

# Limited AP Test

(WizFi 210 Application Notes)



©2011 WIZnet Co., Ltd. All Rights Reserved.

☞ For more information, visit our website at <http://www.wiznet.co.kr>

## 1. Limited AP Configuration

First, you should issue the commands to the WizFi210 as below.

```
AT+WD
[OK]
AT+WM=2
[OK]
AT+WAUTH=1
[OK]
AT+WWEK=1234567890
[OK]
AT+NDHCP=0
[OK]
AT+NSET=192.168.55.1,255.255.255.0,192.168.55.1
[OK]
AT+WA=LimitedAP,,8
      IP      SubNet      Gateway
192.168.55.1: 255.255.255.0: 192.168.55.1
[OK]
AT+DHCPST=1
[OK]
AT+NAUTO=1,1,,5000
[OK]
ATA2
[OK]
█
```

- SSID : LimitedAP
- Channel : 8
- IP Address : 192.168.55.1/255.255.255.0
- WEP Key : 1234567890
- Serial-to-WiFi Channel : TCP Server/Port 5000

Of course, you don't have to use WEP key.

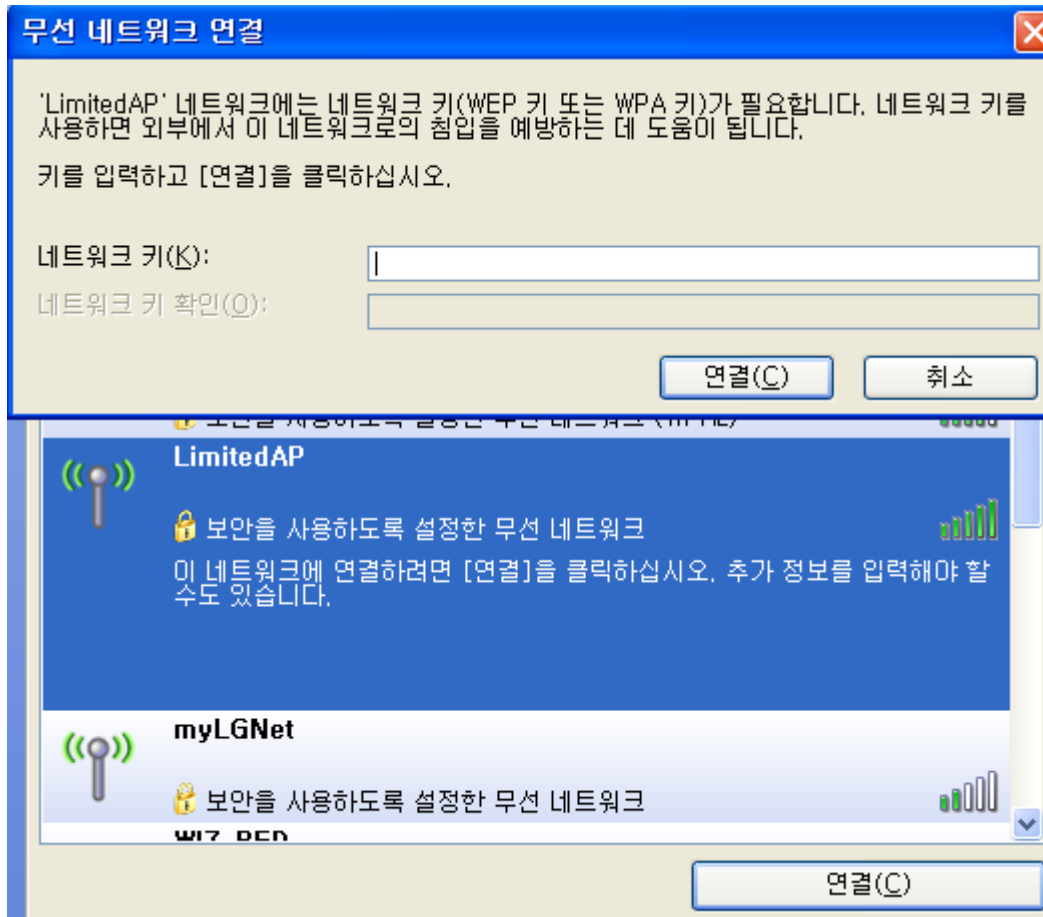
## 2. Site survey(Scan APs)

Search for the access point, and connect to the WizFi210(SSID:LimitedAP).



### 3. Enter the WEP Key

Enter the WEB key(1234567890) as below.



## 4. Verify PC network

Issue the “ipconfig” command in your pc.

And, you can verify that your pc acquire IP address from the WizFi210.

```
Connection-specific DNS Suffix . :  
IP Address. . . . . : 192.168.55.2  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.55.1  
C:\>
```

## 5. Connect to the Serial-to-WiFi Channel

Now, your PC can connect to the Wizfi210 with TCP Client program.

And, you can test the serial-to-wifi data transfer.

```
Trying 192.168.55.1 (PORT:5000)...  
Connected to 192.168.55.1...  
This data is from serial.
```