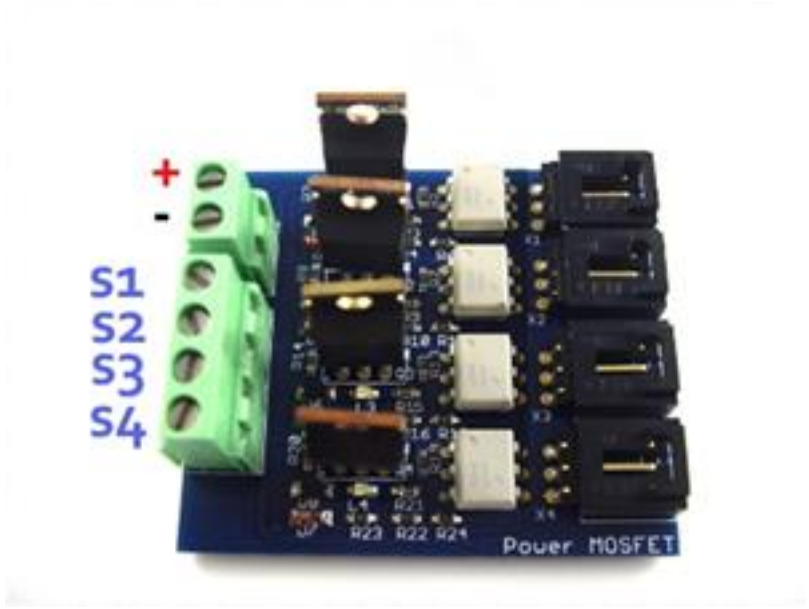
User Manual

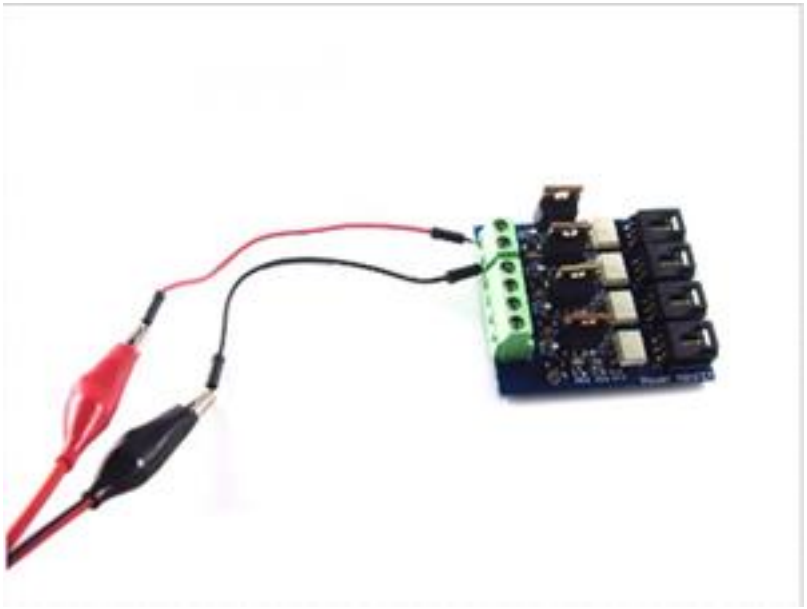
MOSFET is an electronic devices with good switching characteristics. It is widely used in circuits, such as power supplies switching ,motor drives, lighting dimmer and so on. Relay is another kind of module with switching characteristics. Since relay works relying on mechanical contacts to open or shut. In this way it s will inevitably lead to relay's stopping working while switching time is too short. And papa sound made by relay in some situations is annoying.

We designed a 4-channel MOSFET switch. It can supply up to four groups of electronic switches to control different circuit blocks respectively. Limited by the working priciples, MOSFET can only be used to control the DC circuit, such as DC-LED screen and so on, but not suitable for AC circuit control.

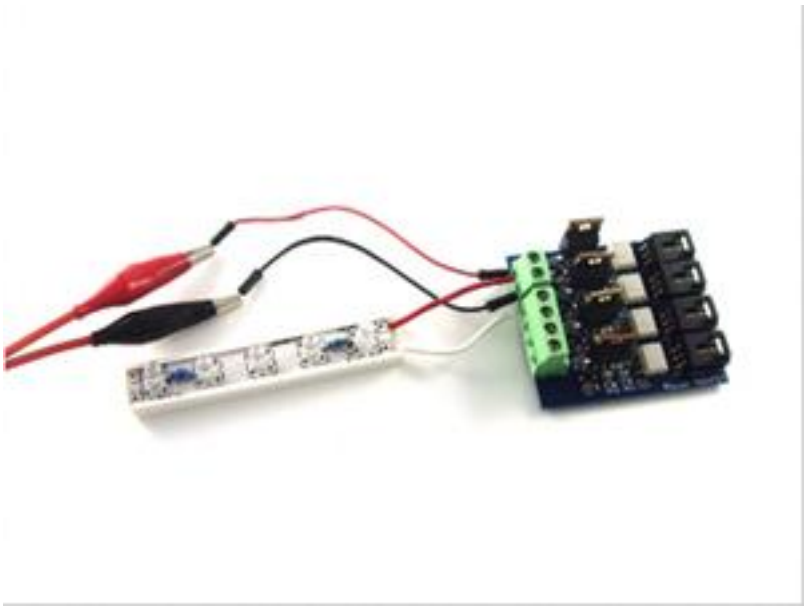
Step 1,About circuit connection,there will be some trouble at the controlled end.To control a 12V LED light,for example,please connect the positive (+) and negative (-) to the power firstly.



Please connect the positive (+) on LED light with the positive of module.And the negative (-) on LED light can be connected to the switch 1 (S1).



If there are other LED lights needed to be controlled,you just connect the positive (+) on LED light with the positive of module as well.And the negative (-) on LED light can be connected to the switch 2 (S2), switch 3 (S3), the switch 4 (S4) in turn.



The connection of controlled side is easier.We only need to connect the corresponding control port with Arduino sensor expansion board through a sensor cable.In that way,two 12V LED lights can be controlled by Arduino which as shown below,