

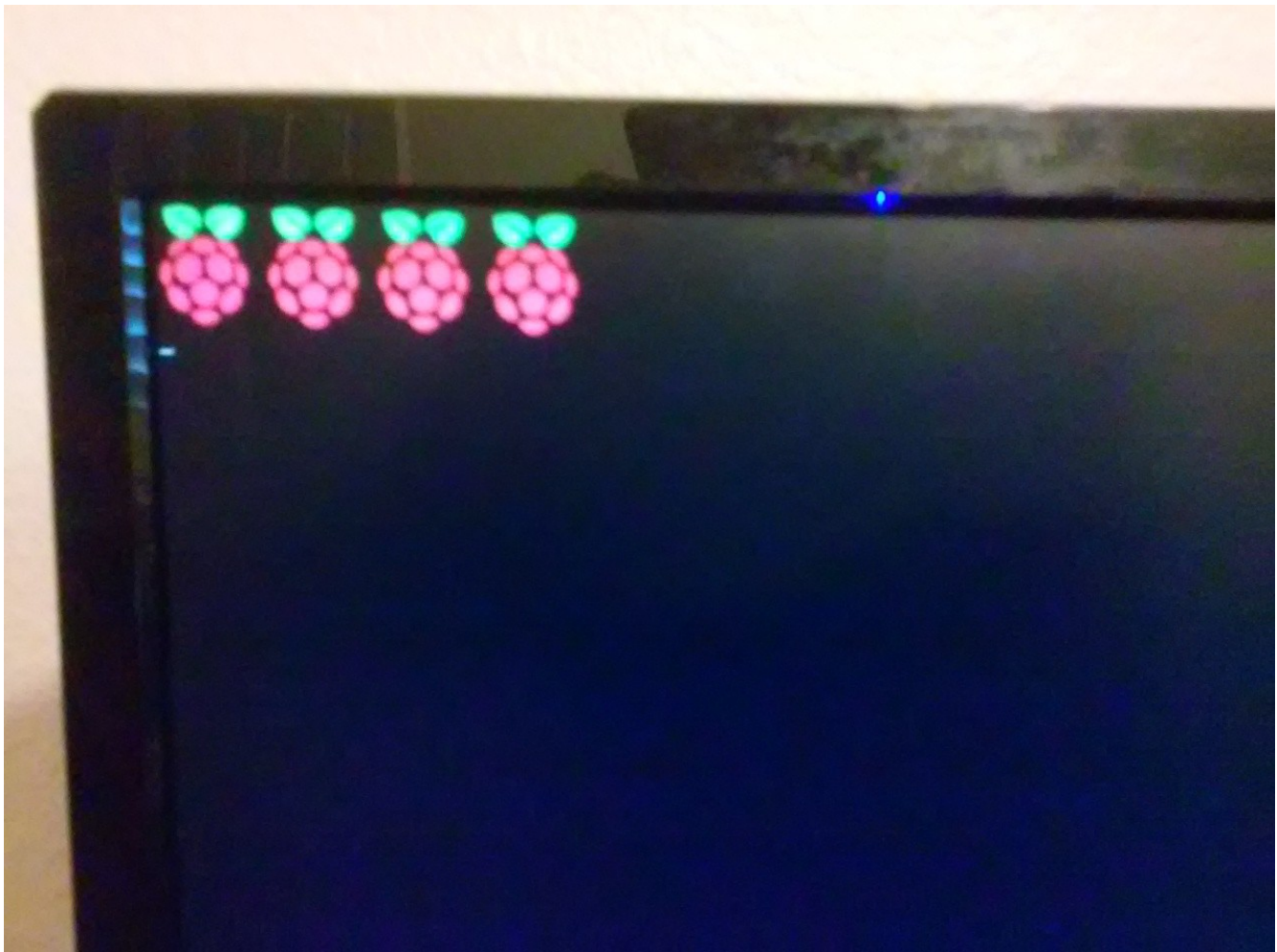
******Draft******

Custom Raspbian Image
image_2018-02-14-RaspbianUltibo.zip
First Boot
02/16/18

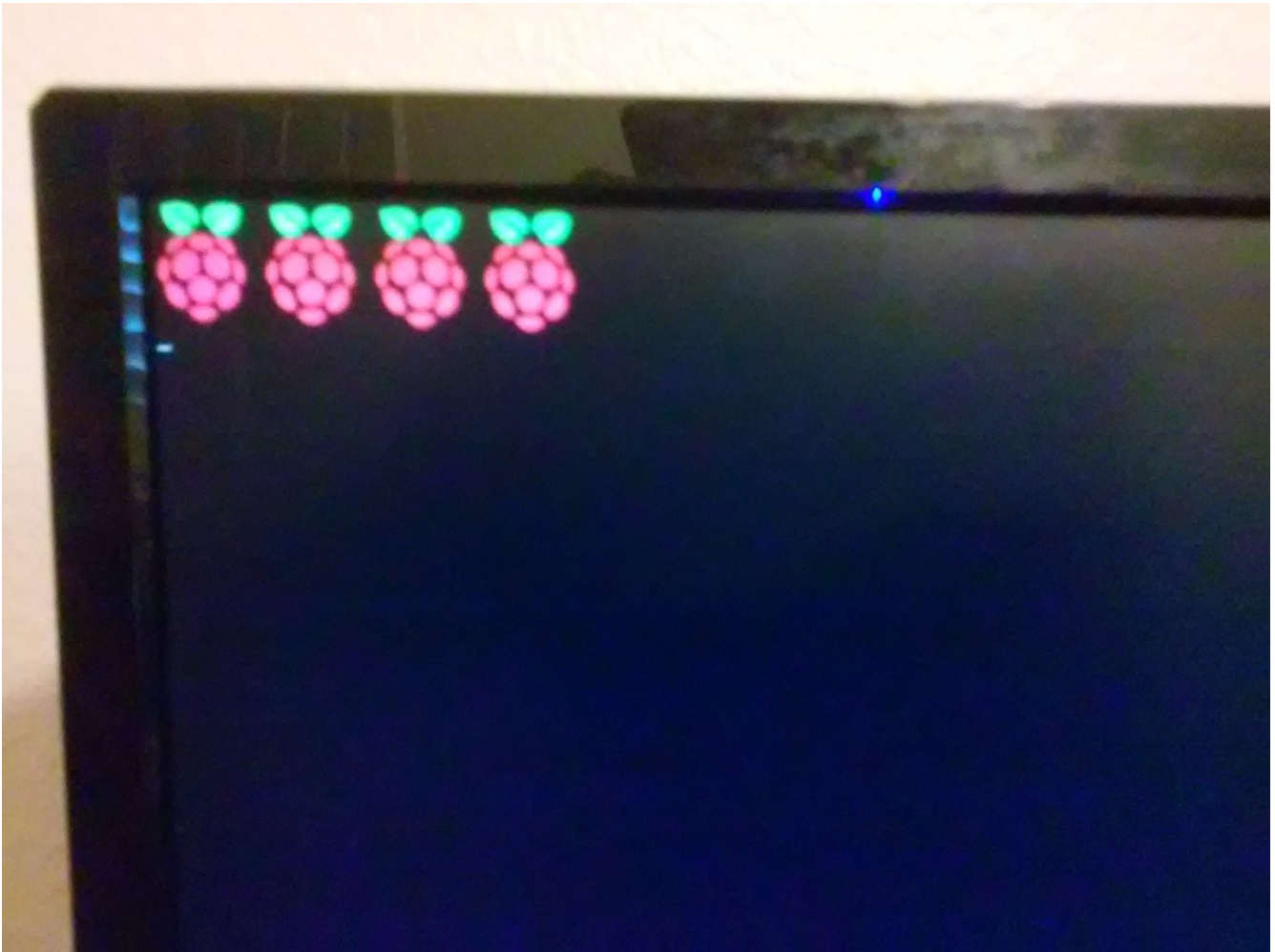
******Draft******

```
date > t1.txt; gzip -dc image_2018-02-14-RaspbianUltibo.zip | dd bs=16M of=/dev/sdb; date >> t1.txt
0+165834 records in
0+165834 records out
7730102272 bytes (7.7 GB, 7.2 GiB) copied, 696.3 s, 11.1 MB/s
Wed Feb 14 15:43:22 MST 2018
Wed Feb 14 15:54:58 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 the 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

Welcome to the
Raspberry Pi Desktop

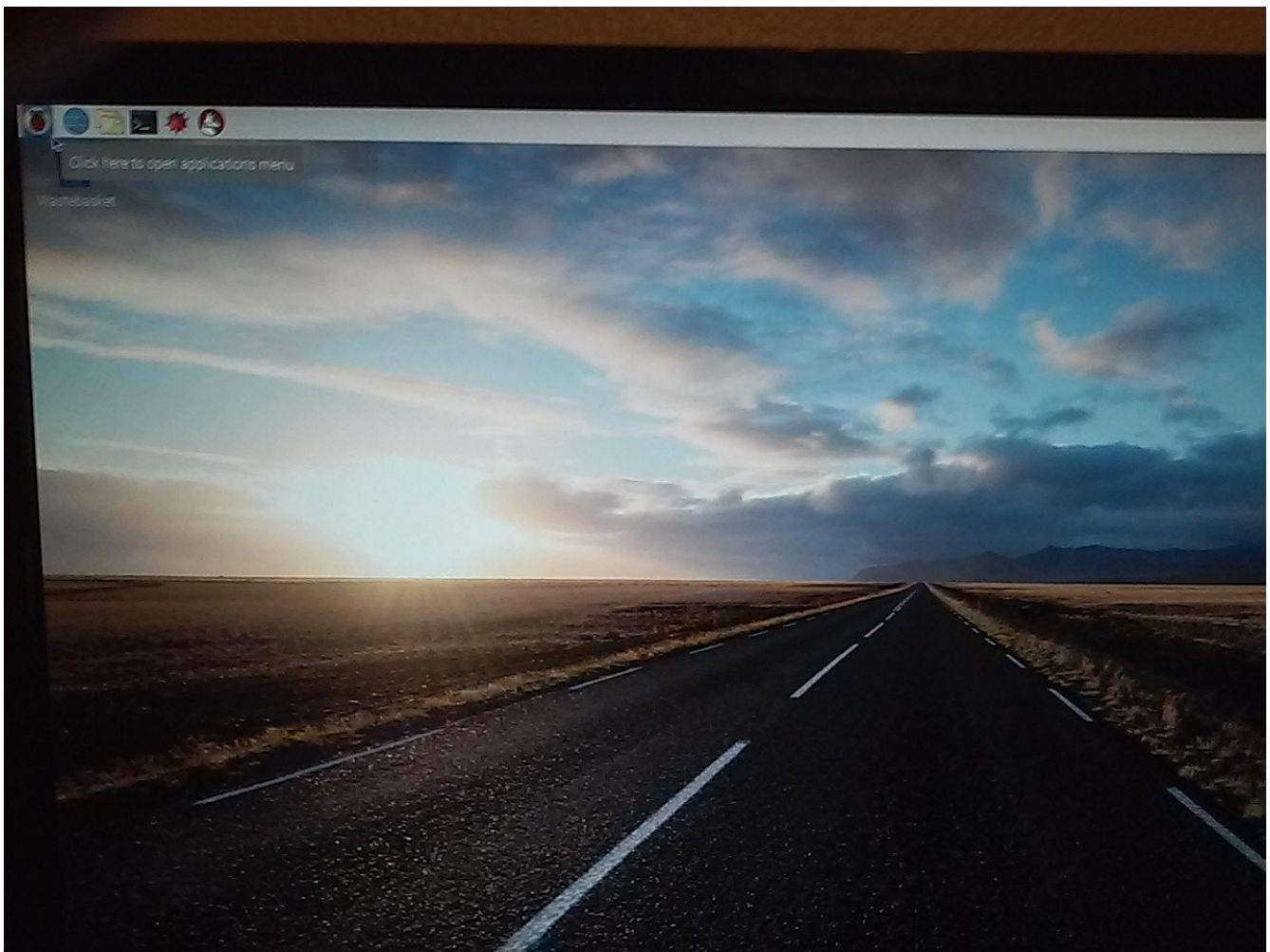


Powered by Raspbian

Release 2.2 - November 2017

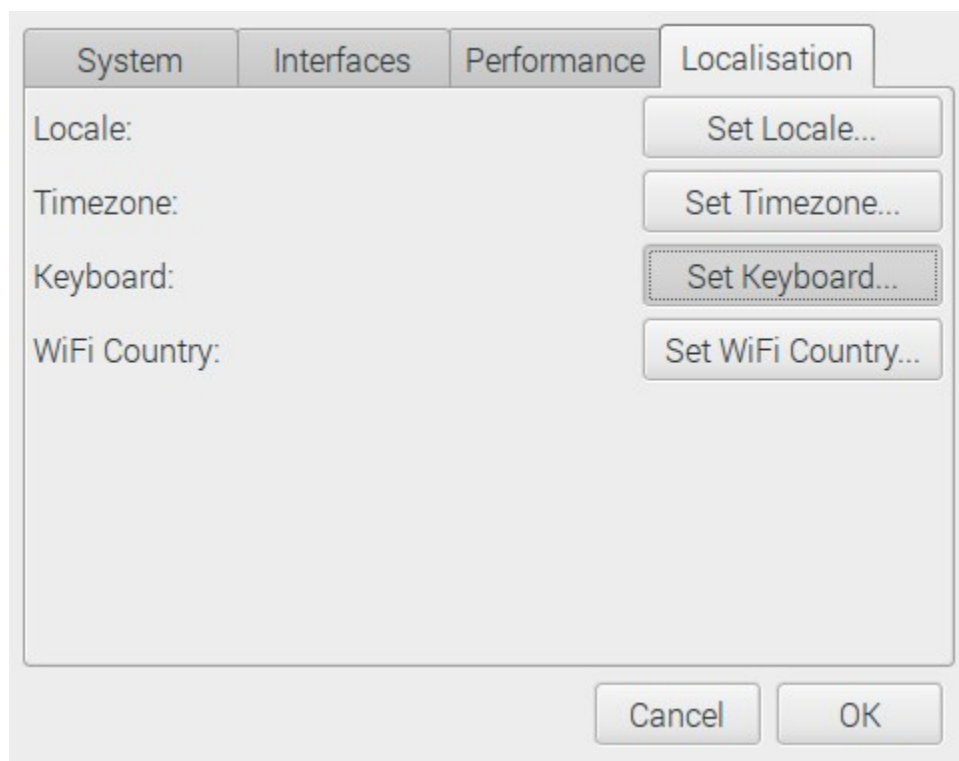
systemd-user-sessions.service

Then the main screen appears.

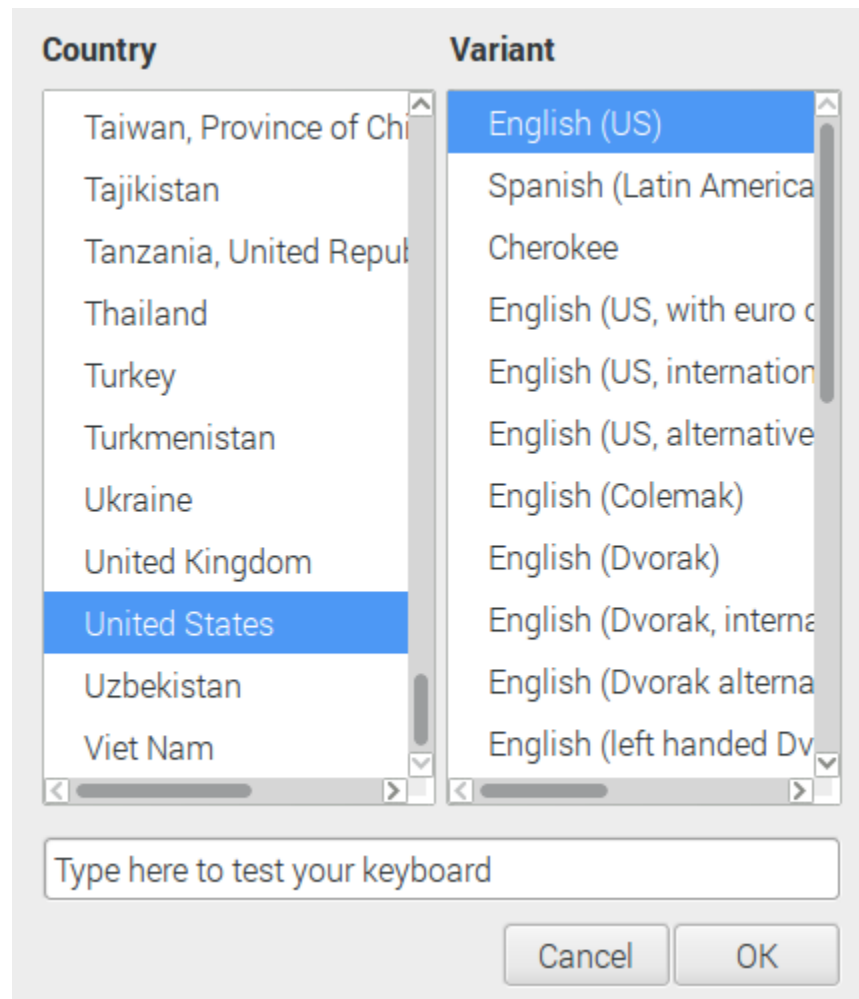


From the main menu open a terminal and execute ***“sudo passwd pi”***The pass word should be reset.

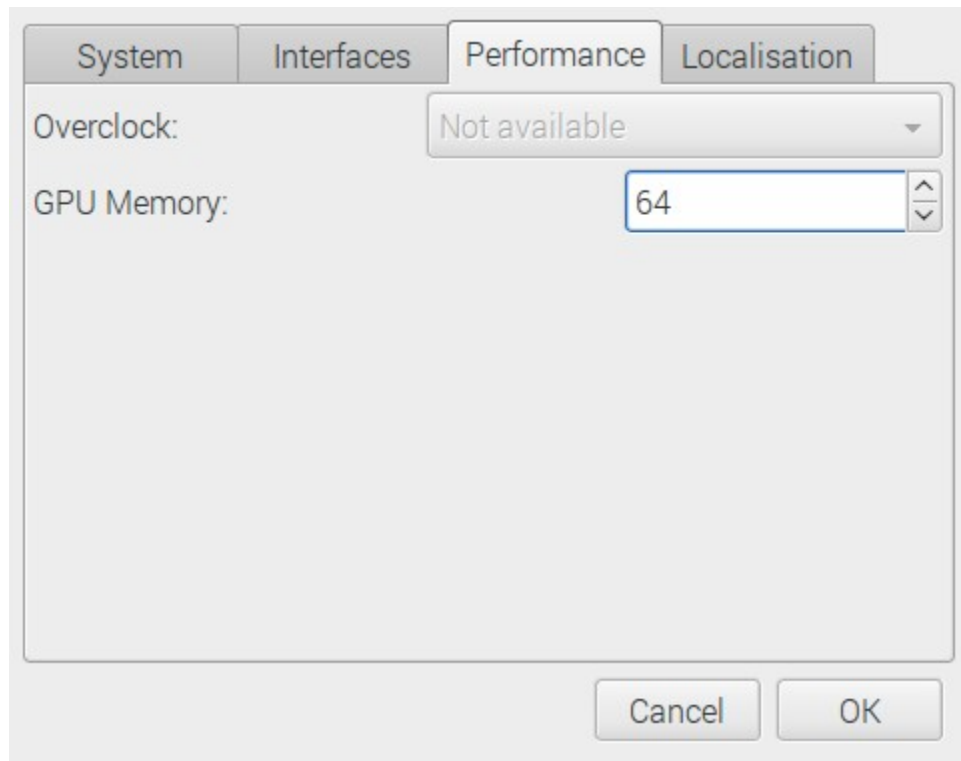
The Keyboard should be changed to



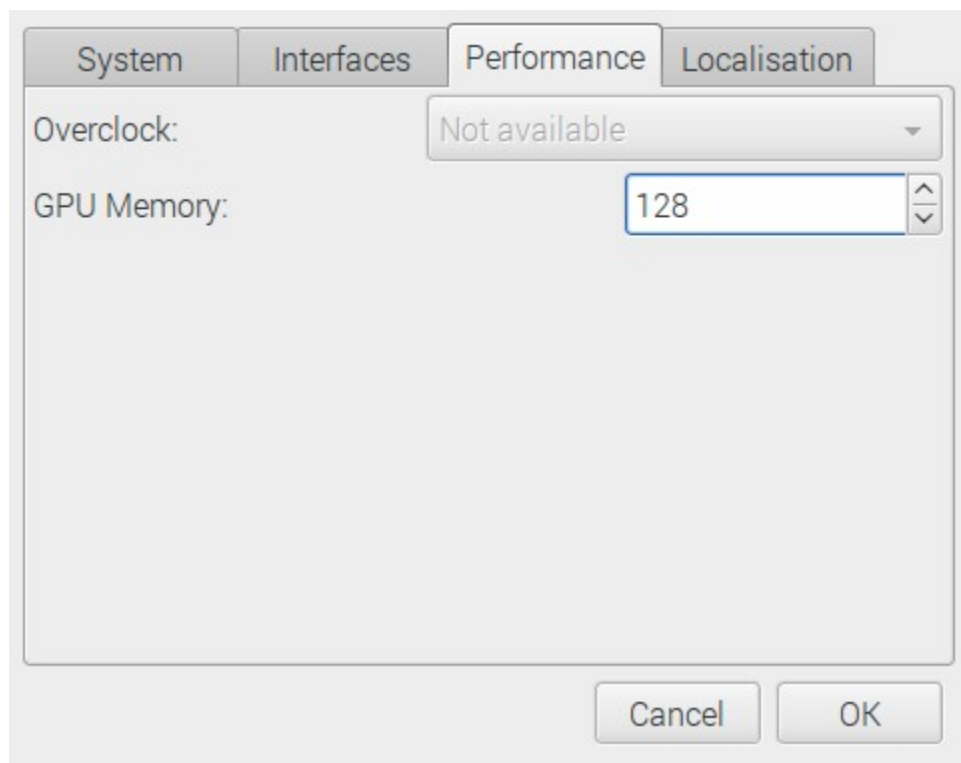
Depress OK
United States.English



Depress OK
The GPU memory needs to increase from 64M



Depress OK
to 128M.



Depress OK

SSH should be enabled

The screenshot 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 'SSH' option is currently set to 'Disabled'.

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

Buttons: Cancel, OK

Depress OK

The screenshot shows the same configuration window as before, but the 'SSH' option is now set to 'Enabled'. The 'Enabled' radio button is selected and highlighted with a text box.

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

Buttons: Cancel, OK

Depress OK

On Raspbian stretch requires

1313 packages

1400 packages with Ultibo dependencies

1420 packages with Ultibo & tools