

**3--CONTROLLING
AN ANDROID CELL PHONE
USING "scrcpy" IN
WINDOWS.. OR LINUX**

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Web location for this
presentation:

<http://aztcs.apcug.org>

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SUMMARY

Using the free and open source "scrcpy" software app, an Android cell phone will show up in a Windows 11 or 10 computer or in a Linux computer as a window that looks exactly like the screen of the Android phone. From this window, you can make and receive phone calls and text messages and operate all of the apps that are inside the cell phone.

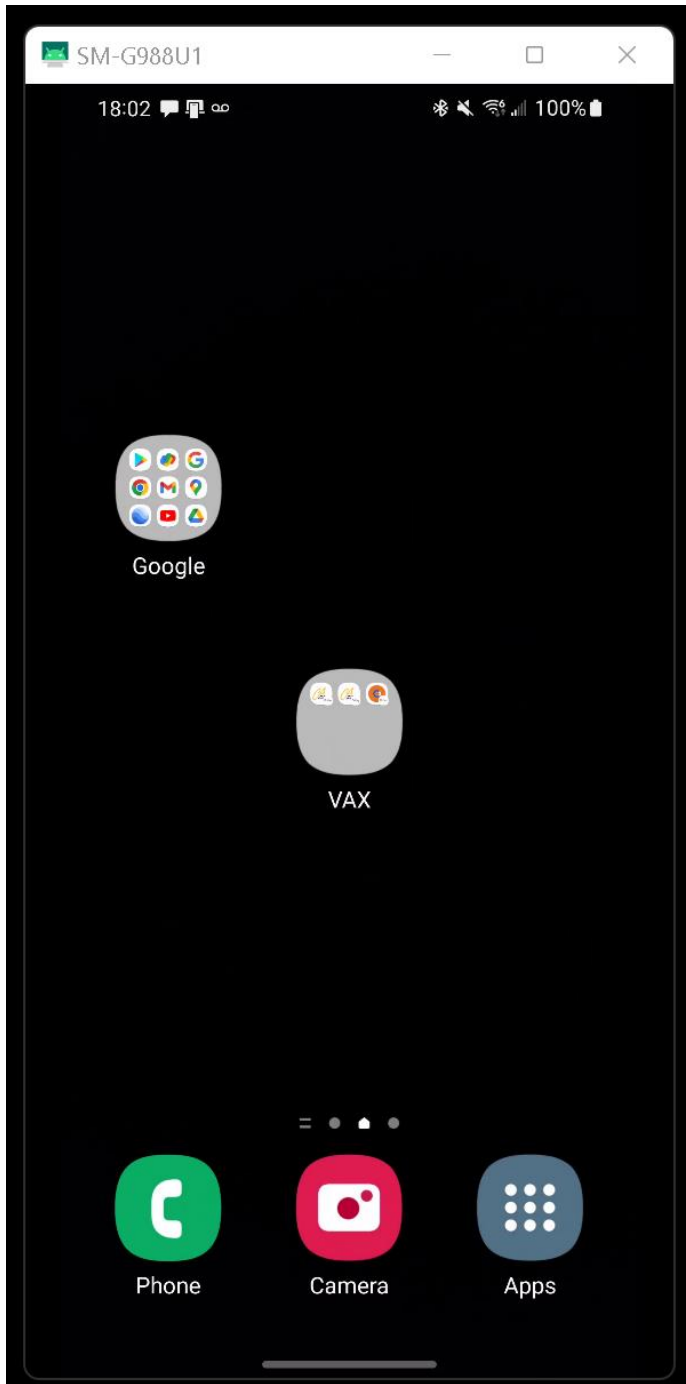
TOPICS

- Demos of "scrcpy" in Windows.. and Linux
- Detailed Steps for installing "scrcpy"
- Detailed Steps for Using "scrcpy"



scrcpy.exe -
Shortcut

```
scrcpy.exe - Shortcut
scrcpy 1.24 <https://github.com/Genymobile/scrcpy>
* daemon not running; starting now at tcp:5037
* daemon started successfully
C:\Users\testuser\Desktop\scrcpy-win64-v1.24\scrcpy-server...
1 file pushed, 0 skipped. 2.7 MB/s (41159 bytes in 0.015s)
[server] INFO: Device: samsung SM-G988U1 (Android 12)
INFO: Renderer: direct3d
INFO: Initial texture: 1440x3200
```



< Developer options 🔍

On

Auto update system

Apply updates when the phone restarts.



Demo mode

Quick settings developer tiles

Debugging

USB debugging

Debug mode when USB is connected



Revoke USB debugging authorizations


















3GPP AT commands

Turn 3GPP AT commands on or off.



scrcpy-win64-v1.24

↑ > This PC > Downloads > scrpcy-win64-v1.24

Name	Date modified	Type	Size
 adb.exe	5/20/2022 4:53 PM	Application	5,854 KB
 AdbWinApi.dll	5/20/2022 4:53 PM	Application extens...	96 KB
 AdbWinUsbApi.dll	5/20/2022 4:53 PM	Application extens...	62 KB
 avcodec-59.dll	5/20/2022 4:53 PM	Application extens...	68,881 KB
 avformat-59.dll	5/20/2022 4:53 PM	Application extens...	15,199 KB
 avutil-57.dll	5/20/2022 4:53 PM	Application extens...	941 KB
 guiscrcpy-PySide6-x64.exe	5/23/2022 5:12 PM	Application	49,200 KB
 icon.png	5/20/2022 4:53 PM	PNG File	7 KB
 msys-usb-1.0.dll	5/20/2022 4:53 PM	Application extens...	217 KB
 open_a_terminal_here.bat	5/20/2022 4:53 PM	Windows Batch File	1 KB
 scrpcy.exe	5/20/2022 4:53 PM	Application	709 KB
 scrpcy-console.bat	5/20/2022 4:53 PM	Windows Batch File	1 KB
 scrpcy-noconsole.vbs	5/20/2022 4:53 PM	VBScript Script File	1 KB
 scrpcy-server	5/20/2022 4:53 PM	File	41 KB
 SDL2.dll	5/20/2022 4:53 PM	Application extens...	2,203 KB
 swresample-4.dll	5/20/2022 4:53 PM	Application extens...	424 KB
 swscale-6.dll	5/20/2022 4:53 PM	Application extens...	589 KB

Name



adb.exe








AdbWinApi.dll



AdbWinUsbApi.dll



avcodec-59.dll

	icon.png	5/2
	msys-usb-1.0.dll	5/2
	open_a_terminal_here.bat	5/2
	scrcpy.exe	5/2
	scrcpy-console.bat	5/2

**Windows
11 or 10
running
the free
"scrcpy"
app**

**USB
connection
or
Wi-Fi
connection
via router
or
wired
Ethernet
dongle via
router**

**Android cell
phone with
"Developer
options"
enabled
(which
include
"Android
Debug
Bridge")**

**"Ubuntu"
Linux
or
"Manjaro" Linux
or
"Pop!OS" Linux
(from "Terminal" app)
or
"EndeavourOS"
Linux (from "Terminal
Emulator" app)
with all of the above
running the free
"scrcpy" app**

**USB
connection
or
Wi-Fi
connection
via router
or
wired
Ethernet
dongle via
router**

**Android
cell phone
with
"Developer
options"
enabled
(which
include
"Android
Debug
Bridge")**

"scrcpy" INSTALLATION INFORMATION

- "scrcpy" installation files and instructions for all available versions for Windows., Linux, and MacOS are available at
- <https://github.com/Genymobile/scrcpy>

"scrcpy" INSIDE WINDOWS 11 OR 10

- In a Windows.. computer, "scrcpy" is a portable app that downloads initially as a Zip file.

Then you right-click on it to extract it into a file named

"scrcpy-win64-v1.24"

scrcpy FROM INSIDE WINDOWS 11"

10 (continued)

- Uses the "Developer Options" capability to run "ADB" ("Android Debug Bridge") of the Android cell phone
- scrcpy app cannot send the phone's audio to/from the speakers and microphone of the Windows.. PC
- scrcpy does not depend on an Internet connection

"scrcpy" INSIDE LINUX

- We have successfully used "scrcpy" inside:
Ubuntu 22.04
EndeavourOS Apollo 22.1
Manjaro xfce 21.2.6
and
Pop-OS AMD64 nvidia 22.04

"scrcpy" INSIDE LINUX (continued)

- In a "Ubuntu" Linux computer, "scrcpy" is available in the "Ubuntu Software" app or the "Synaptic Package Manager" app

"scrcpy" DOES NOT WORK OVER A CELLULAR DATA PLAN

- "scrcpy" does not work over a cellular data plan: it requires a USB connection or a Wi-Fi router connection between the Android cell phone and the computer

INSTALLING AND ENABLING "DEVELOPER OPTIONS" IN THE ANDROID CELL PHONE

- Prior to installing "scrcpy" into a "Windows.." or "Linux" computer, you must install and enable "Developer options" in the Android cell phone as described at

<https://www.samsung.com/uk/support/mobile-devices/how-do-i-turn-on-the-developer-options-menu-on-my-samsung-galaxy-device/>

< Developer options

On



Auto update system

Apply updates when the phone restarts.



Demo mode

Quick settings developer tiles

Allow USB debugging?

USB debugging is intended for development purposes only. Use it to copy data between your computer and your device, install apps on your device without notification, and read log data.

Cancel

OK

Allow USB debugging?

USB debugging is intended for development purposes only. Use it to copy data between your computer and your device, install apps on your device without notification, and read log data.

Cancel

OK

INSTALLING "scrcpy" INTO "WINDOWS.." OR LINUX

- Inside the Android cell phone, enable "adb debugging" by installing "Developer options" as described at <https://developer.android.com/studio/command-line/adb#Enabling> and <https://appuals.com/fix-adb-devices-not-found/>

INSTALLING "scrcpy" INTO "WINDOWS.." OR LINUX (continued)

- Then, install "scrcpy" into "Windows.." or Linux by following the instructions at <https://github.com/Genymobile/scrcpy> or <https://www.xda-developers.com/install-adb-windows-macos-linux/>

INSTALLING "scrcpy" INTO "WINDOWS.." OR LINUX (continued)

- Other useful commands from the the ..scrcpy.. folder via the "Windows Terminal (Admin)" window:
adb kill-server
adb devices
adb -s <name of device>
adb --tcpip=<tcpip address of device>