How to build the 'Internet Box'?

Well, it depends on how tech-savvy you are... If you know your way around electric circuits, you can just follow the diagram to your right and easily build it yourself! If, like me, you are NOT that savvy, you can buy the parts and take them to a friendly electrician to help you out... :)

These are the materials you'll need: **2 AA 1.5V batteries**; **2 LED's**; **2 switches**; **electric wire**; and **2 resistors** (optional, just in case you want to expand the life span of your LED's by making sure you're sending exactly the right voltage through). These are the basics!

You can then get plastic boxes (like the ones you see in the picture, on top of the diagram) and make it so that the batteries are kept inside one of the boxes, and the only things sticking out of either box are the LED's and the switches .

So, this is how we did it… The positive output of the battery is wired to terminal 1, the left one, of the switch in BOX 1 (red wire). Both terminals 1, from both switches, are connected to each other (blue). The anodes (+) of the LED's are connected to the common terminal, the middle one, of the switches (green). Both common terminals, from both switches, are also connected (yellow). The cathodes (-) of the LED's are connected to Ground (-) in the battery (black). You'll then have three wires (black, yellow and blue) going from one box to the other.

This way whenever you turn on one of the switches both LED's light up, and when you turn them off both go dark!

BOX 1

Optional **cable jacket** for the wires going from one box to the other.

BOX 2