802.11b Access Point

User's Guide

FCC Certifications

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 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.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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 RF Radiation Exposure Statement

This device and its antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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 20cm between the radiator and your body.

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

All trademarks and brand names are the property of their respective proprietors.

Specifications are subject to change without prior notification.

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INTRODUCTION

The **Wireless 802.11b Access Point** is an IEEE802.11b compliant access point, which provides a powerful high-speed wireless connection for compatible wireless-enabled devices into the network with the freedom to roam.

This Access Point provides 64/128bit WEP encryption, WPA and IEEE802.1x which ensures a high level of security to protects users' data and privacy. The MAC Address filter prevents the unauthorized MAC Addresses from accessing your Wireless LAN. Your network security is therefore double assured.

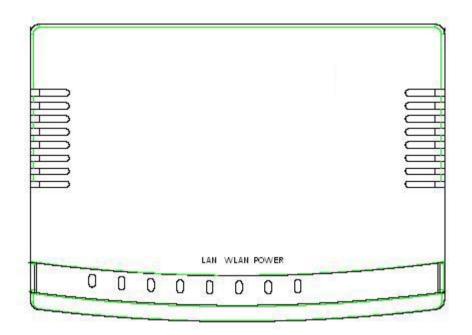
The web-based management utility is provided for easy configuration that your wireless network connection is ensured to be always solid and hassle free.

Features

- Support WPA.
- Support AP client mode.
- Support WDS for bridge mode.
- Support data rate automatic fallback.
- Automatic channel selection.
- Client access control.
- Support 802.1x/Radius client with EAP-MD5, TKIP encryption.
- Support IAPP.
- Adjustable Tx power, Tx rate, and SSID broadcast.
- Allow WEP 64/128 bit.
- Support SNMP v1/v2.
- Web redirection for unauthorized clients.
- Web interface management.
- Support System event log and statistics.
- MAC filtering.

Parts Names and Functions

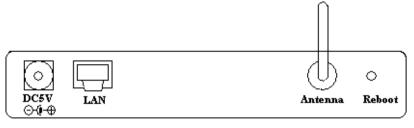
1. Front Panel: (LED Indicators)



LED Indicator	Status	
	<u>Solid</u>	Dim/ Flashing
Power	Turns green when the device is turned on.	Dim when no power is applied.
WLAN	Turns green when this device is connected to a network equipment. The green light will vanish once a wireless LAN card is connected to the device.	is sending/receiving data
LAN	10M:Turns yellow when the LAN port is connected with 10M Ethernet cable. 100M: Turns green when the LAN port is connected with 100M Ethernet cable.	is sending/receiving data

Table 1: LED Indicators

2. Rear Panel: Connection Ports



Port/button	Functions	
DC 5V	Connects the power adapter plug	
LAN	Connects to Ethernet	
ANTENNA	2.5dBi 1/4 dipole antenna with reverse SMA	
	connector	
REBOOT	Use a pin-shape item, for example a pin tip, to press this button to re-boot this device when the device stop working properly.	

Table 2: Connection Ports

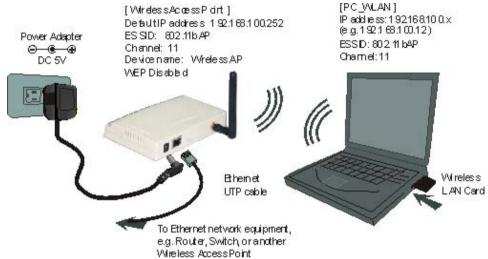
Factory Default Settings

Setting	Wireless Access Point
Device Name	Wireless AP
SSID	Default value: 802.11bAP
Channel	11
WEP	Default value: Disabled
IP Address	192.168.100.252

.

HARDWARE CONNECTION

Note: Before you starting hardware connection, you are advised to find an appropriate location to place the Access Point. Usually, the best place for the Access Point is at the center of your wireless network, with line of straight to all your wireless stations. Also, remember to adjust the antenna; usually the higher the antenna is placed, the better will be the performance.



- 1. **Connect to your local area network:** connect an **Ethernet cable** to the **Ethernet** port of this Wireless Access Point, and the other end to a hub, switch, router, or another wireless access point.
- 2. **Power on the device**: connect the included AC power adapter to the Wireless Access Point's power port and the other end to a wall outlet.
- Configure your PC: Make sure your local PC(s) has wireless network adapter installed.

ABOUT THE OPERATION MODES

This device provides four operational applications with Access Point, Bridge, Client (Ad-hoc) and Client (Infrastructure) modes, which are mutually exclusive.

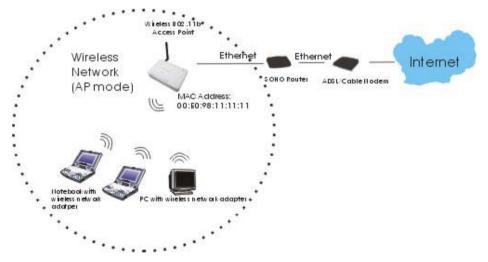
This device is shipped with configuration that is functional right out of the box. If you want to change the settings in order to perform more advanced configuration or even change the mode of operation, you can use the web-based utility provided by the manufacturer as described in the following sections.

Access Point Mode

When acting as an access point, this device connects all the stations (PC/notebook with wireless network adapter) to a wired network. All stations can have the Internet access if only the Access Point has the Internet connection.

See the sample application below.

To set the operation mode to **Access Point**, please go to "Wireless →Basic Settings", in the "Mode" field click the down arrow to select AP mode.



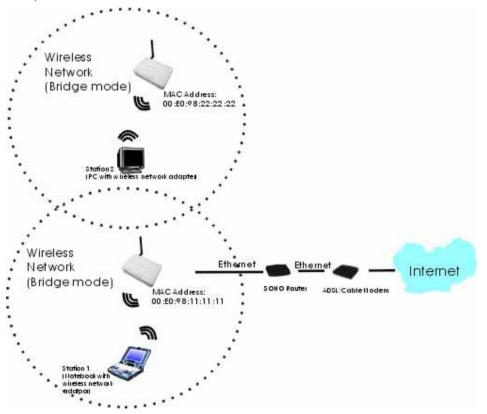
Bridge Mode

Refer to the illustration below. While acting as Bridges, AP1 (with Station 1 being associated to) and AP2 (with Station 2 being associated) can communicate with each other through wireless interface (with WDS). Thus Station 1 can communicate with Station 2 and both Station 1 and Station 2 are able to access the Internet if only AP1 or AP2 has the Internet connection.

To set the operation mode to **Bridge**, please go to "Wireless \rightarrow Basic Settings", in the "Mode" field click the down arrow \checkmark to select AP mode. And go to "Wireless \rightarrow WDS Settings" to enable WDS.

Note:

To act as Bridge, both AP1 and AP2 must have WDS enabled and add each other as its WDS Access Point. (e.g. Add AP2's MAC address to AP1's "WDS AP List" and vice versa)

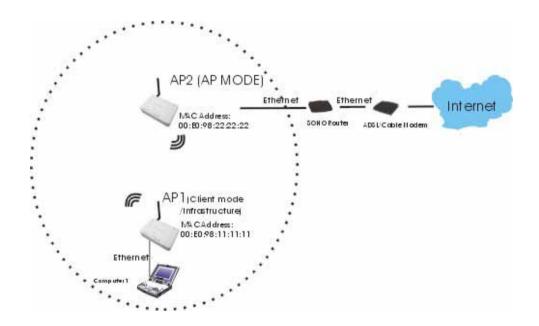


Client Mode (Infrastructure)

If set to Client (Infrastructure) mode, this device can work like a wireless station when it's connected to a computer so that the computer can send packets from wired end to wireless interface.

Refer to the illustration below. This station (AP1 plus the connected computer 1) can associate to another Access Point (AP2), and then can have the Internet access if the other Access Point (AP2) has the Internet connection.

To set the operation mode to Client (Infrastructure), please go to "Wireless →Basic Settings", in the "Mode" field click the down arrow to select Client mode, and then select "Network Type" as "Infrastructure".

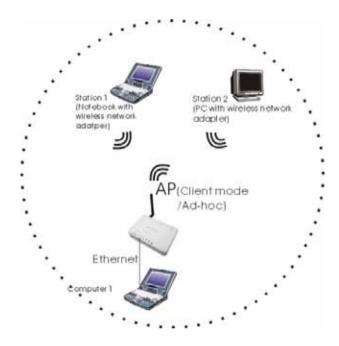


Client Mode (Ad-hoc)

If set to the Client (Ad-hoc) mode, this device can work like a wireless station when it is connected to a computer so that the computer can send packets from wired end to wireless interface. You can share files and printers between wireless stations (PC and laptop with wireless network adapter installed).

See the sample application below.

To set the operation mode to **Client (Ad-hoc)**, please go to "**Wireless →Basic Settings**", in the "**Mode**" field click the down arrow **v** to select **Client** mode, and then select Network Type as "**Ad-hoc**".



CONFIGURATION

Login

- Start your computer. Connect an Ethernet cable between your computer and the Wireless Access Point.
- Make sure your wired station is set to the same subnet as the Wireless Access Point, i.e. 192.168.100.12.
- 3. Start your WEB browser. In the *Address* box, enter the following:

HTTP://192.168.100.252

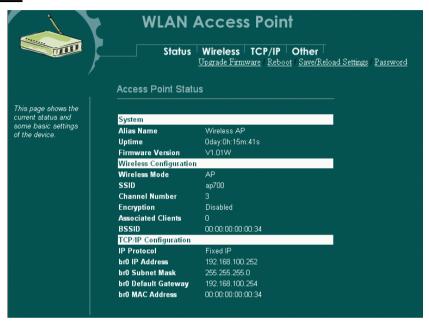


The configuration menu is divided into four categories: **Status**, **Wireless**, **TCP/IP**, and **Other settings**. Click on the desired setup item to expand the page in the main navigation pane. The setup pages covered in this utility are described below.

Status

In this screen, you can see the current settings and status of this Access Point. You can change settings by selecting specific tab described in below.

System



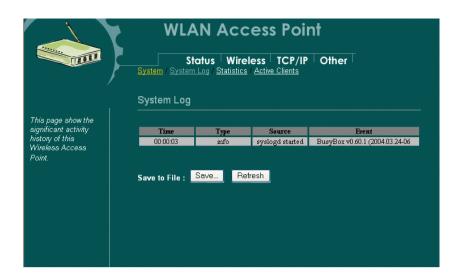
System	
Alias Name	You can assign a unique name to this Access
	Point. The alias name is especially important
	for identification when there are more than
	one Access Point is applied in a network.
Uptime	The time period since the device was up.
Firmware Version	The current version of the firmware installed
	in this device.
Wireless Configuration	
Wireless Mode	There are four modes supported, Access
	Point, Client (Ad-hoc and Infrastructure),
	and Bridge. The default mode is Access
	Point. If you want to change to bridge
	mode, please go to Wireless/WDS Setting
	to enable the WDS function.
SSID	The SSID differentiates one WLAN from
	another, therefore, all access points and all
	devices attempting to connect to a specific

	WLAN must use the same SSID. It is case-
	sensitive and must not exceed 32 characters.
	A device will not be permitted to join the
	BSS unless it can provide the unique SSID.
	An SSID is also referred to as a network
	name because essentially it is a name that
	identifies a wireless network.
Channel Number:	The number of channels supported depends
	on the region of this Access Point. All
	stations communicating with the Access
	Point must use the same channel.
Encryption	WEP Encryption (Wired Equivalent
	Privacy) is set to Disabled by default. When
	WEP is enabled, data packet is encrypted
	before being transmitted. The WEP prevents
	data packets from being eavesdropped by
	unrelated people. By using WEP data
	encryption, there may be a significant
	degradation of the data throughput on the
	wireless link.
Associated Clients	Displays the total number of clients
	associated to this AP. You can have up to 64
	clients to associate to this Access Point.
BSSID	BSSID displays the ID of current BSS,
	which uniquely identifies each BSS. In AP
	mode, this value is the MAC address of this
	Access Point.

TCP/IP Configuration		
IP Protocol	Display the method to get the IP of this AP, which could be obtained by Fixed-IP or DHCP-client.	
br0 IP Address	Current IP address for this Access Point	
br0 Subnet Mask	Current Subnet mask for this Access Point	
br0 Default Gateway	Default Gateway for this Access Point	
br0 MAC Address	The MAC Address for this Access Point	

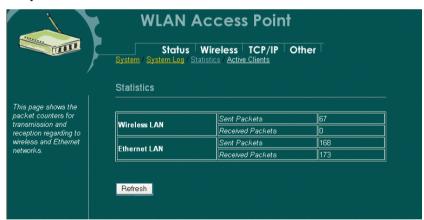
System Log

This page display log events with time when events happened, log events' types, log sources and the description for events themselves. System manager can use the system log to trace when problems occur.



Statistics

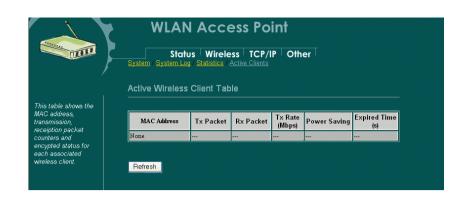
The Statistics table shows the packets sent/received over wireless and ethernet LAN respectively.



Active Clients

This page display wireless stations that are associated to this Access Point, with information of their MAC addresses, transmitted/received packets, transmitting rate, power saving mode, and expired time.

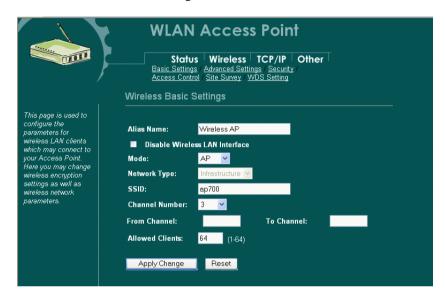
Press Refresh to get the latest information.



Wireless

Basic Settings

This page includes all primary and major parameters. Any parameter change will cause the device to reboot for the new settings to take effect.



Alias Name:	Maximum 32 characters alpha-numeric You	
	can assign a unique name to this Access	
	Point. The alias name is especially useful for	
	identification when there are more than one	
	Access Point is applied in a network.	
☐ Disable Wireless LAN Interface:	Check the box to disable the Wireless LAN	
	Interface, by so doing, you won't be able to	
	make wireless connection with this Access	
	Point in the network you are located. In	
	other words, this device will not be visible	
	by any wireless station.	
Mode:	This Wireless Access Point can support four	
	modes AP, Client (Ad-hoc), Client	
	(Infrastructure), and Bridge.	
	The default is set to AP mode. In the	
	"Mode" field Click the pull down arrow ▼	
	then you can change it to Client mode.	
	To change to Bridge mode, you will have to	
	set to AP mode, and go to Wireless/WDS	
	setting to enable WDS.	
	15	

Network Type:	When in Client mode, you can select
• •	between Ad-Hoc and Infrastructure.
SSID:	The SSID differentiates one WLAN from
	another, therefore, all access points and all
	devices attempting to connect to a specific
	WLAN must use the same SSID. It is case-
	sensitive and must not exceed 32 characters.
	A device will not be permitted to join the
	BSS unless it can provide the unique SSID.
	An SSID is also referred to as a network
	name because essentially it is a name that
	identifies a wireless network.
Channel Number:	Allow user to set the channel manually or
	automatically.
	If set channel manually, just select the
	channel you want to specify.
	If "Auto" is selected, user can set the
	channel range to have Wireless Access Point
	automatically survey and choose the channel
	with best situation for communication.
	The number of channels supported depends
	on the region of this Access Point. All
	stations communicating with the Access
	Point must use the same channel.
From Channel: ☐ To Channel: ☐	When select "Auto" in "Channel Number,
	you have to set a range of channels for the
	Access Point to automatically survey and
	choose the channel for optimal performance.
Allowed Clients	Enter a number ranging from 1 to 64.
Apply Change	Press to save the new settings on the screen.
Reset	Press to discard the data you have entered

Advanced Settings

It is not recommended that settings in this page to be changed unless advanced users want to change to meet their wireless environment for optimal performance

since last time you press Apply Change.



Authentication Type

To provide a certain level of security, the IEEE 802.11 standard has defined two types of authentication methods, Open System and Shared Key. With Open System authentication, a wireless PC can join any network and receive any messages that are not encrypted. With Shared Key authentication, only those PCs that possess the correct authentication key can join the network. By default, IEEE 802.11 wireless devices operate in an Open System network.

Wired Equivalent Privacy (WEP) data encryption is used when the wireless devices are configured to operate in Shared Key authentication mode.

If the Access Point is using "**Open Authentication**", then the wireless adapter will need to be set to the same authentication mode.

Shared Authentication is used when both the sender and the recipient share a secret key.

Select **Auto** for the network adapter to select the Authentication mode automatically depending on the Access Point Authentication mode.

E	Encourantation manhanism is used for immuning the
Fragment Threshold	Fragmentation mechanism is used for improving the
	efficiency when high traffic flows along in the wireless
	network. If your 802.11g Wireless LAN PC Card often
	transmit large files in wireless network, you can enter new
	Fragment Threshold value to split the packet. The value
	can be set from 256 to 2346. The default value is 2346 .
RTS Threshold	RTS Threshold is a mechanism implemented to prevent the " Hidden Node " problem. "Hidden Node" is a situation in which two stations are within range of the same Access Point, but are not within range of each other. Therefore, they
	are hidden nodes for each other. When a station starts data transmission with the Access Point, it might not notice that the other station is already using the wireless medium. When these two stations send data at the same time, they might collide when arriving simultaneously at the Access Point. The collision will most certainly result in a loss of messages for both stations.
	Thus, the RTS Threshold mechanism provides a solution to prevent data collisions. When you enable RTS Threshold on a suspect "hidden station", this station and its Access Point will use a Request to Send (RTS). The station will send an RTS to the Access Point, informing that it is going to transmit the data. Upon receipt, the Access Point will respond with a CTS message to all station within its range to notify all other stations to defer transmission. It will also confirm the requestor station that the Access Point has reserved it for the time-frame of the requested transmission.
	If the "Hidden Node" problem is an issue, please specify the packet size. <i>The RTS mechanism will be activated if the data</i> size exceeds the value you set. The default value is 2347 .
	Warning: Enabling RTS Threshold will cause redundant network overhead that could negatively affect the throughput performance instead of providing a remedy.
	This value should remain at its default setting of 2347 . Should you encounter inconsistent data flow, only minor modifications of this value are recommended.
Beacon Interval	Beacon Interval is the amount of time between beacon
	transmissions. Before a station enters power save mode, the
	station needs the beacon interval to know when to wake up
	to receive the beacon (and learn whether there are buffered
	frames at the access point).
DTIM Period	DTIM stands for Delivery Traffic Indication Message . A
	DTIM is a countdown field informing clients of the next
	2 1111 15 a countdown field informing chemis of the flext

	window for listening to broadcast and multicast messages.
	When the access point has buffered broadcast or multicast
	message for associated clients, it sends the next DTIM with
	a DTIM Period value. Access point clients hear and awaken
	to receive the broadcast and multicast messages. The default
	DTIM period is '3'.
Data Rate	By default, the unit adaptively selects the highest possible
	rate for transmission. Select the basic rates to be used among
	the following options: Auto, 1, 2, 5.5, or 11 Mbps. For most
	networks the default setting is Auto which is the best
	choice. When Auto is enabled the transmission rate will
	select the optimal rate. If obstacles or interference are
	present, the system will automatically fall back to a lower
	rate.
Preamble Type	A preamble is a signal used in wireless environment to
	synchronize the transmitting timing including
	Synchronization and Start frame delimiter. In a "noisy"
	network environment, the Preamble Type should be set to
	Long Preamble. The Short Preamble is intended for
	applications where minimum overhead and maximum
	performance is desired. If in a "noisy" network environment,
	the performance will be decreased.
Broadcast SSID	Select enabled to allow all the wireless stations to detect the
	SSID of this Access Point.
IAPP	To enable IAPP means that Access Points will communicate
	across the backbone network, so that mobile stations can
	roam between them.

Apply Change	Press to save the new settings on the screen.
Reset	Press to discard the data you have entered since last time
	you press Apply Change.

Security

Here you can configure the security of your wireless network. Selecting different method will enable you to have different level of security. Please note that by using any encryption, by which data packet is encrypted before transmission to prevent data packets from being eavesdropped by unrelated people, there may be a significant degradation of the data throughput on the wireless link.

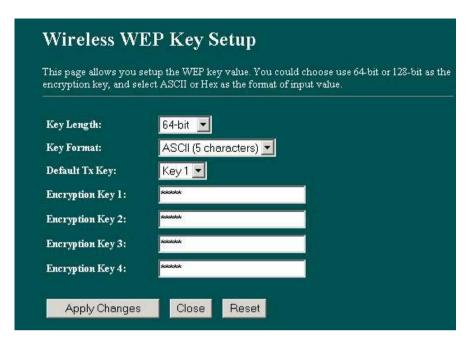
Encryption : None (Encryption is set to None by default.)

- If None is selected, you can still select to Use 802.1x Authentication and Enable MAC Authentication.
- To Enable MAC Authentication means to use client MAC address for authentication with RAIDUS server
- If both Use 802.1x Authentication and Enable MAC Authentication are selected, the RADIUS Server will check MAC Authentication first; if the MAC Authentication passes, the 802.1x Authentication will be skipped. If not, the RADIUS Server will proceed to check the 802.1x Authentication.



Encryption: WEP

If **WEP** is selected, users will have to **Set WEP keys** either manually, or select to **Use 802.1x** to make the RADIUS server to issue the WEP key dynamically.



Set WEP key	 Click the Set WEP Keys will prompt you a
	window to set 64bit or 128bit Encryption.
	■ Select HEX if you are using hexadecimal
	numbers (0-9, or A-F). Select ASCII if you are
	using ASCII characters (case-sensitive).
	 Ten hexadecimal digits or five ASCII
	characters are needed if 64-bit WEP is used;
	26 hexadecimal digits or 13 ASCII characters
	are needed if 128-bit WEP is used.
Use 802.1x	■ If Use 802.1x is selected, then the Set WEP
Authentication	Key won't be usable.
	■ If Use 802.1x is selected, the Enable RADIUS
	Client will be automatically selected too.
	If Use 802.1x is selected and "WEP" is selected
	in Encryption field, then the authentication
	mechanism to the RADIUS Server will be TTLS.

Encryption: WPA

WPA: If **WPA** is selected, users will have to select the Authentication modes between **WPA-RADIUS** and **Pre-shared Key**, both modes need to have **TKIP** selected. (*AES is not functional at present.*)

Pre-shared Key	Pre-Shared-Key serves as a password.	Users may key in a 1
	to 63 characters string to set the passwo	ord or leave it blank, in

			which the 802.1x Authentication will be activated. Make sure
			the same password is used on client's end.
			There are two formats for choice to set the Pre-shared key, i.e.
			Passphrase and Hex. If Hex is selected, users will have to
			enter a 64 characters string. For easier configuration, the
			Passphrase format is recommended.
Group	Key	Refresh	Enter the number of seconds that will elapse before the group
Time	•		key change automatically. The default is 300 seconds.



Apply Change	Press to save the new settings on the screen.
Reset	Press to discard the data you have entered since last time you
	press Apply Change.

Access Control

When **Enable Wireless Access Control** is checked, only those clients whose wireless MAC addresses listed in the access control list can access this Access Point. If the list contains no entries with this function being enabled, then no clients will be able to access this Access Point.

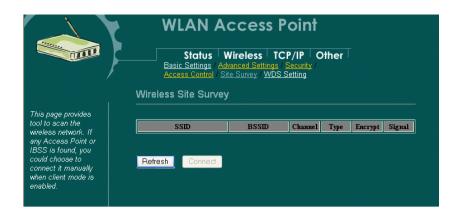


☐ Enable Wireless Access	Check the checkbox to enable this function.
Control	
MAC Address	Enter the MAC Address of a station that is allowed to access
	this Access Point.
Comment	You may enter up to 20 characters as a remark to the
	previous MAC Address.
Apply Change	Press to save the new settings on the screen.
Reset	Press to discard the data you have entered since last time
	you press Apply Change.
Delete Selected	To delete clients from access to this Access Point, you may
	firstly check the Select checkbox next to the MAC address
	and Comments, and press Delete Selected .
Delete All	To delete all the clients from access to this Access Point,
	just press Delete All without selecting the checkbox.
Reset	If you have made any selection, press Reset will clear all the
	select mark.

Site Survey

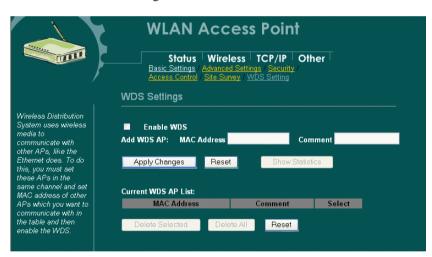
Site survey displays all the active Access Points and IBSS in the neighborhood. When you are in the client mode, you can select one AP to associate.

Press **Refresh** to get the latest information.



WDS Setting

To enable WDS function will let this AP enter "Bridge Mode". Two APs in bridge modes can communicate with each other through wireless interface. That is, two stations associated to different AP in bridge mode can communicate with each other.



☐ Enable WDS	Check the checkbox to enable WDS.	
Add WDS AP	Enter the MAC Address for the new Access Point to	
MAC Address	participate the WDS with this Access Point.	
Apply Change	Press to save the new settings on the screen.	
Reset	Press to discard the data you have entered since last time	
	you press Apply Change.	
Current WDS AP List	The added Access Points for participating WDS with this	
	Access Point are shown.	
Delete Selected	You can delete the WDS Access Points listed above by	
	marking the checkbox.	

	You can delete all of the WDS Access Points listed above.	
Reset	Press to discard the data you have entered since last time	
	you press Apply Change.	

TCP/IP

Basic

In this page, you can change the TCP/IP settings of this Access Point, select to enable/disable the DHCP Client, 802.1d Spanning Tree, and Clone MAC Address.



IP Address	This field can be modified only when DHCP Client is disabled.
	If your system manager assigned you static IP settings, then you
	will have to enter the information provided.
Subnet Mask	Enter the information provided by your system manager.
Default Gateway	Enter the information provided by your system manager.
DHCP Client	To enable the DHCP Client will let the Access Point obtain
	IP address automatically from DHCP Server in the network.

802.1d	To enable 802.1d Spanning Tree will prevent the network
Spanning Tree	from infinite loops. Infinite loop will happen in the network
	when WDS is enabled and there are multiple active paths
	between stations.
	1
	• Wireless Computer 2
	Network Ethernet
	(Bridge mode)
	MAC Address: 00:E0:98:22:22:22
	802.1d Spanning Tree must be enabled.
	Undesired loop
	`.
	Station 2 (PC with wireless network adapter)
	(FC Will Wileless Helwolk ddupler)
	• Wireless
	· Network
	: (Bridge mode) Ethernet
	MAC Address: 00:E0:98:11:11:11
	802.1dSpanning Tree must be enabled.
	· •
	·
	Staffion 1
	(Notebook with wireless network
	gdafpor)

Clone MAC Address	You can specify the MAC address of your Access	
	Point to replace the factory setting.	
Web Server Port:	The web server provides the configuration service to	
	manage this Access Point. Generally the web server	
	port is set to 80. You can change it in this field.	
Apply Change	Press to save the new settings on the screen.	
Reset	Press to discard the data you have entered since last time	
	you press Apply Change.	

Web Redirection

If "Web Redirection" is enabled, unauthorized clients associating to this AP will be redirected to the specified "Redirection URL" when they are trying to access the Internet



Web Redirection	Click the "Enable/Disable" radio button to enable/disable the function of "Web Redirection".
Redirection URL	This URL (Universal Reference Locator) must be a complete one, which means you can not leave out URL protocol - http://www.mycompany.com . Or the web redirection will not work properly.
Open Address 1	The IP address for the URL you entered in the previous field.
Open Address 2	The IP address for your ISP's DNS.
Open Address 3 Open Address 4	Other open IP address allowed to be connected to.
Apply Change	Press to save the new settings on the screen.
Reset	Press to discard the data you have entered since last time you press Apply Change.

SNMP

SNMP is an application-layer protocol widely used to facilitate the exchange of management information between network devices. By using SNMP-transported data, network administrators can more easily manage network performance, find and solve network problems, and plan for network growth.



SNMP Setup

C	Cl' -1 - 4 1' - 1
Server	Click the radio button to enable/disable the SNMP
	server. You have to enable this function first to set
	the following settings.
Trust Host IP	Enter the IP address of the NMS (Network
	Monitoring Stations). The NMS is the only host PC
	that is allowed to access this AP. If this filed is left
	blank, it means that every host PC is allowed to
	access the AP if only its "Community string" is
	correct.
Trust Trap IP	Enter the IP address of the SNMP Trap Receiver.
	Leave it blank to disable the SNMP trap function.
Agent Port	Enter the SNMP listening port.
Read Community	Enter the communicty string for the NMS to read only this
·	AP's MIB.
Write/ReadCommunity	Enter the communicty string for the NMS to read/write this
, , , , , , , , , , , , , , , , , , ,	AP's MIB.
Trap Port	Enter the remote Trap Receiver port.
Trap Community	Enter a trap community string that is used as a
- Lap Community	password for the Trap Receiver.
Trap Version	SNMP Trap version 1 and 2 are both supported. Select
	your preference.

Trap Activity

Sent on redirect	Send a trap to the Trap Receiver (already defined in the
Sent on redirect	• • • • • • • • • • • • • • • • • • •
	Trust Trap IP) when a station (wireless client) is
	redirected to the default web site.
Sent on Auth Success	Send a trap to the Trap Receiver (already defined in the
(Authorization success)	Trust Trap IP) when a station (wireless client) gets
	authorization from the 802.1x server (or RADIUS server).
Sent on Auth Failure	Send a trap to the Trap Receiver (already defined in the
(Authorization failure)	Trust Trap IP) a wireless client fails to get authorization
	from the 802.1x server (or RADIUS server).
Sent WEP key failure	Send a trap to the Trap Receiver (already defined in the
	Trust Trap IP) when a wireless client fails to associate to
	the AP because of wrong WEP keys.
Sent on acct failure	Send a trap to the Trap Receiver (already defined in the
	Trust Trap IP) when the accounting server of a wireless
	client is invalid or fails.
Sent on boot	Send a trap when the AP has booted.
Sent on reboot	Send a trap when the AP is asked to reboot itself.
Sent on web start	Send a trap once the AP web server is ready for use.

Other

Upgrade Firmware



- Download the latest firmware from your distributor and save the file on the hard drive.
- Start the browser, open the configuration page, click on Other, and click Upgrade Firmware to enter the Upgrade Firmware window. Enter the new firmware's path and file name (i.e. C:\FIRMWARE\firmware.bin). Or, click the Browse button, find and open the firmware file (the browser will display to correct file path).
- 3. Click **Reset** to clear all the settings on this page. Or click **Upload** to start the upgrade.

Reboot

Click "Reboot" button to do warm system reboot of this device.



Save/Reload Settings



This function enables users to save the current configurations as a file (i.e. **config.dat**) To load configuration from a file, enter the file name or click **Browse...** to find the file from your computer.

Save Settings to File: Click **SAVE...** to save the current configuration to file.



When prompted the upper left screen, select "Save this file to disk", and the upper right screen will prompt you a dialog box to enter the file name and the file location.

Load Settings From File: Click **Browse...** if you want to load a pre-saved file, enter the file name with the correct path and then click on **Upload**. Or click **Browse...** to select the file.



Reset: Click to restore the default configuration.

Password

For secure reason, it is recommended that you set the account to access the web server of this Access Point. Leaving the user name and password blank will disable the protection. The login screen prompts immediately once you finish setting the account and password. Remember your user name and password for you will be asked to enter them every time you access the web server of this Access Point.



User Name	Enter your new user name to access the web server. User
	name can be up to 30 characters long. User name can contain
	letter, number and space. It is case sensitive.
New Password	Set your new password. Password can be up to 30 characters
	long. Password can contain letter, number and space. It is case
	sensitive.
Confirm Password	Re-enter the new password for confirmation.
Apply Change	Press to save the new settings on the screen.
Reset	Press to discard the data you have entered since last time you
	press Apply Change.