

# Top 9 PC emulator software for Android

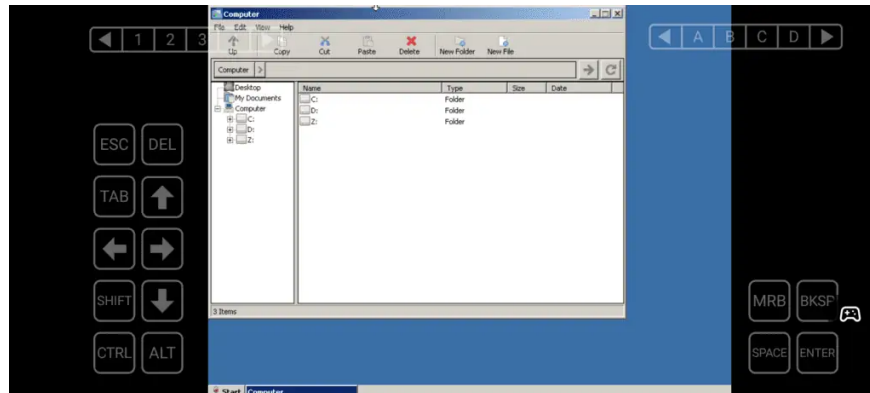
You've probably heard a lot about Android emulators for PCs like MeMu, Bluestacks, or Ko Players. But what if you want to run Windows applications on your Android device? You can only do this using PC emulators for Android.

Finding the best Windows emulator for Android can be challenging, especially since many of them come with malware and security concerns. Want to play games, access geographically restricted apps, try out Windows apps on Android, or quickly test software?

The emulators listed below will allow you to do all that and more. The 9 options in this article can increase accessibility, resolve device compatibility issues, and help bypass hardware requirements.

## 9 PC emulator software for Android

### 1. Winlator



Winlator is a free Windows emulator available for Android phones. It's fully offline after setup and offers customizable settings. Furthermore, Winlator is compatible with Wine and Box86/Box64. Therefore, you can easily run most software, games, and applications.

Whether you're trying to play Windows games or access productivity software on your Android device, you can expect lag-free performance using Winlator. The experience is very smooth, however some users still complain about issues.

## **2. Limbo by Virtual Machinery**

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VoLTE 74%



Limbo x86 PC E...



Machine:

None

Stopped



User Interface



Board



Disks



Removable



Boot



Graphics

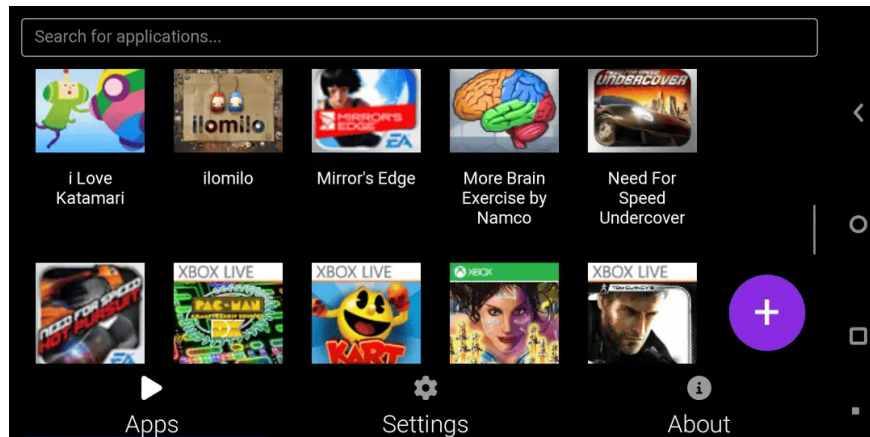


Audio

Limbo by Virtual Machinery is an open-source, QEMU-based Windows emulator for Android. Its entire code is available on GitHub for download and installation, and can also be modified, redistributed, or published.

Limbo is compatible with most Android devices, including tablets, desktop PCs, and laptops running on 32-bit and 64-bit ARM devices. It also works with 32/64-bit Intel x86 devices and can emulate CPU, memory, disk, graphics, audio under the SGL interface, networking for NAT, and other advanced parameters.

### 3. WPR Windows Phone Emulator



Although still in its early stages, WPR is a basic Windows emulator for Android, suitable for running XNA applications and games available on Windows 7 and 8. Its capabilities are limited and it currently has not resolved the OpenGL graphics distortion issue.

This software is open source and hosted on GitHub. It has a list of supported games such as Ilomilo, Zuma's Revenge, Tower Bloxx, Kinectimals, MonstaFish, Bug Village, etc. While it can play some Windows games, WPR cannot emulate other Windows applications, and the app frequently crashes. WPR emulates Android using Vulkan and provides an intuitive interface. Overall, the interface is very easy to use and seamless.

### 4. JPCSIM – PC Windows Simulator



JPCSIM is more like a simulator than an emulator. If you're wondering what the difference is, an emulator simulates both hardware and software, providing a more realistic experience, while a simulator only simulates software and may not be as accurate.

JPCSIM can emulate every operating system from BIOS to post, from installation to desktop and some computer programs. So, using it is like taking a nostalgic tour of the Windows operating system.

However, you can't expect advanced features. For example, Edge and File Settings won't open. The controls are difficult to operate, and everything feels like running a test.

## 5. Win7 Simu

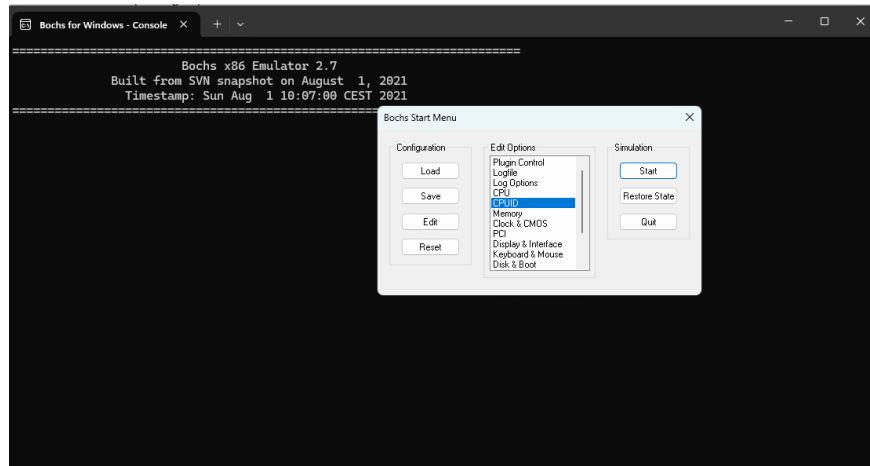


Win7 Simu will help you relive your Windows 7 memories on your Android device. This app is easy to use and supports all the apps and games available in Windows 7. To make the most of it, you can pair your device wirelessly and play a few games.

Advertisements can be annoying. However, you might consider purchasing the paid version to remove them. You'll have access to many Windows themes, including those available on versions 10 or 11. Not only that, the app also supports fully functional programs like Calculator, Notepad, Wordpad, Internet Explorer, Media Player, and even Snipping Tool.

All elements such as the logo, startup animation, login screen, desktop, taskbar, and Start menu have been recreated to match the Windows 7 interface.

## 6. Bochs



Bochs is an extremely portable, open-source Windows emulator for Android, written in C++. It can emulate Intel x86 CPUs, common I/O devices, and custom BIOS. In fact, it's perfect for emulating a complete x86 PC, from the processor to hardware devices to the memory.

It has detailed documentation, website documentation, and guides for both users and developers. When emulating Windows on Android, you'll be pleased to see your phone's right and left buttons function as a mouse. For a complete PC experience, an online keyboard will appear on the screen. Bochs can be used on older versions of Android.

## 7. Windows 10 Simulator



Wins 10 Simulator acts as a virtual Windows PC on Android. Aside from the usual limitations of emulators, this app works very well.

The best part is that the Wins 10 Simulator has no annoying ads and doesn't drain the battery too much. You can control it using touch or a wireless mouse. You can even access desktop applications and Windows 10 sounds.

File Explorer lets you access files, and you also have the camera option to take photos. You can even access your phone's Android settings using the LordHonor Settings app. There's a premium version for advanced features like better speed and SuperRoot.

## 8. ExaGear

ExaGear, a paid emulator for Windows games, was originally developed by Eltechs, but is now supported by the community and maintained by fans.

If you want a smooth, nostalgic experience playing classic Windows games like Diablo II or StarCraft, this is the best option. You'll be able to run most 32-bit games well on this emulator. Combined with its simple interface, it's a great choice.

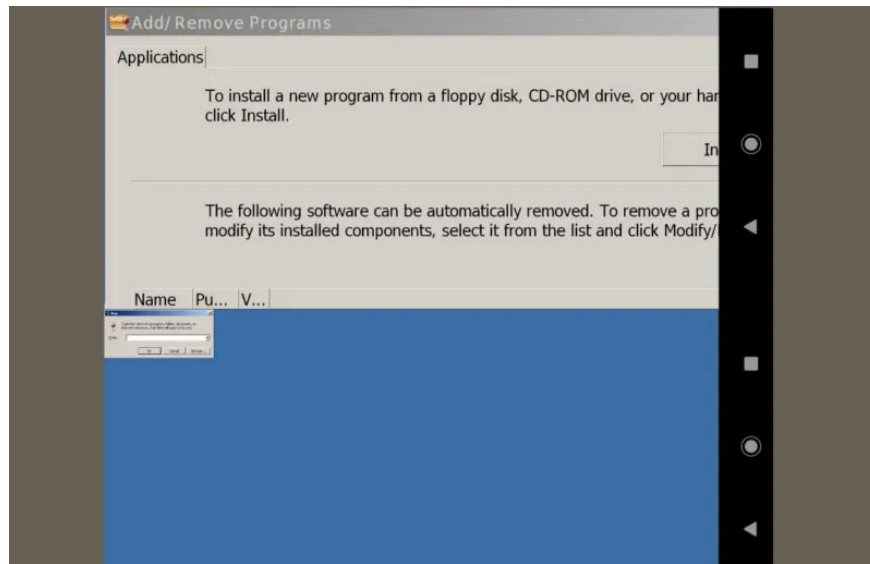


The only drawback is that it's no longer officially supported, so there are no updates. This could cause games to crash or encounter issues with newer Android versions. Additionally, heavy or AAA titles won't run on this emulator.

Be extremely careful to avoid downloading suspicious APKs from unreliable websites to avoid malware. For a one-time payment of \$5 to \$10 for this emulator, you can turn your Android into a mobile gaming device for classic Windows games from the 90s and early 2000s.

## 9. Wine

Wine for Android is a free, open-source compatibility layer that allows you to run Windows apps and games without emulating the entire operating system.



It's lighter than Limbo and Bochs but supports more older Windows games, like Age of Empires II. Additionally, it doesn't require a virtual machine, meaning it's less expensive.

However, setup is difficult, requiring downloading APK files and applying manual tweaks. Additionally, newer titles are often buggy, and it lacks built-in controller support.

Download Wine from official sources, such as WineHQ or F-Droid, to avoid malware: Do not download from dubious sources.

Wine for Android is a suitable choice for tech enthusiasts who want direct access to games but want to skip full system emulation, along with other user-friendly options. Here are the steps to run Windows apps on Android using Wine .

## **Advantages and disadvantages of using a Windows emulator for Android.**

Each Windows emulator for Android has its own advantages and disadvantages that you should consider:

### **Advantage**

#### **1. Cost savings**

Emulating different devices can be cost-effective because you don't need to invest in hardware or software specific to the emulated system. If you have older systems that you can't afford to replace completely, an emulator can bridge the gap to some extent.

#### **2. Increase efficiency and accessibility**

You can use emulators to access games and apps from Windows devices on Android. In fact, you can even test software on multiple configurations in multiple emulators. You can also reduce downtime by using emulators to troubleshoot problems.

You can also leverage emulators for quick testing and feedback to create faster development cycles.

## Disadvantages

### 1. Inaccurate

Emulators can never achieve all the correct hardware and software specifications. Furthermore, not all hardware features can be emulated, which can affect the performance or functionality of the application.

### 2. Compatibility

When you emulate applications, there's a high chance that not all of them will work. Even if they do work, they will constantly lag and have limited functionality.

Working with most Windows emulators can involve a learning process. If you just want an emulator for games, choose WPR. If you want an easy-to-use interface, choose Wins 10 Simulator, Win 7 Simu, Bochs, or JPCSIM.

Conversely, Limbo and Winlator are excellent for emulating entire systems.

All of these emulators are free to use, and some are open source. Therefore, you'll be able to suggest changes or modifications and publish the code, as long as you adhere to the general licensing rules.

See more:

1. 8 Best PSP/PlayStation Portable Emulators for Android

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