

IEEE802.11g Wireless Access Point with Client

User's Manual

FCC Certifications



Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B 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 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.

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

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

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

CE Mark Warning



This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class B for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

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Unpacking Information

Thank you for purchasing the product. Before you start, please check all the contents of this package.

The product package should include the following:

- 1. One Wireless AP**
- 2. One power adapter**
- 3. One Quick installation Guide**
- 4. One User Manual (CD)**
- 5. One detachable antenna**

Introduction

General Description

Easily constructing your LAN, this wireless access point offers a wireless interface and eliminates your effort busying cabling form one computer to another.

With being compliant to IEEE 802.11g specification, this wireless access point supports data rate up to 54Mbps and hence help to construct your high-speed home or office wireless network. 802.11g is also backward compatible with IEEE 802.11b wireless devices.

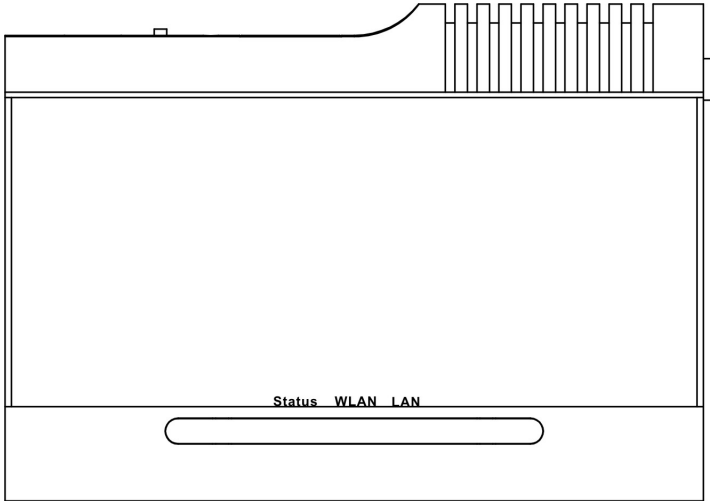
This access point equips one LAN port and one embedding antenna. With supporting DHCP server and client, the W430 is easy to install and setup. The wireless security mechanism is provided over 64/128-bit WEP, WPA (TKIP with IEEE 802.1x), WPA2 and AES.

This device supports WEB-based graphics user interface that helps users to configure this device easily.

Key Features

- Complies with IEEE 802.11b/g wireless standards
- Provides one 802.11b/g wireless Reverse SMA detachable antenna
- High speed transfer data rate up to 54Mbps
- Supports turbo mode for 72Mbps data transfer
- Supports wireless data encryption with 64/128-bit WEP, WPA (TKIP with IEEE 802.1x), WPA2 and AES functions
- Supports one switch for selecting AP client mode or AP mode
- Supports Ad Hoc mode, Infrastructure mode, AP Bridge mode, AP Bridge WDS mode and Repeater mode
- Supports authentication for wireless connectivity based on ESSID
- Provides MAC access control and hidden SSID function
- WDS supported with WEP, TKIP and AES encryption
- Supports DHCP server
- Supports firmware upgrade function via Web
- Compliant with FCC Part 15.247 for US, ETS 300 328 for Europe
- Flash: 2MB, SDRAM : 8MB
- Certifications: FCC Class B, CE Mark

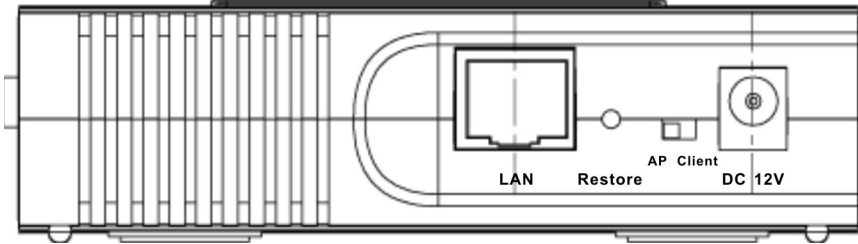
The Front Panel



LED definition

LED	Status	Definition
Status	Steady Blue	System down or System restarting
	Blinking Blue	System works normally.
	Off	System down
WALN	Blinking Blue	Wireless interface enabled
	Off	Wireless interface disabled
LAN	Blinking Blue	Data transmitting/receiving on LAN port
	Steady Blue	Valid connection on LAN port
	Off	Invalid connection on LAN port

The Rear Panel



DC 12V	Plug this connector with the circle end of the included power adapter. Plug the adapter to an outlet to power on the AP.
AP/Client switch	Push this switch to either side to function this AP in AP mode or Client mode.
Restore	Press and hold this button for 5 seconds to restore the default values.
LAN	The RJ-45 port for connect this AP to your LAN.

Connecting This AP to Your Network.

This Chapter provides a step-by-step guide to the installation and configuration of this wireless access point.

- Connect the power adapter with the connector end to the power connector in the rear panel of the device and the plug end to an appropriate outlet.
- Connect the LAN port with RJ-45 cable to:
 1. a broad band router to allow wireless clients to connect to WAN.
 2. a switch to allow wireless clients to communicate with wired LAN.
 3. a computer directly to use the computer configuring this AP.

Note: You have to configure the network settings of this AP to be communicable with your router, switch or computer first. To change the default network settings of the AP, please refer to "**LAN Interface setup**".

Management

Configuring the IP address of your computer

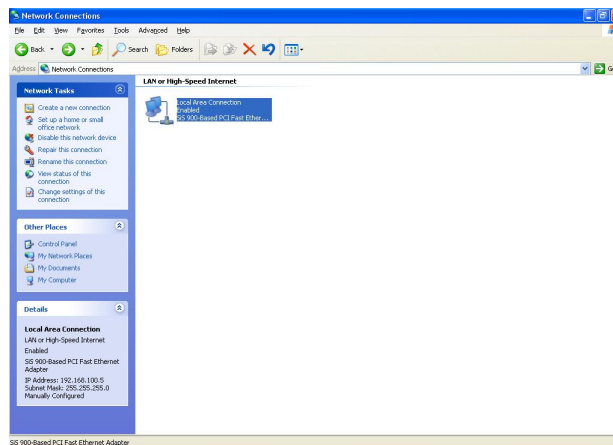
In order to manage with this Wireless AP, you have to configure the IP addresses of your computer to be compatible with this device.

Note:

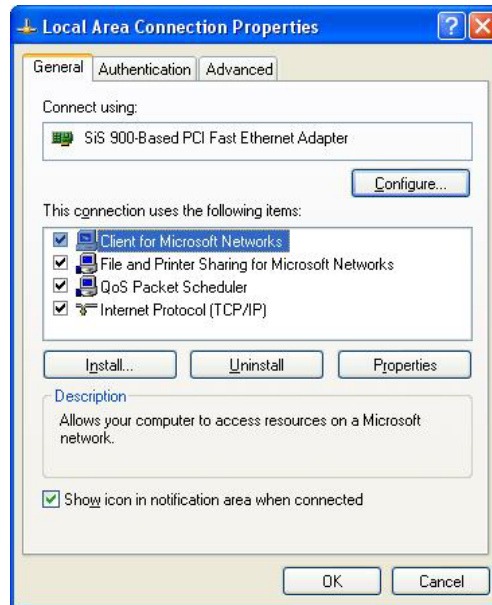
1. The default network setting of the device:
IP address: 192.168.1.1
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.1.254
2. In the following TCP/IP configuration guide, the IP address "192.168.1.2 " is assumed to be your IP address. Please **DO NOT** choose 192.168.1.1 for the IP address (192.168.1.1) has been set as the default IP for this device.
3. The following TCP/IP configuration guide uses windows XP as the presumed operation system.

Procedures to configure IP addresses for your computer

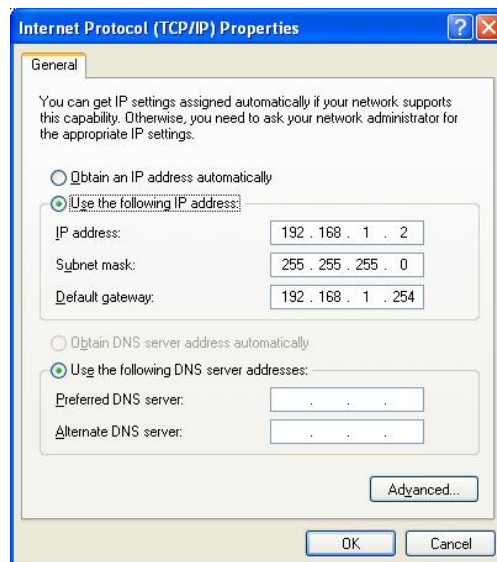
1. If you are in Classic Start menu view, click **Start→Settings→Control Panel→Network Connections**.
If you are in Start menu view, click **Start→Control Panel→ Network Connections**.
2. Double click "Local Area Connection"



3. Choose **Internet Protocol (TCP/IP)** and click **Properties**.



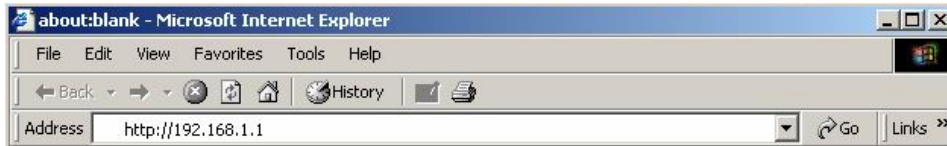
4. Choose "Use the following IP address" to specify IP addresses manually. Fill in the IP addresses in each column. Please click the OK button after your configuration.



Starting the WEB-Based Management Interface

The device uses WEB as the management interface. You can use a browser to access the management interface easily. Please follow up the steps listed below.

1. Double click the Internet WEB browser icon on your desktop screen (Netscape Communicator 4.0 and Internet Explorer 3.0 or update version)
2. Type 192.168.1.1 into the URL WEB address location and press Enter.



3. The Username and Password Required window appears.
 - Enter **admin** in the User Name location (default value).
 - Enter **admin** in the Password location (default value).
 - Click "**OK**" button



The Graphic User Interface

After the password authorization, the Setup Wizard shows up as the home page of the Graphic User interface. You may click on each folder on left column of each page to get access to each configuration page.

The screenshot displays the web interface for an 802.11g Wireless AP. The main header reads "802.11g Wireless AP". On the left, a "Site contents" menu lists various configuration options: Status, System Management, Basic Settings, Advanced Settings, Security, Access Control, Statistics, Upgrade Firmware, and Save/Reload Settings. The "Status" page is active, showing a table of system and configuration details.

Status

This page shows the current status and some basic settings of the device.

SYSTEM	
Uptime	0day,0h,3m,57s
Firmware Version	v1.0
Wireless Configuration	
Mode	AP
Band	2.4 GHz (B+G)
SSID	WLAN-11g-AP
Channel Number	1
Encryption	Disabled
BSSID	00e07d0c07d1
Associated Clients	0
LAN Configuration	
Attain IP Protocol	Static IP
IP Address	10.10.99.222
Subnet Mask	255.255.0.0
Default Gateway	10.10.99.254
MAC Address	00e07d0c07d1

Status

The Status page shows the following information of the device.

Items	Information
Uptime	The period that you turn the device on.
Firmware version	The current firmware version of the device.
Mode	Shows if the device is operating in AP or WDS mode.
Band	The band that the wireless AP operating.
SSID	The name of this wireless network.
Channel Number	The channel that the wireless network using.
Encryption	The security encryption type that the wireless network using.
BSSID	The Basic Service Set Identity of this AP(This parameter is the same as the MAC address of LAN port)
Associated Clients	The number of members who is currently connected with this AP.
Attain IP Protocol	The way for this AP to get a IP address.
IP Address	The current IP address of this AP.
Subnet Mask	The current subnet mask of this AP.
Default Gateway	The current default gateway of this AP.
MAC Address	The current MAC address of this AP.

Status

This page shows the current status and some basic settings of the device.

SYSTEM	
Uptime	0day:0h:12m:25s
Firmware Version	v1.0
Wireless Configuration	
Mode	AP+WDS
Band	2.4 GHz (B+G)
SSID	WLAN-11g-AP
Channel Number	1
Encryption	Disabled(AP), Disabled(WDS)
BSSID	00:e0:7d:c0:c7:d1
Associated Clients	0
LAN Configuration	
Attain IP Protocol	Static IP
IP Address	10.10.99.146
Subnet Mask	255.255.255.0
Default Gateway	10.10.99.254
MAC Address	00:e0:7d:c0:c7:d1

LAN Interface Setup

This page allows users to configure the LAN network settings.

LAN Interface Setup

This page is used to configure the parameters for local area network which connects to the LAN port of your Access Point. Here you may change the setting for IP address, subnet mask, DHCP, etc..

IP Address:	<input type="text" value="192.168.1.1"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Default Gateway:	<input type="text" value="192.168.1.254"/>
DHCP Server:	<input type="text" value="Disabled"/>
DHCP Client Range:	<input type="text" value="192.168.1.100"/> - <input type="text" value="192.168.1.200"/> <input type="button" value="Show Client"/>
DNS Server:	<input type="text"/>
Domain Name:	<input type="text"/>
802.1d Spanning Tree:	<input type="text" value="Disabled"/>
Clone MAC Address:	<input type="text" value="000000000000"/>

Configuration

IP address	The IP of your AP LAN port (Default 192.168.1.1)
Subnet Mask	Subnet Mask of you LAN (Default 255.255.255.0)
Default Gateway	The default gateway of this AP.
DHCP Server	Select "Enable" to enable the DHCP server.
DHCP Client Range	Specify the DHCP Client IP address range. You can also click the "Show Client" button to list those connected DHCP clients.
DNS Server	The DNS (domain name server) of this AP.
Domain Name	The name that the AP is going to be recognized in LAN.
802.1d Spanning tree	To prevent from network loops and preserve the quality of bridged network
Clone MAC Address	MAC cloning feature allows the MAC address reported by WAN side network interface card to be set to the MAC address already registered with the ISP eliminating the need to register the new MAC address with the ISP. This feature does not change the actual MAC address on the NIC, but instead changes the MAC address reported by this device to client requests. To Change the MAC address, enter it in the text box.

System Log

This System Log page shows the information of the current activities on the AP.

To enable system log function:

1. Mark the "Enable Log" checkbox.
2. To see all information of the system, select the "system all" checkbox.
To see wireless information only, select the "wireless" checkbox.
To send the log information to a certain note, select the "Enable Remote Log" checkbox and fill in the IP address in the "Log Server IP Address" box.
3. Click the "Apply Changes" button to activate

You could also click the "Refresh" button to refresh the log information or click the "clear" button to clean the log table.

System Log

This page can be used to set remote log server and show the system log.

Enable Log

system all **wireless**

Enable Remote Log **Log Server IP Address:**
Server Port: 514

Password Setup

This page allows users to configure the username and password for getting accessed to this WEB based user interface.

To change the username/password, please fill in the username, New password and click the "Apply Changes" button after confirming the password. You may also cancel the password authentication by leaving those blanks empty then clicking the "Apply Changes" button.

Password Setup

This page is used to set the account to access the web server of Access Point. Empty user name and password will disable the protection.

User Name:

New Password:

Confirmed Password:

Basic Settings

This page provides setting up the wireless configuration and monitoring the Wireless Clients that associate with this AP.

Wireless Basic Settings

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters.

Disable Wireless LAN Interface

Band:

AP Mode Type:

SSID:

Country:

Channel Number:

Associated Clients:

WDS Setting:

Enable Universal Repeater Mode (Acting as AP and client simultaneously)

Root AP SSID:

Configuration

Disable Wireless LAN Interface To Disable interface of Wireless LAN

Band To select a band for this device to match 802.11b, 802.11g or both.

AP Mode Type Configure this device as AP, WDS or both.

SSID The name of the wireless network

Country Select the region you live.

Channel Number The channel used by the wireless LAN. All devices in the same wireless LAN should use the same channel.

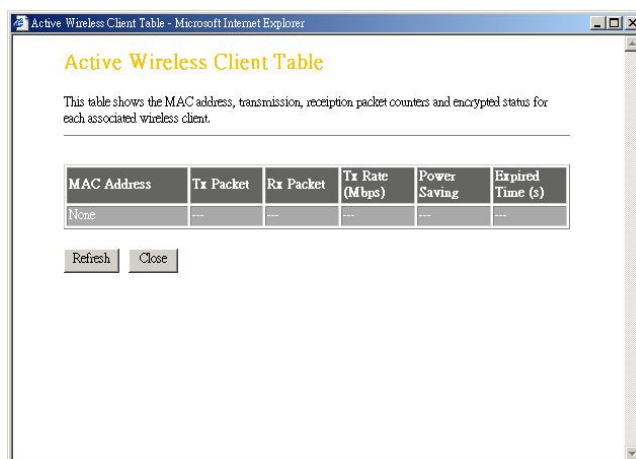
Associated Clients Click the "Show Active Clients" button, then an "Active Wireless Client Table" will pop up. You can see the status of all active wireless stations that are connecting to the access point.

WDS Setting	Click the "Show WDS Setting" button to configure WDS settings. The WDS settings pops up.
Enable Universal Repeater Mode	Mark this checkbox to enable Universal Repeater Mode which acts this device as an AP and client simultaneously.
Root AP SSID	While you enable the Universal Repeater Mode, you have to specify an SSID for the extended interface.

Click **<Apply changes>** button at the bottom of the screen to save the above configurations. You can now configure other advance sections or start using the AP (with the advance settings in place)

Active Wireless Client Table

This is the window that pops up after clicking the **"Show Active Clients"** button.

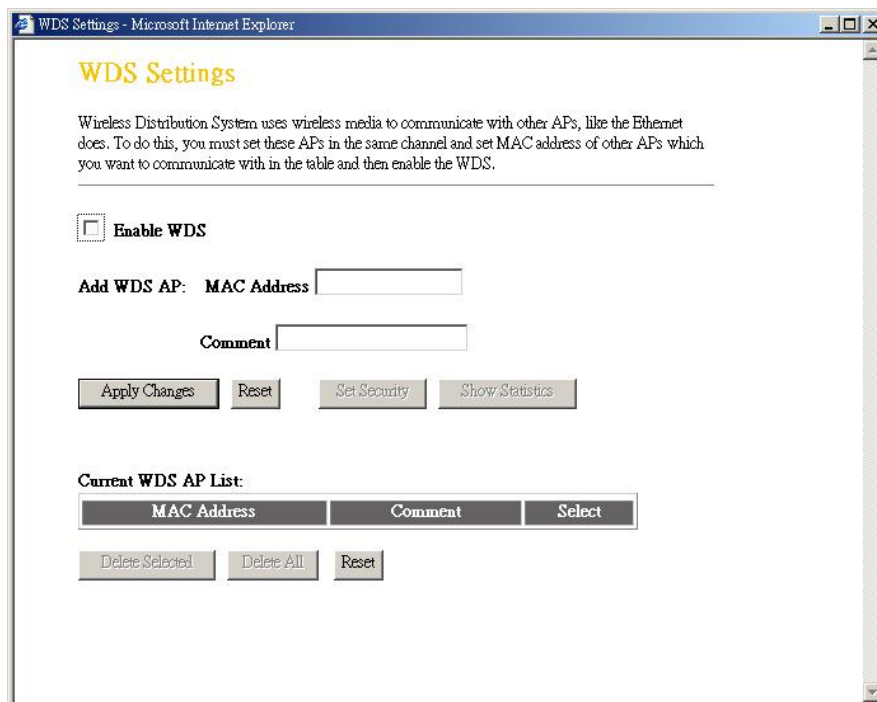


MAC Address	MAC address of this active wireless station.
Tx Packet	The number of transmitted packets that are sent out from this active wireless station.
Rx Packet	The number of received packets that are received by this active wireless station.
TX Rate	The transmission rate
Power Saving	Shows if the wireless client is in Power Saving mode
Expired Time	This is the time in second before dissociation. If the wireless keeps idle longer than the expired time, this wireless AP will dissociate it. The wireless client station has to associate again when it is active.

Refresh	Refresh the "Active Wireless Client Table".
Close	Close the "Active Wireless Client Table".

WDS Settings

This is the window that pops up after clicking the **"Show WDS Setting"** button.



Wireless Distribution System allows this AP to communicate with other APs wirelessly. To make it work, you must ensure that these APs are in the same Channel and add these APs MAC Address and Comment values into the WDS list. Don't Forget to Enable the WDS by click the check box of "Enable WDS" and press "Apply Changes" button to save. To Delete the AP on the list, Click the check box in the select item and click the "Delete Selected". If you want to delete all APs on the list, click "Delete All" to remove all of them.

Advanced Settings

You can set advanced wireless LAN parameters of this AP. The parameters include Authentication Type, Fragment Threshold, RTS Threshold, Beacon Interval, Data Rate, Preamble Type, Broadcast SSID, IAPP and 802.11g Protection.

Wireless Advanced Settings

These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Access Point.

Authentication Type: Open System Shared Key Auto

Fragment Threshold: (256-2346)

RTS Threshold: (0-2347)

Beacon Interval: (20-1024 ms)

Data Rate:

Preamble Type: Long Preamble Short Preamble

Broadcast SSID: Enabled Disabled

IAPP: Enabled Disabled

802.11g Protection: Enabled Disabled

RF Output Power: 100% 50% 25% 10% 5%

Turbo Mode: Auto Always Off

Configuration

Authentication Type	Open System mode	Allow communication with no security.
	Shared Key mode	Allow communication with devices with the same WEP key only.
	Auto	The wireless client can associate with this AP by using any one of these two Modes.
Fragment Threshold	To specifies the maximum size of packet during the data transition. The lower values you set, the worst performance it will be.	

RTS Threshold	If the packet size is smaller the RTS threshold, the AP will not send this packet by using the RTS/CTS mechanism.
Beacon Interval	The period of time how long a beacon is broadcasted.
Data Rate	The "Data Rate" is the data packets limitation this wireless AP can transmit. The wireless AP will use the highest possible selected transmission rate to transmit the data packets.
Preamble Type	It defines the length of CRC block in the frames during the wireless communication. "Short Preamble" is suitable for heavy traffic wireless network. "Long Preamble" provides much communication reliability
Broadcast SSID	If you enable "Broadcast SSID", every wireless station located within the coverage of this wireless AP can discover this wireless AP easily. If you are building a public wireless network, enabling this feature is recommended. Disabling "Broadcast SSID" can provide better security.
IAPP	To enables multiple AP to communicate and pass information regarding the location of associated Stations.
802.11g Protection	Some 802.11g wireless adapters support 802.11g protection, which allows the adapters searches for 802.11g singles only. Select the "Disabled" to disable supporting 802.11g protection or select "enable" to support this function.
RF Output power	Select the RF (Radio Frequency) power. The RF output power has positive correlation with signal strength.
Turbo Mode	Some of our wireless adapters supports turbo mode, which provides a better connection quality. Select "Always" to support turbo mode or select "off" to turn it off . Select "Auto" turns it on or off automatically.

Click the **<Apply Changes>** button at the bottom of the screen to save the above configurations. You can now configure other advance sections or start using the AP.

Security

At the page, you can set up the WEP, WPA Encryption to ensure the security of your Wireless. You will have to do different configurations to each encryption modes. Click on the Encryption drop list to select an encryption mode or select "Disabled" to transmitting data without encryption.

WEP Encryption

Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

Encryption:

Key Length:

Key Format:

Default Tx Key:

Encryption Key 1:

Encryption Key 2:

Encryption Key 3:

Encryption Key 4:

Use 802.1x Authentication

Configuration

Encryption	To enable WEP, WPA, WPA2 and WPA2 Mixed encryption modes, select the option in the drop list. If you select none, any data will be transmitted without Encryption and any station can access the AP
Key Length	Select a key length as 64-bit or 128-bit.
Key Format	Select a key format as Hex or ASCII
Default Tx Key	Select a default key for transmitting data.
Use 802.1x Authentication	Mark this check box. Fill in the RADIUS server IP address, Port Number, and Password to enable 802.1x authentication.

Click **<Apply Change>** at the bottom of the screen to save the above configurations. You can now configure other advance sections or start using the AP.

WPA Encryption

Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

Encryption:	<input type="text" value="WPA"/>
WPA Cipher Suite:	<input checked="" type="radio"/> TKIP <input type="radio"/> AES
WPA Authentication Mode:	<input type="radio"/> Enterprise (RADIUS) <input checked="" type="radio"/> Personal (Pre-Shared Key)
Pre-Shared Key Format:	<input type="text" value="Passphrase"/>
Pre-Shared Key:	<input type="text"/>
<input type="button" value="Apply Changes"/> <input type="button" value="Reset"/>	

Configuration

Encryption	To enable WEP, WPA, WPA2 and WPA2 Mixed encryption modes, select the option in the drop list. If you select none, any data will be transmitted without Encryption and any station can access the AP.
WPA Cipher Suite	Select the WPA Cipher Suite to be TKIP or AES
WPA Authentication Mode	Select the WPA mode as "Enterprise (WPA-Radius)" or "Personal (Pre-Shared Key)".
Pre-Shared key Format	Click on the drop list to select an Pre-Shared Key Format as Passphrase or Hex
Pre-shared Key	Enter the Pre-shared Key according to the pre-shared key format you select.

Click **<Apply Change>** at the bottom of the screen to save the above configurations. You can now configure other advance sections or start using the AP.

WPA2 Encryption

Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

Encryption:	<input type="text" value="WPA2"/>
WPA2 Cipher Suite:	<input type="radio"/> TKIP <input checked="" type="radio"/> AES
WPA Authentication Mode:	<input type="radio"/> Enterprise (RADIUS) <input checked="" type="radio"/> Personal (Pre-Shared Key)
Pre-Shared Key Format:	<input type="text" value="Passphrase"/>
Pre-Shared Key:	<input type="text"/>
<input type="button" value="Apply Changes"/> <input type="button" value="Reset"/>	

Configuration

Encryption	To enable WEP, WPA, WPA2 and WPA2 Mixed encryption modes, select the option in the drop list. If you select none, any data will be transmitted without Encryption and any station can access the AP.
WPA2 Cipher Suite	Select the WPA2 Cipher Suite to be TKIP or AES
WPA Authentication Mode	Select the WPA mode as "Enterprise (WPA-Radius)" or "Personal (Pre-Shared Key)".
Pre-Shared key Format	Click on the drop list to select an Pre-Shared Key Format as Passphrase or Hex
Pre-shared Key	Enter the Pre-shared Key according to the pre-shared key format you select.

Click **<Apply Change>** at the bottom of the screen to save the above configurations. You can now configure other advance sections or start using the AP.

WPA2 Mixed Encryption

Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

Encryption:	<input type="text" value="WPA2 Mixed"/>
WPA Cipher Suite:	<input checked="" type="radio"/> TKIP <input type="radio"/> AES
WPA2 Cipher Suite:	<input type="radio"/> TKIP <input checked="" type="radio"/> AES
WPA Authentication Mode:	<input type="radio"/> Enterprise (RADIUS) <input checked="" type="radio"/> Personal (Pre-Shared Key)
Pre-Shared Key Format:	<input type="text" value="Passphrase"/>
Pre-Shared Key:	<input type="text"/>
<input type="button" value="Apply Changes"/> <input type="button" value="Reset"/>	

Configuration

Encryption	To enable WEP, WPA, WPA2 and WPA2 Mixed encryption modes, select the option in the drop list. If you select none, any data will be transmitted without Encryption and any station can access the AP.
WPA Cipher Suite	Select the WPA Cipher Suite to be TKIP or AES
WPA2 Cipher Suite	Select the WPA2 Cipher Suite to be TKIP or AES
WPA Authentication Mode	Select the WPA mode as "Enterprise (WPA-Radius)" or "Personal (Pre-Shared Key)".
Pre-Shared key Format	Click on the drop list to select an Pre-Shared Key Format as Passphrase or Hex
Pre-shared Key	Enter the Pre-shared Key according to the pre-shared key format you select.

Click **<Apply Change>** at the bottom of the screen to save the above configurations. You can now configure other advance sections or start using the AP.

Access Control

To restrict the Number of Access authentication of Stations, Set up the control list in this page.

Wireless Access Control

If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Access Point.

Wireless Access Control Mode:

MAC Address: **Comment:**

Current Access Control List:

MAC Address	Comment	Select
<input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/> <input type="button" value="Reset"/>		

Configuration

Wireless Access Control Mode

Click on the drop list to choose the access control mode. You may select "Allow listed" to allow those allowed MAC addresses or select "Deny Listed" to ban those MAC addresses from accessing to this device.

MAC Address & Comment

To set up the Value of MAC Address & Comment; enter the MAC Address and Comment of station and click Apply Changes to save.

Current Access Control list

To Delete the station on the list, Click the check box in the select item and click the "Delete Selected". If you want to delete all stations on the list, click "Delete All" to remove all of them.

Click <Apply Change> button to save the above configurations. You can now configure other advance sections or start using the AP.

Statistics

On this page, you can monitor the sent & received packets counters of wireless, Ethernet LAN, and Ethernet WAN. To see the latest report, click refresh button.

Statistics

This page shows the packet counters for transmission and reception regarding to wireless and Ethernet networks.

Wireless LAN	<i>Sent Packets</i>	0
	<i>Received Packets</i>	0
Ethernet LAN	<i>Sent Packets</i>	545
	<i>Received Packets</i>	58009

Refresh

Upgrade Firmware

To Upgrade Firmware,

STEPS

1. Click "browse..." button to select the firmware you want to upgrade.
2. Click Upload to start the upgrade process. Please don't close the WEB-browser and wait for the process to be completed.

Upgrade Firmware

This page allows you upgrade the Access Point firmware to new version. Please note, do not power off the device during the upload because it may crash the system.

Select File:

Save and Reload Settings

To save setting to file, click "Save..." button.

To load setting from file,

1. Click "Browse..." on the to select the file
2. Click upload to start the process and wait for it to complete

To reset setting to Default, click the Reset button to start the process.

Save/Reload Settings

This page allows you save current settings to a file or reload the settings from the file which was saved previously. Besides, you could reset the current configuration to factory default.

Save Settings to File:

Load Settings from File:

Reset Settings to Default:

Log out

Click the "Apply Change" button to log out the system and save your changes simultaneously.

Logout

This page is used to logout.

Do you want to logout ?

Product Specifications

Standard	IEEE802.3, 10BASE-T IEEE802.3u, 100BASE-TX IEEE802.3x full duplex operation and flow control IEEE802.11b wireless LAN infrastructure IEEE802.11g wireless LAN infrastructure
Interface	1 * LAN port Antenna: 802.11b/g wireless reverse SMA detachable
Cable Connections	RJ-45 (10BASE-T): Category 3,4,5 UTP RJ-45 (100BASE-TX): Category 5 UTP
Network Data Rate	802.11b: 1, 2, 5.5 and 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps
Transmission Mode	Auto-Negotiation (Full-duplex, Half-duplex)
LED indications	1*Power, 1*WLAN, 1*LAN
Security	64/128-bit WEP, WPA(TKIP with IEEE 802.1x), WPA2, AES
Receiver Sensitivity	54Mbps OFDM, 10%PER, -68dBm 11Mbps CCK, 10%PER, -86dBm 1Mbps BPSK, 10%PER, -93dBm
Memory	Flash : 2MB, SDRAM : 8MB
Transmit Power	16dBm~18dBm
Range Coverage	Indoor 30m at 54Mbps Outdoor 61m at 54Mbps.
Emission	FCC CLASS B, CE
Environmental	Operating Temperature: 0° ~ 40°C (32° ~ 104°F) Storage Temperature: -10° ~ 70°C (-14° ~ 140°F) Humidity: 10 ~ 95% RH non-condensing
Power Supply	External Power Adapter, 12VDC/ 1A