

1. Before You Begin

The best way to set the configuration is using a PC with LAN card installed. The factory default IP address for WIP-5001A is **192.168.1.100**, and Subnet Mask is **255.255.255.0**. Change the PC IP address to static (192.168.1.xxx) such as the WIP-5001A.

1.1 Setting the PC as Static IP Address

Before connecting to setup-screen, change the PC IP to static.

- 1 Double-Click the [Start] -> [Setup] -> [Control Panel] -> [Network Connection].
- 2 [Local Area Connection] -> [Properties] -> [This connection uses the following items:]. Double-click the [TCP/IP] and enter the followings below.
 - IP Address: 192.168.1.2
 - Subnet Mask: 255.255.255.0
 - Gateway Address: None
- 3 After entering all of the above, press [OK] button and finish the setting. (For Windows ME/98, PC needs to be restarted.)

2. Check Your Package Contents

After purchasing the WIP-5001A, please check if the following items are included.

- WIP-5001A Wireless LAN Adaptor
- Ethernet (CAT 5 UTP/Straight Through) Cable
- 5V DC, 2A Power Adapter



If any of the above items are missing, please contact your reseller.



WIP-5001A POWER connecting jack must be connected with WIP-5001A adapter that came with. Using different type of adapter may cause serious damage to WIP-5001A.

3. Connecting The WIP-5001A Wireless LAN Adaptor To Your Network

- 1 Connect the PC and WIP-5001A with LAN cable. Connect LAN cable that is enclosed in WIP-5001A box to PC LAN Port and connect the other side of LAN cable to WIP-5001A's LAN Port. There is a LAN Port that it said 10 Base-T at the backside of WIP-5001A.
- 2 Connects WIP-5001A with Power. There is a Power Port that said DC 5V at the backside of WIP-5001A's adapter. When WIP-5001A gets power, PWR and Link LED that are placed frontside of WIP-5001A get turned on.



User must use WIP-5001A with the enclosed LAN cable in the box. If Link LED doesn't get turned on, check the PC LAN card and see if Link/Activity LED is turned on.

- 3 When you have completed the steps in this *Quick Installation Guide*, your connected network should look similar to this.

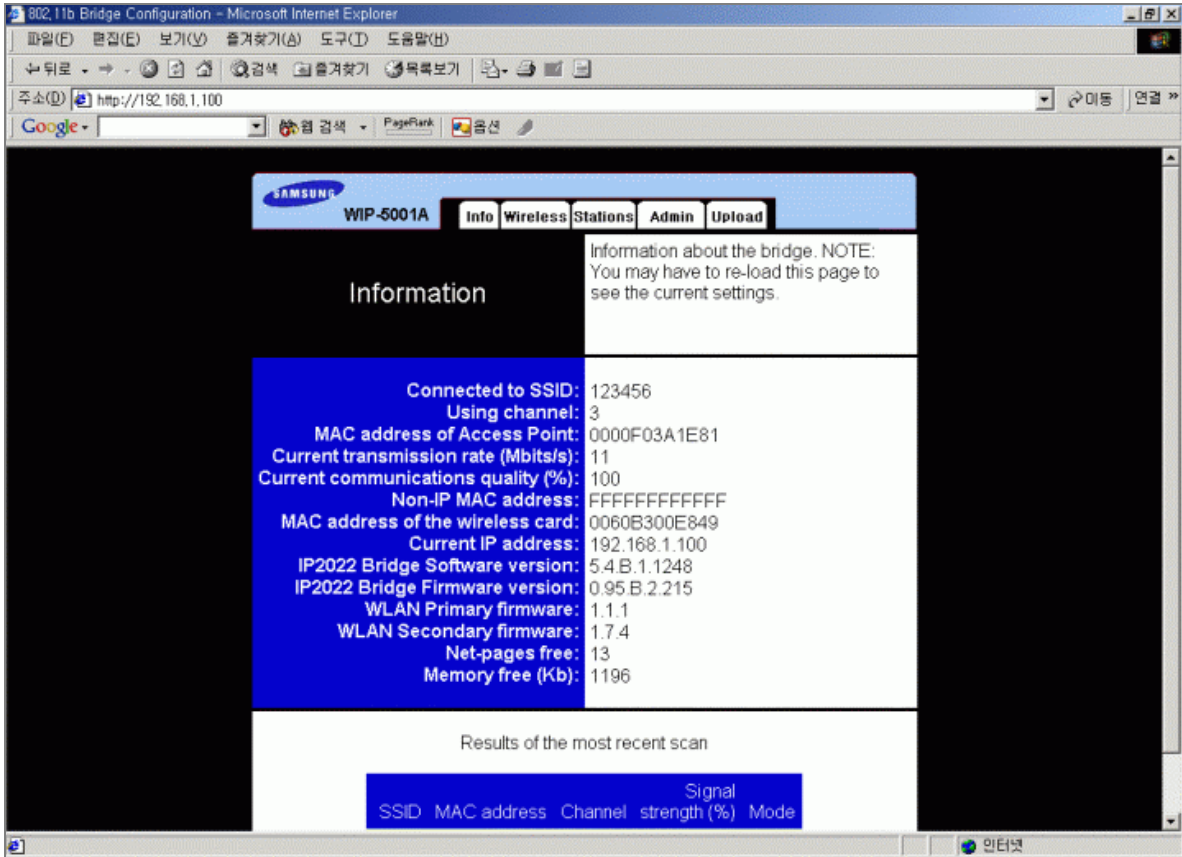
4. LED Status Indication

LED light on the WIP-5001A turns on/off depends on state. The followings explain the status of LED indication.

1. [PWR] indicates Power comes on. Red light sustains while power comes on.
2. [Link] indicates LAN Port's Link (Connection)/Activity. Yellow light is up when the phone gets linked and LED blinks when transmitting the data.
3. [R/Tx] indicates Wireless LAN's Link/Activity. Red light is up when it gets linked and LED blinks when transmitting the data.

5. Information about the bridge

When [Information] Menu has selected, user can look up the setup information of Access Point WIP-5001A version.



Here are the Information contents.

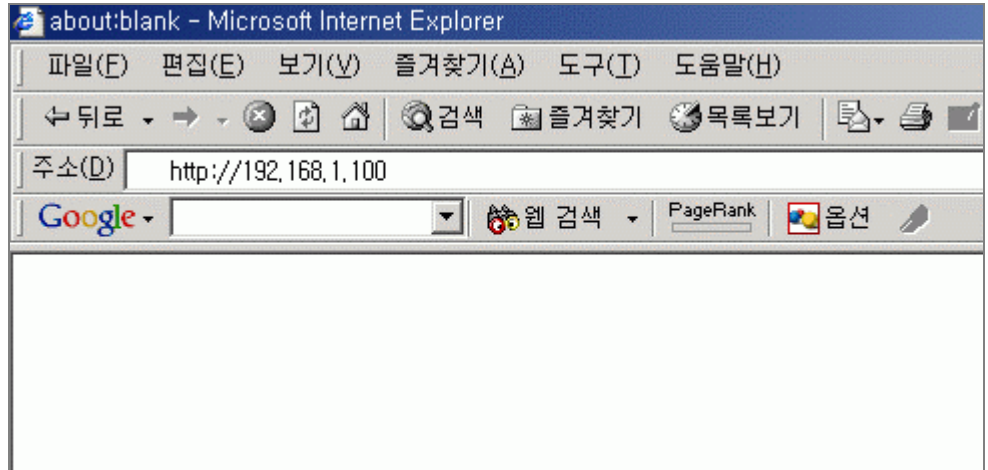
Contents	Description
Connected to SSID	SSID that WIP-5001A is connected to
Using channel	Channel that are currently using
MAC address of Access Point	Connected Access Point's MAC address
Current transmission rate (Mbit/s)	Connection speed (1, 2, 5.5, 11Mbit/s)
Current communication quality (%)	Signal Strength is shown in %.
Non-IP MAC address	Generally use "FFFFFFFFFFFFFF"
MAC address of the wireless card	WIP-5001A's MAC address
IP2022 Bridge Firmware	Basic stack version

version	
IP2022 Bridge Software version	Change of version after upgrading
WLAN Primary firmware	Wireless LAN module Primary firmware version
WLAN Secondary firmware	Wireless LAN module Secondary firmware version
Net-page free	Number of net-page left over
Memory free (Kb)	Memory left over (Kilo-bit)

6. Wireless Configuration

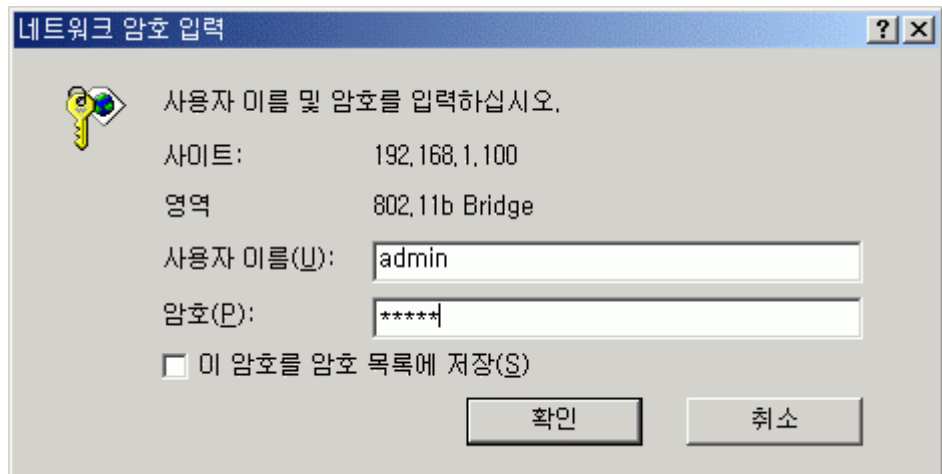
From this chapter, the SSID means 6 numbers that is registered in SYSTEM ID of iDCS 500 MMC [845].

Run the web browser.
Enter
“<http://192.168.1.100>”
at URL address box and press [Enter] button.



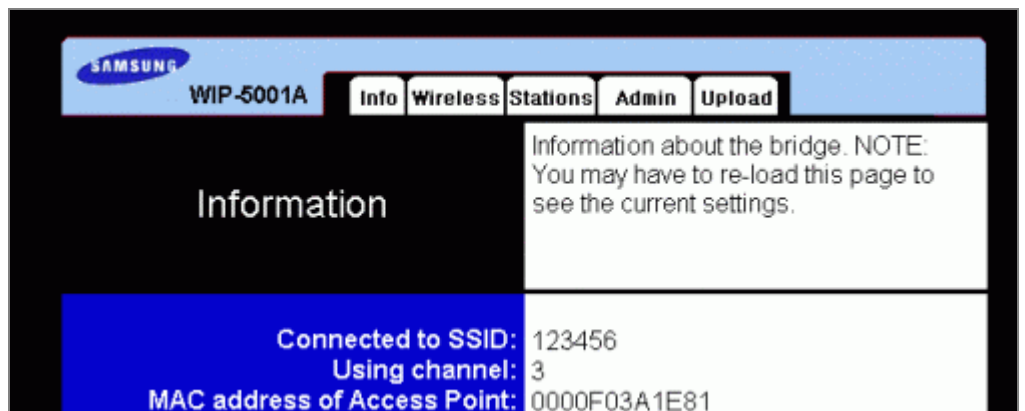
Then Logon screen shows up like the screen on the right.

Enter “User Name: admin, Password: admin” and press [OK] button.



Then Information screen shows up like the screen on the right.

Click the [Wireless] menu and wait for a few second.



Then Wireless Configuration screen shows up like the screen on the right.

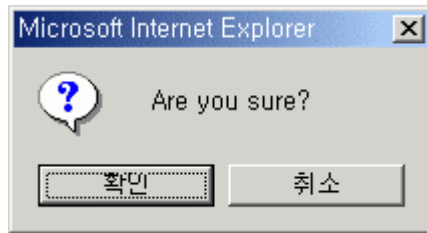
Check if Operating Mode is set to Infrastructure, and enter The SSID: Samsung WBS24's ESS-ID. (Basically SSID is registered with "123456".)



참고

From the Logon screen, check mark on [Save this password in your password list] then password won't be asked next time. When the Information screen doesn't show up in 5 seconds, press F5 key to refresh the page.


After done entering ESS-ID, click [Save] button. Then Dialog Box will pop up just like the screen on the right. Click [OK] button.



In a moment Information screen will be on.

Connected to SSID:	123456
Using channel:	3
MAC address of Access Point:	0000F03A1E81
Current transmission rate (Mbps):	11
Current communications quality (%):	100

See if ESS-ID you entered is shown correctly. If it is correct, basic setup is finished.



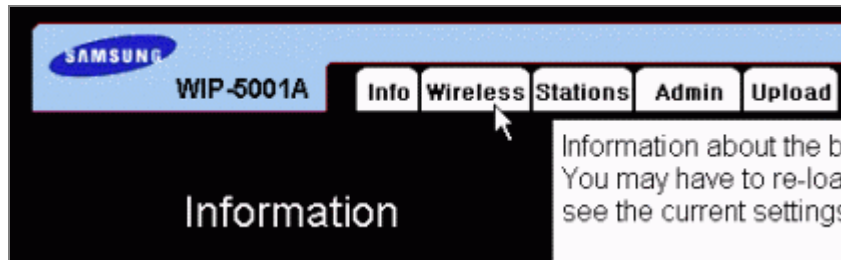
주의

The SSID: When menu has left empty, WIP-5001A will connects to Access Point that has the greatest Signal Strength and it might not work.

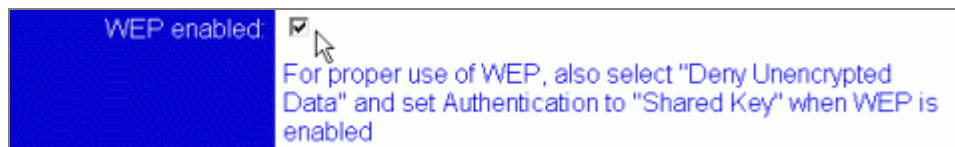
7. Security Configuration

WIP-5001A can supports WEP: Wireless LAN security protocol when the Access Point's WEP KEY is set.

Click the [Wireless] menu.



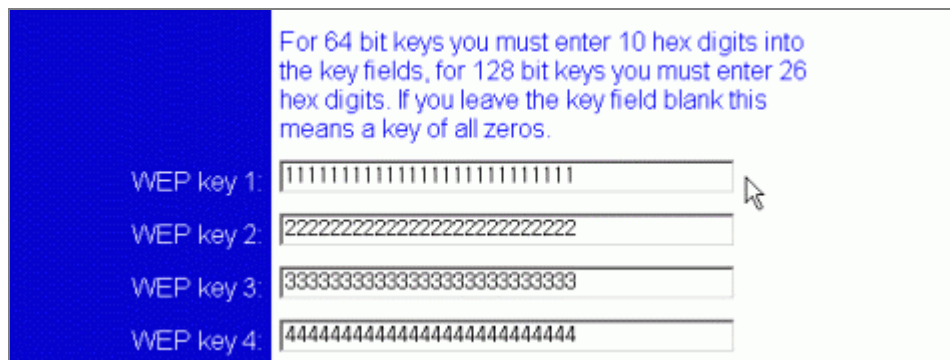
WEP enabled: Click the check box



WEP Key Length: select WEP key bits between 64bits and 128bits.



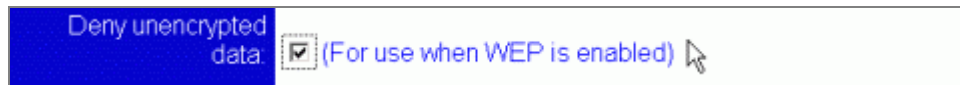
Enter the hexadecimal at WEP Key1. (Usually AP supports 4 WEP keys available.)



WEP key to use: select which WEP Key is going to be used.



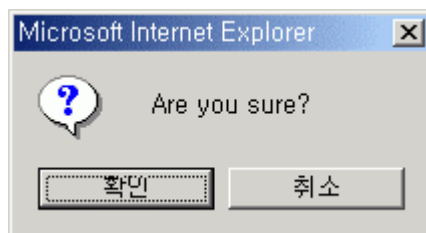
Deny unencrypted data: Click the check box.



Shared Key Authentication : Click the check box.



Lastly, click the [Save] button. Then dialog box will pop up just like the screen on the right. Click [OK] button.



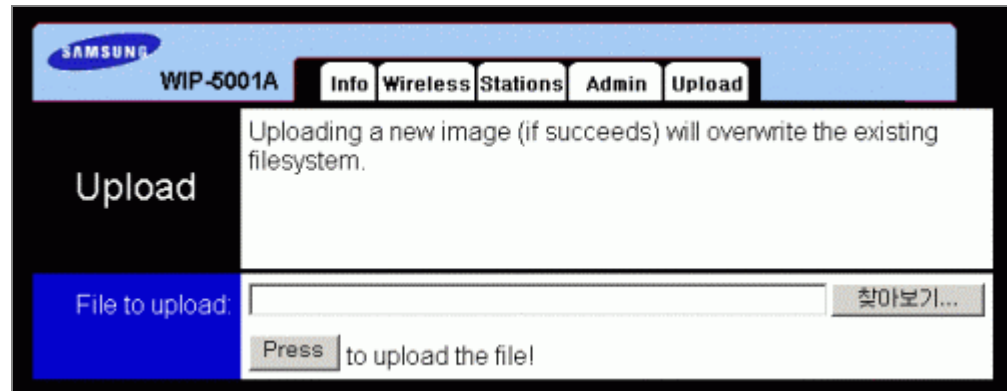
WEP is abbreviation for Wired Equivalent Privacy, which is the algorithm to support the Privacy corresponding to LAN. By setting the WEP Key, it denies the access from unapproved network. WIP-5001A supports 64/128bits of WEP Key.

8. Software Upgrade

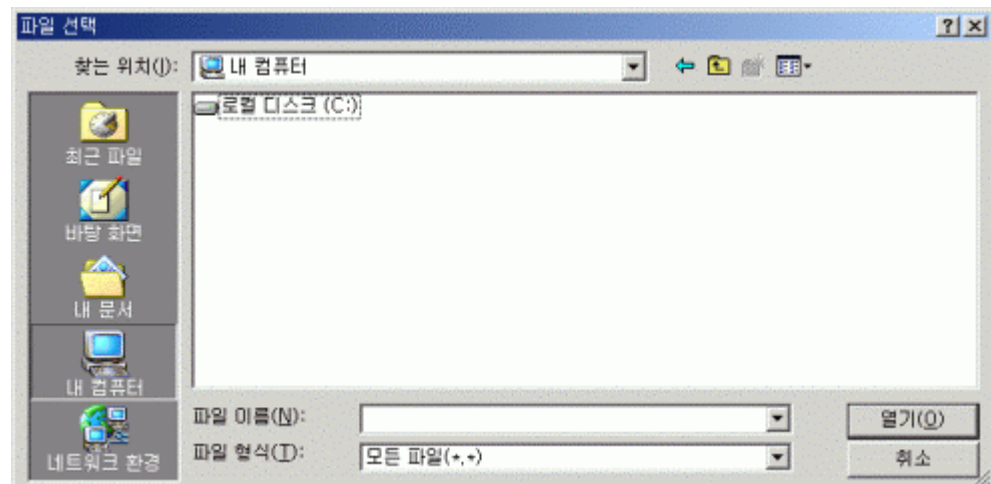
Software Upgrade is used for the functional improvement of WIP-5001A's software hereafter.

PC must have
upgrade file (bin
type).

Click the
[Upgrade] menu.



Either enters the
whole directory
route with the
file name or
click the
[Browse...]
button to search
the file then click
[Open] button.



Click Press button. (Press to upload the file!)

As shown in the screen on the right, Check if it gives an upgrade complete message.

Pressing F5 key moves to first [Information] screen.

UPLOAD SUCCESSFUL

The bridge will now be reprogrammed using the firmware file you just uploaded. **Please wait about 10-15 seconds for this process to take place**, after which you may access these web pages again.

Note that some firmware upgrades will cause this bridge to reset to its factory default settings, so if you can not access this bridge using its existing IP address then try the factory default IP address.



참고

After done upgrading, do the followings. Click [Start] -> [Setup] -> [Control Panel] and run the [Internet Option]. At "General" tab, click Temporary Internet File -> Delete Files. Otherwise screen will look different.



주의

While upgrading WIP-5001A, do not turn off the power.

9. Restore to Factory Defaults

This is a function that restores the WIP-5001A to Factory Default. This is very useful function when the password has forgotten or user has changed.

Operates at Web Browser Login screen or WIP-5001A's web page.

9.1 Web Browser Login screen

From the Login screen, enter the "User Name: admin, Password: restore" and press [OK] button then it resets to Factory default. After reset to default, enter "User Name: admin, Password: admin" at Web setup screen.

9.2 Using the web page

As shown in the screen below, go to [Admin] menu then click Restore to factory defaults button.

The screenshot shows a web interface titled "Administration". At the top, a text box explains: "On this page you can change the password, reboot the access point, or reset all settings to their factory defaults. If you have changed any settings it is necessary to reboot the access point for the new settings to take effect..". Below this, there are three main sections:

- User name:** A text input field containing "admin".
- Administrator password:** Two password input fields, both containing "*****". A blue note "(Re-enter for confirmation)" is positioned to the right of the second field.
- Buttons:** "Save" and "Cancel" buttons are located to the right of the password fields.
- Reboot bridge:** A "Reboot" button.
- Reset to factory defaults:** A "Reset" button with a mouse cursor hovering over it.



참고

User password can be changed in [Admin] menu. Please make a note of password that has changed.

10. Regulatory Information

10.1 FCC Statement

The device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to improve reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is
connected.
- Consult the dealer or an experienced radio/TV technician for help

10.2 FCC Caution

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment
- The antenna used for this transmitter must be installed to improve a separation distance of at least 20cm from all persons and must be co-located or operation in conjunction with any other antenna or transmitter



XI-830M IEEE 802.11b WLAN Compact Flash Module (Preliminary)

Intersil Prism III Compact Flash Module Type I		
RADIO		
Frequency	USA (FCC) 11 Channels: 2.412GHz~2.462GHz Europe (ETSI) 13 Channels : 2.412GHz~2.472GHz Japan (ARIB) 14 Channels : 2.412GHz~2.483GHz	
Modulation	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)	
Connect	2 HIROSE UFL Antenna Connector	
RF Output Power	15dBm (Typical)	
Data Rate	11b mode; 11, 5.5, 2, 1 Mbps	
Power Consumption (Typical)	Tx: 330mA Rx: 250mA	
PHYSICAL SPECIFICATIONS		
Dimensions	62.0mm(L)*42.8mm(W)*11.7mm(H)	
Weight	<50g	
ENVIRONMENTAL SPECIFICATIONS		
	Temperature (Ambient)	Humidity (non-condensing)
Operating	0~55	90 %
Storage	-20~80	5~90 %
OPERATING SYSTEMS		
Win98SE/ME/2000/XP, WinCE3.0/Pocket PC2002		
SECURITY		
WEP	RC4 WEP 64(40 bit key) / 128 (104 bit key)/, 152(128 bit key)	
802.1x Support	Yes	
WPA	TBD	
WARRANTY		
12 months		