

Proteus VSM (release 7.1 SP4)

#01 Basic use

Infomind

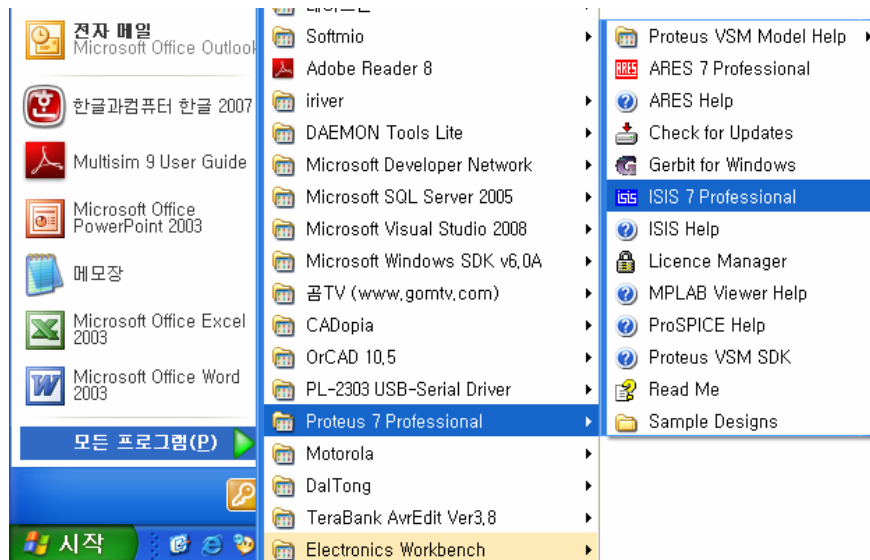
2009.2.25



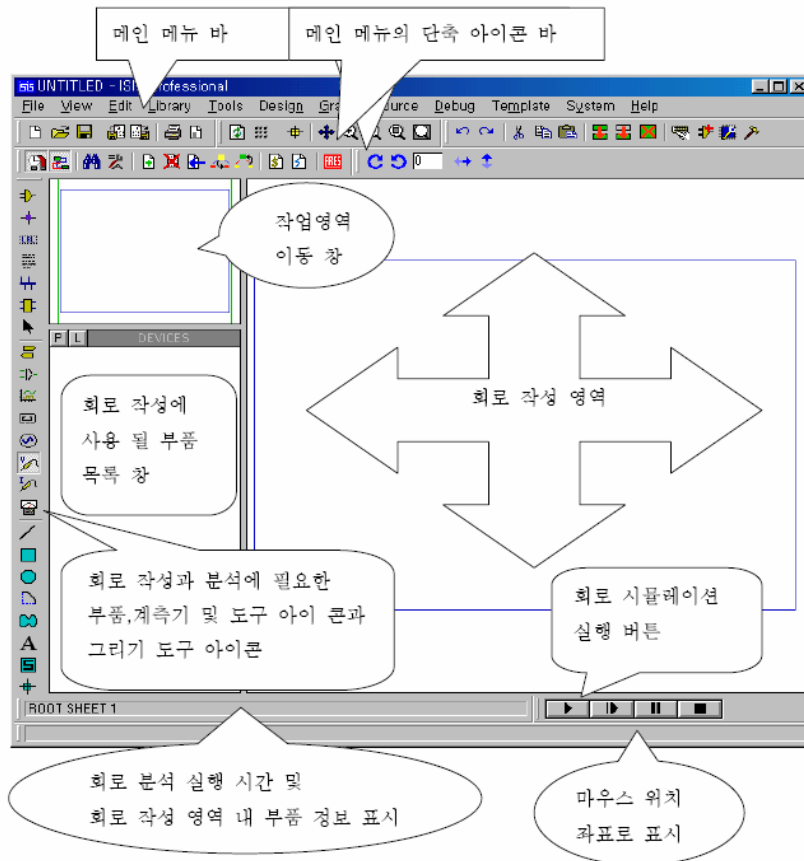
What is Proteus VSM?

- Proteus Virtual System Modelling(VSM) combines mixed mode SPICE circuit simulation, animated components and microprocessor models to facilitate co-simulation of complete microcontroller based designs. For the first time ever, it is possible to develop and test such designs before a physical prototype is constructed.
- You want light version
click here → http://www.picbasic.org/proteus_vsm.php
- You want more information
click here → <http://www.labcenter.co.uk/index.cfm>

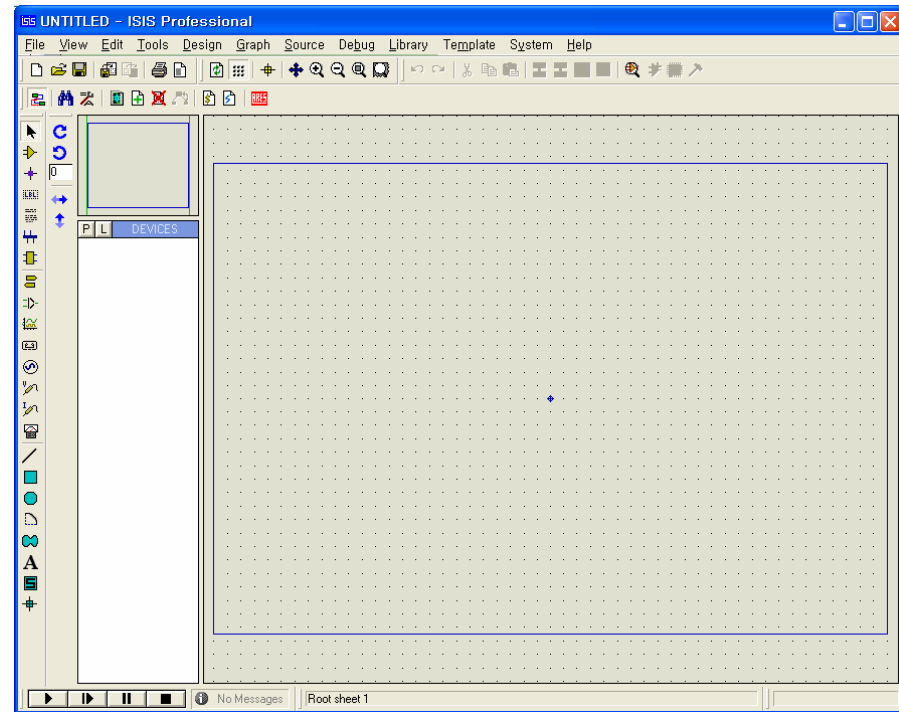
How to begin?



Menu



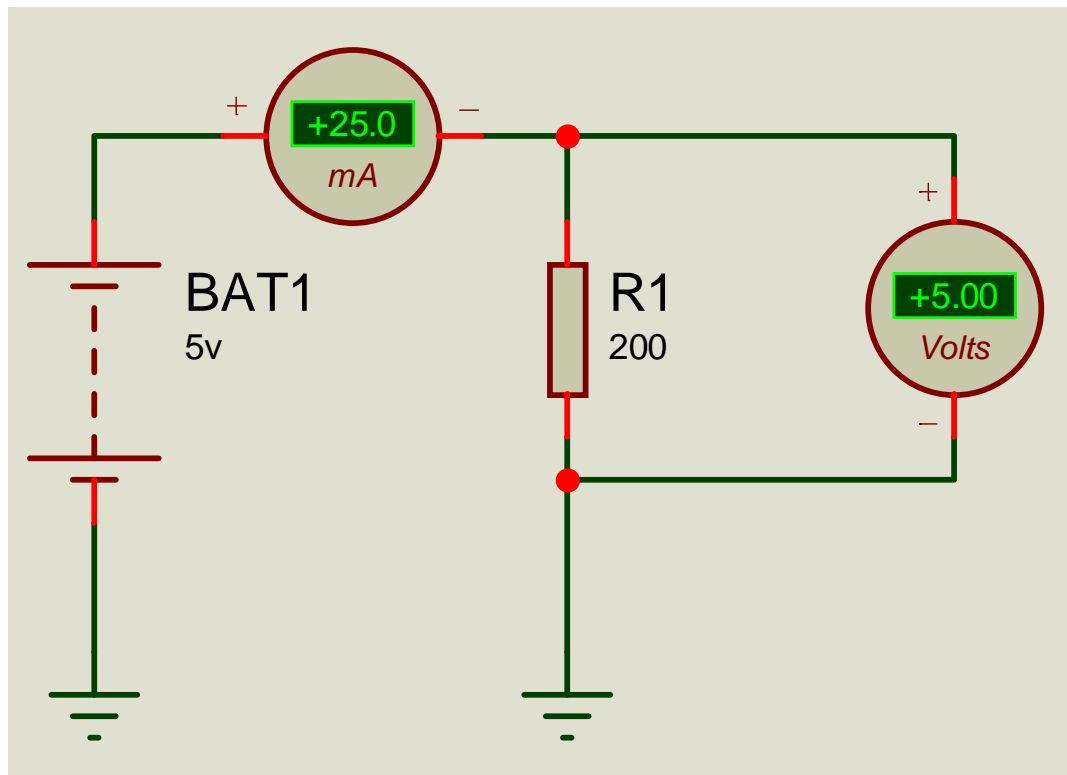
Ver. 6.5



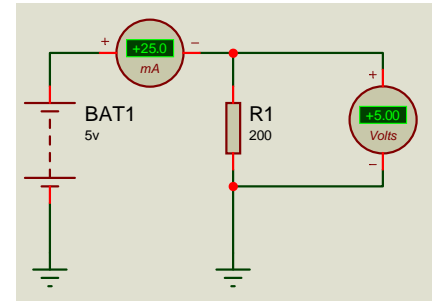
Ver. 7.1

Simple example

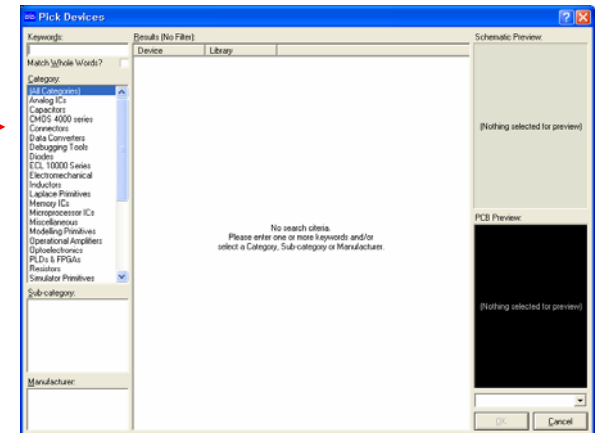
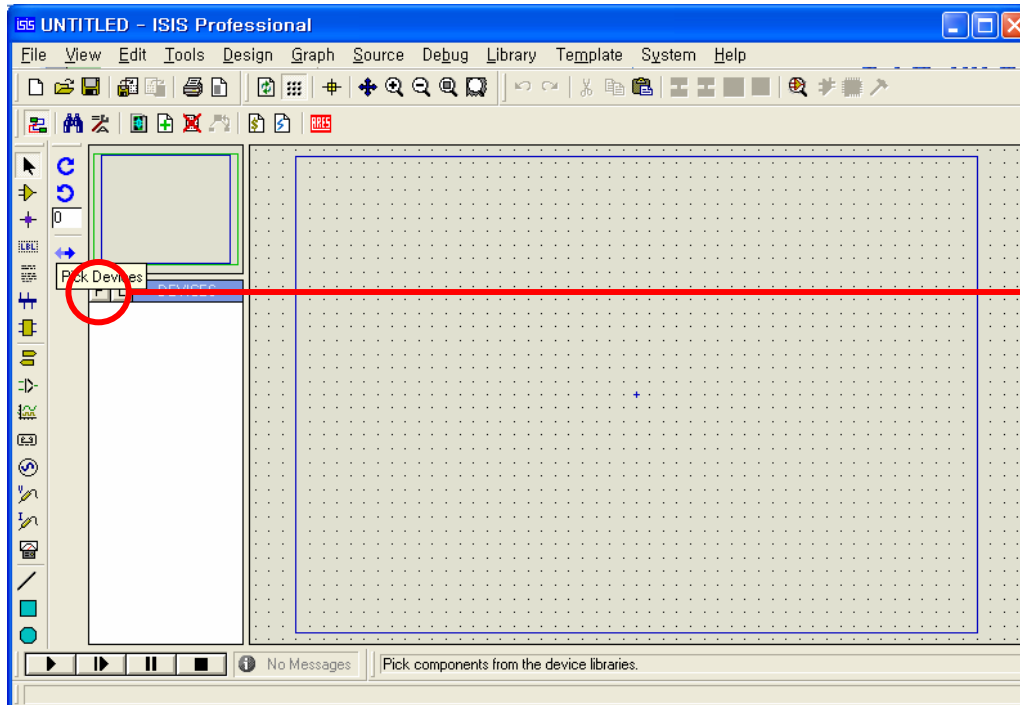
- We construct simple electric circuit.



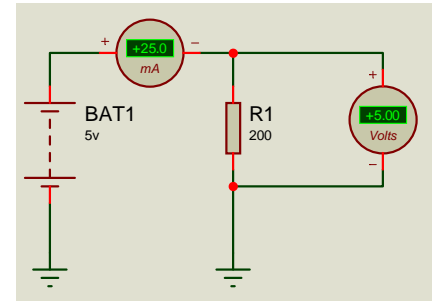
Simple example (continue)



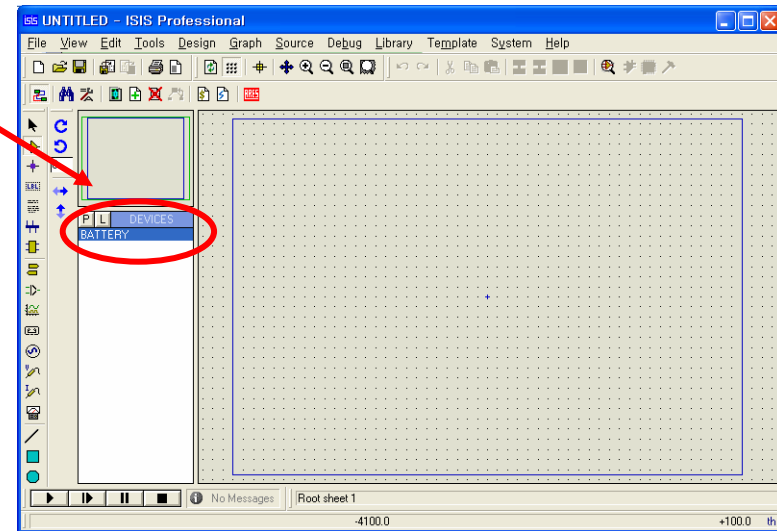
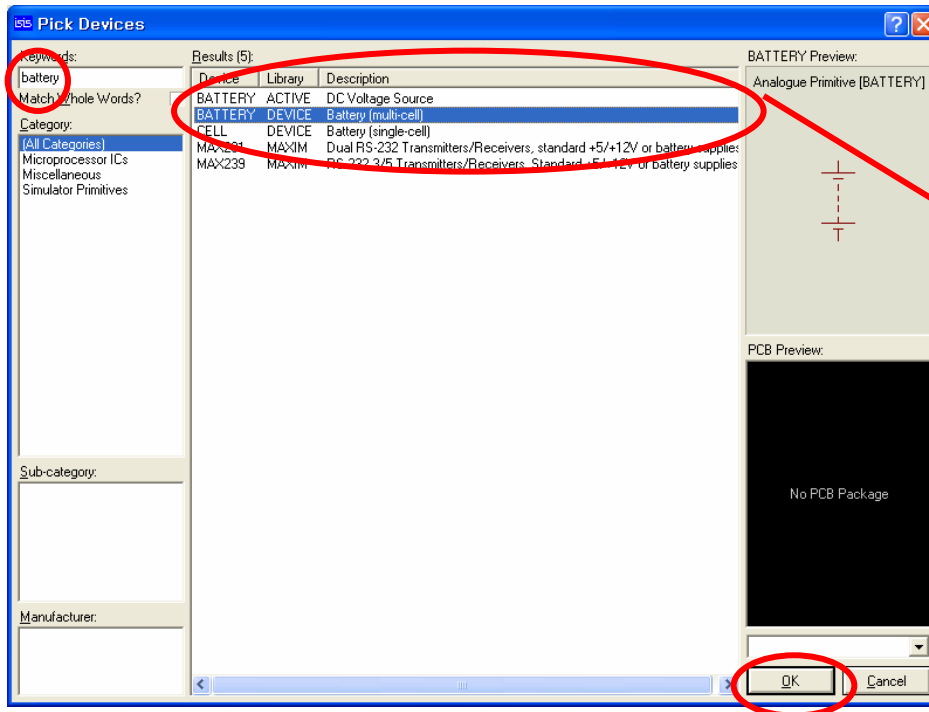
- Click DEVICES PANEL → 



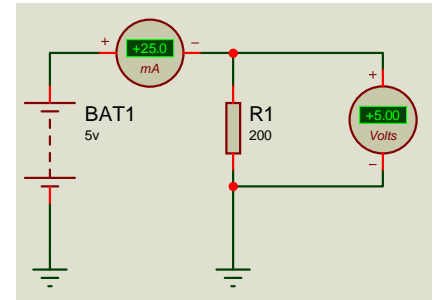
Simple example (continue)



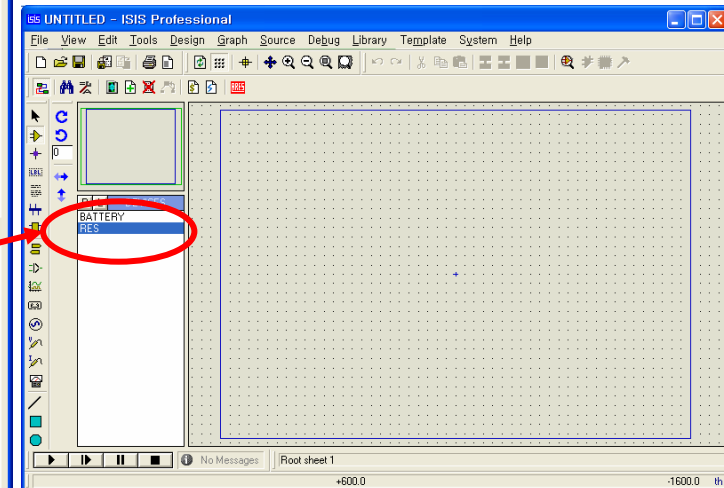
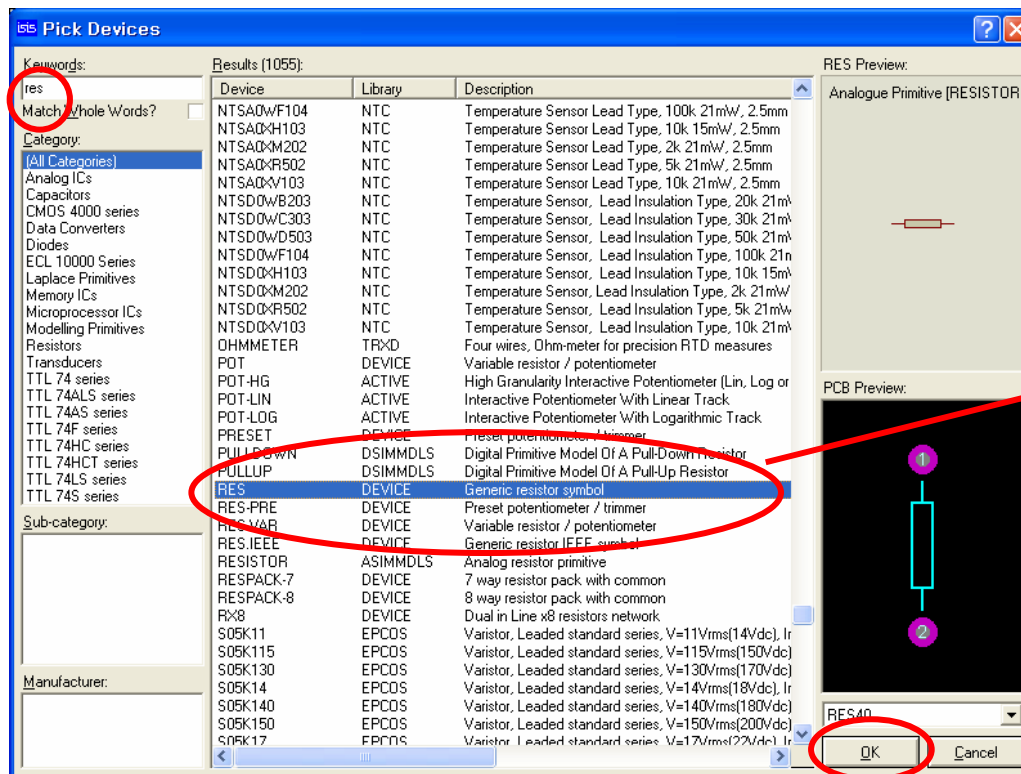
- Fill the keywords “battery” then you can see the battery on DEVICES panel



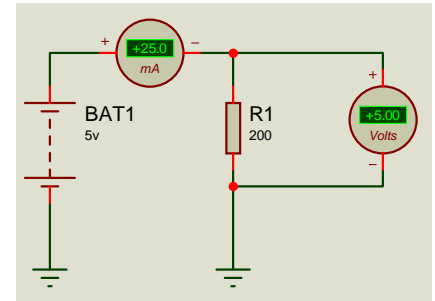
Simple example (continue)



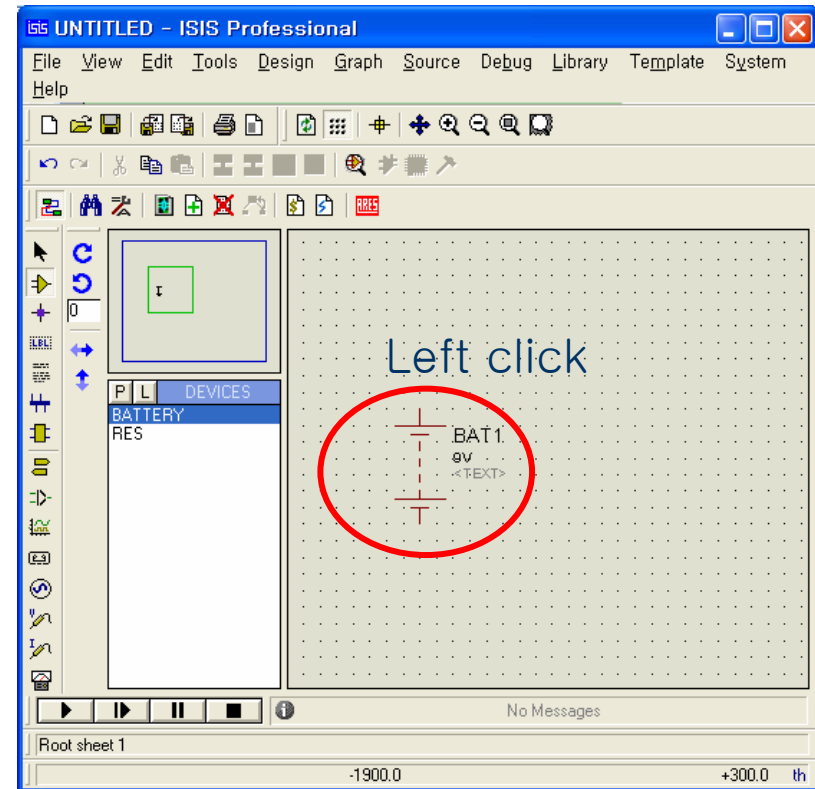
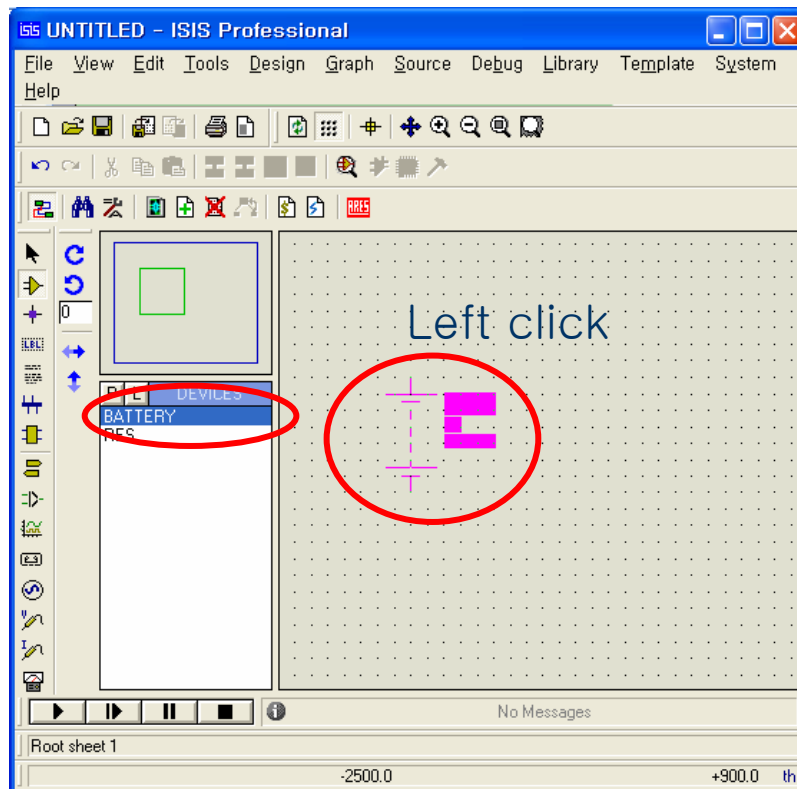
- Add resister. Keyword is “RES”



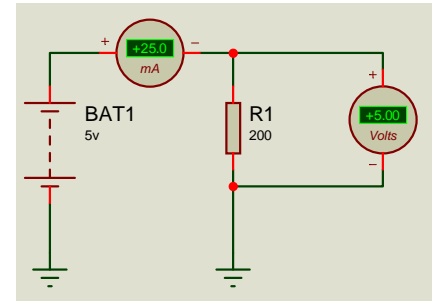
Simple example (continue)



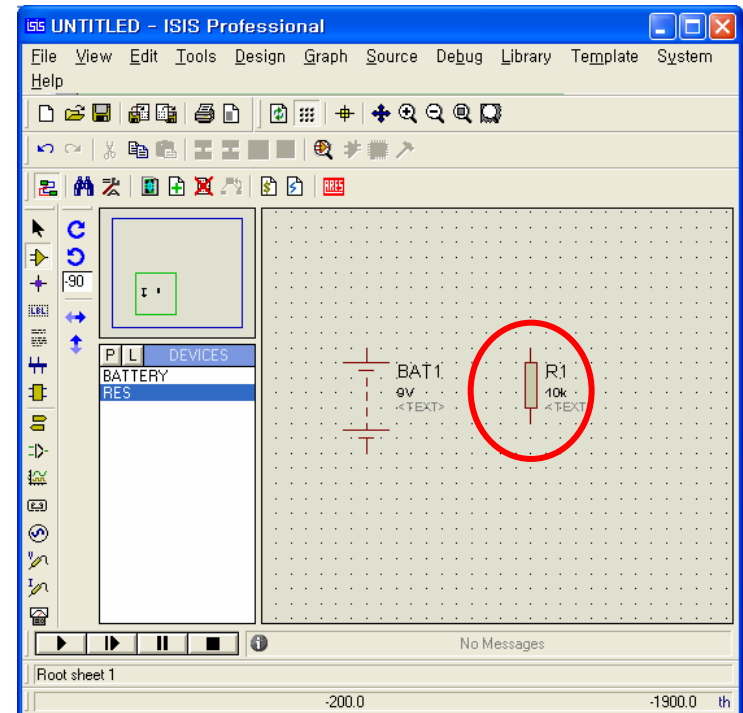
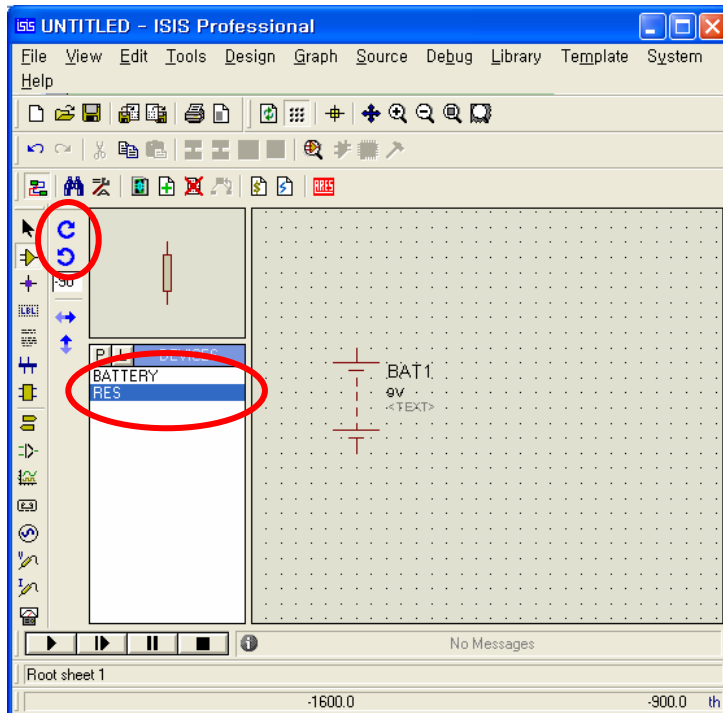
- Select battery by left click then click on workspace.



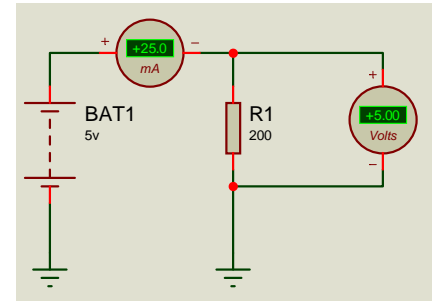
Simple example (continue)



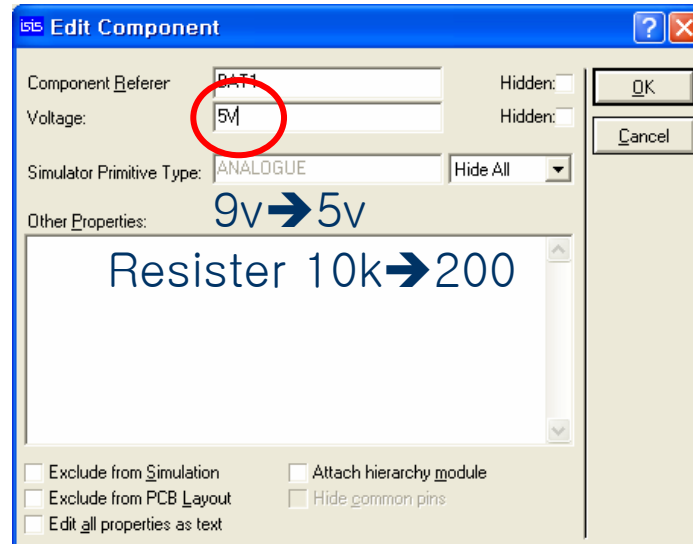
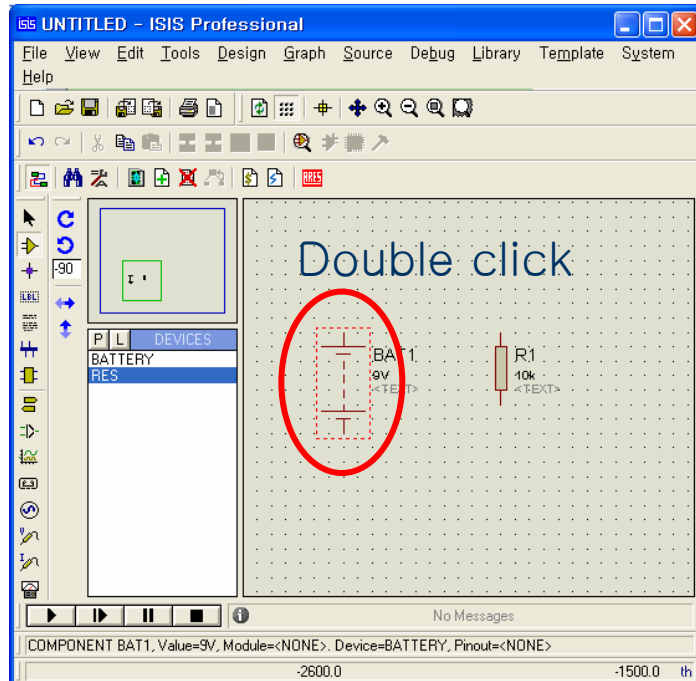
- Resister also same work.



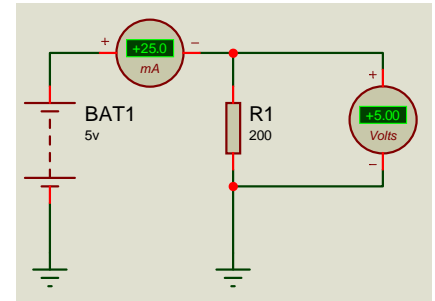
Simple example (continue)



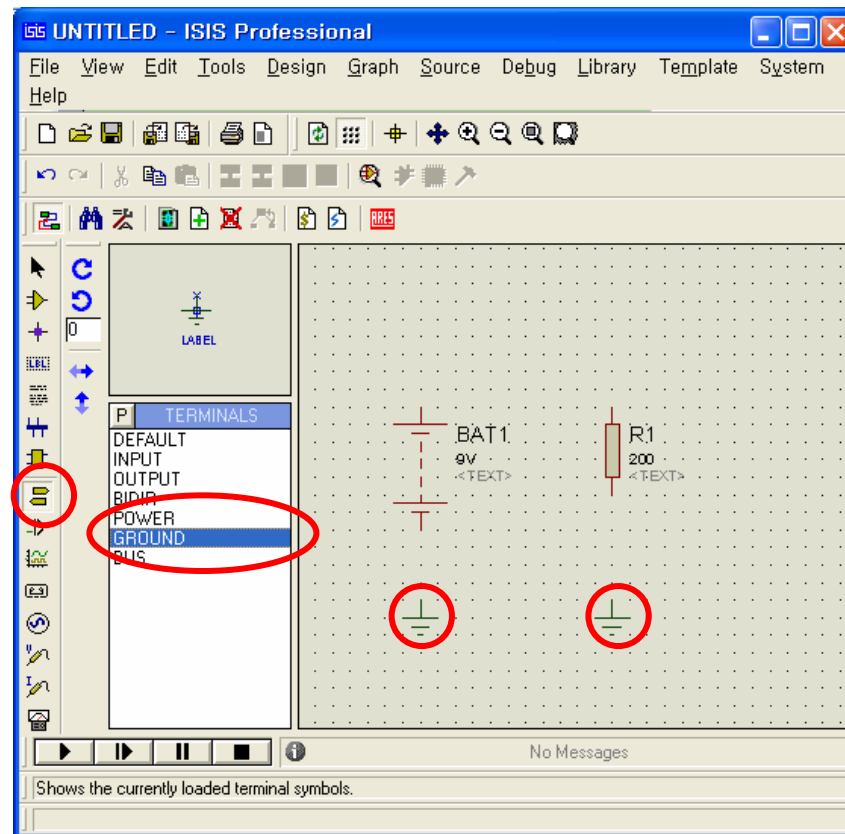
- Change devices variable



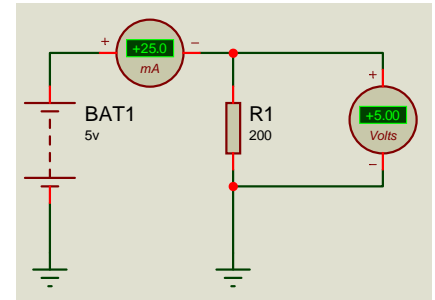
Simple example (continue)



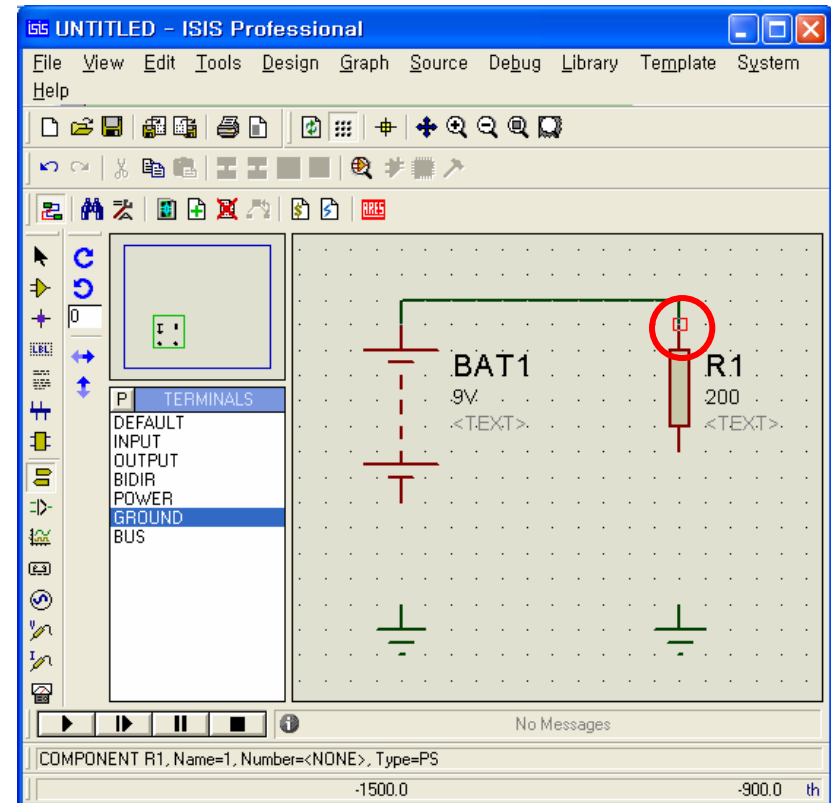
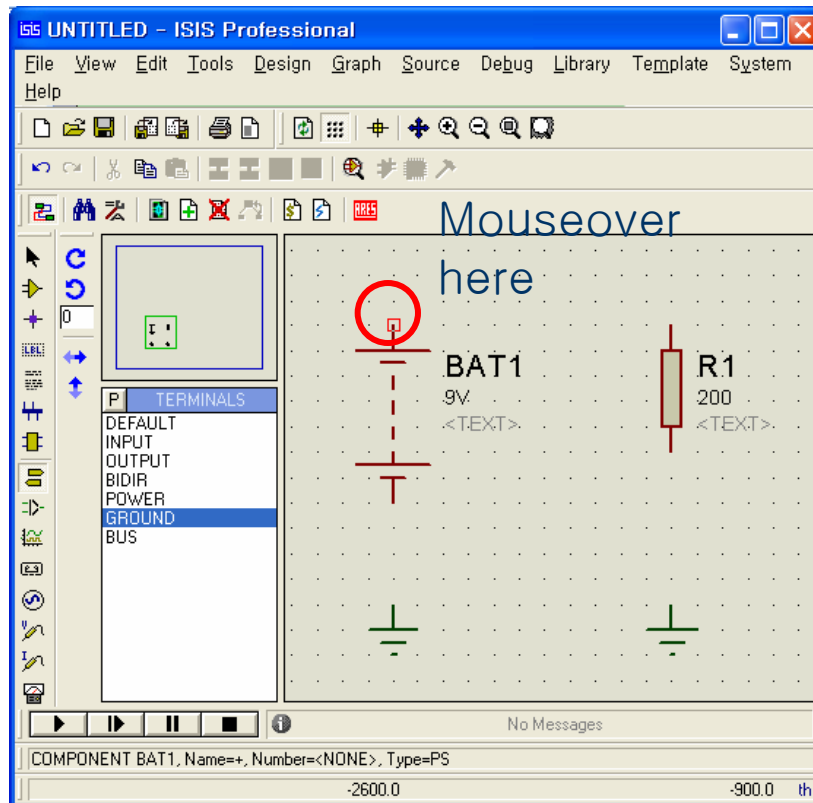
- Add ground



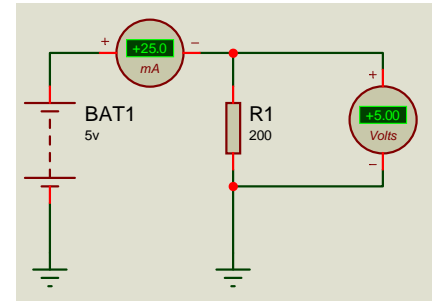
Simple example (continue)



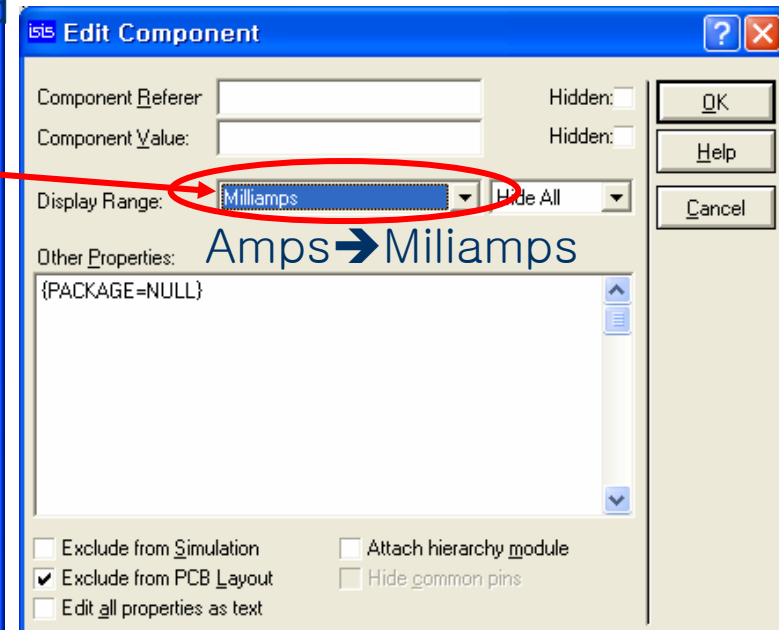
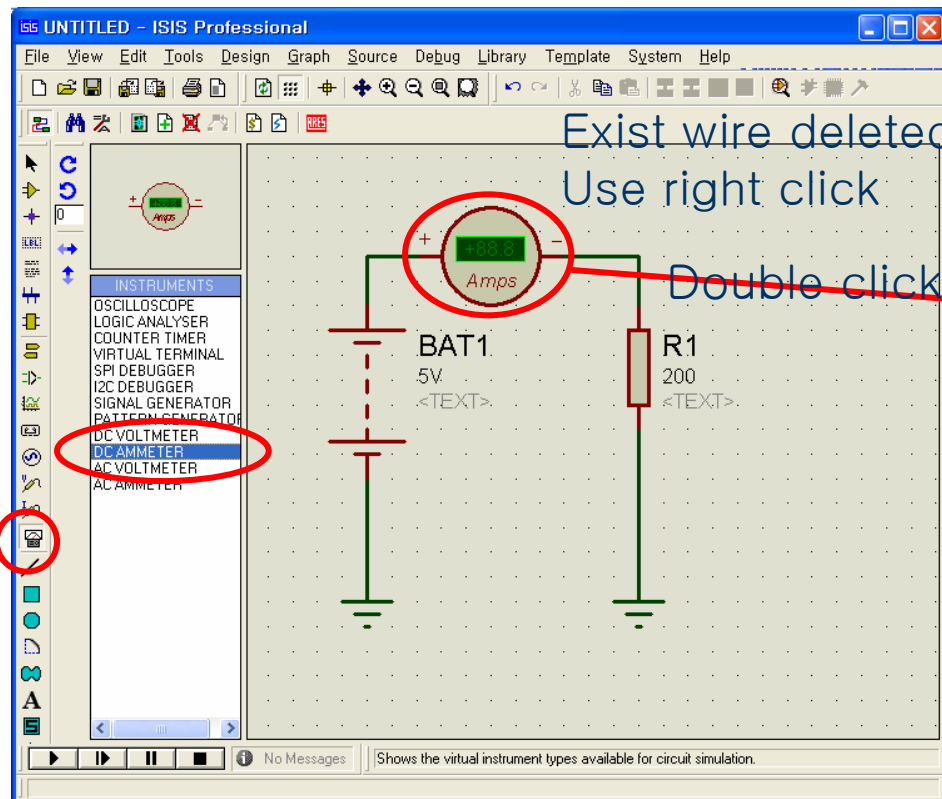
- Netlist



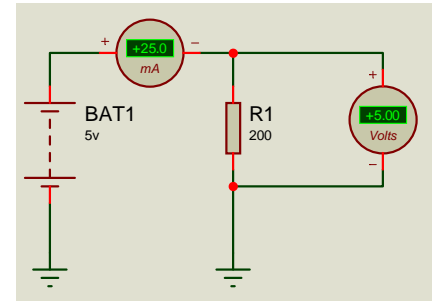
Simple example (continue)



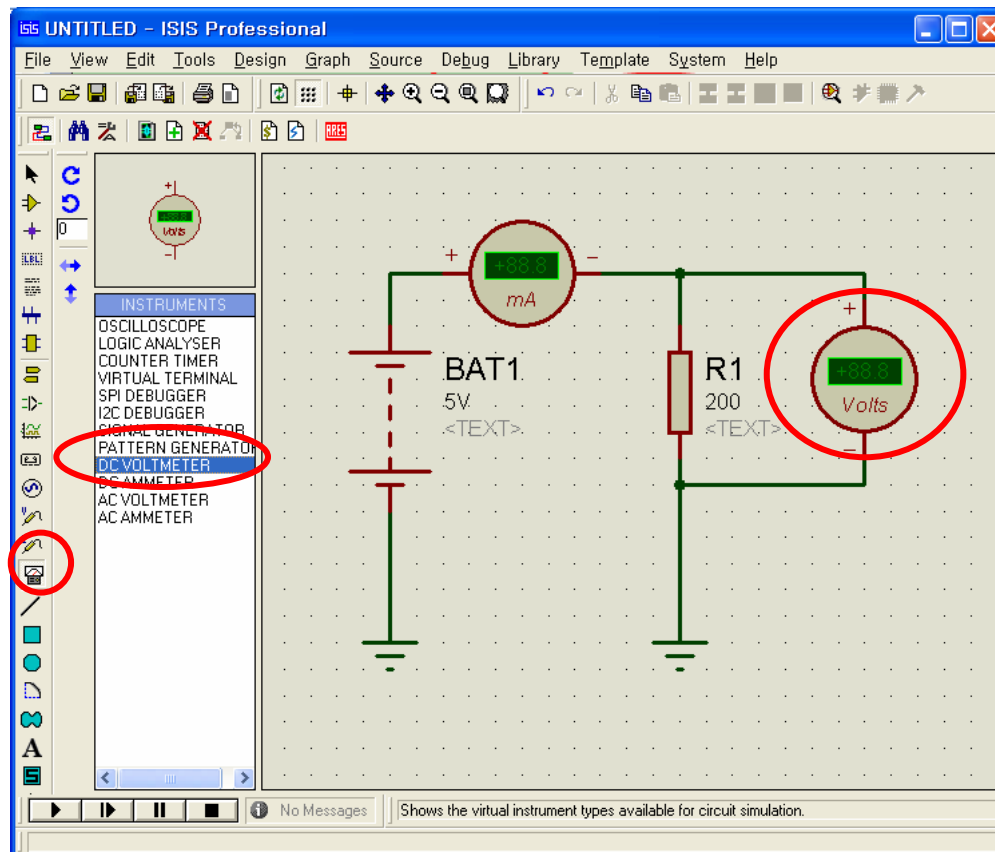
- Add DC-Ammeter



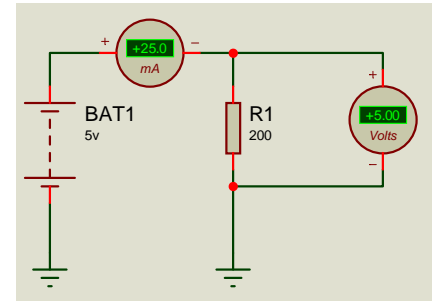
Simple example (continue)



- Add DC-Voltmeter



Simple example (continue)



- Go run!

