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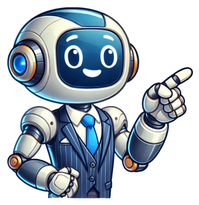

If you have sent a print job and nothing prints, try these solutions: Make sure your product is turned on and connected to your computer. Make sure any interface cables are connected securely at both ends. If you connected your product to a USB hub, make sure it is a first-tier hub. If it still does not print, connect your product directly to your computer instead of the hub. If the printer cannot print using a USB connection, disconnect the USB cable from the computer, right-click on the printer icon displayed on the computer, and select Remove Device. Then connect the USB cable to the computer and try a test print. If your computer is connected using a USB cable, try a different USB port on your computer or a different cable. Make sure the printer status is not offline or pending. Make sure you are using the Epson printer driver for your product or the available functions are limited. Run a product check to see if a test page prints. If the test page prints, check to see if your product software is installed correctly. Make sure your system meets the requirements for your operating system. If you are printing a high-resolution image, you may need more than the minimum requirements. Print the image at a lower resolution or if necessary, increase your system's memory. In Windows, make sure your product is selected as the default printer and the printer port setting matches the printer connection port. In Windows, delete all jobs from the Windows Spooler. Click Print Queue on the Maintenance tab in the printer settings window, and cancel any stalled print jobs. On a Mac, make sure the printer is added to the printer list and the printer is not paused. If you are using the PostScript printing software, make sure the printing language setting on the control panel is set to Auto or PS. In Windows, the product may not print if a large number of print jobs are sent. Try selecting Print directly to the printer on the Advanced tab in the printer properties. During Epsons printer cleaning cycle, it dispels ink from its nozzles down a waste pipe into an absorbent pad. Epson has put a counter in their printers that counts every page passed through the printer and has set the printer to shut down after a certain number to prevent overflow of the waste ink pad. Usually, your printers waste pad is around 40% to 80% full when the printer starts showing an error message. After the initial message, you can only print 20 pages before your Epson printer refuses to print anymore. There is a workaround that you can use to reset the counter to its initial state. Follow these steps to solve the Epson waste ink pad in the printer is saturated error.Warning: Ideally, you should reset the counter when you clean or replace the waste pad. Try to clean or replace the waste ink pad as soon as possible to avoid overflow of ink and any possible damage to your printer.Download the Utility (here). Use WinRar to extract the file. Once extracted and before you begin, make sure your printers driver is already installed on the computer.Double-click exe to run the utility.Epson adjustment program screen will appear. Click Select to select the model of your Epson printer.A new window will appear. Select your printer model and click OK.On the next screen, click the button titled Particular adjustment mode.A list of options will appear. Choose the Waste ink pad counter under the maintenance group and click OK.Another screen will appear. Make sure that the Main pad counter checkbox on this page is checked. Click the Check button to check the current protection counters value. Click Initialization button to reset the protection counter to the initial value. Video Library 3:26 EpsonYUIMA NAKAZATO The collaborative journey of YUIMA NAKAZATO and Epson towards the evolution of sustainable fashion. 22:10 The collection "FADE" by YUIMA NAKAZATO for Paris Haute Couture Fashion Week Spring - Summer 2025 12:16 Video of the new collection by YUIMA NAKAZATO 04:59 [Epson trailer edition] YUIMA NAKAZATO Documentary Movie "DUST TO DUST" 01:44 Epson Corporate Purpose 01:59 Our Journey 01:02 Earth Hour 2024 and Epson 00:52 Switch to Heat-Free Technology 01:20 Epson's small paper cycle: PaperLab 03:09 The Fantas Aquarium 2023 Over time, ink can dry up and clog the print head nozzles, preventing proper ink flow and resulting in incomplete or missing prints. This is a common issue, especially if the printer is unused regularly. Solution: Using the Printers Cleaning Utility: Most Epson printers have a built-in cleaning utility that can be accessed via the printer's control panel or software on your computer. Running this utility can help clear minor clogs.Manual Cleaning: For severe clogs, you might need to clean the print heads manually. This involves carefully removing the print heads and using a cleaning solution to dissolve dried ink. Be sure to follow the manufacturer's instructions for this process. Incorrect Cartridge Installation If ink cartridges are not installed correctly, the printer may not recognize them or may not be able to draw ink properly. Solution: Checking and Reinstalling Cartridges: Open the printer and ensure that each cartridge is securely installed in the correct slot. Remove and reinsert each cartridge, making sure it clicks into place. Confirm that the cartridges are correctly aligned and seated. Outdated or Corrupt Printer Drivers Printer drivers are essential for communicating between your printer and computer. Outdated or corrupt drivers can cause printing issues. Solution: Updating Drivers from the Epson Website: Visit the Epson support website and download the latest drivers for your specific printer model. Install these drivers to ensure proper functionality. Regularly checking for driver updates can prevent many common issues. Printer Settings Issues Explanation of the IssueIncorrect printer settings can prevent the printer from functioning correctly. These might include the wrong paper size, print quality settings, or the printer being set to offline mode. Solution: Verifying and Adjusting Printer Settings: Go to the control panel on your computer, select Devices and Printers, and ensure your Epson printer is set as the default printer and is online. Check the print settings to match your requirements, such as paper size, type, and print quality settings. Firmware Issues Firmware is the software that runs on your printer. Bugs or outdated firmware can cause operational problems. Solution: Updating the Printers Firmware: Check for firmware updates on the Epson website. Follow the instructions to download and install the latest firmware. This can resolve various bugs and improve overall printer performance. Third-Party Cartridges Using third-party or refilled cartridges can sometimes cause compatibility issues with Epson printers, leading to printing problems. Solution: Switching to Genuine Epson Cartridges: Replace third-party cartridges with genuine Epson cartridges to ensure compatibility and optimal performance. Genuine cartridges are designed specifically for your printer model, providing better reliability and print quality.Printer Hardware Problems Explanation of Possible Hardware Issues Hardware problems, such as a malfunctioning print head or other internal components, can prevent your printer from working correctly.Solution:Seeking Professional Help: If none of the above solutions work, it may be time to seek professional assistance. Search for printer repair near me to find local services to diagnose and fix the issue.Cartridge World is also a reliable option for professional maintenance and repair services. They offer comprehensive repair solutions and can help keep your printer running smoothly.Addressing these common causes and solutions can help you troubleshoot and resolve many of the issues that prevent your Epson printer from printing despite having full ink cartridges. Regular maintenance and using genuine parts are key to maintaining your printer's performance and longevity. Section 2: Maintenance Tips to Prevent Printing Issues Regular Print Head Cleaning Regular print head cleaning is crucial for maintaining the performance and longevity of your Epson printer. Over time, ink can dry and clog the nozzles, leading to poor print quality or complete print failure. Regular cleaning prevents these clogs and ensures consistent print quality. Steps to Perform Regular Cleaning Automatic Cleaning: Use the printers built-in cleaning utility. Access this through the printer's control panel or the software installed on your computer. Run the cleaning cycle every few months or whenever print quality declines. Manual Cleaning: If the automatic cleaning doesnt resolve the issue, manually clean the print heads. Carefully remove the print head and use a cleaning solution designed for inkjet printers. Follow the manufacturers instructions to avoid damaging the print head. Using Genuine Cartridges Genuine Epson cartridges are designed to work seamlessly with your printer. They provide the best print quality and reliability. Using genuine cartridges ensures that the ink is of the correct consistency and quality, which reduces the risk of clogs and print head damage.Using genuine cartridges ensures optimal printer performance and helps maintain the warranty. Third-party cartridges might save money initially but can lead to compatibility issues, poor print quality, and potential damage to the printer. Using non-genuine cartridges can also void your printers warranty, leaving you without repair support. Firmware and Driver Updates Firmware and driver updates often include bug fixes, performance improvements, and new features. Keeping them up to date ensures your printer operates efficiently and stays compatible with your operating system. How to Check for Updates Drivers: Visit the Epson website and navigate to the support section. Enter your printer model and download the latest drivers. Install them according to the provided instructions. Firmware: Check the Epson website for firmware updates. Follow the steps to download and install the updates, ensuring your printer has the latest enhancements and fixes. Section 3: When to Seek Professional Help While many printer issues can be resolved with simple troubleshooting, some problems require the expertise of a professional. Here are signs that its time to seek professional help: Recurrent Problems: If youve repeatedly tried to fix the same issue without success, professional assistance may be necessary.Error Messages: Persistent error messages that do not clear after standard troubleshooting.Poor Print Quality: Consistently poor print quality despite cleaning and using genuine cartridges.Physical Damage: Visible damage to the printer, such as broken components or electrical issues. Common Symptoms of Hardware Issues Hardware problems can often manifest in specific ways: Unusual Noises: Grinding, clicking, or other unusual noises during operation.Paper Jams: Frequent paper jams that are not resolved by clearing the paper path.Connectivity Issues: Inability to connect to the printer via USB or network connections.Print Head Issues: Persistent problems with the print head, such as misalignment or failure to move. Finding Reliable Printer Repair Services Tips for Searching Printer Repair Near MeWhen its time to find a professional, searching printer repair near me can help locate local services.Heres how to find a reliable service: Online Search: Use search engines to find local repair services by typing printer repair near me. Include your location to get the most relevant results. Local Listings: Check local business directories and review sites like Yelp or Google My Business for listings and reviews. Cartridge World Services Cartridge World is a well-known provider of printer-related services, offering a range of solutions to help keep your printer running smoothly: Cartridge Refills and Replacements: High-quality refills and genuine cartridge replacements for various printer brands, including Epson.Printer Repair Services: Professional repair services for a wide range of printer issues, including hardware and software problems.Maintenance Plans: Regular maintenance services to keep your printer in top condition and prevent issues before they arise. Benefits of Professional Maintenance and Repair Expertise: Professional technicians have the knowledge and tools to diagnose and fix issues accurately and efficiently.Warranty Protection: Using professional services can help maintain your printers warranty, especially when using genuine parts and certified technicians.Time Savings: Professional repair services can save you time and hassle, getting your printer back in working order quickly.Long-Term Reliability: Regular maintenance and professional repairs can extend the life of your printer, ensuring reliable performance over time. By recognizing when to seek professional help and choosing a reliable service, you can ensure your Epson printer receives the care it needs to function optimally. Whether it's addressing persistent issues, finding a trustworthy repair service, or utilizing Cartridge Worlds offerings, professional assistance can make a significant difference in maintaining your printers health and performance. Conclusion In this blog, we explored the common reasons why your Epson printer might not be printing despite having full ink cartridges. We covered potential causes such as print head nozzle clogs, incorrect cartridge installation, outdated or corrupt printer drivers, incorrect printer settings, firmware issues, and the use of third-party cartridges. We also discussed hardware problems that might require professional intervention. Additionally, we provided maintenance tips to prevent these issues, including regular print head cleaning, using genuine cartridges, keeping firmware and drivers updated, and proper cartridge storage and handling.Regular maintenance is crucial to ensure the smooth operation of your printer. Cleaning print heads, using genuine Epson cartridges, and keeping firmware and drivers updated can significantly reduce the likelihood of encountering printing issues. Using genuine parts not only ensures compatibility and optimal performance but also helps maintain your printer's warranty and extends its lifespan.While many printer issues can be resolved with DIY troubleshooting and regular maintenance, some problems require the expertise of a professional. Persistent issues, hardware problems, and complex malfunctions are best handled by certified technicians to prevent further damage and ensure effective repairs.Consult Local Printer Repair Services or Cartridge World for Further AssistanceIf your Epson printer continues to experience problems despite following the troubleshooting steps and maintenance tips provided, it's time to seek professional help. Look for local printer repair services by searching "printer repair near me" to find reputable repair shops in your area. Cartridge World also offers reliable maintenance and repair services, ensuring your printer receives the best care. Dont hesitate to reach out for expert assistance to keep your printer functioning at its best.By following the advice and solutions provided in this blog, you can effectively address and prevent printing issues, ensuring your Epson printer operates smoothly and efficiently. Question:I have an Epson EcoTank printer that Ive barely used since purchasing it two years ago. I set it up last year, but it wont print anythingno color, no black, nothing. Please help!Answer:To begin, double-check to make sure that the ink tanks are not only full but are also filled with the correct ink. Assuming the tanks are good, next you prime the dampers. You can follow this helpful YouTube video guide (for step-by-step instructions on this process.After priming the dampers, print a nozzle check from your printers maintenance menu. If it still doesn't, do 2-3 head clean cycles. Just dont do more than 3 cycles in a rowgive the printer a break between cleanings or it might overheat.If the nozzle check still isnt flawlessly uniform, use the cleaning schedule below for best results:Day One:Do the cleaning function three times, or until the nozzle check is perfect.Switch off the printer for a period of time at least 10 minutes.Perform the cleaning subprocess three times more (or until nozzle check looks great).If the nozzle check is still imperfect, stop and wait 12 hours before resuming.Day Two:Do the cleaning function 3 times, or as needed, until the nozzle check is perfect.Switch the printer off for 10 mins or more.Run the cleaning function three more times or until the nozzle check is perfect.However, if you run a nozzle check and it is still imperfect after doing this schedule, please contact us. You can have one or two missing pixels in the nozzle check but your nozzle check should be perfect.Print at least one page a day to avoid future clogs. If a clog does form, repeat this cleaning process as necessary.Additional Guidance:Addressing printer issues can sometimes be a hands-on process, and were unable to provide remote troubleshooting or repair support for such cases. However, we do offer an in-person evaluation and repair service at our local diagnostic facility (. Due to high demand, appointments are on a first-come, first-served basis, so there may be a wait time before we can accommodate your printer.If you prefer a self-help approach, our YouTube channel (bchtechnologies) has an extensive library of videos covering a variety of printer issues. Use the search function under the About tab to find videos tailored to your problem. YouTubes algorithm may also suggest related content from other creators to guide you further. Programs and AppsFix: Spell Check Not Working in Microsoft Word (365 or 2016+) Windows TroubleshootingFix: Quick Assist Connection Error: Minimum Security Standards Not Met Windows TipsHow to Lock Your Windows PC Remotely 4 Easy Methods Programs and AppsHow to Fix Out of GPU Memory in Blender Programs and AppsFix: Ubisoft Connect Disk Access Error/Disk Write ErrorPage 2GHz stands for gigahertz and is used to measure radio frequencies, including those for Wi-Fi, which operates on 2.4 GHz and 5 GHz bands, impacting data transmission and device connectivity.The 2.4 GHz band offers wider coverage and better penetration through walls, but it's slower and more prone to interference compared to the 5 GHz band, which provides faster data speeds and less congestion but has a shorter range.The choice between 2.4 GHz and 5 GHz depends on your proximity to the router and the type of online activities you engage in. Use 5 GHz for high-speed needs close to the router, and 2.4 GHz for broader coverage across larger distances.Unlike Internet speeds where the higher equals the better, frequency speeds like 2.4 GHz, 5 GHz, or even 6 GHz work a bit differently. This means that if you are in a coffee shop with both 2.4 GHz and 5 GHz networks available, going for the latter is probably not the best choice as 2.4 GHZ can offer a faster internet connection than 5 GHz depending on the situation.In this article, we will break down the differences between 2.4 GHz and 5 GHz and which one is right for you. So, lets jump right in!GHz explained!GHz refers to gigahertz and is an electromagnetic radio frequency used to transmit information like sounds or images via radio, television, mobile phones, and wireless internet connections. Since Wi-Fi frequency bands are higher than FM radio they are measured in Gigahertz which equals one billion hertz rather than Megahertz which equals one million hertz.Now what do the numbers before GHz mean? Well, these numbers (2.4 and 5) represent the two different bands of radio frequencies used by your Wi-Fi router to connect to internet-enabled devices in your home or office. The reason why router manufacturers label the two individually is because each of them is useful for a different purpose.The two primary factors are speed and range when discussing the differences between 2.4GHz and 5GHz. Lets look closely at these two along with a few others.ProsCons2.4 GHz Greater coverage area Better penetration through walls and objects Slower data speeds More prone to interference and congestion5 GHz Faster data speeds Less interference and congestion Shorter coverage area Less effective at penetrating through solid objectsA quick breakdown between the twoIn terms of speed, the 5 GHz band has a significant advantage as it provides faster data rates compared to 2.4 GHz which offers a slower speed. Specifically, 2.4 GHz can deliver max speed of up to 100 megabits per second (Mbps), while 5 GHz can deliver up to 1 gigabit per second (Gbps).Wireless connection speedSo, whether youre streaming HD video, gaming online, or downloading large files, the 5 GHz network offers the speed you need for smoother and faster performance.While 5 GHz is great for faster speeds, it falls short when covering larger distances. Conversely, the biggest advantage of 2.4 GHz is that it can cover longer distances. Due to its lower wireless frequency, the 2.4 GHz frequency can penetrate through walls and other solid objects better than higher frequency ones. For comparison, a 2.4 GHz signal drops by 70% through drywall, while a 5 GHz signal drops by 90%.Which one has better range and coverage?Another advantage of lower frequencies is longer wavelengths which allows them to bend around furniture and objects more easily. This makes it ideal for use in large spaces as youll have fewer Wi-Fi dead spots and better coverage around your home.A Wi-Fi frequency band is divided into channels which is the medium through which we send or receive data. The 2.4 GHz frequency band has 11 channels whereas the 5 GHz band has 45 different channels. However, out of the 11 only 3 (1, 6, and 11) can work without interfering with each other. The rest often overlap and interfere with the operation of sending and receiving data.Channel AvailabilityChannel interference can significantly affect your internet connection and the most common cause of this is Congestion. Network channels are like highways and if too many cars use the same one or two lanes it can cause a traffic jam. When theres a lot of data traffic on a signal channel everything slows down and your Wi-Fi signal drops.By comparison, the 5 GHz band has 21 non-overlapping channels which allows it to have less interference and offer faster speeds. Additionally, with 5 GHz being less crowded than 2 GHz, theres less chance of congestion, making Wi-Fi connections more reliable.Now that you know that a 2.4 GHz is slower but travels further than 5 GHz frequencies which provide faster data speeds but at the cost of a shorter range, its time to choose the best one for yourself. The choice of using 2.4 GHz or 5 GHz depends on how far you are and how you want to use your Wi-Fi.Before we jump into that, one thing we recommend to you is the use of a wired ethernet connection. This means that if you have a device that supports an ethernet connection, make use of that as wired connections dont have to deal with channel interference and offer faster connection and lower latency. They are a bit awkward to set up but you get to enjoy the best speeds. Gaming, streaming, or other activities that require high bandwidth work much more smoothly when using 5 GHz. On top of that if you are in an apartment or somewhere with a lot of devices, using a 5 GHz frequency band can help you avoid interference and congestion.On the other hand, if you are using your smartphone from the other side of the room, your best bet is to use 2.4 GHz as it offers a greater coverage area. When using the 2.4 GHz band, its ideal to use devices that require low bandwidth like home security systems, garage openers, smartphones, and other smart home devices. Dual-Band Wi-Fi Routers Dual-band Wi-Fi routers are a type of wireless router that can broadcast two separate Wi-Fi networks at the same time, one on the 2.4 GHz band and the other on the 5 GHz band. This allows for more flexibility in the network setup, allowing devices to connect to the network on the band that is most suitable for their needs. Router: A simultaneous dual-band router has better technology and is capable of broadcasting both 2.4 GHz and 5 GHz at the same time. With this one, youll have two networks with list identical names except for a 5G or 2.4G at the end. This allows you to individually connect to each network band from your device. While simultaneous dual-band routers are a bit more expensive than selectable dual-band routers, their advantage outweighs the cost. Apart from these two, you also have tri-band routers which as you guessed can broadcast three networks simultaneously two 5 GHz signals and one 2.4 GHz signal. So, if you have several devices operating on a 5 GHz network you can benefit from a tri-band router.6 GHz is the newest addition to the Wi-Fi frequency band family and it is supposed to offer faster speeds and less congestion than 5 GHz. While the speed jump from 5 GHz to 6 GHz is not as significant as we saw in 2.4 GHz vs 5 GHz what matters is that with 6 GHz the total available space for data to travel will almost be quadrupled.5 GHz or 6GZ ?To find devices that support the latest frequency, youll have to look for the label Wi-Fi 6E which stands for Wi-Fi extended into the 6 GHz band. However, its important to note that you will not be able to utilize the benefits of 6 GHz even if your device supports it until you buy a Wi-Fi 6E router.All in all, the differences between 2.4 GHz and 5 GHz boils down to speed and coverage area, and choosing between the two depends on your situation. Luckily, if you have a dual-band router, you can enjoy both frequency bands simultaneously. With newer technologies on the rise, its a matter of time before 5 GHz is swept into the past. Wi-Fi 6 (802.11ax) is the latest wireless standard that promises faster speeds, better efficiency, and improved performance in crowded environments. It utilizes advanced technologies like OFDMA (Orthogonal Frequency Division Multiple Access) and MU-MIMO (Multi-User Multiple Input Multiple Output) to enhance data transmission and reduce latency, ensuring a smoother and more reliable connection. What does OFDMA mean? OFDMA stands for Orthogonal Frequency Division Multiple Access. It is a technology used in routers to improve the efficiency of Wi-Fi networks by allowing multiple devices to transmit and receive data simultaneously. MU-MIMO enables concurrent communication with multiple devices, leading to faster and more efficient Wi-Fi connections.What are some popular dual-band routers?Popular dual-band routers like TP-Link Archer AXE75, which is a Wi-Fi 6 router with excellent performance, and the Asus RT-AX86U Pro, designed for gaming enthusiasts. Additionally, the Eero Pro 6E Tri-Band Mesh Wi-Fi System (3-Pack) extends coverage using Wi-Fi 6E technology, while the Linksys Dual-Band AX5400 Wi-Fi 6 Router great for streaming.Quick Answer:If your Epson printer isnt working, try these quick fixes to get it running again:Check the Basics First Make sure the printer is turned on, paper is loaded correctly, ink levels are sufficient, and the printer is connected to your computer or Wi-Fi.Check for Error Messages Look for error codes or blinking lights on the printer display; for issues like "E-01," check for paper jams, clear debris, and restart the printer.Restart Everything Power off the printer, unplug it, restart your computer, and reconnect everything after a minute.Check Your Printers Connection For USB, confirm the cable is securely connected; for Wi-Fi, reconnect to your network using the printers setup menu.Set Your Printer as Default On Windows, right-click your printer in Devices & Printers and select Set as Default; on Mac, set it in Printers & Scanners.Clear the Print Queue On Windows, cancel jobs in Set Printer Properties and restart the printer service; on Mac, cancel jobs in Printers & Scanners.Update or Reinstall Your Printer Driver Outdated or corrupt printer drivers can cause problems. You might need to update or reinstall them.Visit the Epson Support Website and search for your printer model.Download and install the latest drivers for your operating system.Restart your computer after installing the drivers. Clean the Print Head (If Print Quality Is Poor)If your printer is printing blank pages, fading text, or streaks appear, cleaning the print head may improve quality.Access the printer settings through your computer or control panel.Initiate the print head cleaning process.Allow the printer to complete the cleaning cycle.Repeat the process if necessary, but avoid excessive cleaning to prevent ink waste.Check the printer manual to see if the print head is removable.If removable, gently remove the print head following the instructions in the manual.Soak it in a cleaning solution or warm water to dissolve dried ink.Allow it to dry completely before reinstalling it.For more advanced, and manual cleaning methods, you can refer to our detailed guide here. Check for Firmware UpdatesSometimes firmware updates are necessary for your printer to work correctly. Check Epsons website for firmware updates and install them if needed. While there are different methods to resolve printing issues with Epson printers, some users may still find the problem unresolved despite trying all the recommended solutions. In some cases, this frustration even leads users to replace their printers with other brands.However, before making such a decision, its a good idea to reach out to Epson support for expert assistancethey may help resolve the issue or guide you on the next steps. Not to be confused with Nakano.Core city in Chibu, JapanNagano Core cityFrom top of left, Zenkoji, Mount Togakushi, Kinasa village, Nagano Big Hat arena, Aerial in Wawanakajima, Susobana Valley[ja], headquarters of Marukome (famous miso manufacturing company) in Nagano, Oyaki Japanese sweets a.k.a. Imagawayaki, Togakushi ski resort[ja], and Hishiro CastleFlagSelf-Allocation of Nagano in Nagano PrefectureNaganoCoordinates: 36°35′N 138°11′E / 36.6486°N 138.1947°E / 36.6486; 138.1947Coun tryJapanRegionChubu (Koshin etsu)PrefectureNaganoGovernmentMayorKenji Oyamada[1]AreaTotal834.81km2 (322.32sqmi)PopulationJul 1, 2023Total365,296Density440/km2 (1,100/sqmi)Time zoneUTC+9 (Japan Standard Time)City flowerLilium lancifolium (Tiger lily)City treeLarix kaempferi (Japanese larch)Phone number026-227-5000Address1-1-1 Minami-Chitose, Nagano-shi, Nagano 380-8512 JapanWebsitecity.nagano.lg.jp Nagano (Japanese: Lit. "Long Field") is the capital city of Nagano Prefecture, Japan. The city is surrounded by mountains, the highest of which is Mount Takatsuma (2,353m), and it is near the confluence of the Chikuma Riverthe longest and widest river in Japanand the Sai River. As of 1July2023[update], the city had an estimated population of 365,296 in 160,625 households, and a population density of 438 persons per km.[4] The total area of the city is 834.81 square kilometres (322.32sqmi).Nagano City, located in the former Shinano Province, developed in the Nara period (AD 710 to 794) as a temple town (monzen machi). The city of Nagano is home to Zenkoji, a 7th-century Buddhist temple that is listed as a Japanese National Treasure. Zenkoji established its current location in 642 AD. The location of Zenkoji is approximately two kilometers from the present-day central Nagano Station. Between 1553 and 1564, during the Sengoku Period, the age of Warring States, Nagano was the site of a series of conflicts known as the Battles of Kawanakajima. During the Edo period (1603 and 1868), as the city developed, Nagano became an important post station (shukuba) on the Hokkoku Kaid highway which connected Edo (present day Tokyo) with coast of the Sea of Japan. Following the Meiji restoration, Nagano became the first established modern town in Nagano prefecture. On April 1, 1897,The city of Nagano and several surrounding communities hosted the 1998 Winter Olympics and the 1998 Winter Paralympics. Nagano City is an important historical location and industrial center, as well as a travel destination and a hub for accessing surrounding sightseeing spots, including Japan's onsen-bathing, the snow monkeys in Yamanouchi, and the world-class ski resorts of Hakuba. Nagano City is also a major transportation hub, with the Nagano Station serving as a key connection point for the Hokuriku Shinkansen (bullet train) and various other railways and highways. The city's economy is diverse, with industries ranging from agriculture, manufacturing, and tourism. The city is also known for its cultural heritage, including the Zenkoji Temple and the traditional festivals and events that are held in Asia. As of 2019, Nagano was the southernmost host of the Winter Olympic Games. The Nagano Olympic Commemorative Marathon is held annually to commemorate the occasion.One important legacy of the Games was an improved transportation network. In order to facilitate access to Nagano in advance of the Games, the city was linked to the high-speed shinkansen train network. The Nagano Shinkansen (now the Hokuriku Shinkansen) was inaugurated five months before the start of the Games and carried 655,000 passengers during the Winter Olympics.[5] In addition, both Nagano Station and Shinonoi Station were expanded, and Imai Station, in the Kawanakajima area, was built to give access the Athletes village. The Nagano Expressway and the Jshin-etsu Expressway were built in the Nagano region,[6] and another 114.9 kilometers of roads within Nagano Prefecture were improved.[7]In addition to a transport legacy, several world-class venues of the 1998 Winter Olympics were built, including M-Wave, Japan's first International Skating Union (ISU) standard indoor 400m double-track,[8] which happens to be one of the largest hanging wooden-roof structures in the world.[9] The Athletes Village, beside the newly constructed Imai Station, was built in advance of the Games by the city of Nagano as future public residential housing, and leased to the Nagano Olympic Organizing Committee during the Games.[10] A Media Village, composed of a four-block 10-12 storey apartment complex named Asahi Danchi, was built in the Asahi district of Nagano, across the street from the M-Wave.[11][12] Asahi Danchi now includes private sector housing as well as public housing operated by the Nagano Prefecture Housing Supply Corporation.[13] The Nagano Olympic Stadium, which was the venue for the Opening and Closing Ceremonies for the Games, is located in the Wakaho district of Nagano City along the Chikuma River.ClubSportLeagueVenueEstablishedAC Nagano ParceiroSoccerJ LeagueMinami Nagano Sports Park Stadium1990AC Nagano Parceiro LadiesSoccerWE.LeagueMinami Nagano Sports Park Stadium2000Shinano GrandserowsBaseballBC.LeagueNagano Olympic Stadium2006Boaluz NaganoFutsalF.LeagueWhite Ring2011Shinshu Brave WarriorsBasketballB.LeagueWhite Ring2011Minami Nagano Sports Park StadiumNagano Olympic StadiumWhite RingJunichi Kakizaki, flower artistYuto Adachi, member of K-pop boy band PentagonYoko Aki, songwriter, actress, novelist and essayistKazuo Aoki, politicianEita, professional wrestlerJoe Hisaishi, composerHaruyo Ichikawa, actressToshimi Kitazawa, politicianTakeru Kobayashi, competitive eaterKenji Kosaka, politicianKiyoshige Koyama, composerIsao Kuraishi, actorTadamichi Kuribayashi, general, Imperial Japanese ArmyHiro Mashima, manga artistSaki Minemura, professional volleyball athleteEmi Nitta, voice actressHarua Shigeta, member of J-pop group &TeamShusei Tanaka, politicianRika Tatsumi, professional wrestlerNagano (city)Japanese macaque at Jigokudani hotspringZenk-jiYushimatennmanguDowntown NaganoDaimon-choNagano Station, Zenk-ji EntranceM-Wave arenaNagano Olympic Stadium (Nagano Baseball Stadium)Aqua Wing ArenaChikuma River, from Yashima BridgeNagano Holy Saviour (Anglican) Church (est. 1898), a nationally registered Tangible Cultural PropertyKagami-ike Pond, in Togakushi, Nagano 2019Skyline of Nagano City^ ^ (trans. 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