



TO SET UP YOUR RASPBERRY PI YOU WILL NEED:

| ITEM | | MINIMUM RECOMMENDED SPECIFICATION & NOTES |
|------|---------------------------|--|
| 1 | microSD card | <ul style="list-style-type: none">▪ Minimum size 4Gb; class 4 (the class indicates how fast the card is).▪ We recommend using branded SD cards as they are more reliable. |
| 2A | HDMI to HDMI / DVI lead | <ul style="list-style-type: none">▪ HDMI to HDMI lead (for HD TVs and monitors with HDMI input). OR <ul style="list-style-type: none">▪ HDMI to DVI lead (for monitors with DVI input). |
| 2B | RCA video lead | A 3.5mm to RCA composite video lead and stereo audio cable is required to connect to your analogue display if you are not using the HDMI output. |
| 3 | Keyboard and mouse | <ul style="list-style-type: none">▪ Any standard USB keyboard and mouse should work.▪ Keyboards or mice that take a lot of power from the USB ports, however, may need a powered USB hub. This may include some wireless devices. |
| 4 | Ethernet cable [optional] | Networking is optional, although it makes updating and getting new software for your Raspberry Pi much easier. |
| | Power adapter | A good quality, micro USB power supply that can provide at least 600mA at 5V is essential. |

PLUGGING IN YOUR RASPBERRY PI

Before you plug anything into your Raspberry Pi, make sure that you have all the equipment listed above to hand. Then follow these instructions:

1. Begin by slotting your microSD card into the microSD card slot on the Raspberry Pi, which will only fit one way.
2. Next, plug in your USB keyboard and Mouse into the USB slots on the Raspberry Pi.
3. Make sure that your monitor or TV is turned on, and that you have selected the right input (e.g. HDMI 1, DVI, etc).
4. Then connect your HDMI cable from your Raspberry Pi to your monitor or TV.
5. If you intend to connect your Raspberry Pi to the internet, plug in an ethernet cable into the ethernet port next to the USB ports, otherwise skip this step.
6. When you are happy that you have plugged in all the cables and microSD card required, finally plug in the micro usb power supply. This action will turn on and boot your Raspberry Pi.

LOGGING INTO YOUR RASPBERRY PI

1. Once your Raspberry Pi has completed the boot process, a login prompt will appear. The default login for Raspbian is username **pi** with the password **raspberrypi**. Note you will not see any writing appear when you type the password. This is a security feature in Linux.
2. After you have successfully logged in, you will see the command line prompt **pi@raspberrypi~\$**
3. To load the graphical user interface, type **startx** and press Enter on your keyboard.

PART TWO: SAFETY INSTRUCTIONS

RASPBERRY PI REGULATORY COMPLIANCE AND SAFETY INFORMATION

IMPORTANT: PLEASE RETAIN THIS INFORMATION FOR FUTURE REFERENCE

GETTING STARTED

For full set up and installation instructions please visit <http://www.raspberrypi.org/qsg>

WARNINGS

- This product shall only be connected to an external power supply rated at 5V dc, and a minimum current of 600-1800mA. Any external power supply used with the Raspberry Pi shall comply with relevant regulations and standards applicable in the country of intended use.
- This product should be operated in a well ventilated environment and, if used inside a case, the case should not be covered.
- This product should be placed on a stable, flat, non-conductive surface in use and should not be contacted by conductive items.
- The connection of incompatible devices to the GPIO connector may affect compliance or result in damage to the unit and invalidate the warranty.
- All peripherals used with the Raspberry Pi should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met. These articles include but are not limited to keyboards, monitors, and mice used in conjunction with the Raspberry Pi.
- Where peripherals are connected that do not include the cable or connector, the cable or connector used must offer adequate insulation and operation in order that the requirements of the relevant performance and safety requirements are met.

INSTRUCTIONS FOR SAFE USE

To avoid malfunction or damage to your Raspberry Pi please observe the following:

- Do not expose it to water, moisture or place on a conductive surface whilst in operation.
- Do not expose it to heat from any source; the Raspberry Pi is designed for reliable operation at normal ambient room temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- Avoid handling the printed circuit board while it is powered. Only handle by the edges to minimise the risk of electrostatic discharge damage.
- The Raspberry Pi is not designed to be powered from a USB port on other connected equipment, if this is attempted it may malfunction.

COMPLIANCE INFORMATION

The Raspberry Pi complies with the relevant provisions of the RoHS Directive for the European Union. In common with all Electrical and Electronic Equipment (EEE) the Raspberry Pi should not be disposed of as household waste. Alternative arrangements may apply in other jurisdictions.

ELECTROMAGNETIC COMPATIBILITY AND OPERATION

- This product is in conformity with the protection requirements of EU Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility.
- This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to the European Standard.
- NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna
 - Increase the separation between the equipment and receiver
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
 - Consult the dealer or an experienced radio/TV technician for help
- This Class B digital apparatus complies with CAN ICES-3 (B). Cet appareil numérique de la classe B est conforme à la norme NMB-3 (B) du Canada.
- WARNING: Please do not alter or modify the design of this product, doing so may void your ability to use the product freely, this includes altering the frequency at which the product operates.

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element14
Raspberry Pi 2
Model B