

# GSM Based Home Automation using Arduino

<https://circuitdigest.com/microcontroller-projects/gsm-based-home-automation-using-arduino>

in this project we are building a home automation system, where one can control the home appliances, using the simple **GSM based phone**, just by sending SMS through his phone. GSM phone will work to switch ON and OFF any home electronic appliances, from anywhere

**Arduino Nano** is used for controlling whole the process. Here we have used GSM wireless communication for controlling home appliances. We send some commands like “#A.light on\*”, “#A.light off\*” and so on for controlling AC home appliances. After receiving given commands by Arduino through GSM, Arduino send signal to relays, to switch ON or OFF the home appliances using a relay driver.

## circuit

### components

Aurdino Nano	180-250
GSM Module	from college
ULN2003	70
Relay 5 volt	30
Bulb with holder	riya
Connecting wires	50
Bread board	0
16x2 LCD	170
Power supply	0
Cell phone	0
Total	1470



