

Raspberry Pi Quick Start Guide

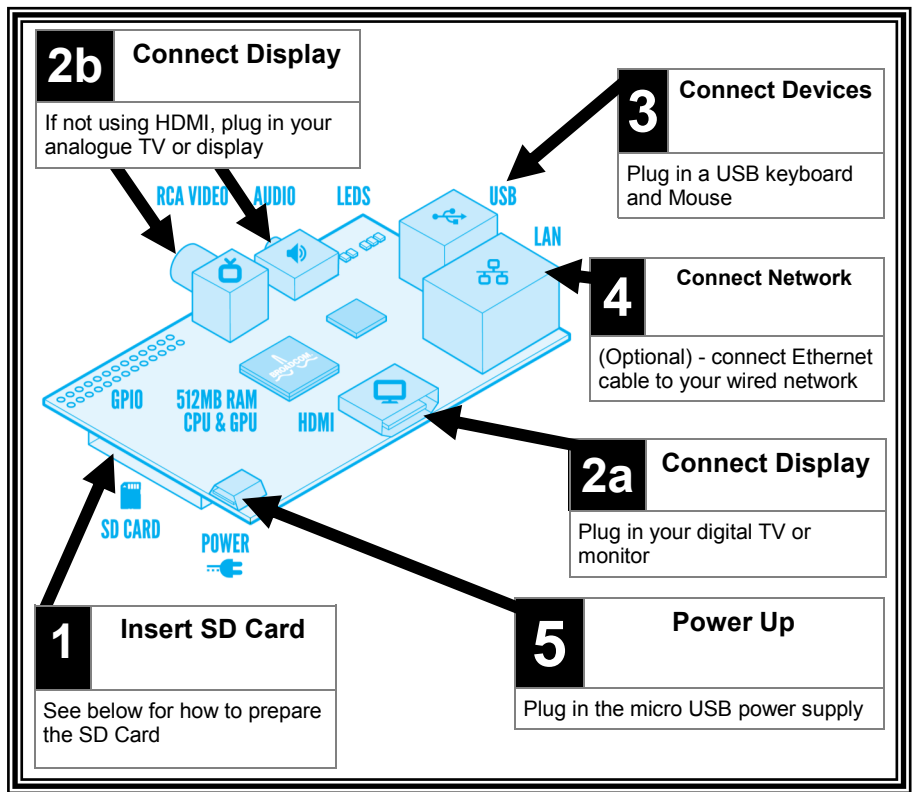
Peripherals you will need

Before you start using your Raspberry Pi, there are a number of peripherals you will need. Some are essential, others are optional.

- 1. SDHC Card** - this is required as the Raspberry Pi will only boot from an SDHC card. The minimum recommended size is 4Gb, class 4 (the class indicates the speed of the card). Branded SD cards are also recommended.
- 2a. HDMI to HDMI / DVI lead** - If connecting to a HDTV or monitor with a HDMI input, a HDMI to HDMI cable will be required. If your monitor has a DVI input, then a HDMI to DVI cable will be required.
- 2b. RCA video lead** - If connecting your Pi to an older analogue display (such as an old TV), a standard RCA composite video lead will be required.
- 3. Keyboard and Mouse** - Most standard USB keyboards and mice should work, however keyboards and mice which use a lot of power (such as wireless models) may need a powered USB hub to function properly with the Pi.
- 4. Ethernet (network) cable** - A network connection allowing access to the Internet is optional, however it will make updating the Raspberry Pi and installing new software much easier.
- 5. Power adapter** - The Pi's power input is micro USB, so to power it you will need both a micro USB to USB cable and a USB to mains power adapter. The power adapter must provide at least **700mA at 5V**; any less than this and your Pi won't work properly. The supply can be above 700mA.

Other optional accessories

- Wireless USB network adapter** - If your Pi isn't within easy access of a wired network port, a wireless USB network adapter can be used for access to a network and the Internet. Please note that as the Pi only has two built-in USB ports, you will likely need to purchase a powered USB hub (see below) in order to use the wireless adapter along with a keyboard and mouse.
- Powered USB hub** - If you are just using a keyboard and mouse with your Pi, then you probably won't require a USB hub. However, if you plan on connecting any additional USB devices such as memory sticks or wireless adapters, a powered USB hub will be required. A USB hub without it's own power supply is not recommended as other power sources may not provide enough power.
- Audio lead** - If connecting your Pi to a HDMI device with speakers, you will not need any additional audio cables. If connecting to an external audio device such as normal PC speakers, a 3.5mm to 3.5mm audio cable will be required. If connecting to an analogue device with speakers (such as an old TV), a 3.5mm to 2x RCA phono audio cable will be required.



Operating System

Before using your Raspberry Pi, you will need an SDHC card containing a Raspberry Pi OS (the OS is the software which controls everything, like Windows on a PC or OSX on a Mac). Pre-installed SDHC cards can be purchased, which require no further setup. However, if you wish to load a Raspberry Pi OS on to an SDHC card manually, please refer to the documentation found at: www.wishtrac.com/pi-help

Booting your Raspberry Pi (Raspian Wheezy/Debian Wheezy OS)

Once you have connected the peripherals in order as shown on the diagram, your Raspberry Pi will start to boot. When the various processes have loaded, you will be prompted for a raspberry pi login and password:

Login: pi
Password: raspberry

Please note that no characters will appear on screen when typing the password, not even asterisks (***). This is completely normal.

When you have correctly entered the login and password, you will then see the prompt **pi@raspberrypi ~\$**. You can start the desktop from here by typing **startx** and pressing enter.

If you need any additional help setting up your Raspberry Pi, please refer to www.wishtrac.com/pi-help



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LW006	COMPOSITE Cable: 2m A/V RCA Phono to RCA Phono Cable - Will transfer video ONLY	£1.49		
BN019	COMPOSITE KIT: For connection to TV/Monitor Composite input (Yellow, White, Red) - audio & video	£1.99		
BN020	SCART KIT: Contains all cables needed to connect a Raspberry Pi to TV with SCART connection	£3.99		
LB	Audio Cable: 2 metre 3.5mm jack to 3.5mm jack cable	£1.79		
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LW010	Kingston SDHC Memory Card 4 Gb (Class 4)	£4.99		
LW011	Kingston SDHC Memory Card 16 Gb (Class 4)	£9.99		
LW016	Kingston SDHC Card 4 Gb (Class 4) pre-installed latest Raspbian Wheezy Operating System; memory expanded	£7.99		
LW017	Kingston SDHC Card 16 Gb (Class 4)pre-installed latest Raspbian Wheezy Operating System; memory expanded	£12.99		
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LW018	4 port Powered USB Hub - Can be used to power Raspberry Pi via supplied USB lead	£8.99		
LJ	2 metre USB Extension Cable (male to female connection)	£2.99		
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LW008	Network Cable: 2 metre RJ45 Cat5e in Blue	£1.49		
LW009	Network Cable: 5 metre RJ45 Cat5e in Blue	£1.79		
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