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1. Components

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2. How to configure hardware?

① Connect 5V Power Adapter to 8051EVB’s J3

② Connect 8051EVB’s U8 to PC’s NIC(Network Interface Card, LAN Card) with UTP cable(Cross cable)

③ Connect Relay Board’s CN2 to 8051EVB’s J1

“Hardwired Internet Connectivity Wizard”
4. Connect 220V Outlet Cable to two among CON1, CON2, CON3 of Relay Board respectively and connect device which is to be controlled to outlet (let it turn on the device).

5. Connect 220V Power Cable which is connected to CN1 of Relay Board to 220V power
3. How to install firmware?

Refer to EVB8051 User’s Manual
- 2.2.2 Web Server Test
- 3.2.4 Web Server source codes
4. How to use?

① After Firmware installation, run web browser on PC
② Input http://192.168.0.2 on browser's URL field
③ LCD TEST
   A. Write some text in text field on the browser for LCD testing and click “OK” button
      (Possible to enter only alphanumeric characters).

B. Check it out to make sure whether the text is displayed on LCD of EVB8051 correctly.
Remote Controller TEST

A. Select a check box with free choice on the web page.

B. Check whether a device which is connected to Relay Board be turned ON/OFF.
5. FAQ

① Timeout occurs on PING execution for testing Ethernet connection.
   -> Check whether the UTP cable is correctly connected to U8.
   -> Provided UTP cable is cross type for direct connection. So you cannot use it for connecting to hub. In stead of it, please use normal UTP cable.

② Cannot connect to web page of EVB8051.
   -> After Turning the power of Remote Controller Application Module on and pressing SW4 (reset) button, try to reconnect to web page.

③ Cannot control the power of devices
   -> First, check whether the power cable of Remote Controller Application Module is correctly connected to power source.
   -> Check whether the power switch of the device which is to be controlled is turned on