

Preparing Raspberry Pi Zero - Updated Guide

1. Setup with Raspberry Pi Imager

- Download Raspberry Pi Imager: <https://www.raspberrypi.com/software/>
- Use the same Wi-Fi network that the Raspberry Pi will use.
- Connect the memory card to your computer.
- Choose Raspberry Pi OS (32-bit) for Raspberry Pi Zero.
- Select the storage card.
- Click Next → then Edit Settings to configure the device.
- General: Configure hostname, Wi-Fi network, time zone, and keyboard layout.
- Services: Enable SSH.
- Click Save → then Yes to apply changes.

2. Access Raspberry Pi

- Default username: pi
- Default password: 23072009 (may differ depending on setup)
- Connect via SSH:
`ssh pi@raspberrypi # or pi@[hostname]`

Tip: Check Raspberry Pi IP

- If hostname does not work, find IP address:
`hostname -I`

3. Enable VNC

- Run configuration:
`sudo raspi-config`
- From Interface Options → enable VNC.
- From System Options → set boot to Desktop GUI.
- Optional: Allow autologin.
- Go back to main window → click Finish → reboot.
- Install VNC Viewer on your PC to connect.

4. Update System

- Run updates after first boot:
`sudo apt update`
`sudo apt upgrade`
`sudo reboot`

5. Remote Access with TigerVNC

- Use TigerVNC to login.
- From Network → Advanced Options:
 - - Create Wireless Hotspot:

- - Network name: raspzero_1_hotspot
- - WPA2 Password: 23072009
- From Network → Advanced Options → Edit Connections:
- - Set Hotspot connection priority = 0
- - Set Predefined Wi-Fi priority = 1

6. Shutdown & Reboot

- To shutdown:
`sudo poweroff`
- To reboot:
`sudo reboot`