate , all Xbox One consoles initially shipped with the Kinect sensor included . On June 9 , 2014 , cheaper Xbox One bundles were introduced , which slashed out the Kinect . Microsoft stated the decision to offer Xbox One bundles without Kinect was to " [offer] a choice to people that would allow people to buy an Xbox One and then ramp up to Kinect when they

can afford to ", while also allowing games to use processing power that was previously reserved for Kinect . An updated Xbox Development Kit issued in June 2014 allows developers to explicitly disable motion tracking functionality in games , allowing access to additional system resources that represent about 10 % of the GPU processing power . These resources were previously reserved for Kinect skeletal tracking , regardless of whether the Kinect sensor was attached or in use .

A Windows compatible Kinect 2 @. @ 0 was released on July 15 , 2014 . Kinect 2 @. @ 0 was released as a standalone and optional item in October 2014 ; it is bundled with a digital copy of Dance Central Spotlight .

= = Software and services = =

Xbox One runs two operating systems within a hypervisor ; games run within one separate operating system , while apps and the user interface run within a stripped @-@ down " core " variant of Windows 10 , originally Windows 8 during its launch . This architecture allows resources to be allocated specifically to different aspects of the console 's functions , including multitasking and Kinect processing , ensuring an " absolute guarantee of performance " for games . Apps can be " snapped " to the side of the screen as a form of multitasking . Xbox One now supports Universal Windows Platform apps , which can be designed to run across Xbox One , Windows 10 , and Windows 10 Mobile in synchronization with the Windows platform .

Xbox One 's user interface is modeled on the Metro design language . The dashboard is divided into " Home " , " Community " , " OneGuide " , and " Store " sections . A guide sidebar is accessed by double @-@ pressing the Xbox Guide button , providing access to common functions such as the friends list , apps , the user 's party , and settings . Users can go back to the dashboard while using games or apps using either the Xbox button on their controller or a voice command ; up to four apps can run (either actively or in the background) at once , but only one game can run at a time . Use of Kinect enables the ability to control the console via voice commands . Xbox One 's voice control capabilities are similar to , albeit richer than those of Xbox 360 . Motion control support was also available on the dashboard with Kinect ; however , this feature has been removed from the New Xbox One Experience due to low usage . The voice assistant Cortana will be added in 2016 to provide expanded voice command functionality with natural language recognition .

The dashboard originally used a layout similar to Windows 8 's " Start screen " , with a horizontal @-@ scrolling , tile @-@ based interface . This design was replaced for Xbox Preview Program members in September 2015 with the current interface , known as " the New Xbox One Experience " , which was publicly released as part of the November 12 , 2015 system update .

= = Multimedia features = =

The Xbox One can view and play content from DLNA servers and USB storage devices using the " Media Player " app . An application allows playback of video from Blu @-@ ray Disc , DVD and CD media .

Xbox One provides the ability to feed live television by serving as an HDMI pass @-@ through for an existing television provider 's set @-@ top box or an optional Digital TV Tuner accessory that allows use of digital terrestrial television . The console provides its own electronic program guide known as OneGuide , augmenting the existing streaming functionality to provide show recommendations based on viewing history , integrated access to " App Channels " corresponding to online video services , and voice control via Kinect . The set @-@ top box and television are controlled by OneGuide using an IR blaster .

Xbox One does not provide full DVR functionality for recording television programs : executive Yusuf Mehdi indicated that Xbox One would " work in tandem " with existing television services , but that Microsoft would need to work with them directly to provide extended functionality , such as DVR integration . The digital TV tuner accessory allows limited DVR functionality for pausing and rewinding live TV for up to 30 minutes . In June 2016 , Microsoft announced that their plans for full DVR functionality for the Xbox One were on hold .

=== Xbox Live ===

The Xbox Live service has been scaled up to use 300 @, @ 000 servers for Xbox One users . Cloud storage is available to save music , films , games and saved content , and developers are able to use Live servers (along with the Windows Azure cloud computing platform) to offer dynamic in @-@ game content and other functionality . Users can have up to 1 @, @ 000 friends . The Xbox Avatars were reinstated in " the New Xbox Experience " update .

Players can use the Upload Studio app to edit and share clips from the last five minutes of gameplay footage that is automatically recorded by the console . Games can also be developed so that recording can automatically be triggered in response to notable events , such as achievements . Xbox One also integrates with the live streaming platform Twitch ; users can use voice commands to immediately begin streaming footage of their current game directly to the service , and use Kinect 's camera and microphone to record video and audio narration . Users can feature recorded clips on their Xbox Live profile page in a " Showcase " section .

As with Xbox 360 , premium online features such as multiplayer , voice communication , broadcasting and Upload Studio , as well as Games with Gold require an Xbox Live Gold subscription to use . Unlike Xbox 360 , a user 's Xbox Live Gold subscription benefits apply to all other users of their designated " home " console as well , rather than requiring a separate subscription for each user . Since June 2014 , applications no longer require an Xbox Live Gold membership to use . Additional subscriptions for outside services such as Netflix may still be required .

=== Second screen and streaming ===

The Xbox SmartGlass app provides extended functionality on Xbox One , allowing devices running Windows Phone , Windows 8 , iOS and Android to be used as a companion device for Xbox One features , such as powering on the console , a remote control , accessing messages and the Activity Feed , purchasing content , and providing integration with certain games and content . The SmartGlass app can also be used to stream live TV to Android and Windows devices if the console is using a USB digital TV tuner .

On Windows 10 , SmartGlass is succeeded by the Xbox App , which supports the local streaming of games from Xbox One to personal computers and tablets running Windows 10 . An Xbox One controller must be used , but Windows @-@ compatible headsets and microphones can be used for voice chat . Games requiring Kinect are not supported , while Game DVR and online streaming are not available while using this functionality .

Per a partnership with Oculus VR , users will also be able to stream Xbox One games to the Oculus Rift virtual reality headset by means of Xbox app for Windows 10 ; there are currently no immediate plans for direct integration between Xbox One and Oculus Rift .

=== Games ===

Xbox One games are distributed at retail on Blu @-@ ray Disc , and digitally as downloads through Xbox Games Store . All Xbox One games must be installed to the console 's storage : users can begin to play portions of a game (such as opening levels) once the installation or download reaches a specific point , while the remainder of the game is downloaded or installed in the background . Updates to games and system software are also downloaded in the background and while in standby . If the game is installed from physical media , the disc is still required for validation purposes . If the game is installed on another console , and that console owner no longer has access to the disc , the owner has the option of unlocking the install on their hard drive by purchasing it through Xbox Live ; the installed game then acts as a game installed on the hard drive . An active internet connection may be required for some games , particularly those that integrate cloud computing .

== Backward compatibility ==

At its launch , the Xbox One did not have native backward compatibility with original Xbox or Xbox 360 games . Senior project management and planning director Albert Penello explained that Microsoft was initially considering a cloud gaming platform to enable backward compatibility , but he felt it would be " problematic " due to varying internet connection qualities . Xbox Live director of programming Larry " Major Nelson " Hryb did state that users could theoretically use the HDMI @-@ in port on the console to pass an Xbox 360 (or , alternatively , any other device that supports HDMI output , including competing consoles) through Xbox One . This process does generate a small amount of unnoticeable display lag .

Xbox 360 backward compatibility uses a software emulator within the system software ; 104 Xbox 360 titles were supported at the feature 's public launch , with more to be added in the following months . Xbox 360 games contained within Rare Replay are packaged as standalone applications using the Xbox 360 emulation . Microsoft stated that publishers would only need to provide permission to the company to allow the repackaging , and they expect the number of supported games to increase significantly over time . Microsoft , along with fourteen other third @-@ party publishers , will offer supported games , and all Games with Gold titles on Xbox 360 since November 2015 are made compatible.Xbox division head Phil Spencer has also hinted the possibility of adding support for games from the original Xbox , but they are focusing on Xbox 360 compatibility first .

== Reception ==

== Pre @-@ release ==

== Post @-@ unveiling ==

After the official unveiling of Xbox One in May 2013 , the editorial staff of Game Informer offered both praise and criticism for the console . Matt Helgeson described the console as Microsoft 's intent to " control the living room " . He called Xbox One 's instant switching features " impressive " , and that the console was " a step in the right direction " with regards to TV entertainment , especially the prospect of avoiding the usage of non @-@ intuitive user interfaces often found on cable set @-@ top boxes . Jeff Cork said that Microsoft had " some great ideas " for the console , but that it failed to properly communicate them .

== DRM controversy , E3 2013 ==

Microsoft initially announced a different game licensing scheme for Xbox One than what was used upon its release : all games , including those purchased at retail , would be bound to the user 's Xbox Live account . Users could access their purchased games from any other Xbox One console , play games without their disc once installed , and allow users to " share " their games with up to ten designated " family " members . Users would trade games at " participating retailers " , and could also transfer a game directly to any Xbox Live friend on their list for at least 30 days , but only once . To synchronize licenses , the console would be required to connect to the internet once every 24 hours ; if the console could not connect , all games would be disabled until the console was connected again .

Reaction to this digital rights management scheme was greatly negative . Critics felt that the changes would infringe on consumers ' first @-@ sale rights for games purchased on physical media , as games would only be licensed to users rather than sold , and the disc itself would only be used to install the game and not confer ownership of its license or permission to resell . Microsoft

also stated that publishers could impose restrictions or activation fees on second @-@ hand copies of games . Xbox Chief Marketing and Strategy Officer Yusuf Mehdi explained that the system was built with digital distribution in mind , but that Microsoft wanted to maintain the availability of games on physical media . He also noted that Microsoft was not " giving in " to publishers ' objections to used games , but rather trying to balance the needs of consumers and the industry , and that the trading and sharing abilities of the platform added a level of flexibility not seen on other online distribution platforms at the time .

Microsoft 's E3 press conference on June 10 , 2013 , was also criticized for focusing too much on games that , beyond increased graphical capabilities , provided experiences that were otherwise similar to previous @-@ generation games ? giving little incentive for buying the new console . After Sony 's E3 press conference later that evening , GameSpot editor Tom Mcshea went on to say that Microsoft had become anti @-@ consumerist , trying to " punish their loyal customers " with strict restrictions , and that " by saying no to the used game restrictions and always @-@ online that Microsoft is so happily implementing on the Xbox One , Sony has elevated the PlayStation 4 as the console to grab this holiday season . " Rafi Mohammed , author of " The Art of Pricing " felt that Microsoft priced Xbox One " too high " , and the \$ 100 premium over its competitor could " derail " the system during the 2013 holiday season .

= = = Response from Microsoft = = =

On June 19 , 2013 , Microsoft announced , in response to the negative reaction , that it would reverse its changes to Xbox One 's DRM and game licensing model . As with Xbox 360 , users would be able to share and resell physical games without restrictions , and beyond a mandatory software update upon the console 's initial setup process to enable playback of Blu @-@ ray and DVD video , the console would not require a permanent internet connection to operate . These changes required the family sharing features , along with the ability to play games without their disc after installation , to be dropped . Xbox One chief product officer Marc Whitten stated that the family sharing feature may return in the future , but could not be implemented on launch due to time restraints . Don Mattrick , the then president of Microsoft 's Interactive Entertainment Business , stated that the licensing changes were in response to the negative public reaction . Other analysts believed that the change was in direct response of Sony 's aggressive position during its E3 press conference . Mattrick , who had been a leader in Xbox One development , announced his departure from Microsoft on July 1 , 2013 , to become CEO of Zynga . Analysts speculated that his departure was predicated on the poor response and subsequent reversal of the plans for Xbox One .

Microsoft also backtracked on a similarly controversial requirement for the Kinect sensor to be plugged into Xbox One at all times for it to function . Privacy advocates argued that Kinect sensor data could be used for targeted advertising , and to perform unauthorized surveillance on users . In response to these claims , Microsoft reiterated that Kinect voice recognition and motion tracking can be disabled by users , Kinect data cannot be used for advertising per its privacy policy , and that the console would not redistribute user @-@ generated content without permission . In response to these pre @-@ launch changes and a belief that Microsoft 's decisions for the systems were in poor judgement , journalists and consumers jokingly gave Xbox One nicknames such as " Xbox 180 " , in reference to the Xbox 360 and Microsoft 's decision to reverse its controversial decisions , and " Xbone " , suggesting that the company was " throwing a bone " to consumers by making these changes .

= = = Critical reception = = =

Upon its release , the Xbox One received favorable reviews from critics and reviewers . In its launch review , Polygon gave the Xbox One an 8 out of 10 . Its design was described as " inoffensive " but its larger size noted , while the console 's quieter and cooler operation was praised for indicating a potentially higher reliability than Xbox 360 was on @-@ launch . The controller was praised for its battery life and " premium " design , but some members of the site 's staff felt that its shoulder

buttons were stiffer than that of previous designs . The design of Xbox One 's interface received mixed reviews : noting that it carried over Windows 8 's design language , the interface was disfavored for hiding functions under the controller 's menu button and for being awkward to use with a controller or motion gestures , seemingly encouraging users to use voice navigation instead . While praised for having more " robust " voice navigation than Xbox 360 , they felt that voice navigation still had a " learning curve in understanding what works and what doesn 't . " Although its user following , Smart Match , and improved voice chat features were noted , Xbox Live was panned for not offering the ability on @-@ launch to use one 's real name (as on PlayStation 4) . Despite a regression in local and network multimedia functionality in comparison to Xbox 360 and how OneGuide interacted with outside set @-@ top boxes (drawing comparisons to the operations of TiVo DVRs) , Polygon felt the Xbox One 's overall multimedia experience " feels like a major step forward in set @-@ top boxes and makes the Xbox One the obvious center of any living room that has one . "

Engadget was similarly modest upon its launch , describing the Xbox One 's design as a " 1993 artist 's rendering of 2013 's technology " . Acknowledging that its controller was a mere refinement of the " ubiquit [ous] " Xbox 360 design , they praised the controller for its improved D @-@ pad and quieter triggers but criticized its stiff shoulder buttons . Kinect received positive reviews for its face recognition login and improved motion tracking , but that whilst " magical " , " every false positive or unrecognized [voice] command had us reaching for the controller . " The overall interface was also considered more intuitive and flexible than that of PlayStation 4 , but its game library view was described as being a " jumbled , sadly unfilterable rows of every owned piece of software " , that also knowingly listed games that require their disc to run alongside those which did not . The console was also panned for missing certain promised features on @-@ launch , such as Upload Studio , game streaming , and certain apps / services .

Later on , critics felt that the Xbox One 's functionality had matured over the year following its launch ; CNET acknowledged improvements to Xbox One 's software since its original release , but that its user interface was still unintuitive in comparison to Xbox 360 and PlayStation 4 , explaining that " navigating the interface seems to be much more problematic than it rightfully should be , and there 's simply not enough transparency in the logic within it . There are oddities peppered throughout , which is the root for countless headaches and frustrations . " Xbox One 's in @-@ game performance was mixed , with some titles showing slower performance over PS4 , but some multi @-@ platform games performing better on Xbox One than PS4 . CNET praised the console 's providing a better lineup of multimedia services and apps over PS4 , free cloud @-@ synced save data for all users (PS4 requires PlayStation Plus for such functionality) , support for high @-@ speed USB 3 @.@ 0 as secondary storage , and having a " slightly better " lineup of upcoming exclusives , concluding that " While the PS4 had a clear advantage at launch , that edge is slowly evaporating as Microsoft has worked feverishly to undo most of the Xbox One 's original missteps . "

TechRadar similarly felt that Xbox One " [felt] more like a media titan today than it did 12 months ago , " citing OneGuide , Upload Studio , and Microsoft 's decision to drop the Xbox Live Gold requirement for multimedia streaming apps , and that " there 's still a lot of potential locked away inside the hardware of the system that developers are just beginning to figure out . So while PlayStation might have the upper hand for now when it comes to certain third @-@ party titles , it may not always remain that way . Just how Microsoft will get it to that point , though , is still a mystery . " However , they disfavored the console 's dependence upon a subscription for most of its functionality , Kinect 's voice recognition , and that some games do not natively run at 1080p resolution , but are upscaled .

IGN also praised how Xbox One had evolved since its launch , acknowledging that Microsoft had " made good on its promise of listening to consumers , rolling out a steady stream of updates that have both broadened and deepened what this third Xbox console offers . " Regarding the console 's slightly lower level of graphics capabilities in comparison to PlayStation 4 , it was noted that " while videophiles might spot instances of upscaled graphics and less detailed environments immediately , most people generally won 't notice a difference between Xbox One and PlayStation 4 versions of a

game (when there is one) unless they see both running side by side " , and examples of " gorgeous " Xbox One games were noted , such as Sunset Overdrive and Forza Motorsport 5 . The number of " hidden " options in Xbox One 's user interface was equated to " hunting for treasure in a messy room " ; as such , Kinect voice commands , in combination with access to common functions within the Xbox SmartGlass app , were praised for helping to provide a more streamlined user experience .

= = Retail configurations = =

On launch , Xbox One was available in a single retail configuration , which included the console with 500 GB hard drive , one controller , and Kinect sensor . In the United States , it retailed for US \$ 499 . On June 9 , 2014 , Microsoft released a new Xbox One retail configuration that excludes the Kinect sensor , costing US \$ 399 . A standalone Kinect sensor for Xbox One for use with these models was released in October 2014 , retailing at US \$ 150 . On June 16 , 2015 , Microsoft lowered the price of the stock model to US \$ 349 , and released a new US \$ 399 model containing a 1 terabyte hard drive and in some markets , Halo : The Master Chief Collection . In May 2016 , Microsoft lowered the price of selected 500 GB bundles to US \$ 299 , and 1 TB bundles to US \$ 319 as a limited time offer of unspecified length . On June 14 , 2016 , the price of 500 GB models was lowered once more to US \$ 279 through October 2016 , in anticipation of the launch of Xbox One S.

On August 31 , 2015 , Microsoft announced Xbox One Elite ? a new SKU with a 1 TB solid @-@ state hybrid drive and an Elite controller . It was released in November 2015 and retails for US \$ 499 @.@ 99 . In the US , the Elite bundle was a timed exclusive to GameStop and Microsoft Store . The Xbox One Elite bundle was dropped to \$ 349 .

= = = Special editions = = =

Those who pre @-@ ordered Xbox One for its release received a special " Day One Edition " , which featured a " DAY ONE 2013 " inscriptions on the controller , and a unique achievement . A white " Launch Team " edition was given exclusively to Microsoft staff members , featuring the inscription " I made this , LAUNCH TEAM 2013 " on the console and controller , and was bundled with Dead Rising 3 , Forza Motorsport 5 , Ryse : Son of Rome , and Zoo Tycoon . A similar limited edition was gifted to Respawn Entertainment employees following the release of Titanfall , with a black , white , and orange color scheme and a similarly @-@ styled controller inspired by the game (the controller itself would be released publicly as a tie @-@ in) .

Xbox One consoles bundled with digital copies of specific games have also been released , including Titanfall and Forza Motorsport 5 .

In October 2014 , a non @-@ Kinect bundle featuring a white Xbox One and a coupon for a digital copy of Sunset Overdrive was released , marking the first public availability of white Xbox One models . A similar white hardware bundle was released for Quantum Break .

In November 2014 , a limited edition 1 TB bundle was released for Call of Duty : Advanced Warfare , featuring a dark grey and gold hardware , controller design , and customized sound effects on the console 's power and eject buttons inspired by the aesthetics of the in @-@ game Sentinel Task Force , a coupon for a digital copy of Advanced Warfare 's " Day Zero " edition , and special in @-@ game items .

Bundles featuring coupons for digital copies of both Assassin 's Creed Unity and Assassin 's Creed IV : Black Flag were released in November 2014 : the Kinect @-@ equipped version also includes a coupon for a digital copy of Dance Central Spotlight .

Another non @-@ Kinect bundle was released in March 2015 that includes a coupon for a digital copy of Halo : The Master Chief Collection .

A 1 TB Forza Motorsport 6 bundle was released on September 15 , 2015 , which features blue @-@ colored hardware with racing stripes and a push @-@ button start @-@ inspired design around the power button , and customized hardware sound effects .

A limited @-@ edition 1TB Halo 5 : Guardians bundle was released on October 20 , 2015 (one

week before the launch of the game itself) , and features a gunmetal gray finish with metallic blue accents , military insignia detailing , and customized hardware sound effects .

= = = Sales = = =

On November 22 , 2013 , Microsoft confirmed that it had sold one million Xbox One consoles within its first 24 hours of being available . Based on approximately 102 @, @ 000 shopping receipts tracked by InfoScout , 1 @, @ 500 of which included a purchase of either a video game or a video game console , the Xbox One was the highest @- @ selling console during the Black Friday sales period in the United States .

On December 11 , 2013 , Microsoft announced that it had sold approximately 2 million units in its first 18 days on sale . On December 12 , 2013 , Microsoft announced it was the fastest selling console in the United States based on NPD Group figures , however the NPD report clarified , " PlayStation 4 sales included an additional week within the November data month compared to Xbox One . When looking at sales on an average per @- @ week basis , Xbox One led PS4 . Keep in mind , however , that supply typically becomes constrained in the second week after launch . "

On January 6 , 2014 , Microsoft announced that approximately 3 million consoles had been sold worldwide in 2013 . In their Q2 2014 earnings report on January 23 , 2014 , Microsoft announced that 3 @. @ 9 million Xbox One units had been shipped worldwide . On November 12 , 2014 , Microsoft announced they had shipped almost 10 million units to retailers worldwide . The company also revealed that a price cut had tripled U.S. sales of the console over the previous week . On December 11 , 2014 , Microsoft announced , based on NPD Group figures , that Xbox One was the best @- @ selling console in November 2014 .

The Xbox One has sold poorly in Japan , selling a total figure of 23 @, @ 562 consoles within its launch week . By comparison , the Xbox 360 sold 62 @, @ 000 consoles in Japan during its opening week in 2005 . In the week ending June 14 , 2015 the Xbox One sold just 100 consoles in Japan , by way of comparison , in the same week the Wii U sold 16 @, @ 413 consoles .

Although Microsoft has not released official cumulative sales numbers since December of the launch year , Electronic Arts reported during a financial call that the Xbox One has sold over 19 million consoles , as of January 2016 .

= = Hardware revisions = =