

DK8051 VoIP User's Guide

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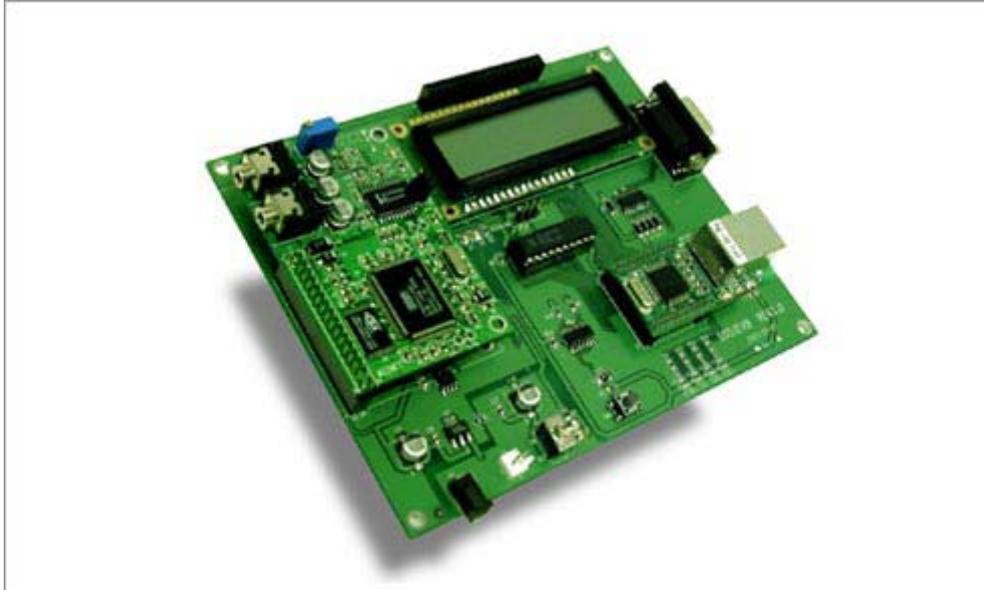
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1. Components

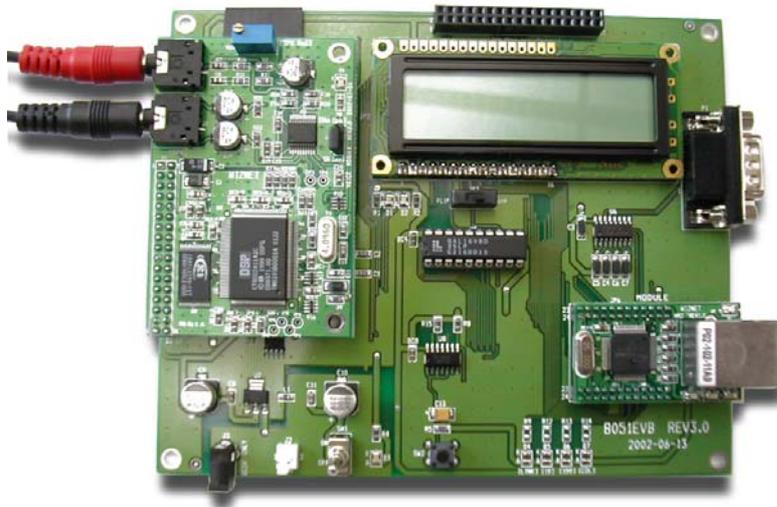
Item	Quantity	Description
MB-EVB8051	1	Rev 3.1
NM7010A	1	Rev 1.1
VoIP Module	1	Rev 2.0
UTP Cable	1	Cross Cable
Serial Cable	1	Cross Cable
5V Adapter	1	Power Supply Adapter
CD	1	DK8051VoIP CD

2. How to configure hardware?

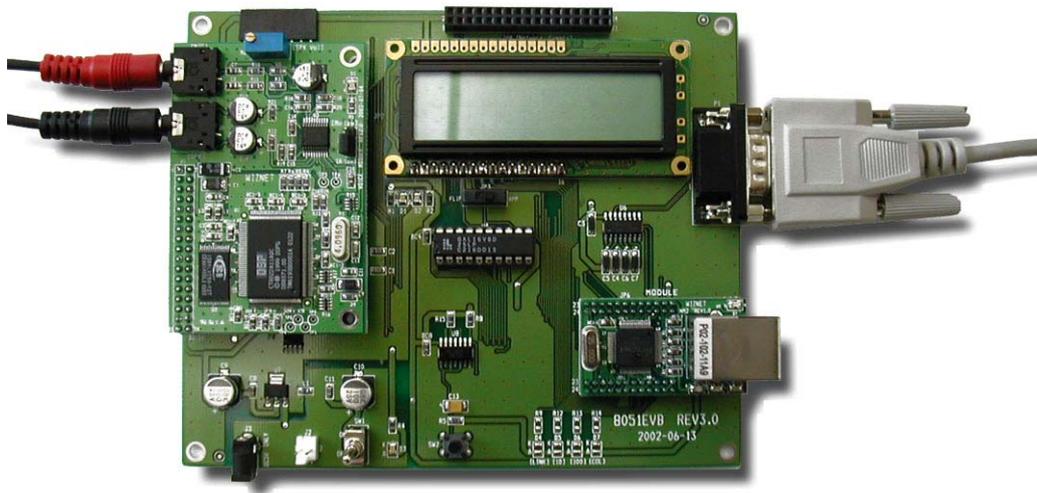
- ① Connect Voice Board's **J1** into EVB8051's **JP5(VoIP Module)**.



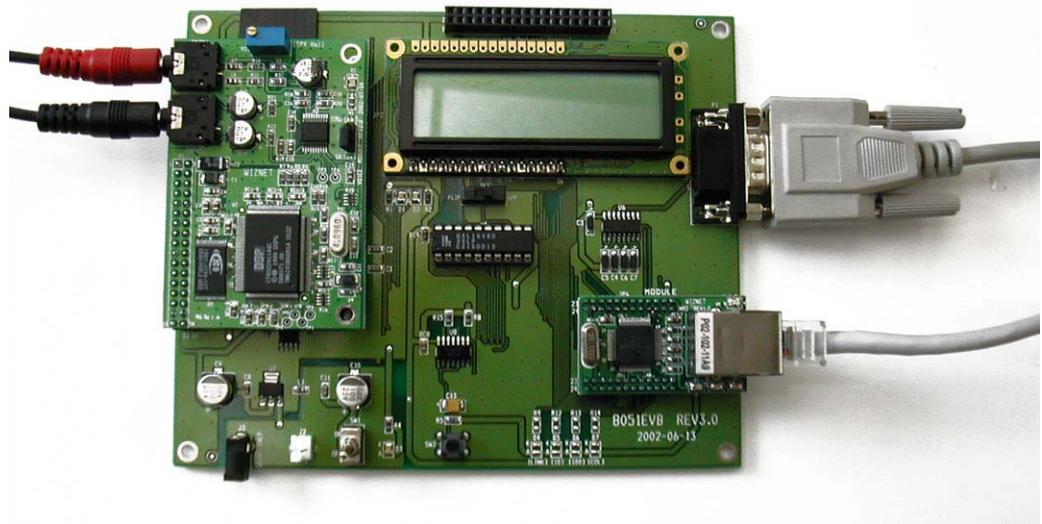
- ② Connect a loud speaker and microphone into Voice Module's **MIC** and **SPK**.



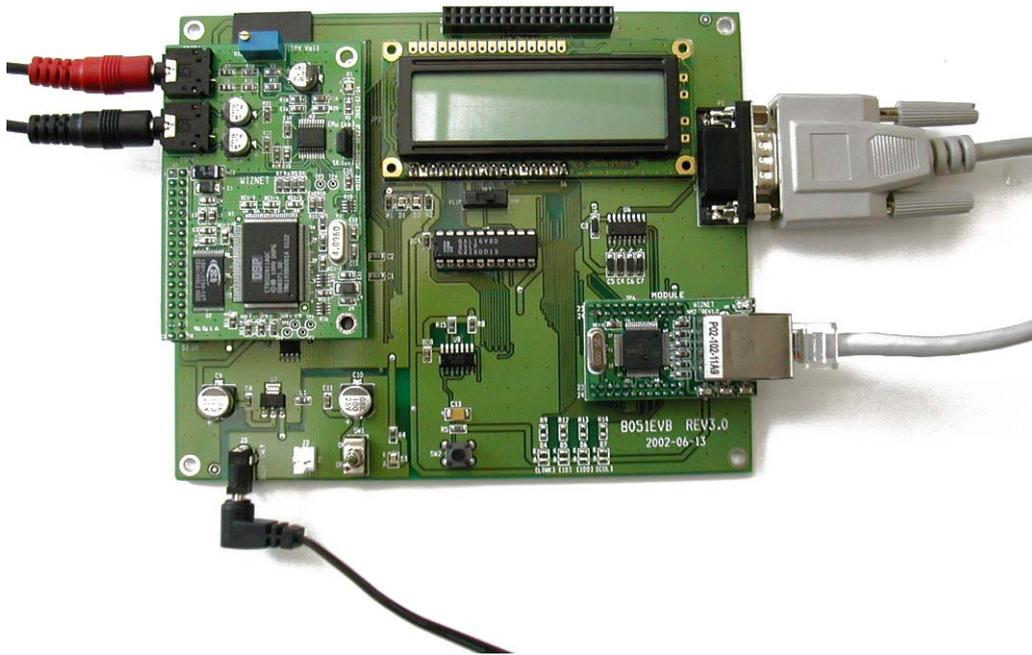
- ③ Connect EVB8051's P1 and PC with Serial Cable.



- ④ Connect EVB8051's **U9(NM7010A)** to PC's NIC(Network Interface Card, LAN card) with **UTP cable(Cross cable)**
* If you use HUB, you should use normal UTP cable instead of cross cable



- ⑤ Connect 5V Adapter to EVB8051's J3.



3. How to install Firmware

Please refer to EVB8051 User's guide 1.2.1.3 Program Installation

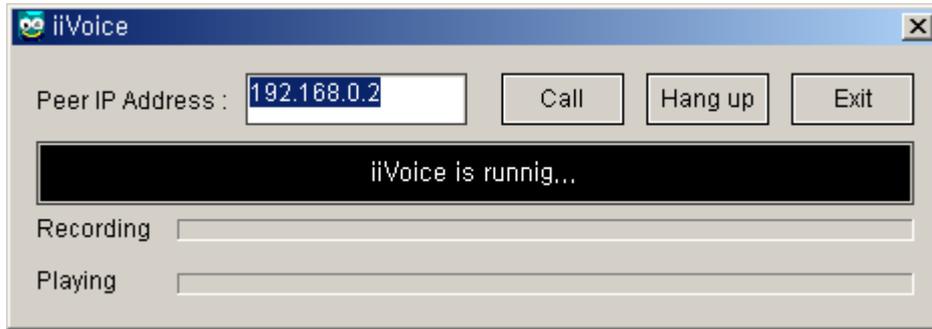
4. How to install PC Application

- ① How to install VoIP Test Application
 - A. Run “iiVoiceVX.X.exe” file in CD.
 - B. Set path to install program and click next..
 - C. Set group and click next.
 - D. Start to install.

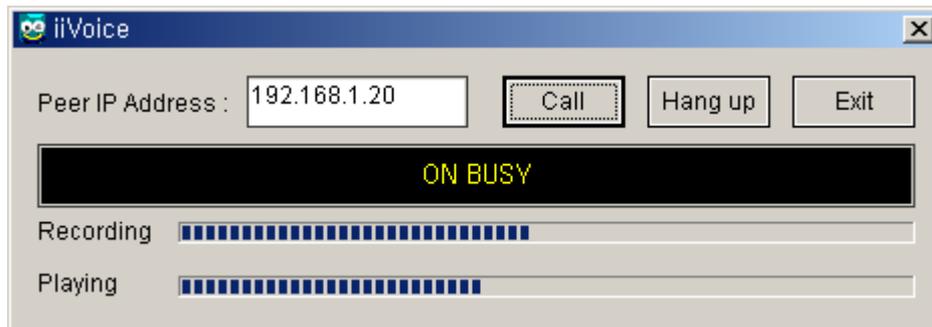
- ② How to set Null Modem program
 - A. Execute Hyper Terminal on PC. set name to connect optional and click next.
 - B. Select COM Port connected into PC in Null Modem and click next.
 - C. Set as follows.
 - Baud Rate : 57600
 - Data bit : 8
 - Parity bit : none
 - Stop bit:1
 - Flow control : none

5. How to use?

- ① After step 2. 3. 4, run iiVoice(VoIP Test PC Application) program.



- ② Input DK8051VoIP IP Address
- ③ [Call] Button Click
- ④ To use “iiVoice” program on PC and VoIP module, make a call.



- ⑤ Click [Hang up] button to finish a call.
- ⑥ Click [Exit] button to terminate iiVoice program.

6. FAQ

- ① Timeout occurs on Ping execution for testing Ethernet connection.
 - > Check whether the UTP cable is correctly connected to U9(NM7010A).
 - > Provided UTP cable is cross cable for direct connection. So you cannot use it for connecting to Hub. Instead of it, please use normal UTP cable.
 - > If above all two steps are correct, turn on the 3rd switch(duplex) of S3 in EVB8051.

- ② There is no sound in VoIP module.
 - > Check a loud speaker and microphone.

- ③ There's much noise.
 - > Control in rolling R23 upper side of Voice Board.

- ④ Cannot download program with Serial cable.
 - > Check connection of Serial Cable.
 - > Check Serial Port.