Most of us spend a significant amount of our waking hours slaving away at work and find that when we return home, we have a list of chores that need to be taken care of before we can rest in peace and quiet. Wouldn't it be nice to be able to come home and find that the house is cool, the rice is cooked, and the clothes are freshly laundered and ready to be dried?

The idea behind constructing this device is to implement a new technology to switch on a power switch by using a Telephone System, Modem and Remote Access Switch’s interface. This circuit will activate its 240V AC outlet when a predetermined number of rings occur on the phone line. The remote access switch will enable the user to turn on any appliance that is connected to it from a remote location. Remote Access Switch will use the telephone line to receive ring pulse signal from incoming call. The USB External Modem will generate a ring pulse width and send the pulse signal to Remote Access Switch’s Interface via USB to RS232 connector which consists of Ring Indicator (RI), Data Carrier Detect (DCD) & Ground (GND) signals. This device makes life easier & convenient to remote a power switch at anywhere & anytime.

Haroon Rashid
Haroon Rashid is a Researcher with The National University of Malaysia (UKM). He completed his postgraduate studies in Microelectronics Engineering from The National University of Malaysia & his undergraduate at University of Sunderland (UK) in Electronic & Electrical Engineering. His research areas are in IRIS recognition, VLSI & Renewable Energy.