

Welcome!

Raspberry Pi RaspBMC

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Topics

- What is XBMC?
- What is 'flashing'?
- Software we need to flash the image
- Flashing the image
- Plugging in and booting up for the first time



What is XBMC?

- **XBMC (Kodi)** – A media center software available for Linux. It's free, open-source, and widely used.
- Integrates with Windows Shares, Samba Shares, and can even stream content from uPnP devices like the HDHomeRun
- Allows you to make a media center for playing media within your home.
- We will be using RaspBMC for this demonstration.



What is 'flashing'

- **Flashing** is the process of loading an image onto a storage device.
- In this case, we will be flashing a pre-installed image of Raspbian onto an SD Card
- It's super convenient most of the time to use this method as you don't have to sit through the whole install process.
- Allows you to also create images of installations and their content



Software we need to flash the image

- Download the following:
 - RaspBMC Image:
 - http://downloads.raspberrypi.org/raspbmc_latest
 - Win32 Disk Imager:
 - <http://sourceforge.net/projects/win32diskimager/>
 - Program to extract the ZIP
 - You can use the default windows methods or use WinRAR, 7-Zip, or WinZip.
- Optional Software:
 - SDFormatter
 - Needed to format SD cards that have content on them.
 - https://www.sdcard.org/downloads/formatter_4/



Flashing the image

- Assuming you've extracted the contents of the ZIP and downloaded the Win32 Disk Imager software, we can now begin!
- Steps:
 1. Insert your SD Card and wait for your PC to recognize it.
 2. Run Win32 Disk Imager.
 3. Select the IMG file that you just extracted.
 4. Make sure the device is showing the correct SD card.
 5. Press 'Write'.
 6. Once you do this, it will overwrite everything on the card.
- It will take several minutes to write the content to the SD card.
- Once you've done that, the card is ready to be put in the Raspberry Pi.



Plug into a Monitor/TV

- We need to setup the Raspberry Pi for your usage and allow the full usage of the SD card.
- Steps:
 1. Put the SD Card into the Raspberry Pi.
 2. Plug the Raspberry Pi into your Monitor/TV using an HDMI, VGA (Converter), or RCA video cable.
 3. Plug your keyboard into the Raspberry Pi.
 4. Plug your Micro USB adapter into the Raspberry Pi and it will boot up.
 5. You should see the RaspBMC logo pop up on the screen for a moment.
- The Raspberry Pi will then proceed with it's boot process.
- After the logo, it will proceed to set itself up.
- It might reboot once or twice during this process.
- Once it boots, answer the questions on the screen.



From Here...

- You can add shares/devices
 - Samba Shares
 - uPnP Devices
 - Windows Shares
 - FTP Shares
 - External USB Stick
 - External Hard Drive (Needs a USB powered hub)
 - Local Content
 - Transfer over SFTP (Using SSH)
- Adjust time/date
- Setup wireless connectivity
 - Programs > RaspBMC Settings > Change from wired to wireless



Questions?



Feel free to ask any questions you may have now!

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