Continue

You can connect smartphones to the TV via Miracast or USB. While casting an entire phone screen to a TV is possible through Miracast, USB mode is limited to data transfer only. Through this mode, you can view the selective contents on your phone directly on your TV. However, you should have a compatible USB cable that supports data transfer. In this article, you will learn step-by-step procedures on how to connect your Android phone or iPhone to TV using a USB cable. Android phones can be easily connected to the TV using a USB cable. All you need is a cable that has a USB Type-A connector on one end and a Type-B or Type-C connector on the other end. Simply connect the USB Type-A end to the USB port of the TV and the other end to the charging port of your phone. The location of the USB port on your TV can vary depending on the manufacturer. They are generally located in the back panel of the TV where all other ports are present. Please check and connect it accordingly. Here, we are using Samsung 4 Series TV for demonstration purposes. Once you connect your Android phone to the TV, a popup menu will appear asking you to choose among the connectivity options. You should select the relevant connection mode to view your files on the TV. Choose Transferring files / Android Auto to access all the files and folders on your Android phone or choose Transferring images to view images only. After that, tap Allow in the confirmation popup. After setting the connection mode on your Android phone, now you should change the input source on the TV. Modern TVs have a USB mode that allows exploring contents from USB devices including smartphones. Press the Source button on your Samsung TV remote. Alternatively, you can press the Home button. Then, go to the lower left corner and choose Source. From the list of available sources, tap the name that corresponds to your devices name. Wait a few seconds and the TV will start displaying files from your Android phone. Note: While browsing files from USB, the file thumbnails can appear different than the original ones. In such cases, you need to restart your TV and re-establish the connection. Similarly, you can also view your iPhones media library and other files on the TV. The same Lightning to USB cable that comes within your iPhone box will help accomplish the job. However, some latest models of iPhones come with a Lightning to Type-C USB cable. In such cases, you should get a Type-C to USB adapter for conversion. Connect the lightning end of the cable to the lightning port on your iPhone and plug the USB connector of the cable into the USB port on the TV. After physically connecting your iPhone to the TV, you should give a one-tap permission to the TV. Then only the TV can access files and folders on your iPhone and display them. Simply tap Allow on your iPhone screen once you see Allow this device to access photos and videos? Now that you have granted the permissions on your iPhone, you should change the source on your TV. Grab your TV remote and press the Home button. A popup will appear on the lower part of your TV screen. Move to the left and tap Source. Choose iPhone. Wait till the TV starts displaying the files and folders from your iPhone. Today, we will delve into the process of playing videos on your smart TV, specifically focusing on Android TV and Google TV. One might assume that playing a video on these platforms is as simple as transferring it to a USB drive and plugging it into the TV. However, due to certain restrictions imposed by Googles Android TV and Google TV operating systems, the process is not as straightforward. For Android TV versions below 11, including devices like MiBox S, Tivo Stream 4k, onn box, and Fire TV stick, you can indeed copy your video files to a USB drive. However, not all devices support NTFS, so you might need to format your disk in FAT32 or exFAT partitions. Once you connect the USB drive to your TV, youll notice that there is no pre-installed video player. In this case, you can download the Video Player for Android TV (search keyword: com.tvdevfactory.miboxvideoplayer) app from the Google Play Store. This app allows you to access and play video files from your USB drive on your TV. For Android TV version 11 and above, the process becomes more complicated. Directly accessing USB drives from apps has been restricted, and Google requires all apps to use the storage access framework to access video files. However, some devices, like NVIDIA SHIELD, support this framework. For devices such as MI TV STICK, which also use Android TV 11 but lack storage access framework support, accessing video files from a disk becomes impossible. The solution lies in using the Video Player for Android TV (search: com.tvdevfactory.miboxvideoplayer in Google Play store to locate it quickly) app, which can be downloaded from the Google Play Store. This app supports SAF, allowing you to play video files on NVIDIA SHIELD and similar devices. For Android TV 11 devices without SAF and newer Google TV devices (e.g., TCL TV, Chromecast with Google TV, MIBOX S GEN2), a challenge arises. Although Google and TV box vendors require apps to use SAF, they do not provide SAF support on these devices. The solution here is to play videos directly from the cloud, given the fast internet speeds available in most countries. You can open videos directly from cloud storage platforms such as Google Drive. To do this, use the Video Player for Android TV (search: com.tvdevfactory.miboxvideoplayer in Google Play store to locate it quickly) app, available on the Google Play Store. This app enables you to play videos stored on cloud platforms like Google Drive, Dropbox, and Synology NAS directly on your smart TV. In summary, the Video Player for Android TV (search: com.tvdevfactory.miboxvideoplayer in Google Play store to locate it quickly) app serves as a comprehensive solution for playing various video file formats, including mp4, mkv, and ts, on your smart TV. It supports subtitles and provides a seamless viewing experience. For further details, please refer to the product page on the Google Play Store. How to Play Video from USB on TV? A TV with a USB port does not guarantee that you can plug in any USB and play media files from it. There is still some preparation to be done. Follow the steps below to learn more about how to play movies from USB on your TV. Its important to understand that the USB ports on a TV are not just for playing files from USB. Some USB ports, especially those on older TVs, are solely used by engineers to run software testing and debugging. Before proceeding, you'll want to check your TV's user manual or the manufacturer's website to confirm whether your TV supports USB video playback. If your TV has multiple USB ports, make sure you are using the correct USB port for media playback. USB drives come in many versions and formats. There are USB 2.0, USB 3.0 and other versions. There are also USB formats such as NTFS, HFS+, APFS, FAT32, exFAT, and more. But the USB drive will only be recognized if it is compatible with your TV. Therefore, you should make your USB compatible with your TV. First, you can look at the USB ports on the side or back of your TV and see which version is labeled below the port. If it is a USB 3.0 port, USB 2.0 drives will not work. Vice versa. In this case, you need to buy a suitable USB. Next, check the manufacturer's website to see what USB formats your TV supports (tip: most USB drives are shipped in NTFS format, while many TVs only support FAT32 or exFAT formats). Then check your USB format. If your USB uses an unsupported file system, you will need to reformat it to the correct format. Here's how to check the USB format and reformat the USB on a Windows computer. Important: Please back up the USB files to another location before reformatting your USB. 1. Insert a USB into your PC. 2. Open File Explorer and click PC. Locate the USB drive you just inserted. 3. Right-click on the USB drive > Properties. You will see the USB format next to the File system option. If you need to reformat the USB, go on with the next few steps. 4. Right-click on the USB drive > Format. 5. Expand the File system dropdown menu and select FAT32 or exFAT that your TV supports. 6. Configuring other settings or leaving them as default, then enter a volume label for your new USB. 7. Click Start and wait for the reformatting to complete. Now your USB is ready to be used on your TV. The final step is to check if the movie files in the USB are supported by your TV. Otherwise, your TV won't recognize your movies and won't be able to play them. You can check the user manual or manufacturer's website to find out what video specifications your TV supports. Note that some TVs also limit the resolution, bitrate, and frame rate of video files. So be sure to check out all these details. Also read: Samsung TV Supported Video Formats | Panasonic TV Supported Video Formats | LG TV Video Format | Vizio TV USB Video Format | Philips TV Supported Video Formats | Sony BRAVIA Supported Video Formats | TCL TV Supported Video Format | Sharp Aquos TV USB Video Format Generally speaking, most TVs support MP4, MOV, AVI, WMV, MPG, and DivX, while MKV, VOB, 3GPP, HEVC and some other formats are less supported. If your video is not supported, you will need to convert it to a format supported by your TV. For this, you can use the professional TV video converter program WonderFox HD Video Converter Factory Pro to handle the conversion. It provides various TV profiles and helps you convert videos to TV format in just a few clicks. Let me show you how to use this software to fix unsupported video files on TV. 1.Download and installDownload and install the converter software on your PC, then launch it. 2.Click the Converter option. 3.Click Add Files or drag and drop your media files into it. 4.Open the output format page on the right. Then click on your device brand and choose the target profile. If your TV brand is not provided, you can go to the Video section and select H264 (the universal format supported by almost all devices and platforms) as the output format. Tips. If your video resolution, bitrate, or frame rate exceeds your TV's specifications, you can open Parameter settings and modify these parameters accordingly. 5.Click the button to set an output folder and press Run to start the conversion. Once the conversion is complete, connect your USB to the PC, locate the converted file, and then drag and drop the file into the USB. Note that most TVs cannot read files in the USB root directory, so be sure to create a subfolder called "Videos", "Audio", "Photos", etc. Tricks to help your TV read your movie file easily: Keep your movie filename short. Remove special characters in the filename. Now, it is time to connect USB to your TV and play the media files on it. It is simple to do that. Here are the general steps to watch a movie from USB on TV: 1.Turn on your TV. 2.Insert a USB into the USB port on the side or the back of your TV. 3.A notice may pop up saying a memory device is connected or similar. Then you can open the USB drive and play the media files as desired. If nothing happens when you plug a USB drive into the port, that means you may need to open the USB drive manually on your TV. Press the Source button on your remote and navigate to the USB drive. Tips. Make sure that your TV stays on while using the USB to avoid data loss or damage. What to do when your TV cannot recognize your USB: Clean the USB port. Update the TV firmware. Its not a difficult job to play videos on TV with USB as long as you have 1, a TV with USB video playback; 2, a compatible USB drive; and 3, supported media files. After that, its plain sail to play USB movies on your TV all the way you want. With the same steps, you can also play movies from a hard drive to TV. Thats all I want to share about how to play video from USB on TV. I hope this article was helpful. Thanks for reading. Have a nice day! 1.Can smart TV play movies from USB? Yes, most smart TVs include a USB port that supports video playback, which enables you to play movies on TV using a USB drive. 2.How to play USB on TV? You need to make sure your TV has a USB port that supports USB playback. Additionally, your USB drive should be compatible with your TV. Todays smart TVs typically offer USB 3.0 ports and support FAT32 and exFAT USB formats. You need to buy a suitable USB drive or reformat the USB format to make the USB compatible with your TV so that you can successfully play the USB on your smart TV. 3.Why wont my USB play movies on my TV? If your movie doesn't play on your TV, it may be because the video format or codec is not supported. Please check the user manual or official website to find out what media formats your TV supports. Then use a video converter program WonderFox HD Video Converter Factory ProWonderFox HD Video Converter Factory Pro (click to download) to convert or re-encode the video to your TV format for smooth playback. 4.What format does a USB video need to be for TV? The video formats your TV supports vary by model. Some TVs support multiple formats like MP4, MOV, MKV, AVI, M4V, MPG, HEVC, WMV, etc., while others only support some of them. However, the video format supported by almost all TVs is MP4 files with H264 video and AAC-LC stereo audio. Article ID : 00134100 / Last Modified : 04/21/2025 Use the USB port to expand the storage from the TV without having to change devices. Connect peripherals such as keyboards, mice or controllers for a better user experience. Take advantage of the port to install apps external, record content and update firmware. Use the USB port as a power source to charge small devices or dongles.The televisions with Android TV They have a wide variety of functions that can make our user experience much more complete. However, there is one element that often goes unnoticed and hides multiple possibilities: the USB portAlthough most people use it only to play content from a USB flash drive, the truth is that it offers many more applications that can be very useful. From increase storage capacity to connect peripherals such as keyboards or controllers to video games, the USB port of a Smart TV within Android TV It is a versatile tool. In this article we will explain in detail all the ways in which you can make the most of this connector. Increase TV memoryOne of the most practical uses of a USB port Android TV is the possibility of expand your internal storageMany TVs with this operating system have limited storage capacity, which can make it difficult to install new apps or download media content. To fix this, simply plug in a USB flash drive or external hard drive and configure it as internal storage from the TV settings. This way, the device will recognize the drive as part of its storage and allow you to install more apps without worrying about the available space. Play multimedia contentThis is, without a doubt, the most common use given to the USB ports of a computer. Android TVBy connecting a USB flash drive or external hard drive loaded with movies, series, music or photos, the TV can play them without needing an internet connection. Learn how to fix missing FaceTime icon on iPhoneFor this purpose, the system Android TV It has native multimedia players, but it is also possible to install specialized apps such as VLC o Kodi, which allow greater compatibility with different file formats. Burn content directly to a USBAnother interesting use is the possibility of recording television programs and storing them on a USB memory stick. Some models of Android TV They allow you to schedule recordings to save DTT content and watch it later without depending on streaming platforms. streaming.It is important to note that for this use it is recommended to use fast USB drives with enough space, preferably with connectivity USB 3.0 or higher, to ensure smooth recording without interruptions. Install apps outside the Play StoreAlthough the official store of Google offers a wide selection of applications, sometimes we may need to install an app that is not available on Play StoreIn these cases, the USB port allows you to install files APK In a simple way.To do this, simply download the APK file on a computer, transfer it to a USB flash drive and then connect it to the TV. With the help of a File Browser, you can locate the installer and proceed with its installation. However, it is advisable to make sure that the application comes from a reliable source to avoid security risks.Connecting controllers and peripheralsThe USB port of a Android TV It also allows you to connect peripherals such as keyboards and mice, making it easier to navigate applications and enter text. This is especially useful when using web browsers on the TV or when entering long passwords.Additionally, compatible game controllers can be connected, making it ideal for playing titles available in the store. Android TV or in emulation apps. Charging small devicesMany televisions with Android TV They feature USB ports that can supply enough power to charge small devices like mobile phones, wireless headphones, or even dongles like a chromecast o Fire TV Stick. Downside Occurred With This Webpage So It was ReloadedHowever, it is important to note that charging will not be as fast as with a conventional charger, as these ports typically offer limited power outputs.Update TV firmwareIn some cases, TVs do not update automatically over the Internet or may have problems downloading updates. In these situations, it is possible to perform the update manually via a USB.To do this, you need to download the latest firmware version from the manufacturer's website, save it to a USB flash drive, and then connect it to the TV. From the settings, you can select the option to update from a USB and the TV will install the new software version.The USB port of a Android TV It's much more than just a socket for connecting USB drives. Thanks to its multiple uses, it is possible to improve the TV experience in many ways, whether by expanding storage, installing apps, recording content or even using it as a power source. Knowing how to take advantage of these resources can make our Smart TV even more versatile y functional.Passionate writer about the world of bytes and technology in general. I love sharing my knowledge through writing, and that's what I'll do on this blog, show you all the most interesting things about gadgets, software, hardware, tech trends, and more. My goal is to help you navigate the digital world in a simple and entertaining way. Do you want to play media contents from USB on your TV? To do that, you may need to do some preparatory work. This post from MiniTool Partition Wizard shows you how to play USB on TV step by step.Do you want to play music, pictures, or videos from a USB device on your TV? Nowadays, most TVs are smart TVs and they can play content from a wider range of sources than traditional sets. This includes files on a USB stick or hard drive.But before you start playing the content from a USB drive, you should do some preparatory work.1. Find the USB Port on TVIf your TV allows you to play the content from a USB drive, it will provide a USB port. In most cases, the USB port is located at the back of the TV. Please look for it carefully. If there is no USB port on TV, your TV may not have this feature.2. Prepare a Suitable USB DeviceMost smart TVs can recognize thumb drives, flash card readers, and even cameras and external hard drives. But please note that not all TVs support USB hubs and USB extension cables. If possible, do not use them.3. Format the USB Drive ProperlyHow to get USB to work on TV? The trick is to format the USB drive to a proper file system. If the USB drive uses an improper file system, it wont be recognized and used by the TV. What file system is supported by your TV? In recent years, popular smart TV brands are Samsung, LG, Sony, Hisense, and TCL. In most cases, these TVs support the following USB formats.Samsung: QLED and SUHD TVs support FAT, exFAT, and NTFS file systems, while Full HD TVs support NTFS (Read-Only), FAT16, and FAT32.LG: FAT32 and NTFS are supported.Sony: FAT, FAT32, and exFAT are supported.Hisense: NTFS, FAT32, and FAT are supported.TCL: ROKU-enabled TVs support FAT, FAT32, NTFS, EXT2, EXT3, and HFS+.But please note that the supported file system may vary depending on specific TV models. For example, some TVs may only support FAT and FAT32 file systems. Please look at the following example:I just bought a WD 4TB my book and hooked it up to my TCL LE48FHDF3300Z tv but it says there is no media. I formatted to NTFS and it didnt work. I then formatted to exFAT and still didnt work. Any advice? forums.tomsguide.comNot only the LE48FHDF3300Z, other TCL TV models like LE32HDF3300and LE55FHDF3300 also only support FAT and FAT32. Its not surprising because FAT and FAT32 file system are much more widely used than NTFS and exFAT file systems.Note: Files larger than 4GB cant be stored on a FAT32 USB drive.Then, how to format the USB drive? Some TVs allow you to format the USB drive with its built-in feature. But most TVs may not offer this feature. Therefore, I recommend you format it on a PC. In a Windows PC, you can format the USB drive easily as follows:Connect the USB drive to your PC.Open the Windows Explorer.Click This PC, right-click on the USB drive, and choose Format.Choose a File System and then click OK.However, if your TV only supports FAT and FAT32 file systems and the USB drive is larger than 32GB, you will fail to format the USB drive to FAT32 on your PC. In this case, I recommend you to use MiniTool Partition Wizard, which can format a drive up to 2TB to the FAT32 file system.To format a USB drive using MiniTool Partition Wizard, you can refer to the following steps:MiniTool Partition Wizard FreeClick to Download100%Clean & SafeStep 1: Launch MiniTool Partition Wizard and get its main interface. Right-click on the partition of the USB drive and choose Format.Step 2: Expand the drop-down menunext toFile System and choose FAT32. Then, click the OK button.Step 3: Click the Apply button to execute the pending operation.4. Prepare Proper Media FilesNot all media files are supported by a TV. In addition, if you want to play the content from a USB drive, the range of supported file formats will be shrunk further. You should make sure your media files (pictures, music, and videos) are in proper file formats.What file formats on a USB are supported by your TV? I gathered the supported USB file formats for Samsung, LG, Sony, Hisense, and TCL TVs. If your TV is from these brands, you can refer to the following tables.Tip: 1. For those TVs that are not included here, you should check the compatible audio and video file formats in their user manual. 2. If you know the specific model of your TV, I recommend you to find the user manual of the TV so that you can get a more accurate result. 3. If you want to play a video butits format is not supported by your TV, you can try using a video convertertoconvert the video to a proper format.Samsung TV Supported File Formats (for QLED and SUHD)CategoryFile ExtensionFormat/ContainerCodecAudio.mp3MPEGMPEG1 Audio Layer 3MPEG4AAC.flacFLACFLAC.oggOGGVorbis.wmaWMAWMA.wavwavwavmidimidi.apeapeapeAIFFAIFF.m4aALACALACVideo.avi.mkv.asf.wmv.mp4.mov3gp.vro.mpg.mpeg.ts.tp.trp.mov.flv.vob.svi.m2ts.mts.divxAVIMKVASFMP43GPMOVFLVVROVOBPSTSSVAFH.264 BP/MP/HPHEVC (H.265 Main, Main10)Motion JPEGMVCDivX 3.11/4/5/6MPEG4 SP/ASPWindow Media Video v9 (VC1)MPEG2MPEG1Microsoft MPEG-4 v1, v2, v3Window Media Video v7 (WMV1), v8 (WMV2)H.263 SorrensonVP6.webmWebMVP8VP9 (Supported up to profile 2).rmvbRMVBRV8/9/10 (RV30/40)Note: It seems that Samsung didnt release compatible file formats used on USB drives separately. The file formats in the above table may be applied to both WLAN and USB.LG TV Supported File Formats on USBCategoryFile ExtensionCodec FormatAudio Format (in Video)Video.avi.mpg.mpeg.mkv.mp4.asf.wmv.m4v (DRM free).vob.3gpXVIDMPEG1 SSH.264/MPEG-4 AVCMPEG2 PSMPEG2 TSVC-1 SM(WMV3)Dolby DigitalDTSMP3WMAAACAC3Audio.mp3.wma.wav.m4a (DRM free).flacN/AN/AImageN/AN/ASony TV Supported File Formats on USBCategoryFile TypeFile ExtensionVideoMPEG-1.mpgMPEG-2 (PS, TS).mpg, .m2tMPEG-2, AVCHD.m2ts, .mtsMPEG-4 (Part 2, 10), MP4.mp4DivX SD (Home Theater profile 3.0).divx, .aviXvid.aviWMV, Asf.asf, .wmvMusicLPCM.wavMPEG-1 Audio Layer-3.mp3WMA, Asf.wmaImageJPEG.jpg, .mpo, .arwTip: Hisense didnt releasethe information about compatible file formats that are suitable for most TV models, but you can find the user manual of a specific model to check compatible file formats. In addition, they usually support .avi (Mpeg2, H.264), .mkv (H.264, H.265), .mpg (Mpeg2), and .ts (H.264, H.265) videos; .jpg images, and .mp3 music.TCL Roku enabled TVs usually support the following file formats:Video:264/AVC (.MKV, .MP4, .MOV)Audio: AAC (.MKV, .MP4, .MOV); MP3(.MP3, .MKV); WMA (.ASF, .WMA, .MKV), FLAC (.FLAC, .MKV), PCM (.WAV, .MKV, .MP4, .MOV), AC3/EAC3 (.MKV,.MP4. .MOV, .AC3), DTS (.MKV, .MP4, .MOV,.DTS), ALAC (.MKV, .MP4, .MOV, .M4A)4K Video:265/HEVC (.MKV, .MP4, .MOV); VP9 (.MKV)Playlists: .M3U, .M3U8Image: JPG, PNG, GIF (non-animated)Note: 1. If the bitrate of the video is too high, it may be unable to be played on your TV. 2. If the number of files and folders saved on the USB drive is too high, some files and folders might not be accessible.How To Connect Laptop To TV Without An HDMI CableHow to Play USB on TVAfter completing the above preparatory work, you can follow the steps below to play the content from USB on your TV.1. How to Play USB on Samsung TVsPlug the USB drive into the USB port on TV or the Mini One Connect of your TV.Press the Source button on your remote and then select USB Device USB. Or you can press the HOME button on your remote, navigate to Source and choose USB Device / Connected Device.Select the media file you want to play.Tip: 1. Pressing the Enter buttoncanshow the control panel. 2. If you want to play another media saved in your USB device, press the Return button on your remote and it will return to the MY CONTENT page.2. How to Play USB on LG TVsConnect the USB flash drive to the USB port on the side or the back of the TV.Press the Home button on the remote to access the home screen.Select the Input icon, which is in the upper right corner and next to the SettingsSelect USB Drive.Select the type of files you want to see (All Media, Movie List, Photo List, or Music List).Select a file to play on your TV.3. How to Play USB on Sony TVsPress the HOME button on the remote.Connect the USB drive to the USB port on your TV and wait until the message USB device is connected displays on the screen.Select the type of file you want to access in your USB device (Open with Album, Open with Music, Open with Video).For Android TVs released in 2020 or later, please press the left arrow button on the remote to move the cursor to the left edge. But for other TVs, you should press the left arrow button on the remote once more to display the Menu.In the left pane, select Folders or the USB device name.Select the folder where your files are placed.4. How to Play USB on Hisense TVsConnect a USB device into the USB port.Select the media type on the Media screen or Home screen (Photo, Music, and Movie).Select the file to play.5. How to Play USB on TCL TVsConnect a USB device into the USB port.Press MENU on the remote control and then the Main MenuSelect USB to display the USB screen.Select the folder or file to play on your TV.Here is a post talking about how to play USB on TV. If your TV is from Samsung, LG, Sony, Hisense, or TCL, this post may help you. It lists supported USB file systems and supported USB video format, audio formats, and image formats of these TVs.Click to tweetIs this post helpful to you? Do you have other ideas about supported USB formats and supported file formats on these TVs? Please share your ideas with us. In addition, if you have any problem with MiniTool Partition Wizard, please feel free to contact us via . We will get back to you as soon as possible.

How to browse pendrive in android tv. How to browse in android tv. Usb tv android. How to access usb drive on android tv. How to play usb on android tv.