

DK8051RC User's Guide

(Version 3.0)



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1. Components

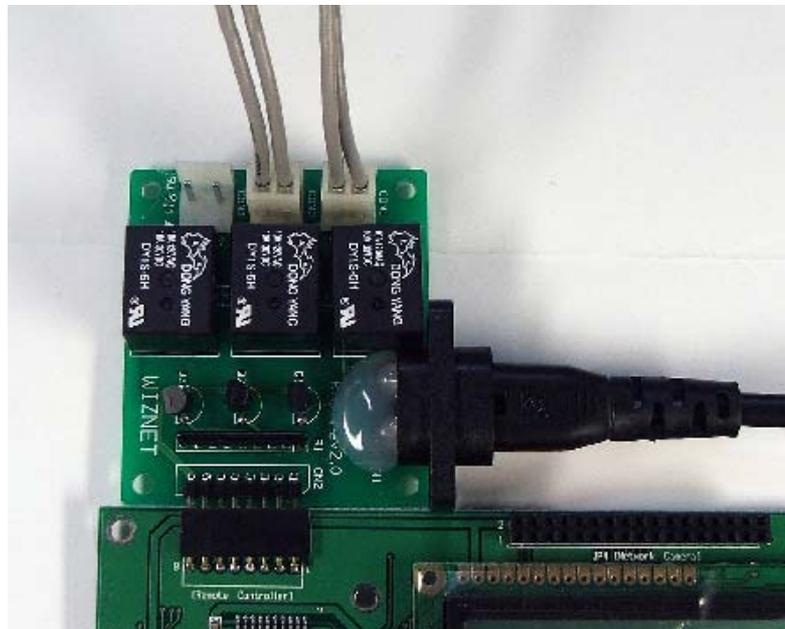
Item		Quantity	Remarks
MB-EVB8051		1	Rev 3.1
NM7010A		1	Rev 1.1
RC Module		1	Rev 2.0
220V Cable	220V Power	1	220V Power Cable
	220V Outlet	2	220V Outlet Cable
UTP Cable		1	Cross Cable
Serial Cable		1	Cross Cable
5V Adapter		1	Power Adapter
CD		1	Software CD for Remote Controller

2. How to configure hardware?

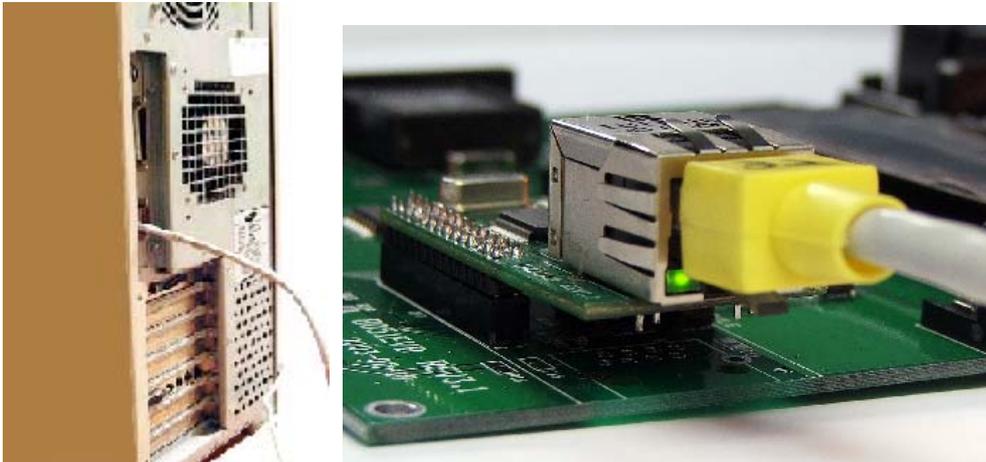
- ① Connect RC Module's CN2 to EVB8051's J1



- ② Connect **220V Outlet Cable** to two among CON1, CON2, CON3 of RC Module respectively and connect device which is to be controlled to outlet (let it turn on the device). And then, Connect **220V Power Cable** which is connected to RC Module's CN1 to 220V power



- ③ Connect EVB8051's U8 to PC's NIC(Network Interface Card, LAN Card) with UTP cable(Cross cable)



- ④ Connect 5V Power Adapter to EVB8051's J3



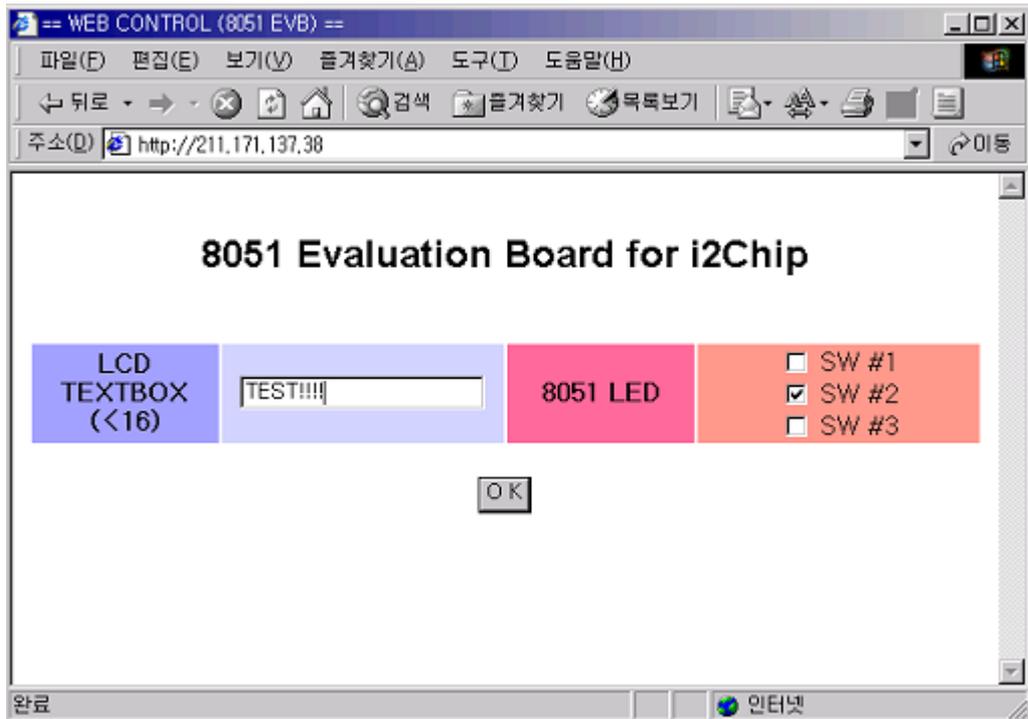
3. How to install firmware?

Refer to EVB8051 User's Manual

- 2.2.2 Web Server Test
- 3.2.4 Web Server source codes

4. How to use?

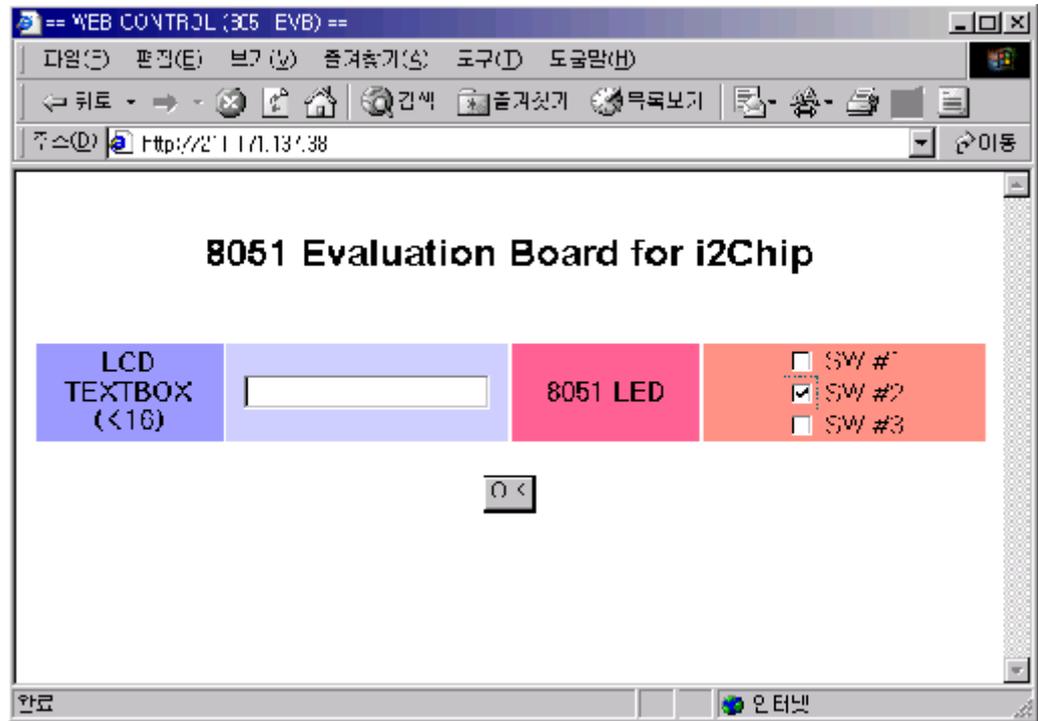
- ① After Firmware installation, run web browser on PC
- ② Input <http://192.168.0.2> on browser's URL field
- ③ LCD TEST
 - A. Write some text in text field on the browser for LCD testing and click "OK" button (Possible to enter only alphanumeric characters).



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

④ 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