WL – 8005 AP/AP Client

User Manual



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1. Overview

1.1. Product Feature

- Complies with the IEEE 802.11b/g 2.4 GHz (DSSS) standard.
- High-Speed data transfer rate up 54Mbps.
- Support 64/128-bit WEP Data Encryption function for high level security.
- Supports the most popular operating system: Windows 98SE/ME/2000/XP/Vista
- More Portable and mini-size design.
- Suitable for any Notebook or PC
- Easy and convenient setup tool (In AP Client Mode).



2. WL – 8005 Setting

The **WL-8005** has two kinds of method to settings. In capture 2.1, we show how to setup **WL-8005** by web browser. And capture 2.2 explain how to use **WL - 8005 Tool** to setup **WL-8005**(*But in this version's firmware. It's only can used in AP Client Mode*).

2.1. Setup WL - 8005 by Web Browser

Open web browser and entry The WL-8005 default IP address (192.168.1.10).



Figure 2.1.1

After you entry default IP address, please press enter to login WL-8005 setting page.

🗿 我不到伺服器 - Microsoft Internet Explorer		_ 🗆 🗙
檔案 E 編輯 E 檢視 (Y) 我的最愛 (A) 工具 (I) 說明(田)	
③上—頁 - 🕥 - 💽 🛃 🏠 🔎 搜	尋 🧙 我的最爱 🧭 🔗 - 嫨 🔟 - 📙 鑬	
網址 🛛 🙋 192.168.1.10	💟 🄁 移至	連結 🎽 👘 🚽
	到 192.168.1.10 Pech 用者名稱(U): 集(P): ************************************	

Figure 2.1.2

The default username and password: Username: admin Password: admin



You can see five select to set the WL-8005.

In Simple Setup page, please accord to the rules with your wireless settings.

Simple Setup	Security Setup	Site Survey	Firmware Upgrade	AP Mode		
Wireless Interface						
Service Set ID (SSID)	Any				
Second SSID		Any				
Operation Mode		 Infrastructur 	re 🔘 Ad-hoc			
Radio Preamble		Auto Select 🔽				
RF Channel		Automatic 🔽				
Station Mode		BG Auto 💌				
Rate Selection		Auto 🔽				
Minimum speed limit		Disable 🖌				
Fragmentation Thresh	rold	2346 bytes (2562346)				
Ethernet Interface						
Single Client Mode:		💿 Enable 🔘 D	isable			
MAC Cloning Mode		🔘 Enabled 💿 I	Disabled			
DHCP Relay		💿 Enabled 🔘 I	Disabled			
◯ Enable DHCP						
⊙ Use the following	IP address:					
IP Address		192 , 168	, 1 , 10			
Subnet Mask		255 , 255	, 255 , 0			
Default Gateway		192 . 168	, 1 , 10			
Apply		Peeto				

Figure 2.1.3 Simple Setup pages.

In Security Setup page, please accord to the rules with your wireless security settings.

Simple Setup	Security Setup	Site Survey	Firmware Upgrad	e AP Mode
WEP Encryption		Required 🖌		
Authentication Type		Open System 🐱		
Transmit WEP Key		Key 1 🐱		
WEP Key Size		104 bits 🔽		
WEP Key 1		111111111111111111111111111111111111111	111111	
WEP Key 2		222222222222222222222222222222222222222	222222	
WEP Кеу З		3333333333333333333333333	333333	
WEP Key 4		444444444444444444444444444444444444444	44444	
(Enter 10 hexadec	imal digits for 40 bi	t key, 26 hexadecim	nal digits for 104 bit k	ey)
WPA Mode		Disabled 🖌 🗸		
Data Encryption		TKIP 🗸		
Pass Phrase		sololololololok		

Figure 2.1.4 Security Setup pages



In the *Site Survey* page you can see how many Router/AP in this environment.

Simple Setup	Security Setup	Site Surve	y y	Firmware U	pgrade	AP Mode
Station Status						
Connected SSID:	Any					
Operating Mode:	Infrastru	cture (Scannin	g)			
Using Wep Key:	Open Sys	stem : 128-bits	Wep Key	1 Lock		
MAC Address:	00-15-af-	-ff-00-50				
Connected MAC Addre	ss: 00-00-00	-00-00-00				
Site Survey						
No SSID	BSSID	Channel	AP	Mode	Security	Strength
O WLAN	00-30-95-fe-54-10	e 6	Yes	G	WEP	2
0	00-16-e6-3c-bb-3	<mark>5</mark> 6	Yes	G	WEP	16
	00-0d-0b-5e-b8-c	2 1	Yes	G	OPEN	0

Figure 2.1.5 Security Setup pages

And you can do firmware upgrade in the Firmware Upgrade page.

Simple Setup	Security Setup	Site Survey	Firmware Upgrade	AP Mode	
Firmware Upgrade					
Product ID:	DeskBridge				
Firmware Version:	3.06.1167ts 2007 0)5 11			
Regulation Domain:	0x30 ETSI(Europe)	·			
New Firmware File:		瀏覽	Upgrade		
Setting Mangement					
New Password:		(1	-31 characters)		
Confirm New Passwor	d:	(1	-31 characters)		
Launch	Re	set	Restore		

Figure 2.1.5 Security Setup pages



The last choose with *AP Mode*, you can use this choose to change **WL-8005** working type. The **WL-8005** default setting is working in *Client Mode*. So the last choose is "*AP Mode*". When you select this choose, it will change to *Reboot Page* to request reboot device. After reboot, the **WL-8005** will change working type to *AP Mode*. In this time the last choose will change to *Client Mode*. You can do opposite process to change back *Client Mode*.

Example 2.1.1: AP Client Mode to AP Mode

Simple Setup	Security Setup	Site Survey	Firmware Upgrade	AP Mode
		Û		
AP Nee	ds to R	eboot		
Please click the Rebo You will need to refre	ot button and then close sh the page manually af	your browser ter the AP rebooted	itself	
Reboot				
		Ũ		
Simple Setup	Security Setup	Site Survey	Firmware Upgrade	Client Mode

Example 2.1.1: AP Mode to AP Client Mode

Simple Setup	Security Setup	Site Survey	Firmware Upgrade	Client Mode
		Ţ		
AP Nee	eds to R	eboot		
Please click the Rebo You will need to refre	ot button and then close sh the page manually a	e your browser fter the AP rebooted	itself	
Reboot				
		\bigcup		
Simple Setup	Security Setup	Site Survey	Firmware Upgrade	AP Mode



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Tel. NO.: 886-2-27978836 Fax. NO.: 886-2-27977358

3. WL – 8005 Tool

The **WL** – **8005 Tool** is an easy and convenient setup tool. But in this version, it can only use the **WL-8005** at *Client Mode*.

WL-8005 Tool	\mathbf{X}							
🖉 🔳 🔕 😤 👆	224							
Wireless Settings LAN Settings	Wireless Settings LAN Settings Security Device Info							
Device Mode	AP Mode C Client Mode							
Service Set ID (SSID)								
Second SSID								
Operation Mode	Infrastructure C Ad-hoc							
Radio Preamble 🛛	•							
RF Channel	•							
Station Mode	•							
Minimum speed limit 🛛	•							
Fragmentation Threshold								

Figure 3.1 WL-8005 Tool

Attention:

Before you start using this tool, you maybe have something need to check first. You must check the **WL – 8005** is working in **Client Mode**. Next, if you link to **WL – 8005** need to pass through a router. You must to ascertain the router can't to block **broadcast packet**.



3.1. Using WL – 8005 Tool

Please press Search button to search WL - 8005 device and wait the progress bar end.

WL-8005 Tool		WL-8005 Tool
Search Wireless Settings LAN Settings Security Device Info		Image: Second Angle Second
Device Mode C Client Mode		Device Mode C Client Mode
Service Set ID (SSID)		Service Set ID (SSID)
Second SSID		Second SSID
Operation Mode G Infrastructure C Ad-hoc		Operation Mode Infrastructure C Ad-hoc
Radio Preamble 💽		Radio Preamble
RF Channel		RF Channel 💌
Station Mode		Station Mode
Minimum speed limit		Minimum speed limit
Fragmentation Threshold		Fragmentation Threshold
]	

After search, the WL – 8005 Tool will pop list window.

WL-8005 Tool Search List wi	ndow		
MAC Address	IP Address	Device Name	Firmware Version
00.15.AF.FF.00.50	192.168.1.10	HLTech	3.06.1167ts
		Selec	t Cancel Site Survey

The list window will list all WL – 8005 device on the network. You can use double click or press Select button to select device.



You should entry password after you select device.

WL-8005 Tool Search L	ist window		
MAC Address	IP Address	Device Name	Firmware Version
00.15.AF.FF.00.50	192.168.1.10	HLTech	3.06.1167ts
			Select Cancel Site Survey

If the password is right with your enter. The **WL – 8005 Tool** will show all **WL – 8005** device settings.

WL-8005 Tool	
🛩 🔳 🔕 🖤 💊	22 4
Wireless Settings LAN Settin	gs Security Device Info
Service Set ID (SSID)	Any
Second SSID	Any
Operation Mode	Infrastructure C Ad-hoc
Radio Preamble	Auto
RF Channel	Channel 1
Station Mode	BG Auto
Minimum speed limit	Disable
Fragmentation Threshold	
2.06.1167to	



In your setting, you can use **Site Survey** button to search how many wireless access point in this environment.

WL-8005 Tool								
Image: State Survey Image: State Survey Site Survey [Wireless Settings] LAN Settings Security								
WL-8005 Tool Search List window								
SSID	BSSID	Channel	AP	Mode	Security	Strength		
WLAN 000D085E88C2 apticon WIFLY eagroup AudixHQ Shany-Office DINLING ReticorpA IDT Back IDT Front LKENG	00.16.E6.3.C.B., 00.30.95.FE.54., 00.0D.08.5E.B., 00.0F.6A.D6.B., 00.17.D1.FE.8., 00.13.46.2D.F., 00.17.D1.FE.8., 00.17.D1.FE.8., 00.11.95.88.2B., 00.0D.54.9E.0., 00.14.7C.4D.2., 00.0D.08.04.0., 00.11.95.D9.4., 00.13.D4.68.D.,	6 6 1 11 2 6 2 6 2 6 2 4 6 6 10 10 11	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	WEP WEP OPEN WPA OPEN WEP WEP	35 33 27 7 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0		
					Select	el Site Survey		

If you select any AP, the **WL** – **8005 Tool** will auto change the main window's SSID. It will change the same with your select.

The last steps please press **Apply** button. **WL** – **8005 Tool** can auto send all settings to you select **WL** – **8005** device in early.



If sent setting to **WL – 8005** device was success. The **WL – 8005 Tool** will show a message box.

Finish 🚺	<
Send Finish.	
確定	

And in this time, WL - 8005 will reboot. When you close this message box, the WL - 8005 Tool will to get WL - 8005 settings again. You can double check your settings in this time.

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 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 installation. , May cause harmful interference to radio communication. 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

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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 ser 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 .