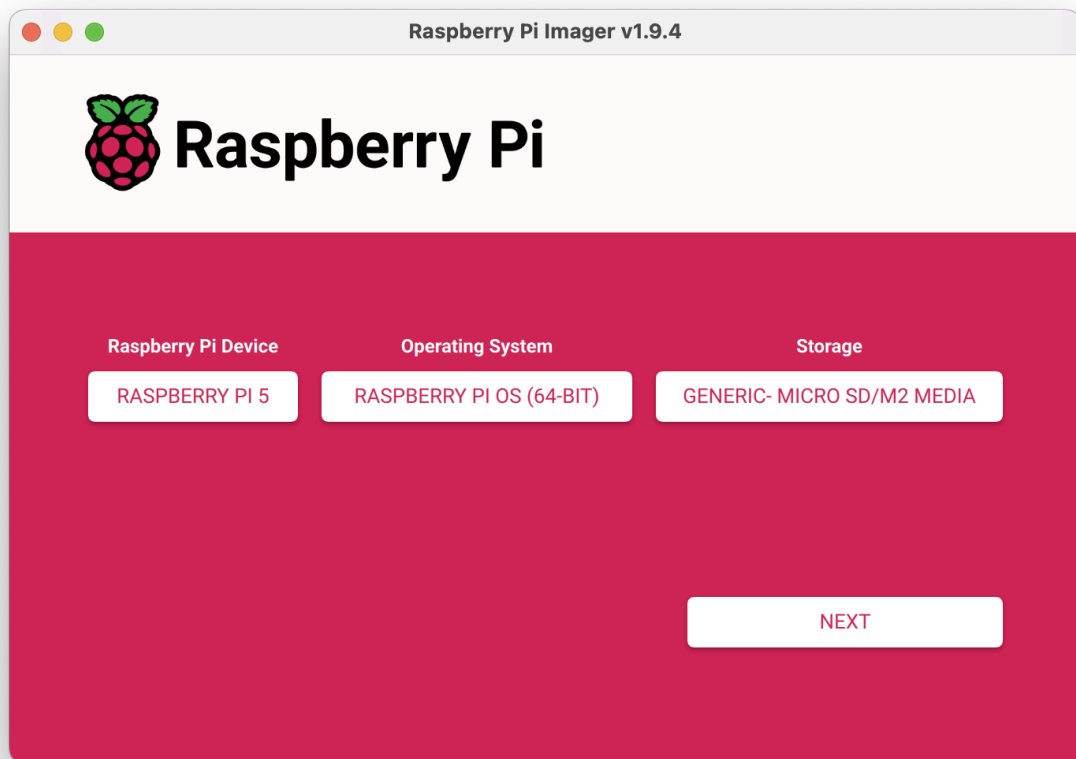


Preparing a new probe

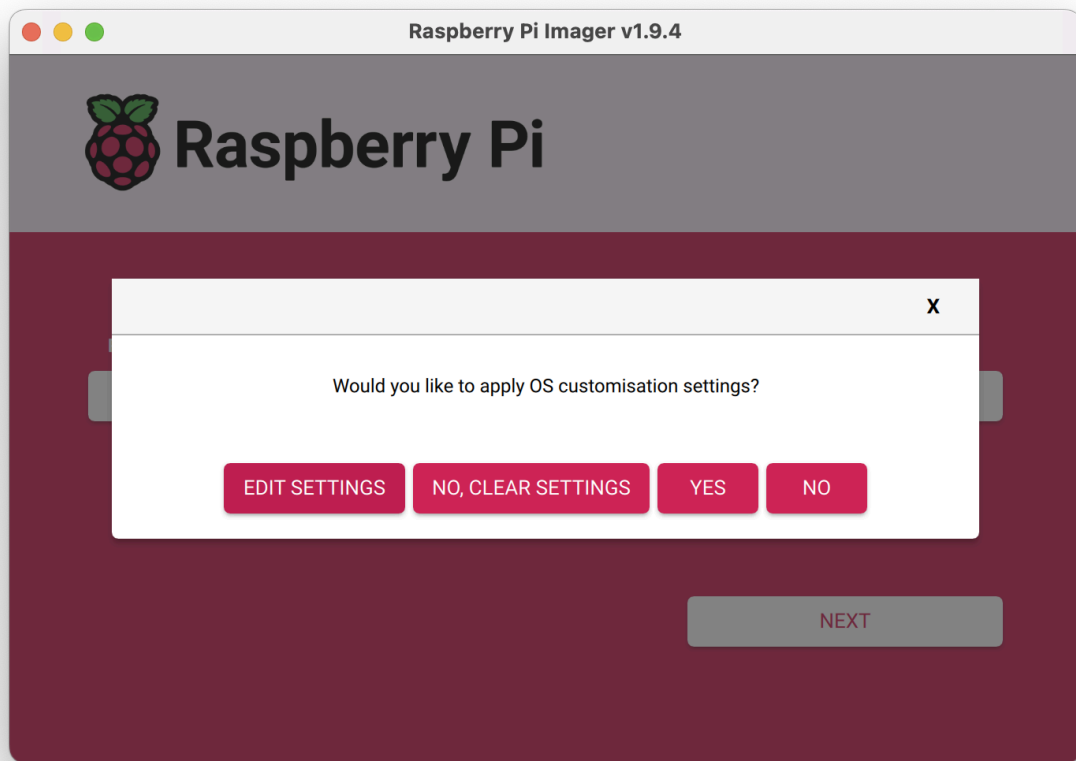
Use the Raspberry Pi Imager.

Select

- Raspberry Pi Device: Raspberry Pi 5
- Operating system: Raspberry Pi OS (64 bit)
- Storage: the new SD card you want to use



Apply the following OS customisation settings before flashing the OS:



Set the hostname depending on the probe you are installing. Username: measurex, password: measurex. Add info for wifi access.

Raspberry Pi Imager v1.9.4

General Services Options

☒ Set hostname: probe9 .local

☒ Set username and password

Username: measurex

Password:

☒ Configure wireless LAN

SSID: pirouter

Password:

☐ Hidden SSID

Wireless LAN country: IT ▼

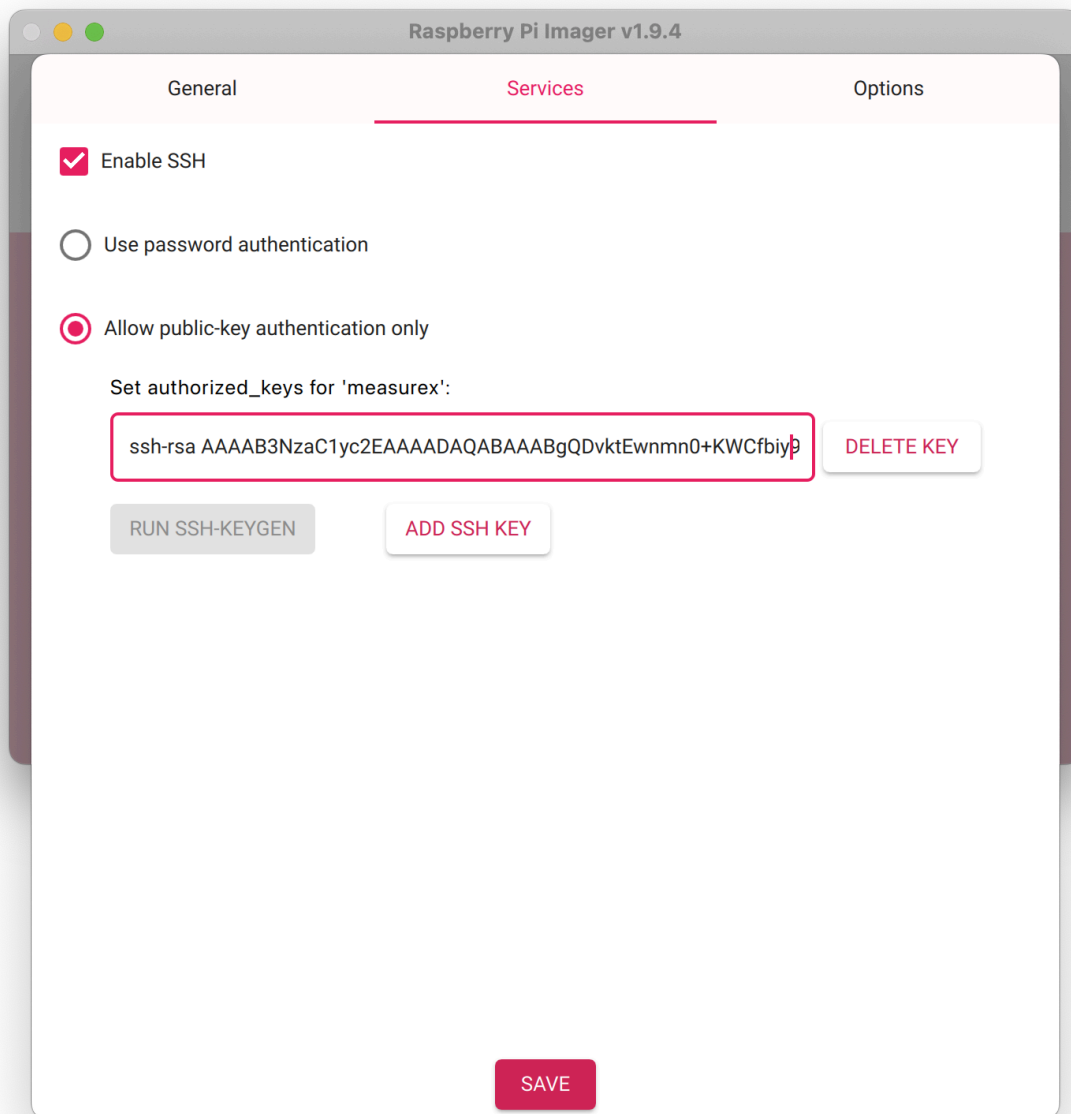
☒ Set locale settings

Time zone: Europe/Rome ▼

Keyboard layout: it ▼

SAVE

Enable ssh with public key authentication only. Run SSH-KEYGEN and press ADD SSH KEY:



Now write the customized OS image onto the card.

Put the card in the Raspberry PI 5 and power it on. After boot, you should be able to ping it from your PC (they are supposed to be both connected to the same wifi network).

```
ping probe9.local
```

You should also be able to log onto the new probe:

```
ssh probe9.local
```

No password is needed as it uses the ssh key. Key must not be regenerated for the other probes.