

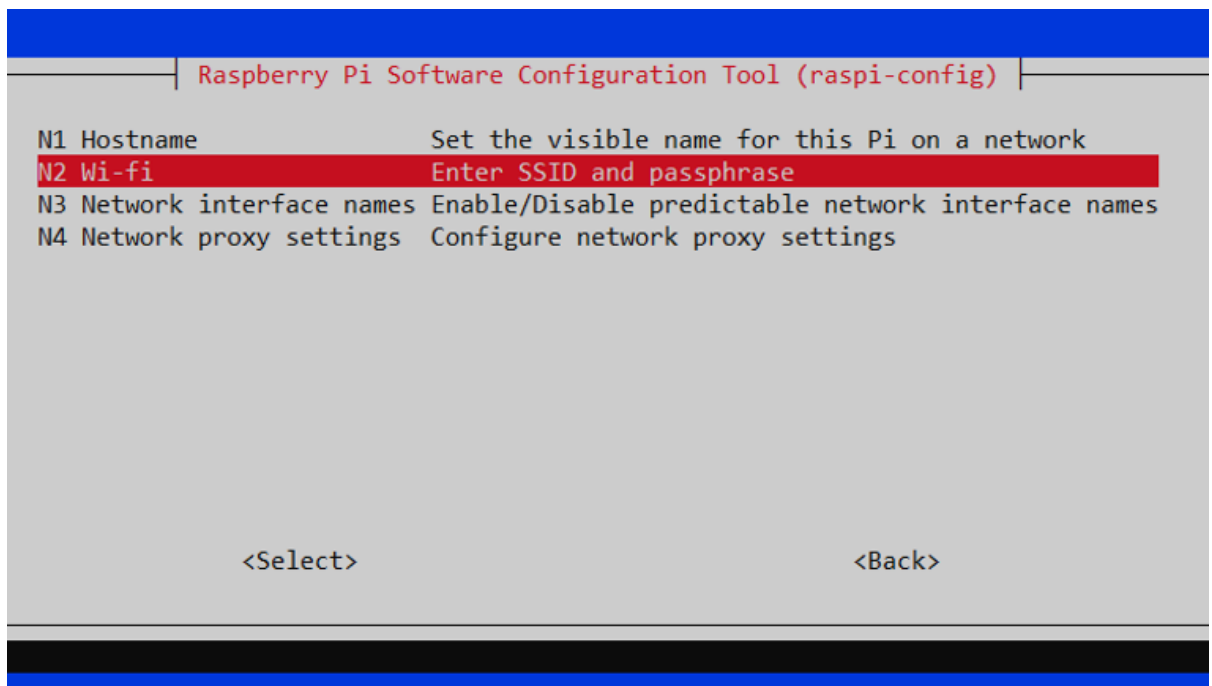
INSTALLATION INSTRUCTION

- **Login to MIS-CTU data drive to get the img file contain everything pre-configured, flash it to SD card using Raspberry Pi Imager or Balena Etcher. If you do this step, you can skip all the steps below.**
- **Step 1:** download latest [Raspbian lite](#), flash to SD card with [Raspberry Pi Imager](#) or [Balena Etcher](#).
- **Step 2:** put the SD card to a Raspberry Pi. Connect HDMI, keyboard and boot up. Sign in with user: pi, password: raspberry
- Step 3: Config basic setting in raspi-config menu:

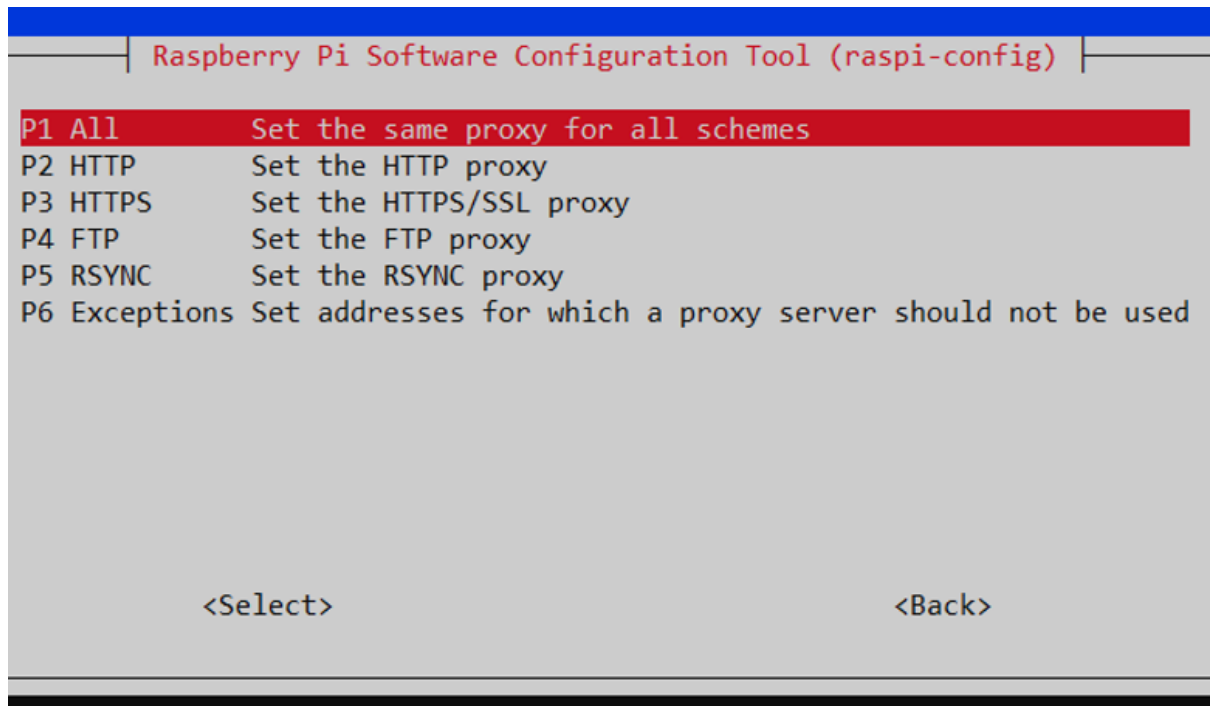
- Type in command line:

```
sudo raspi-config
```

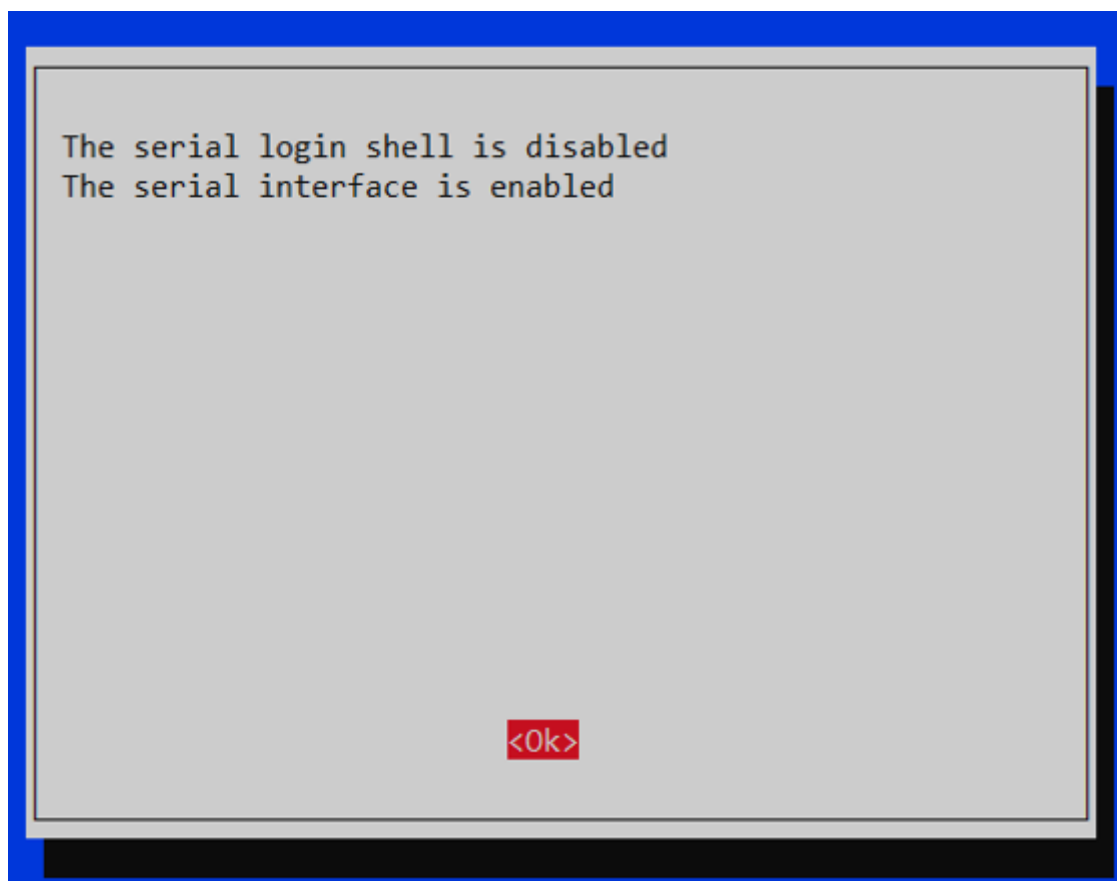
- Choose 2.Network options > N2 Wi-fi
- Choose country, then type in Wifi SSID, Wifi password



- Then continue to choose N4 Network proxy settings > P1 All
- Fill in proxy setting with <http://proxy.ip:port>



- Return to main menu, choose 4. Localization Options > I2 Change Timezone > Asia > Ho Chi Minh City
- Return to main menu, choose 5. Interfacing Options > P2 SSH > Enable
- Return to main menu, choose 5. Interfacing Options > P5 I2C > Enable
- Return to main menu, choose 5. Interfacing Options > P6 Serial > Disable login shell to be accessible over serial (No) > Enable Serial port hardware (Yes)

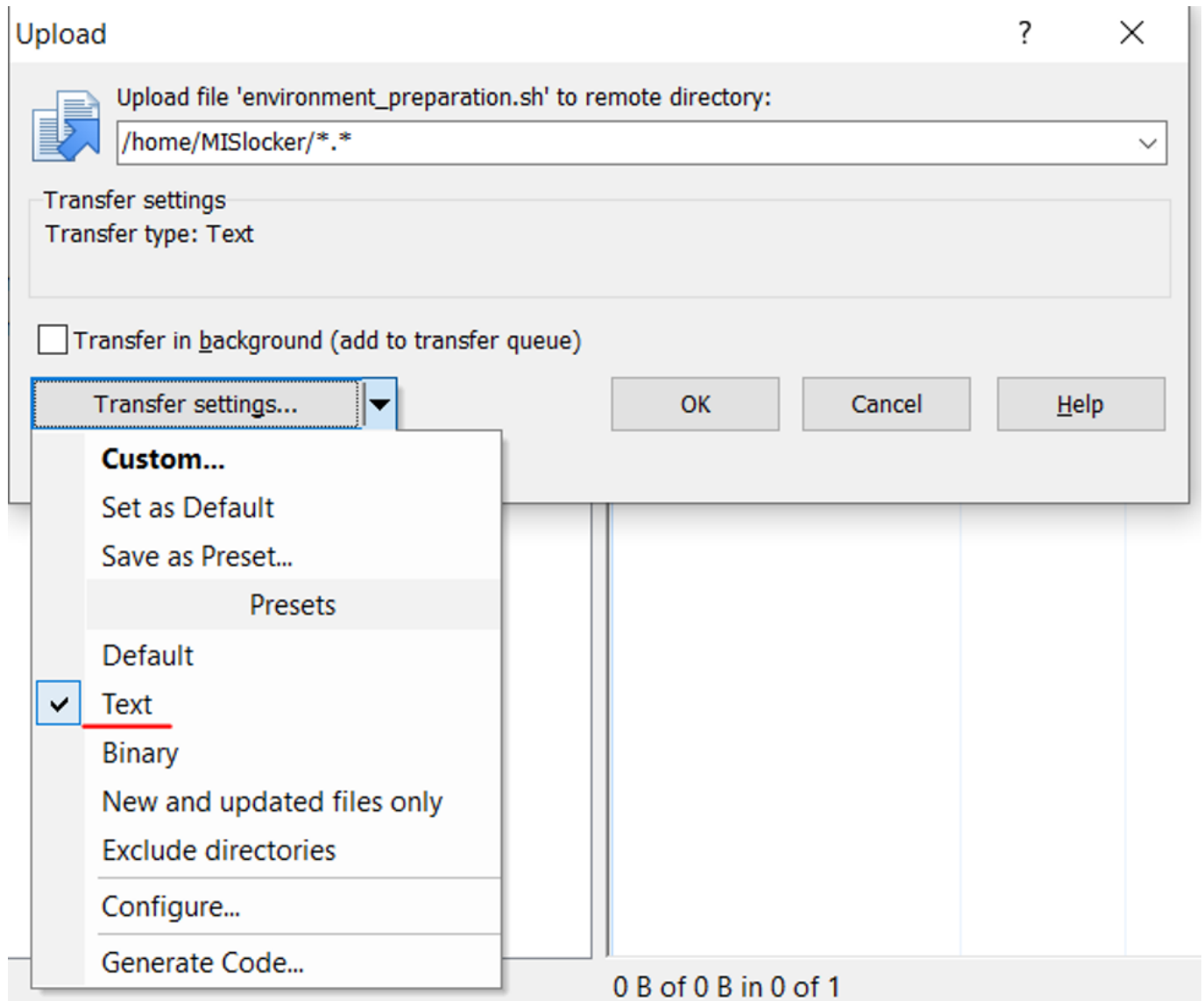


- Reboot to finish

- **Step 4:** Download **setup.sh** and copy it to user folder (/home/<user>/) of the Rasp (using WinSCP for instance).

Caution: use Text as the Transfer type.

Note: You don't need to copy the whole project folder, only **setup.sh** is needed.



- **Step 5:** to give execute permission to the setup script, open command line and type in:

```
chmod +x ./ setup.sh
```

- **Step 6:** run command to install the software packages:

```
sudo ./ setup.sh
```

Note: You will need internet connected for this step.

- **Step 7:** shutdown and put the Raspberry Pi on the system PCB, put on cables and USB connection. Start up the system, log in with SSH to check working status of the device:

```
systemctl status MISlocker.service  
systemctl status MISinit.service
```