IWAP2000 Quick Start Guide

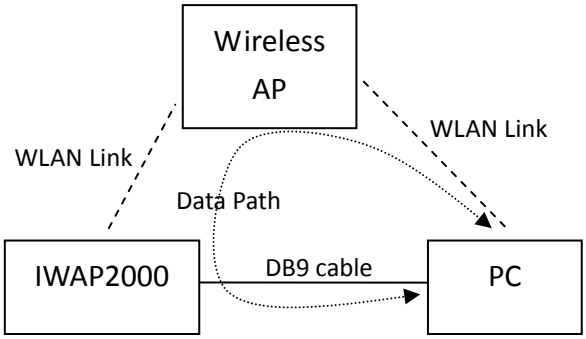
This guide shows you the easiest way to configure IWAP2000 to connect to the wireless network and test the set-up. This guide may not cover the case of your deployment. If you need further information or help on using IWAP2000, please refer to the user's guide or contact Atech technical support.

Test setup

Equipment List for test set up:

Item	Qty	comment
PC or Laptop	1	With WLAN and RS232 interface
IWAP 2000	1	Set to RS232 mode
Wireless AP	1	SSID = Atech; DHCP on; Channel = 1
DB9 cable	1	Comes with the IWAP2000

The test setup is as the following picture:



PC configuration

1. Turn on the PC that will be connected to the IWAP2000
2. Connect the IWAP2000 to a PC through the RS232 cable coming with IWAP2000.
3. Turn on your preferred terminal application like Hyper Terminal or TeraTerm. Set the terminal to use serial communication. The assigned serial port should be the serial port connected to the IWAP2000. The configuration of the serial port is as following:

Item	Setting
Baudrate	9600
Data Bits	8
Stop Bits	1
Parity	None
Flow Control	None

AP/Gateway Configuration

The default configuration of IWAP2000 is DHCP client. Therefore, the easiest way to configure IWAP2000 is to have a DHCP server to provide IP address. IWAP2000 also works with static IP address. This quick guide does not cover static IP configuration. Please refer to the user manual for static IP configuration.

4. Connect the PC to the AP through Ethernet or wireless. Set the AP so that it is in the same subnet of the PC.
5. Make sure your AP/Gateway has DHCP server turned on.
6. Make sure that the AP is set to 802.11b or 802.11b/g mixed mode.
7. Make sure that the AP channel is set to channel 1.
8. Set the SSID of your AP/Gateway to Atech.
9. Set the security to open mode.

IWAP 2000 configuration

10. Set IWAP2000 to RS232 mode by setting the DIP switch on the back.
11. Turn on IWAP2000.
12. The WLAN status light should be off. It stays red if the IWAP2000 cannot connect to the AP.
13. The IP Status/Charging light should blink slowly (0.5-1Hz). If it blink fast, it means that it cannot get the IP address from the DHCP server
14. Type “$$$” in the terminal application to put IWAP2000 into configuration mode.
15. Type “get i” in the terminal application and press enter. You should something like this:

    DHCP=ON
    IP=192.168.2.127:2000
    NM=255.255.255.0
    GW=192.168.2.248
    PROTO=TCP-Server
    HOST=0.0.0.0:2000
    FTP=208.109.78.34:21

HOST2=0.0.0.0

16. You should have a valid IP address for “IP”. The setting of “PROTO” should be “TCP-Server”.
17. Open a command window from the PC. Type “ping 192.168.**.**” in the command window. “192.168.**.**” is the IP address you found from “get i”. If you gets the response from IWAP2000. The configuration is complete.

Data Transmission Test

18. Open a HyperTerminal window in the PC. Select “Properties” from the “File” menu.
19. Select “TCP/IP (Winsock)” from the connection drop-list. A “Connect to” window will show up. Fill the IWAP2000 IP address into the host IP address. The port number is 2000 as you can see in the “get i” results following the “IP=” by “:”.
20. Click “OK”.
21. Click “Connect” icon on the tool bar.
22. Type “Hello World” in the HyperTerminal window of the TCP/IP (Winsock) connection. You should see the data shows in the other terminal program connecting to IWAP2000 through the serial port.
23. You should try the same test from the IWAP2000 terminal program to the Winsock terminal program.

Technical Support

If you encounter any technical issues while using IWAP2000, do not hesitate to contact us at Atech. Our technical staff will help you resolve the technical issues. You can contact us by email or phone. The following is our technical contact:

Hours: 9:30AM to 5:30PM (GMT+08:00)
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