

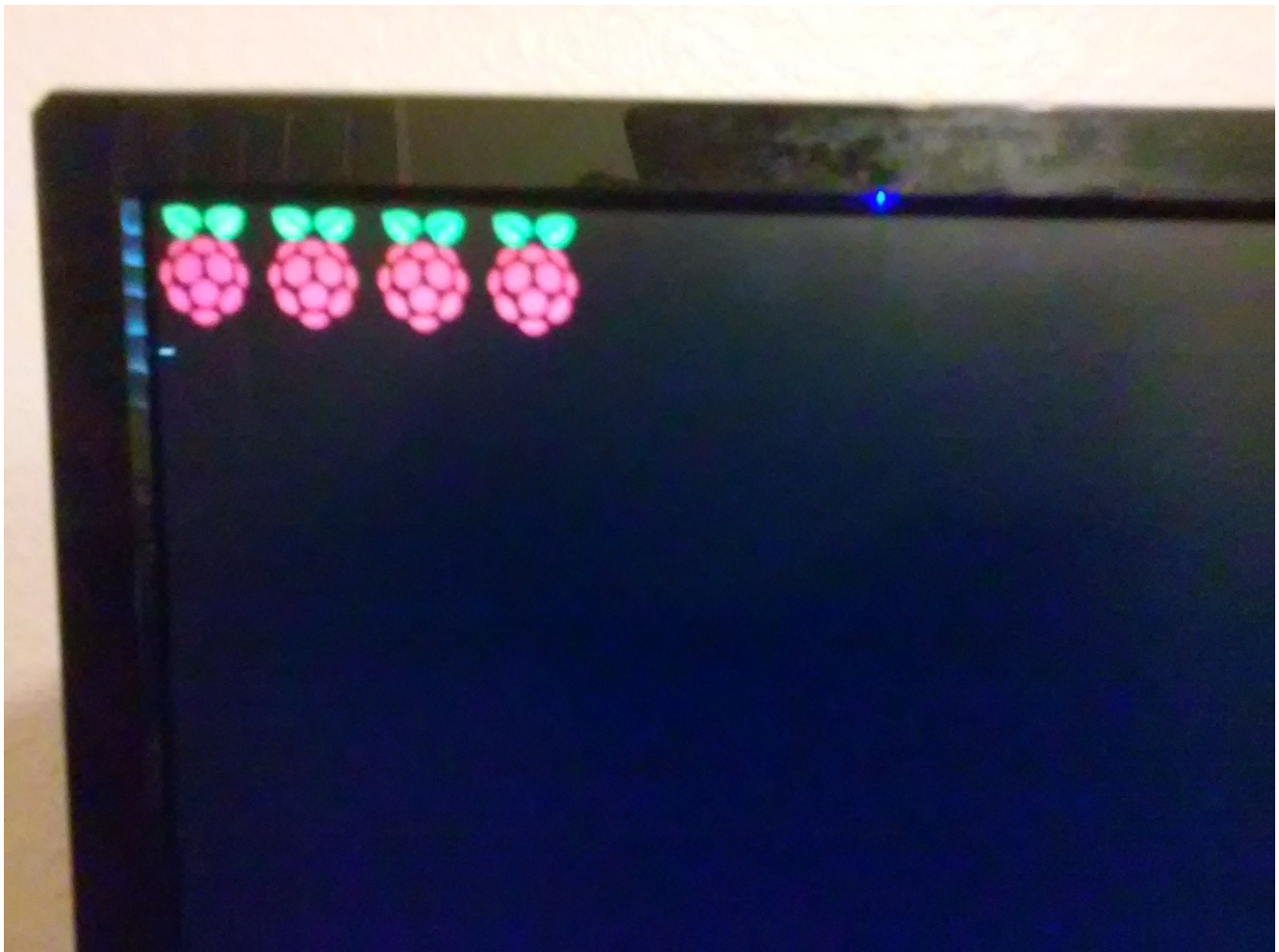
\*\*\*\*\**Draft*\*\*\*\*\*

*Custom Raspbian Image*  
*image\_2018-02-21-RaspbianUltibo.zip*  
*First Boot*  
*04/02/18*

\*\*\*\*\**Draft*\*\*\*\*\*

```
date > t1.txt; gzip -dc image_2018-02-21-RaspbianUltibo.zip | dd bs=16M of=/dev/sdb; date >> t1.txt
0+162919 records in
0+162919 records out
7751073792 bytes (7.8 GB, 7.2 GiB) copied, 991.132 s, 7.8 MB/s
Wed Feb 21 11:40:20 MST 2018
Wed Feb 21 11:56:51 MST 2018
```

After inserting the micro sd card in a Raspberry Pi 2B RPi2B or Raspberry Pi 3B RPi3D and applying power the boot process starts. If this was a Raspberry Pi Zero only 1 Raspberry would be displayed indicating that a single core is booting

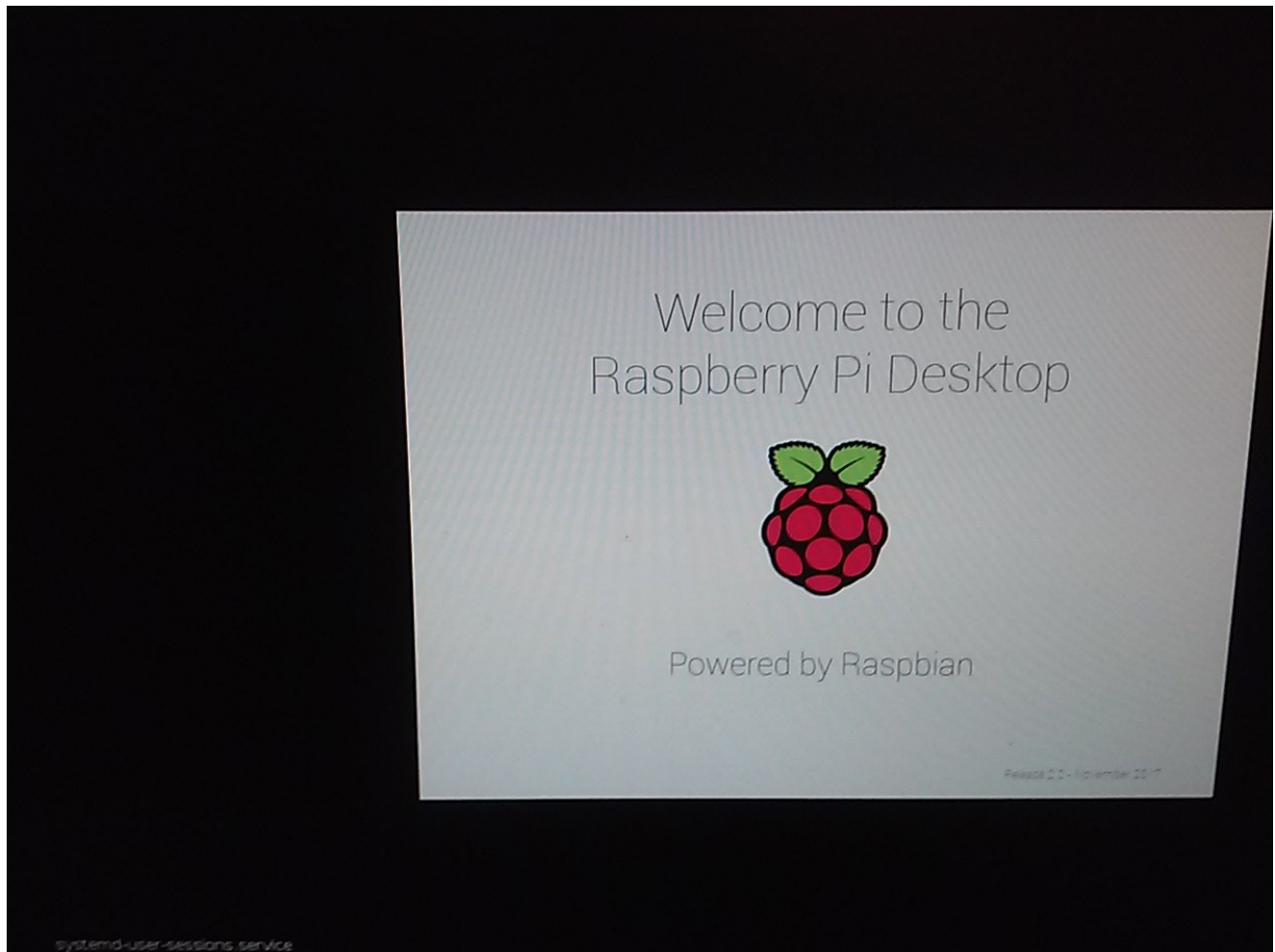


Resized root filesystem. Rebooting in 5 seconds...



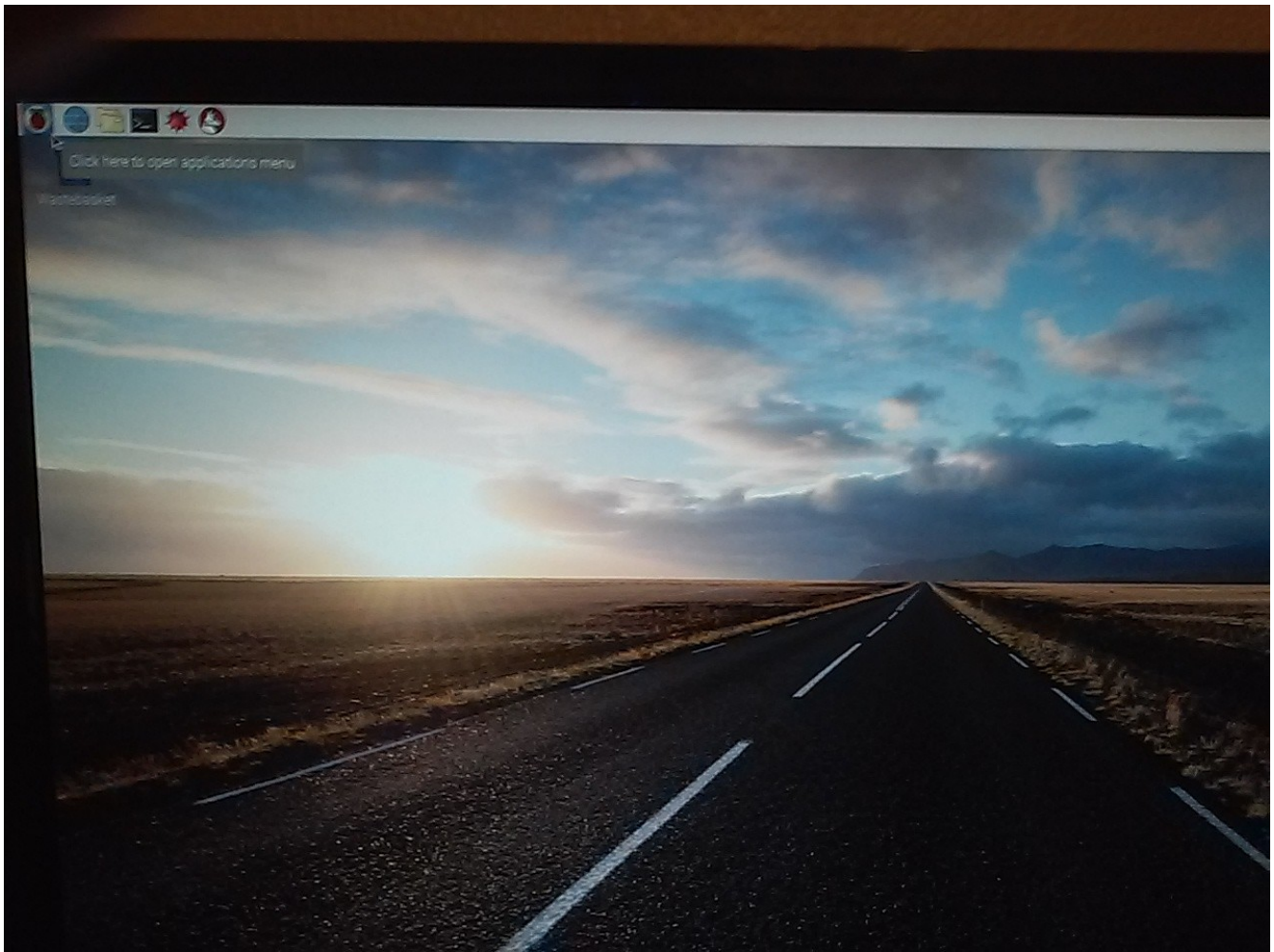
On the first boot the process detects that the micro sd card has additional space. The message below is displayed if micro sd card was a 16GB or 32GB it expands to the full size and reboots. If this was a Raspberry Pi Zero only 1 Raspberry would be displayed indicating that a single core is booting

Followed by the Raspberry Pi logo



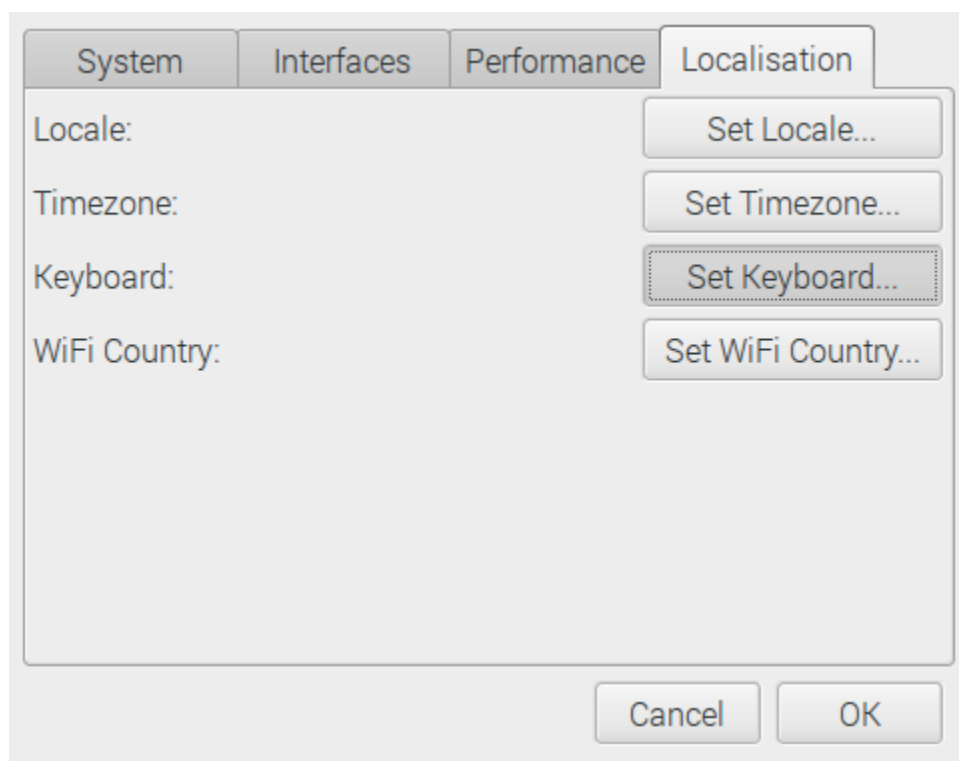
Then the main screen appears.



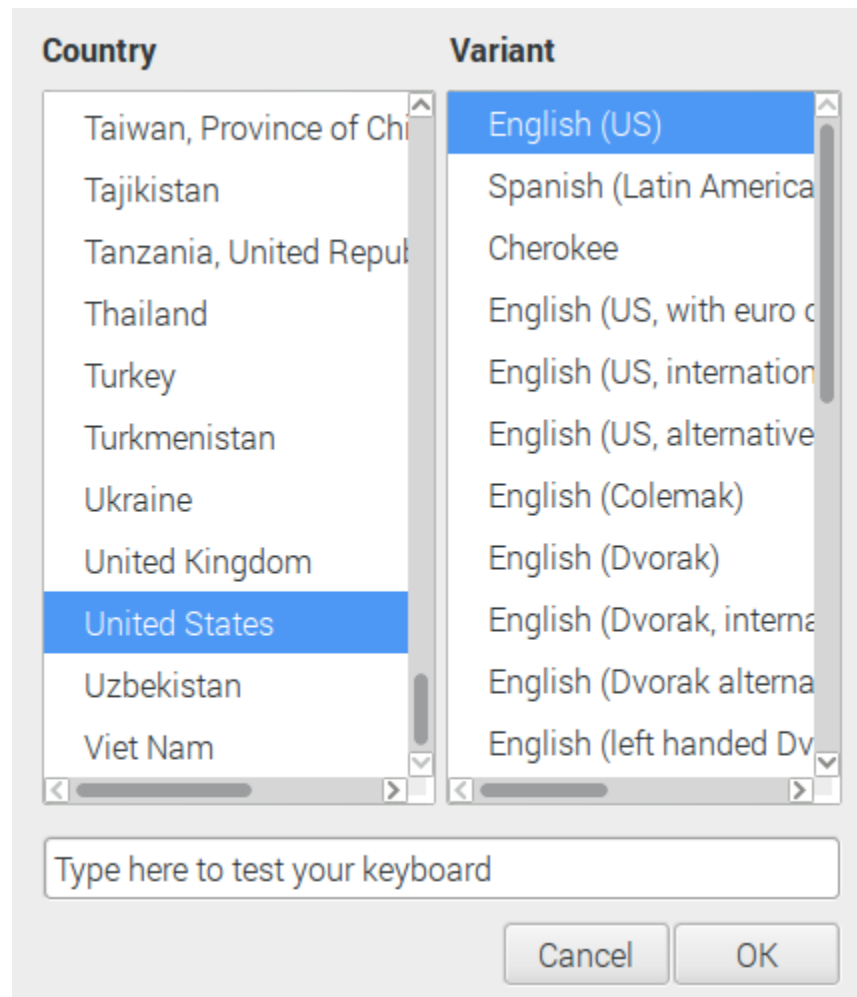


From the main menu open a terminal and execute ***“sudo passwd pi”***The pass word should be reset.

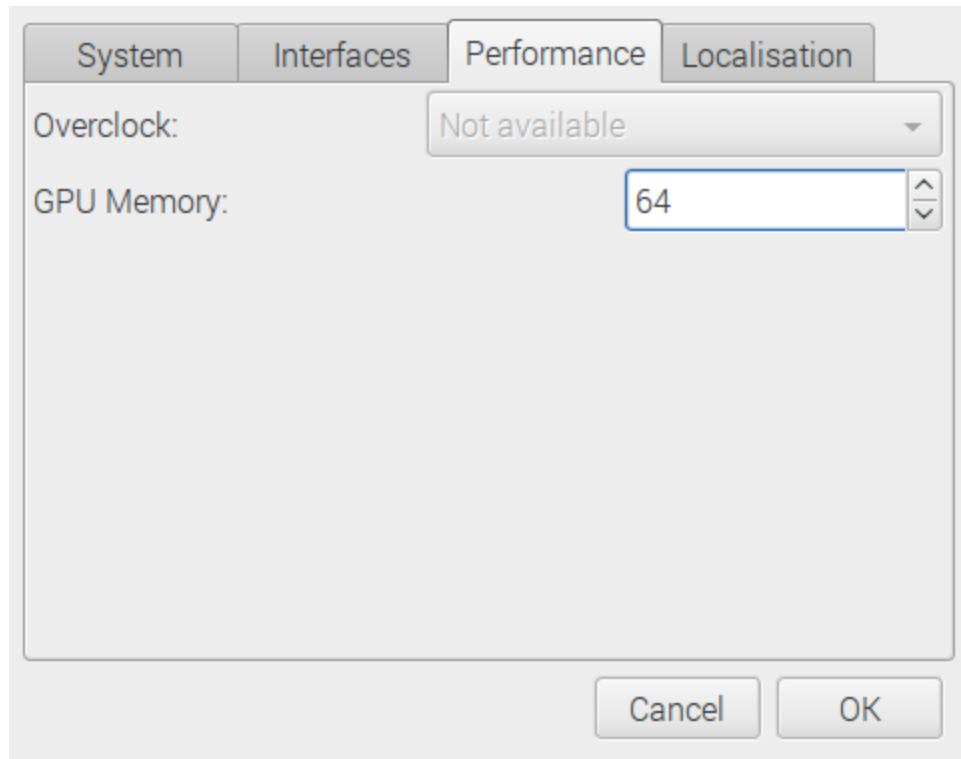
The Keyboard should be changed to



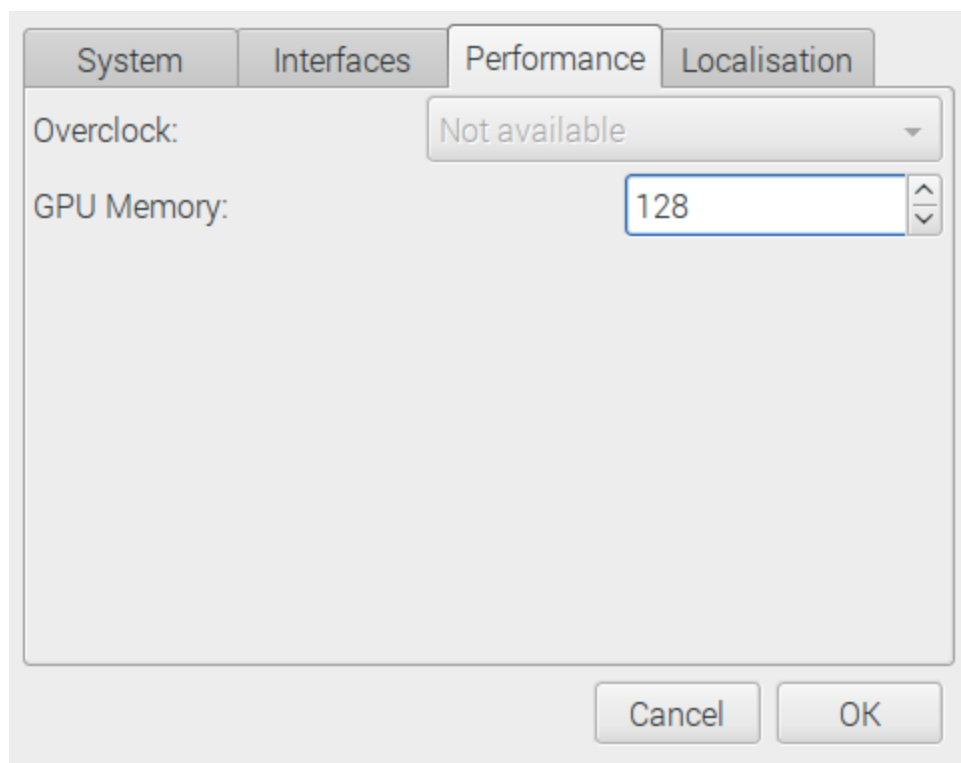
Depress OK  
United States.English



Depress OK  
The GPU memory needs to increase from 64M

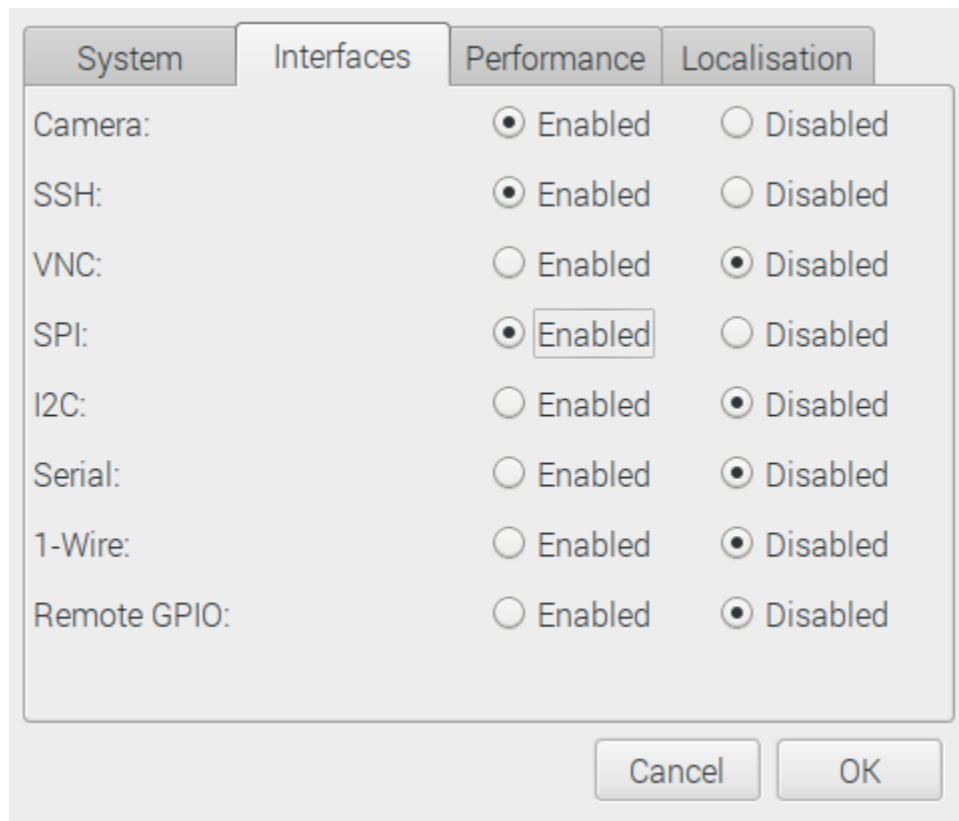


Depress OK  
to 128M.



Depress OK

SSH Camera and SPI need to be enabled/



The image shows a configuration window with four tabs: 'System', 'Interfaces', 'Performance', and 'Localisation'. The 'Interfaces' tab is active. It contains a list of interface options, each with two radio buttons: 'Enabled' and 'Disabled'. The 'Camera' and 'SPI' options have their 'Enabled' radio buttons selected. The 'SSH' option also has its 'Enabled' radio button selected. The 'VNC', 'I2C', 'Serial', '1-Wire', and 'Remote GPIO' options have their 'Disabled' radio buttons selected. At the bottom right of the window are 'Cancel' and 'OK' buttons.

Interface	Enabled	Disabled
Camera:	<input checked="" type="radio"/> Enabled	<input type="radio"/> Disabled
SSH:	<input checked="" type="radio"/> Enabled	<input type="radio"/> Disabled
VNC:	<input type="radio"/> Enabled	<input checked="" type="radio"/> Disabled
SPI:	<input checked="" type="radio"/> Enabled	<input type="radio"/> Disabled
I2C:	<input type="radio"/> Enabled	<input checked="" type="radio"/> Disabled
Serial:	<input type="radio"/> Enabled	<input checked="" type="radio"/> Disabled
1-Wire:	<input type="radio"/> Enabled	<input checked="" type="radio"/> Disabled
Remote GPIO:	<input type="radio"/> Enabled	<input checked="" type="radio"/> Disabled

Depress OK

Depress OK

***On Raspbian stretch requires***

***1313 packages***

***1400 packages with Ultibo dependencies***

***1427 packages with Ultibo & tools***