

11Mbps Wireless LAN Smart Access Point

Quick Start Guide

Version 3.0

The next-generation wireless LAN device – 11Mbps Wireless LAN Smart Access Point, brings Ethernet-like performance to the wireless realm. Fully compliant with IEEE802.11b standard, the 11Mbps Wireless LAN Smart Access Point also provides powerful features such as the Windows-based configuration utility, WEP security, SNMP and more. Maximize network efficiency while minimizing your network investment and maintenance costs.

Package Content

11Mbps Wireless LAN Smart Access Point x 1	AC Power Adapter x 1
Software and Documentation CD x 1	Quick Installation Guide x 1



Note: If any of the above items are missing or damaged, contact your local dealer for support.

Installing the Wireless LAN Smart Access Point

- Connect the Wireless LAN Smart Access Point to a hub or a PC with its UTP Ethernet cable. Please note that, use the cross-over cable when you directly connect the Wireless LAN Smart Access Point to a PC.
- Connect the power adapter to the power socket on the Wireless LAN Smart Access Point, and plug the other end of the power pack into an electrical outlet.



Warning 1: ONLY use the power adapter supplied with the Wireless LAN Smart Access Point. Otherwise, the product may be damaged.

Note 2: The button labeled “Default” enables you to restore the Wireless LAN Smart Access Point’s default setting. This is used when you forget the password. Please detach the DC power plug and press the “DEFAULT” button on the side panel of the Wireless LAN Smart Access Point. Reconnect the power and keep holding the button for 3 seconds then release it and press and keep holding it again for 10 seconds until the WLAN and LAN LED indicators become blinking rapidly. This will restore the Wireless LAN Smart Access

Point's default settings and enable you to configure the Access Point via utility or Web again.

Configuring the Wireless LAN Smart Access Point

The 11Mbps Wireless LAN Smart Access Point allows configuration either via the configuration utility, known as Access Point Utility, and Web Management .

Wireless Access Point Utility

The following gives instructions guiding you through the installations of the Wireless Access Point Utility.

1. Insert the Product CD into the CD-ROM drive on your computer.
2. It will has the AutoRun function and show menu "Wireless 802.11b Smart Series" on the Windows desktop, choose the "Access Point" and select the "Utility Setup".
3. Follow the on-screen instructions to install the Wireless Access Point Utility.
4. Upon completion, execute the Wireless Access Point Utility, and it will browse all the 11Mbps Wireless LAN Smart Access Point available on the network.
5. Select the Access Point you want to configure. Enter the default password and click the **LOGIN** button. You will be able to view/make configuration of the Wireless LAN Smart Access Point as you desire.



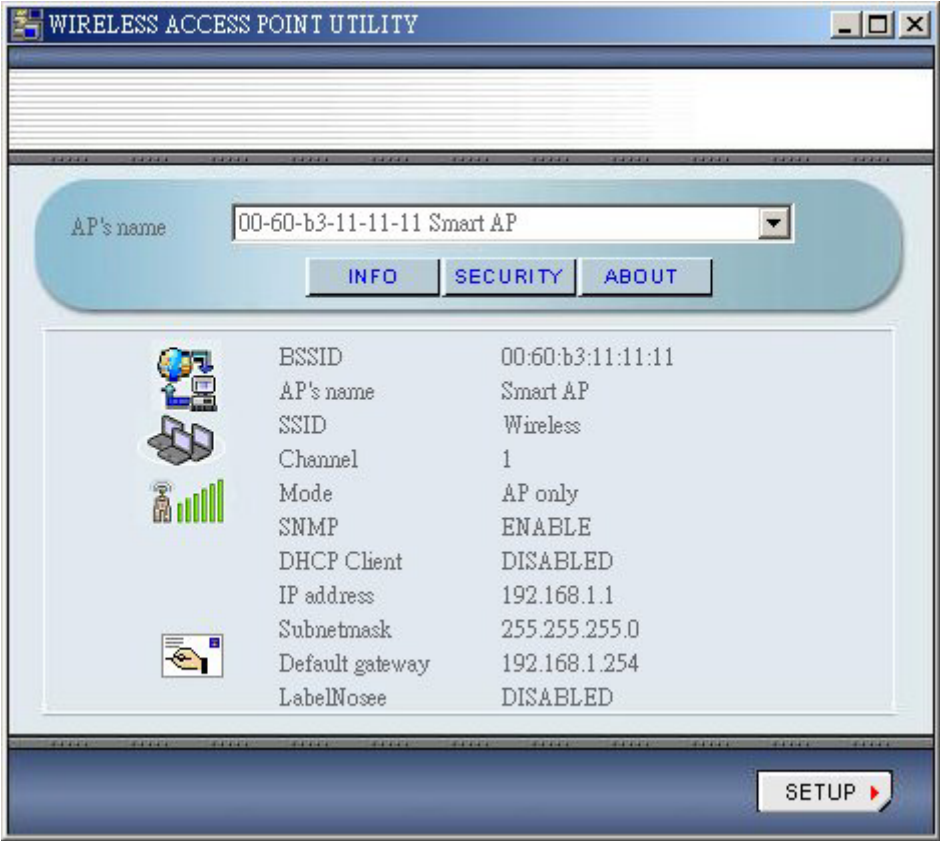
Note: The default password to get access to the Wireless LAN Smart Access Point is "default".



The Wireless Access Point Utility provides 3 items for you to monitor and configure the Wireless LAN Access Point: **INFO**, **SECURITY** and **ABOUT**.

INFO:

This item shows the current information on the 11Mbps Wireless LAN Smart Access Point such as BSSID, AP's Name, SSID, Channel, Mode, SNMP, DHCP Client, IP Address, subnetmask, default gateway, and LabelNosee.



You may click the **SETUP** button to configure those parameters.



■ **Assigning the SSID**

The SSID is a unique ID given to the Wireless LAN Smart Access Point. Assign an SSID to your Wireless Smart Access Point. The SSID can have up to 32 characters.

■ **Assigning the Channel**

Select a clear channel as an operational channel for your Wireless LAN Smart Access Point.

■ **Assigning the AP's Name**

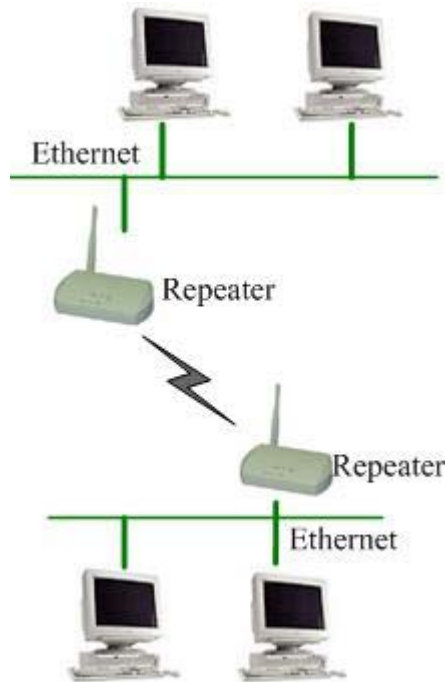
Assign specificity a unique name for the Wireless LAN Smart Access Point.

■ **Assigning the Mode**

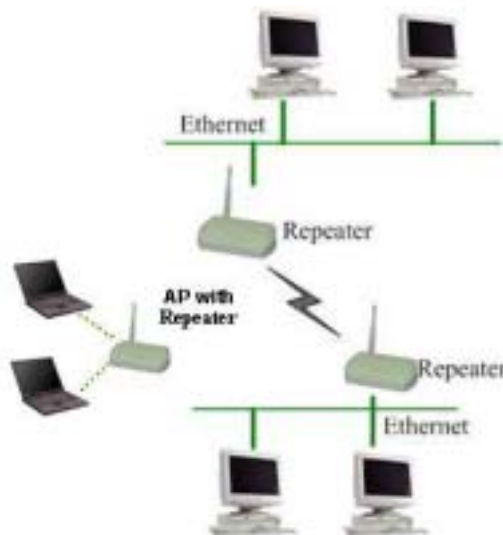
Wireless LAN Smart Access Point can be configured in a variety of network system configurations such as AP only, Repeater only, and AP with Repeater.

AP Only – Enables the Access Point to act as a wireless bridge connecting to your network backbone and communicating between Ethernet LAN and Wireless station.

Repeater Only – The repeater mode extends the radio coverage. The repeater can be at the center of the two (or more) Access Points that also need to set with repeater mode in the situation in which the distance is too far apart or are separated by some form of obstructive interference. If **Repeater** is selected, the repeater and Access Point must set with the *same channel* to transfer data.



AP with Repeater - Allows that Access point to act as Access Point and Repeater operation simultaneously. For repeater, the same channel is required to Access Point.



■ **SNMP**

SNMP is Simple Network Management Protocol that has become the standard to

manage network management and monitor of network devices and their functions. If SNMP is enabled, devices can use SNMP tool to manage and monitor the Wireless LAN Smart Access Point from remote control.

■ **DHCP Client**

Assign an IP address to the Wireless station. You may either set the wireless station to obtain an IP address from DHCP server, or to be assigned with a fixed IP address. If DHCP is enabled, the IP Address field displays the IP Address that is dynamically assigned to the AP by the network DHCP server and the IP Mask field displays the IP Mask utilized by the network DHCP server. The default setting is: **Disable**

■ **Assigning the IP Address**

Assign an IP address to your Access Point if you wish to configure the Wireless Access Point via the Web Management. Consult your network administrator to obtain an available IP address (**the default IP address is 192.168.1.1**). For further setup please refer to the following section.

■ **Assigning the subnetmask**

Assign a subnet mask to your Access Point if you wish to configure the Wireless Access Point via the Web Management. Consult your network administrator to obtain an available subnet mask. For further setup please refer to the following section.

■ **Assigning the default gateway**

Assign an default gateway to your Access Point if you wish to configure the Wireless Access Point via the Web Management. Consult your network administrator to obtain an available default gateway.

After setting the parameters, click the **APPLY** button to make the changes take effect. To return the previous page, click the **CANCEL** button.

■ **Default**

You may click on **Default** button to enable you to restore the Wireless LAN Smart Access Point's default setting.

Advance Setting:

You are able to do the advance setting by click Advance Setting button.

WIRELESS ACCESS POINT UTILITY

AP's name: 00-60-b3-11-11-11 Smart AP

INFO SECURITY ABOUT

No see

New password: []

Confirm password: []

SNMP Trap Server: 192.168.1.253

SNMP Readonly Community: public

SNMP Readwrite Community: private

Accept

Default CANCEL APPLY

- **No See**

To enable no see function, two or more wireless stations communicate through the Wireless LAN Smart Access Point will not see or find each other from network connection.

- **Password**

It is highly recommended that you assign a new password to your Access Point for safety issue. Enter the new password in the New Password and Confirm Password fields respectively.

- **SNMP Trap Server**

When certain types of events or errors occur, such as the agent has rebooted, a managed device will send a trap message to the SNMP Trap Server.

■ **SNMP Readonly Community**

The Readonly community is used by a Manager to monitor managed devices.

■ **SNMP Readwrite Community**

The Readwrite community is used by a Manager to monitor and control managed devices.

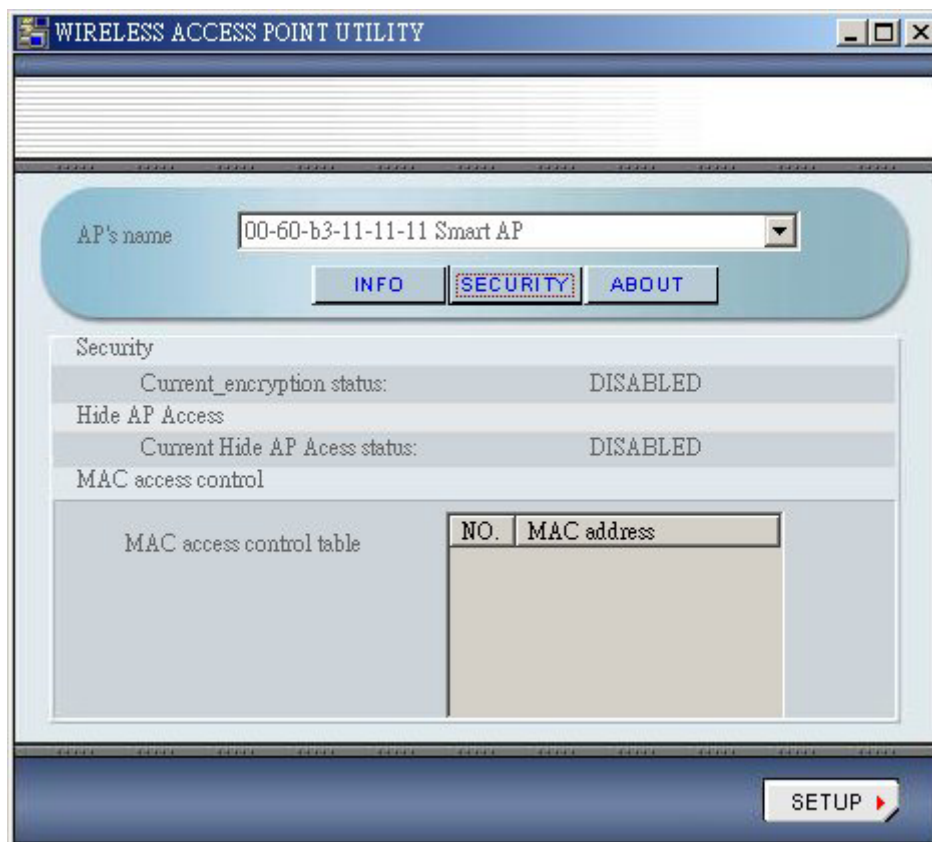
After setting the parameters, click the **Accept** button to make the changes take effect. To return the previous page, click the **CANCEL** button.

SECURITY:

To prevent unauthorized wireless stations from accessing data transmitted over the network, the Wireless LAN Smart Access Point offers the following levels of security options.

- Data Encryption, known as WEP (Wired Equivalent Privacy), encrypts wireless data transmitted via wireless medium.
- Access Control Table restricts wireless stations to access the Access Point.

Click the Security page you will see the current security status of the Access Point. Click the SETUP button and you may then enable the security function.



WEP

To enable the WEP encryption, check the “**Enable static WEP key encryption**” check box and select the encryption type, either 40 bit or 128 bit. Then enter a WEP Key in the **WEP Key** field.

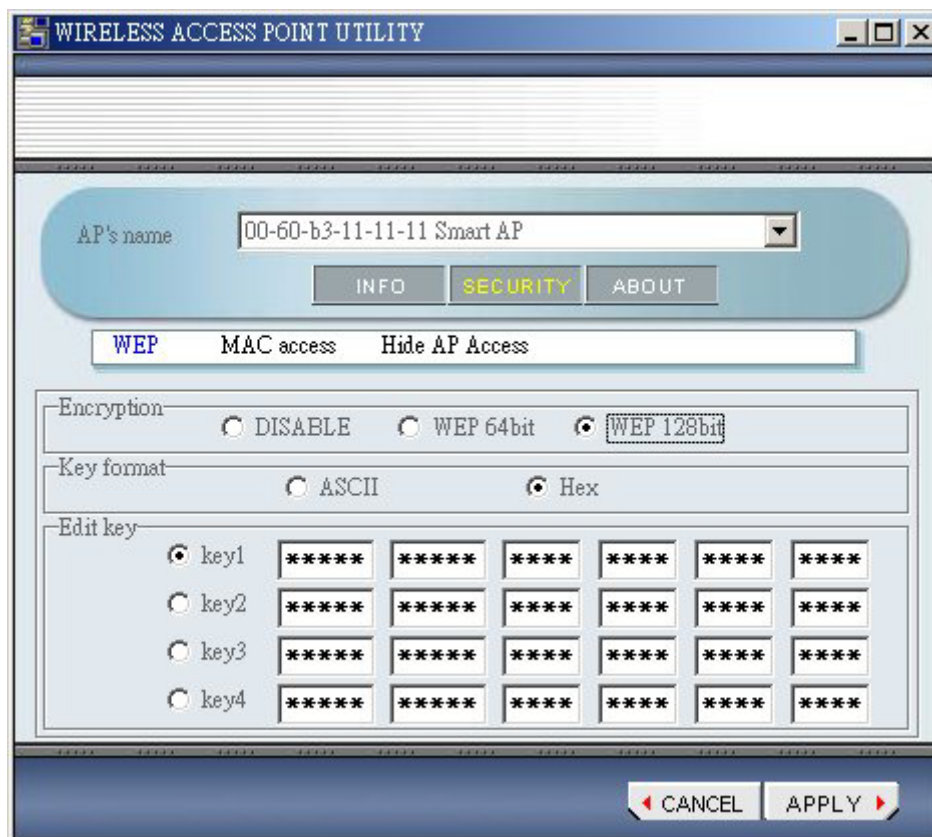
For 40 bit encryption you may choose:

- **ASCII: 5 characters** (case sensitive) ranging from “a-z”, “A-Z” and “0-9” (e.g. MyKey)
- **Hex: 10 hexadecimal digits** in the range of “A-F”, “a-f” and “0-9” (e.g. 11AA22BB33)

For 128 bit encryption you may choose:

- **ASCII: 13 characters** (case sensitive) ranging from “a-z”, “A-Z” and “0-9” (e.g. MyKey12345678)
- **Hex: 26 hexadecimal digits** in the range of “A-F”, “a-f” and “0-9” (e.g. 00112233445566778899AABBCC).

After defining the WEP keys, click the **APPLY** button to make the configuration take effect.



MAC Access Control

With the Access Control Table enabled, you can authorize wireless units to access the Access Point by identifying the MAC address of the wireless devices that are allowed access to transmit data. To create or edit the Access Control Table, do the following:

Go to the MAC Access Control tab and select “**Enable MAC Access Control**”. Note that when you enable the Access Control Table without any MAC address in the table, no access is allowed to communicate with the Access Point.

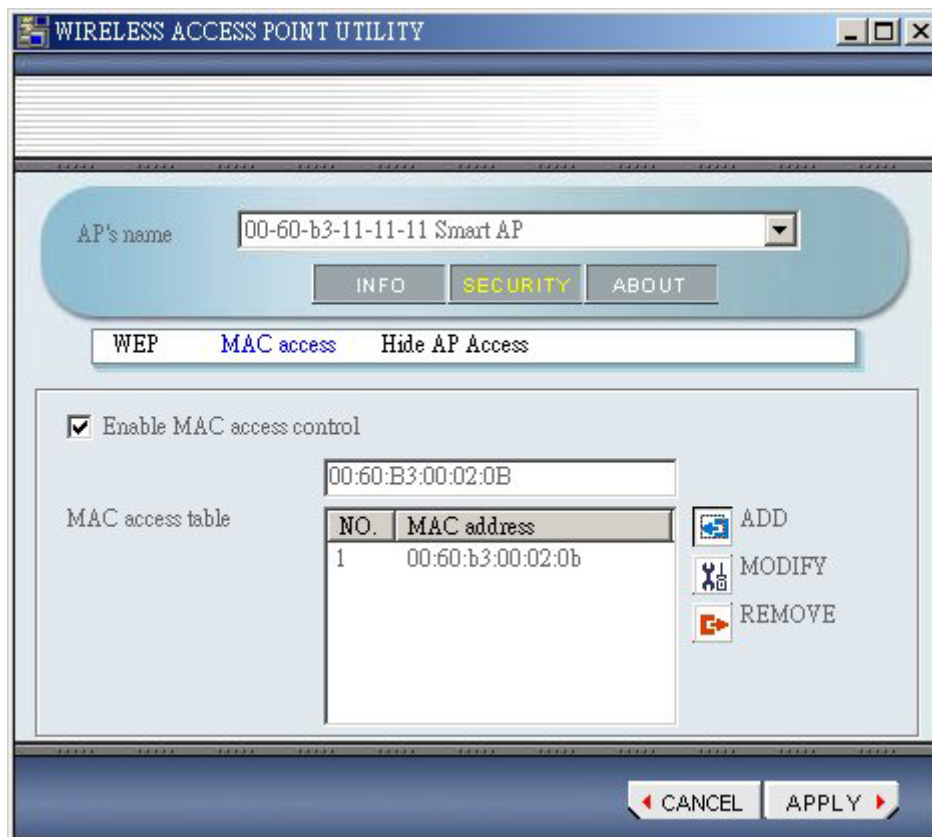
Use the following buttons to manage the Access Control Table:

Add – to enter MAC addresses of authorized wireless devices one at a time

Modify – to change the entries in the table if you enter the incorrect MAC address

Remove – to remove MAC addresses one at a time

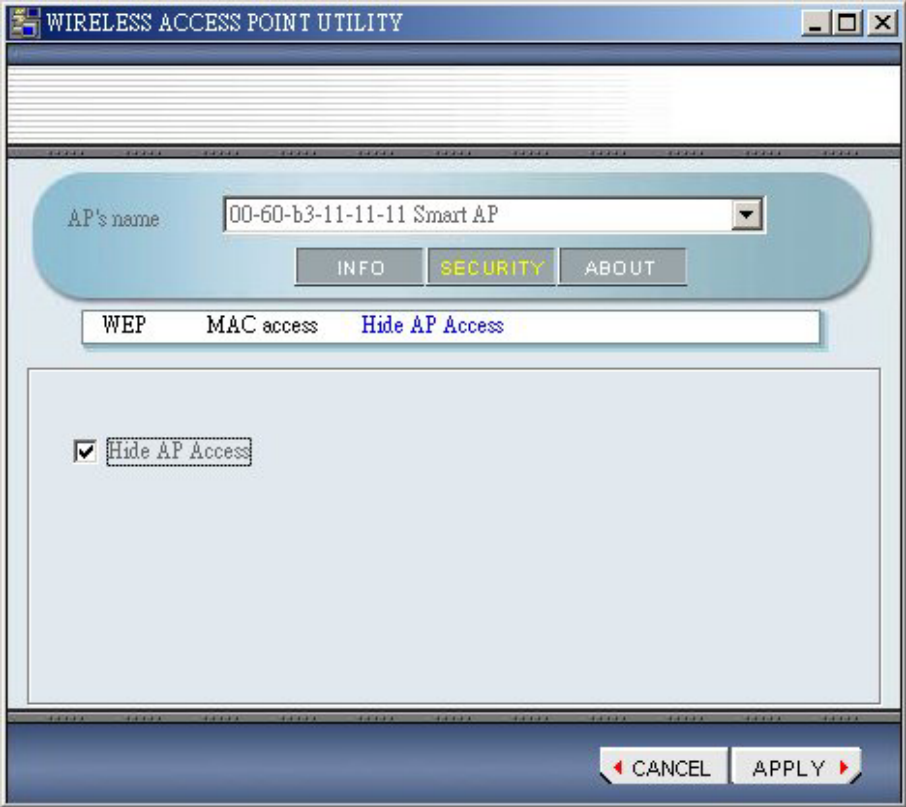
After add or modify any MAC addresses, click the **APPLY** button to make the configuration take effect.



Hide AP Access

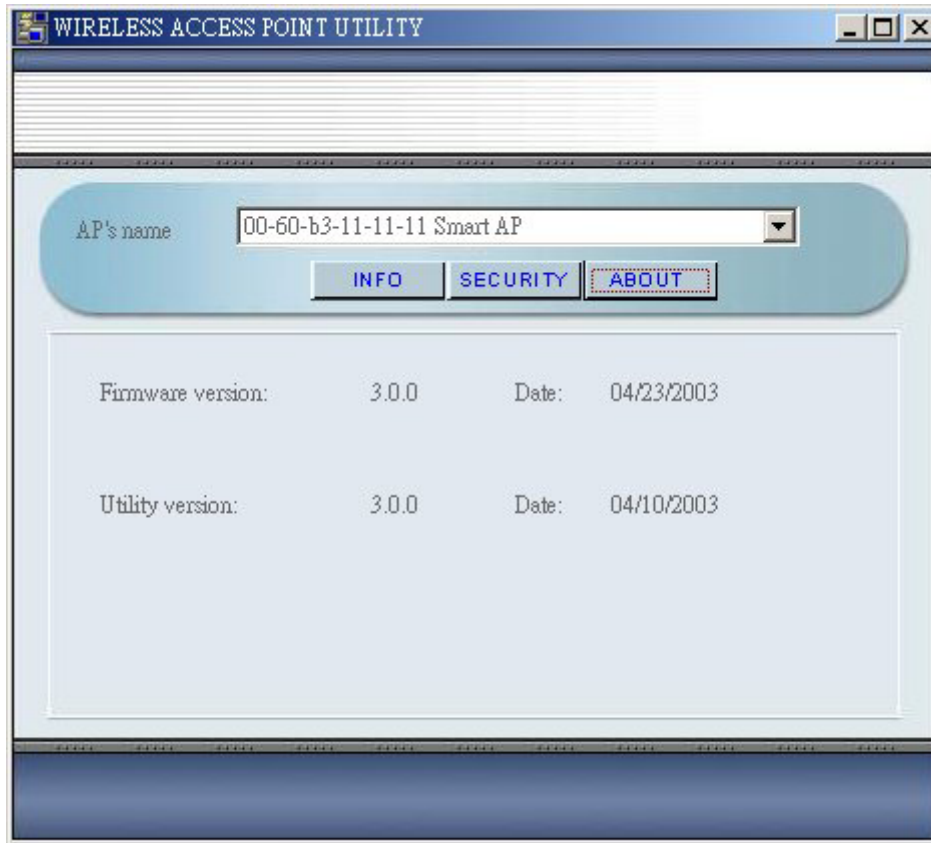
To prevent wireless stations access the Wireless LAN Smart Access Point. Wireless LAN Smart Access Point also offers the **Hide AP Access** security option to restrict wireless stations find and associate to the Wireless LAN Smart Access Point.

With hide AP access enabled by checking “**Hide AP Access**” check box, wireless stations will not browser and find Wireless LAN Smart Access Point. Even if the wireless stations set ESSID is ANY. Wireless stations still cannot associate to Wireless LAN Smart Access Point. But there is one exception that wireless station can still associate to Wireless LAN Smart Access Point is when you set the right ESSID.



ABOUT

The **ABOUT** item shows the version of the Wireless Access Point Utility and firmware version of the Wireless LAN Smart Access Point.



Firmware Upgrade Utility

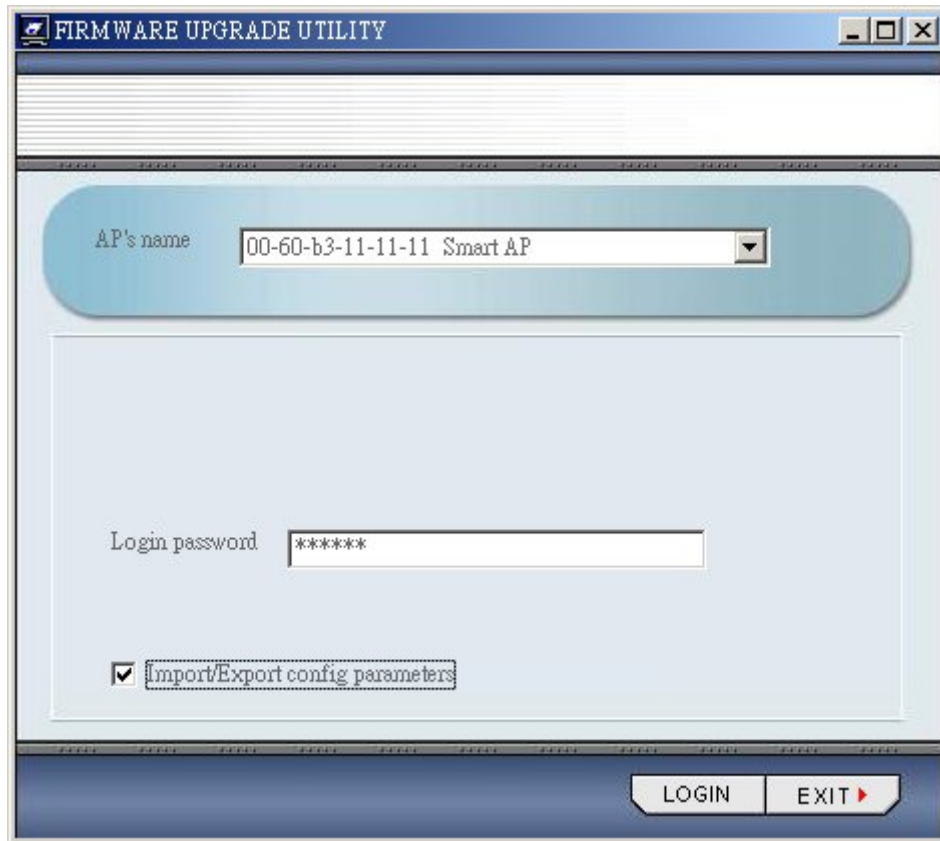
When you finished the installations of the Wireless Access Point Utility, you can find the Firmware upgrade utility in the programs, execute the Firmware upgrade utility, and it will browse all the 11Mbps Wireless LAN Smart Access Point available on the network.

Select the Access Point you want to upgrade. Enter the default password and click the **LOGIN** button. You will be able to upgrade Firmware of the Wireless LAN Smart Access Point as you desire.

If you check Import/Export config parameters, it will allow you to set values for all parameters by selecting a previous defined file. Click **LOGIN** to start Import/Export config parameters.

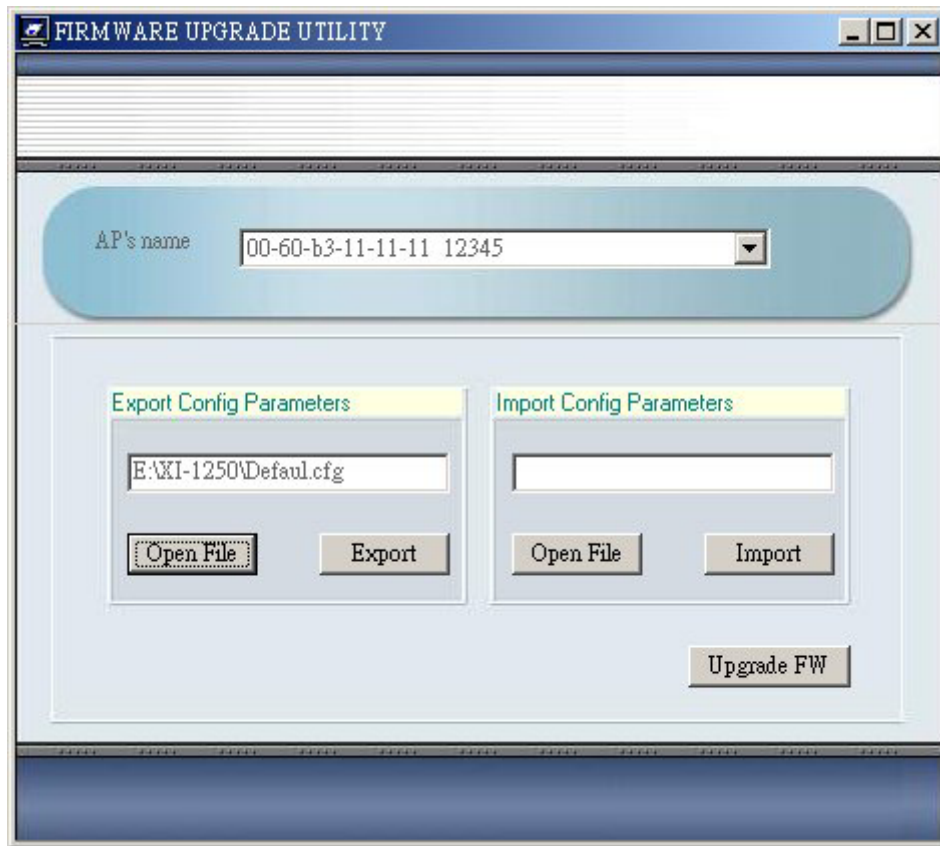


Note: The default password to get access to the Wireless LAN Smart Access Point is "default".



Import/Export config parameters

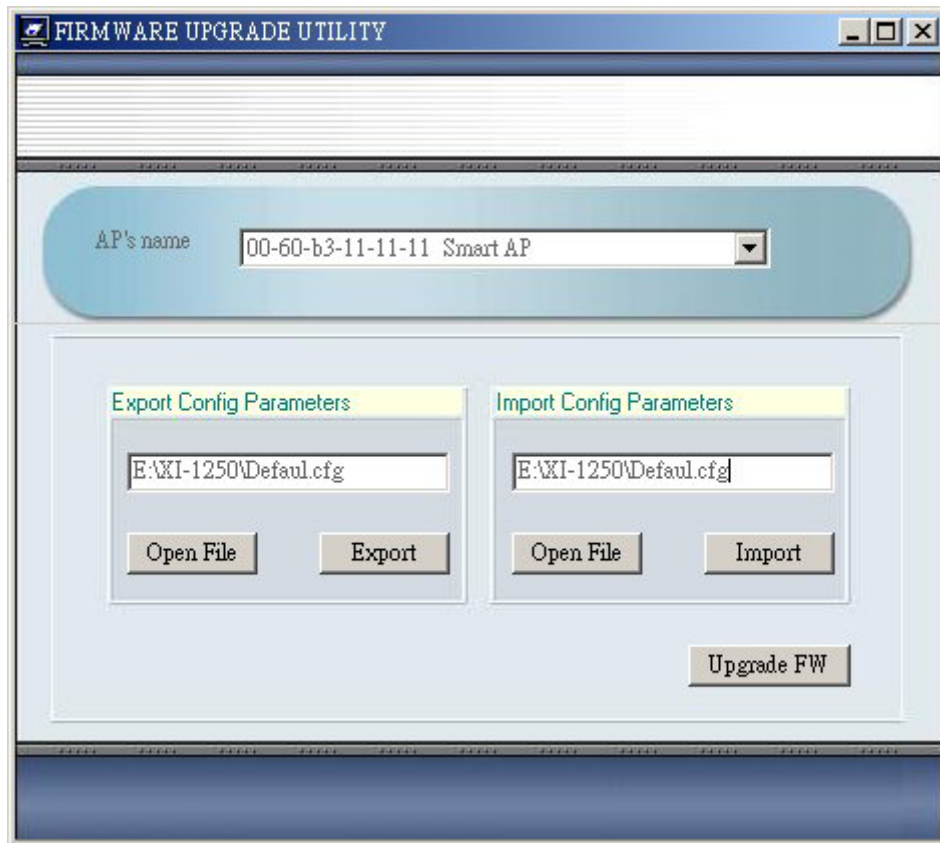
1. After clicking LOGIN button, you would see the Export Config Parameters and Import Config Parameters fields. Click the Open File in Export Config Parameters field and it will pop-up a window that asks you to save config parameters file to proper location.
2. After you click the Save button, you could see the file exit in Export Config Parameters filed.



3. Click Export button, it will pop-up a window that tells you Export complete.



4. If you want to import the files that you defined, click Open File button in Import Config Parameter field and select the file that you defined in proper location.

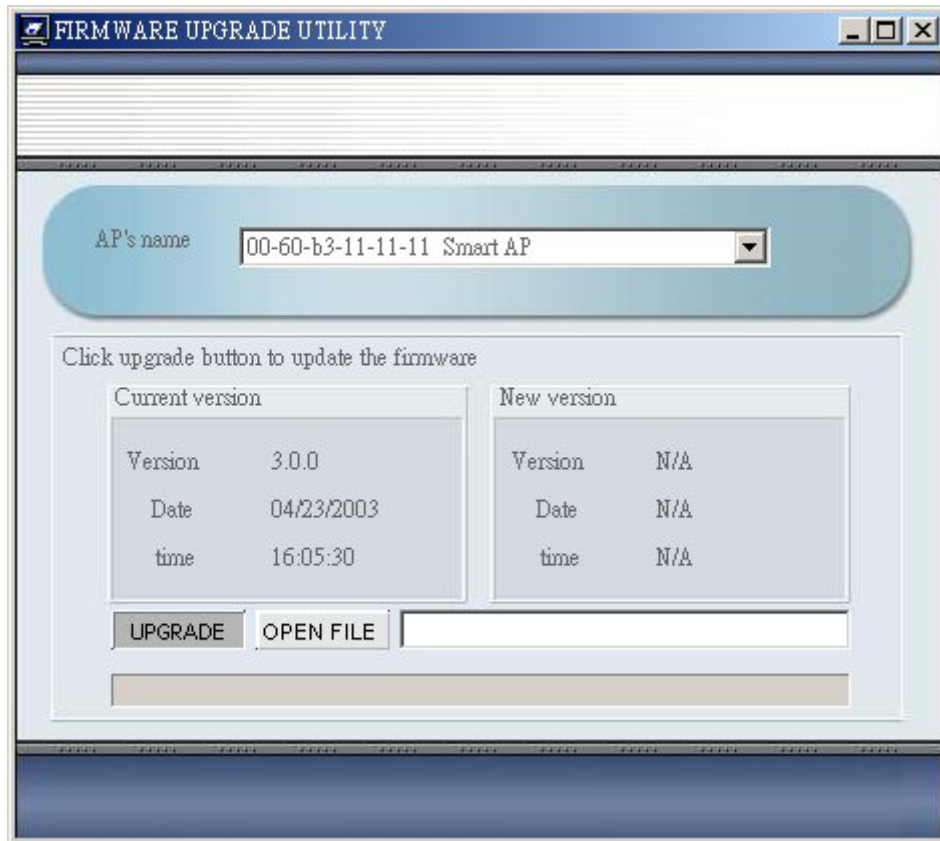


5. After you open file, click Import button and widow will pop-up a message to tell you import complete.



Upgrade

This item is used for uploading the newest firmware of the Access Point. You may either enter the file name in the entry field or browse the file by clicking the **OPEN FILE** button. After choose the correctly file, click the **UPGRADE** button to make the Firmware upgrade take effect. For information about the release of the newest firmware, contact your local reseller.



Web Management

The built-in Web Management provides you with a set of user-friendly graphical user interfaces (web pages) to manager your Access Points. With the assigned IP address (e.g. <http://192.168.1.1> , **192.168.1.1 is the default IP address**) to the Access Point, you may get access to the **Access Point Web Pages** via a web browser (e.g., Netscape Navigator 3.0 ~ 4.5 or MS Internet Explorer 4.0) to monitor and configure the Access Point.



Technical Support

You can find the most recent software and updated user documentation will be updated periodically on the supplier Web site. If you have difficulty resolving the problem while installing or using the 11Mbps Wireless LAN Smart Access Point, please contact the supplier for support.

FCC Information

This 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.

Federal Communications Commission (FCC) Statement

This Equipment has been tested and found to comply with the limits for a Class B and C digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide 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 the instructions, may cause harmful interference to radio communications. However, there is no guarantee that 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 or relocate 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.



FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Limited Warranty

This Warranty constitutes the sole and exclusive remedy of any buyer or reseller's equipment and the sole and exclusive liability of the supplier in connection with the products and is in lieu of all other warranties, express, implied or statutory, including, but not limited to, any implied warranty of merchantability of fitness for a particular use and all other obligations or liabilities of the supplier.

In no even will the supplier or any other party or person be liable to your or anyone else for any damages, including lost profits, lost savings or other incidental or consequential damages, or inability to use the software provided on the software media even if the supplier or the other party person has been advised of the possibility of such damages.

The following are special terms applicable to your hardware warranty as well as services you may use during part of the warranty period. Your formal Warranty Statement, including the warranty applicable to our Wireless LAN products, appears in the Quick Installation Guide which accompanies your products.

Duration of Hardware Warranty: One Year

Replacement, Repair or Refund Procedure for Hardware:

If your unit needs a repair or replacement, return it to your dealer/distributor in its original packaging. When returning a defective product for Warranty, always include the following documents:

- The Warranty Repair Card
- A copy of the invoice/proof of purchase, and
- The RMA Report Form (To receive a Return Materials Authorization form (RMA), please contact the party from whom you purchased the product).

Upon proof-of-purchase we shall, at its option, repair or replace the defective item at no cost to the buyer.

This warranty is contingent upon proper use in the application for which the products are intended and does not cover products which have been modified without the reseller's approval or which have been subjected to unusual physical or electrical demands or damaged in any way.

Please complete the information below and include it along with your products.

Name:	
Title:	
Company:	
Telephone:	
Fax:	
Email:	
City/State/Zipcode:	
Country:	
Product Name:	
Serial Number:	
MAC Address:	
Invoice Date:	
Product Description:	

If you have any further questions, please contact your local authorized reseller for support.

FCC CAUTION

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. FCC RF Radiation Exposure Statement: The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

3. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

4. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.