

# SSH for Android

## SSH on Android

### Step by step

- Install F-Droid app from Internet
- Install Termux app from F-Droid
- Install openssh binary from Termux
  - Open a Termux window
  - Run the following

```
pkg upgrade  
pkg install openssh
```

### Usage

- Start the SSH server  
(Default SSH port in Termux is 8022)

```
sshd
```

- Stop the SSH server

```
pkill sshd
```

## Configuration ADB/SCRCOPY via wireless

Android device v10+ must be paired first to work by wireless.

- Settings/Developer Options/Wireless debugging
- Choose "Pair device with pairing code"
- Use displayed information to perform pairing on remote machine

```
adb pair {android ip address}: {android ip port}
```

<https://developer.android.com/tools/adb#connect-to-a-device-over-wi-fi-android-11+>

## Setup public key authentication

- Copy public key

Use `scp` to copy file locally then add pubkey content to `authorized_keys`

```
cat /sdcard/Download/id_rsa_rasp.pub >>
/data/data/com.termux/files/home/.ssh/authorized_keys
```

or

Configure temporary password then copy using `ssh-copy-id` command:

```
whoami
passwd
ssh-copy-id -p 8022 -i {id_rsa file} {user}@{android ip address}
```

- Allow storage access to Termux

```
termux-setup-storage
```

- Disable password auth in sshd configuration file

Set `PasswordAuthentication` to **no** in `$PREFIX/etc/ssh/sshd_config`

```
sed -Ei "_ori" 's/[#]?PasswordAuthentication yes|PasswordAuthentication no|g'
$PREFIX/etc/ssh/sshd_config
```

- Restart service

```
kill sshd; sshd
```

## Resources

<https://github.com/termux>

[https://wiki.termux.com/wiki/Remote\\_Access](https://wiki.termux.com/wiki/Remote_Access)

[https://wiki.termux.com/wiki/Main\\_Page](https://wiki.termux.com/wiki/Main_Page) <https://joeprevite.com/ssh-termux-from-computer/>

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