STEP8: Click "Properties" and then click "OK" button.

ssociation	Authentication	Connection	
Network <u>n</u> a	ame (SSID):	AP1	
Wireless	network key		
This netv	vork requires a ke	y for the following:	
Network	Authentication:	Open	~
<u>D</u> ata end	cryption:	Disabled	~
Network	<u>k</u> ey.		
C <u>o</u> nfirm r	etwork key:	-	
Key inde;	(advanced):	1	
The k	ey is provided for	me automatically	
This is a access	a gomputer-to-con points are not use	nputer (ad hoc) network; wir	eless

**STEP9:** After filling appropriate value, click "**OK**" button. And the status will prompt up as below.



**STEP10**: Click the Ralink's icon will bring up RaUI main window. User can find the surrounding APs in the list. The current connected AP will also shown with the green icon indicated as below screen. User may user the available tab to configure more advanced features provided by Ralink's wireless NIC.

🞼 RaUI								×
Profile	La Network	Advanced	Statistics	WAWA	() WPS	Radio On/Off	R	•
Sorted by >>	SSID	Channe	l 🌘	Signal		Show dBm		
Chinan 28/04D		内44		049Y				~
_Shiang_2660AP				01%				-
aaa		<b>4</b> 3		55%				
AlbertY-200		6	69 1	76%				
AP		101	<b>b9</b> 1	55%				
AP1		<b>1</b> /26	<b>b</b> 9	100%				
APPA		6	690	70% 💼				
asus		11	<b>B9</b>	81%				-
Broadcom		11	<b>B9</b>	81%				
Buffalo 54		11	<b>Bg</b>	76%				
Cobra		106	69 1	<b>3</b> 4% 💼				~
Rescan	Connect	Add to Profile						
Status >	> AP1 <> 00-03-7F-	00-D7-A4			Link Q	uality >> 100%		
Extra Info >	> Link is Up [TxPowe	er: 100%]			Signal Str	ength 1 >> 100%		
Channel >	> 6 <> 2437000 MH	Iz			Signal Str	ength 2 >> 100%		
Authentication >	> Unknown				Signal Str	ength 3 >> 100%		
Encryption >	> None				Noise S	trength >> 26%		
Network Type >	> Infrastructure			Transmit				
IP Address >	> 192.168.5.40			Link Speed >>	54.0 Mbps	Max		
SUD MdSK P	> 200.200.200.0			Throughput >>	0.000 Mbps	0.104		
Deradic Gatemay >	HT					Mbps		
				Receive	54.0 Uhra	Max		
BW >> n/a		SNR0 >> n/a		Throughput >>	0.008 MPD2			
GI >> n/a	MCS >> n/a	SNR1 >> n/a		inroughput >>	0,070 MUD2	35.746 Mbps		

### 3.1.1 Start

When starting RaUI, system will connect to the AP with best signal strength without setting profile or matching profile setting. It will issue a scan command to wireless NIC. After two seconds, the AP list will updated with the result of BSS list scan. The AP list include most used fields, such as SSID, network type, channel used, wireless mode, security status and signal percentage. The arrow icon indicates the connected BSS or IBSS network.

RaUI									
e Pro	ofile	↓ <b>↓↓</b> Network	Advanced	Statistics	www.	<b>Ø</b> WPS	Radio On/Off	RAbout	
Sorted by >>	0	SSID	🙆 Channe	l 🖉	) Signal		Show dBm		
Shippa 2	940.40		<b>以</b> 11		Q197			_	~
2	OUDAP		<b>1</b>		559				_
	00		■3 広/		JJ.6				
Albert 1-2	00		<u>د</u> ه		/0.0				
AP			60 I		00%				
P AP1			606 14	D y	100%				
АРРА			6	D U	/0%				
asus			611	P A	81%				
Broadcom	n		611	Ьg	81%				
Buffalo 54	1		611	p d	76%				
Cobra			<b>1</b> /26	<b>bg</b> 7	34%				~
Rescan	and the second	Connect	Add to Profile						
st	atus >> AP:	'1 <> 00-03-7F-	00-D7-A4			Link	Quality >> 100%		
Extra	Info >> Lii	nk is Up [TxPowe	r:100%]			Signal	Strength 1 >> 60%		
Cha	annel >> 6	<> 2437000 MH	z			Signal :	Strength 2 >> 100%		
Authentica	ation >> Ur	iknown				Stgnal	Strength 3 >> 50%		
Network	Type >> In	ne frastructure				Noise	Strength >> 26%		
IP Add	tress >> 19	2.168.5.113			Tran	link Speed >> E4.0	Max Max		
Sub	Mask >> 25	5.255.255.0				Throughput >> 0.00	) Mbps		
Default Gate	eway >> 19	2.168.5.254				0.111 0.000	0.019 Mbps		
		HT			Rece	eive	MODS		2
BW >> n/a	1		SNR0 >> n/a			Link Speed >> 54.0	Mbps Max		
GI >> n/a	i i	MCS >> n/a	SNR1 >> n/a		1	(hroughput >> 0.014	4 Mbps 0.093 Mbps	<u>k</u>	

There are three sections in RaUI. These sections are briefly described as below.

- Button Section: include Profile page, Network page, Advanced page, Statistics page, WMM page, WPS page, About button, Radio On/Off button and Help button.
- ➔ Button Section



# **Function Section:** Corresponding button

→	Profile Pa	ge			
7	Profile Pa	ge		Profile Name >> SSID >> Network Type >> Authentication >> Encryption >> Use 802.1x >> Channel >> Power Save Mode >> Tx Power >> BTS Threshold >>	
Add	Edit.	Delete	Activate	Fragment Threshold >>	

# → Network Page

Sorted by >>	O SSID	🖉 Channel	0	Signal	Show dBm
			AP List	>>	
_Shiang_2860AF	3	11	15 <mark>9</mark> 🗊	81%	
aaa		💐 З	<b>b</b> g 🕈	55%	
AlbertY-200		<b>\$</b> 6	69 🕈	76%	
AP		101	69 🕈	55%	
AP1		<b>\$</b> 6	<b>B9</b>	100%	
APPA		<b>\$</b> 6	13 g ท	70%	
asus		11	b g	81%	
Broadcom		11	<b>B9</b>	81%	
Buffalo 54		11	<b>B9</b>	76%	
Cobra		<b>\$</b> 6	69 🕈	34%	
Rescan	Connect	Add to Profile			
	-				· · · · · · · · · · · · · · · · · · ·

### ➔ Advanced Page

Wireless mode >>	802.11 B/G/N mix	Enable CCX (Cisco Compatible eXtensions)
		Turn on CCKM
		Enable Radio Measurements
Enable TX Burst		Non-Serving Channel Measurements limit 250 ms (0-2000)
Enable TCP Wind	ow Size	
Fast Roaming at	-70 dBm	
Show Authentica	tion Status Dialog	
Select Yo	ur Country Region Code	
11 B/G >>	): CH1-11 🗾 🛨	
Apply		
		<u>م</u>

### ➔ Statistics Page

Transmit	Receive		
Frames Transmitte	d Successfully	-	1432
Frames Retransmit	ted Successfully	=	4
Frames Fail To Rec	eive ACK After All Retries	=	0
RTS Frames Succes	sfully Receive CTS	-	0
RTS Frames Fail To	Receive CTS	-	0

#### Reset Counter

# → WMM Page

WMM Enable				
WMM - Power Save Er	nable			
AC_BK	AC_BE	AC_VI	AC_VO	
Direct Link Setup Ena	able			
MAC Address >>		Timeout Valu	e >> 60 sec	Apply
				Tear Down

# → WPS Page

ID ; Unknown	hsinchu1	00-11-26-71-27-68	6	7	Rescan	E.
					Informati	
					Pin Cod	e
					64893945 F	lenew
		WPS Profile List			Config Mode	•
					Enrollee	*
					Detail	
					Connec	t
					Rotate	
					Disconne	ct
EIN	WPS Associate IE	Progress >> 0%			Export Pro	ofile
				_	Delete	

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RaConfig Version >> 2.0.3.0	Date >> 08-02-2007
Driver Version >> 1.0.4.0	Date >> 07-28-2007
EEPROM Version >> 1.1	
Firmware Version >> 0.7	
Phy_Address >> 00-06-4F-12-34-56	
WWW.RAL	INKTECH.COM

- Status Section: Include Link Status, Authentication Status, AP's information, Configuration and retrying the connection when authentication is failed.
- → Link Status Status >> WLAN\_SW <--> 00-07-40-F1-99-42 Extra Info >> Link is Up [TxPower:100%] Channel >> 9 <--> 2452 MHz Authentication >> WPA-PSK Encryption >> TKIP Noise Strength >> 26% Network Type >> Infrastructure Transmit IP Address >> 192.168.10.45 Ma: Link Speed >> 54.0 Mbps Sub Mask >> 255.255.255.0 Throughput >> 4.156 Kbps 7.240 Default Gateway >> 192.168.10.1 Kbps HT Receive BW >> n/a SNR0 >> n/a Link Speed >> 54.0 Mbps GI >> n/a MCS >> n/a SNR1 >> n/a Throughput >> 14.896 Kbps 57.064 Kbps

#### ➔ Authentication Status



#### → AP's Information

General	WPS	CCX	
MAC A	SSID >> AP1	-A4	Signal Strength >> 100%
Authenticatic Encryptic C Netwoi	on Type >> Unknown on Type >> None Channel >> 6 <> 2437000 f rk Type >> Infrastructure	۲Hz	Supported Rates (Mbps) 1, 2, 5.5, 11, 6, 12, 24, 36, 9, 18, 48, 54
Beacon I	nterval >> 100		
			OK

### → Retry the Connection

Profile Name >> PROF1		Password >>	
Message >> Invalid identity or password			
and the second se	ОК	Cancel	

#### ➔ Configuration

Auth WF	nentication >> PA Preshared Key	₩PA		Encryption >>	ткір	•	
′ер Кеу							
<b>Ø</b> Ke	ey#1	Hexadecimal	- [				
Ø Ke	ey#2	Hexadecimal	-				
🙆 Ke	ey#3	Hexadecimal	- T				
<b>()</b> Ke	ey#4	Hexadecimal	-				Show Password

At the mean time of starting RaUI, there is also a small Ralink icon appears within windows taskbar as below. You may double click it to bring up the main menu if you selected to close RaUI menu earlier. You may also use mouse;s right button to close RaUI utility.



Besides, the small icon will change color to reflect current wireless network connection status. The status indicates as follow:

- → 11/2 -- indicate Connected and Signal Strength is Good.
- → 🔢 -- indicate Connected and Signal Strength is Normal
- → X -- indicate Wireless NIC is not connected yet
- → 😹 -- indicate Wireless NIC is not detected
- → 18 -- indicate Connected and Signal Strength is Weak

### 3.1.2 Profile

Profile can book keeping your favorite wireless setting among your home, office, and other public hot-spot. You may save multiple profiles, and activate the correct one at your preference.



#### [Definition of each field]

Profile Name: Name of profile, preset to PROF\* (\* indicate 1,2,3,...)

SSID: AP or Ad-Hoc name

Network Type: Network's type, including infrastructure and Ad-Hoc.

Authentication: Authentication mode

Encryption: Encryption Type

Use 802.1x: Whether or not use 802.1x feature

Channel: channel in use for Ad-Hoc mode

Power Save Mode: Choose from CAM (Constantly Awake Mode) or Power Saving Mode.

**Tx Power:** Transmit power, the amount of power used by a radio transceiver to send the signal out.

**RTS Threshold:** User can adjust the RTS threshold number by sliding the bar or key in the value directly.

Fragment Threshold: User can adjust the Fragment threshold number by sliding the bar or

key in the value directly.



 $\rightarrow$  Hide the information of Status Section

### 3.1.2.1 Add/Edit Profile

There are 3 methods to open Profile Editor form:

- → You can open it from "Add to Profile" button in Site Survey function
- → You can open it form "Add" button in Profile function
- → You can open it from "Edit" button in Profile function

Profile Name >> PROFT			Network Type >>	Infrastructure	•
SSID >> AP1		•	Tx Power >>	Auto	•
Power Save Mode >> 🔘 CAM	PSM		Preamble >>	Auto	v
RTS Threshold	0		<b>)</b> 2347	2347	
	256			2346	
Fragment Threshold	2.50				

Authentication	>> Open 🔻	Encryption >> None 🔻	🔲 802.1X	
WPA Preshare	:d Key >>			
эр Кеу				
🚫 Key#1	Hexadecimal 🔻			
🖉 Key#2	Hexadecimal 🔻 🗌			
🖉 Key#3	Hexadecimal 🔻 🗍			
A Kev#4	Hexadecimal 🗶			Show Password

Profile Name: User can chose name for this profile, or use default name defined by system.SSID: User can key in the intended SSID name or use pull down menu to select from available APs.

Power Save Mode: Choose from CAM [Constantly Awake Mode] or Power Saving Mode.

**Network Type:** There are two types, infrastructure and 802.11 Ad-Hoc mode. Under Ad-Hoc mode, user can also choose the preamble type, the available preamble type includes auto and long. In addition to that the channel field will be available for setup in Ad-Hoc mode.

**RTS Threshold:** User can adjust the RTS threshold number by sliding the bar or key in the value directly. The default value is 2347.

**Fragment Threshold:** User can adjust the Fragment threshold number by sliding the bar or key in the value directly. The default value is 2346.

**Channel:** Only available for setting under Ad-Hoc mode. User can choose the channel frequency to start their Ad-Hoc network.

**Authentication Type:** There are 7 type of authentication modes supported by RaUI. They are Open, Shared, LEAP, WPA, WPA-PSK, WPA2, WPA2-PSK.

**Encryption Type:** For open and shared authentication mode, the selection of encryption type are None and WEP. For WPA, WPA2, WPA-PSK and WPA2-PSK authentication mode, the encryption type supports both TKIP and AES.

802.1x Setting: It is an authentication for WPA and WPA2 certificate to server.

**WPA Pre-Shared Key:** This is the shared secret between AP and STA. For WPA-PSK and WPA2-PSK authentication mode, this field must be filled with character longer than 8 and less than 32 lengths.

**WEP Key:** Only valid when using WEP encryption algorithm. The key must matched AP's key. There are several formats to enter the keys:

- → Hexadecimal 40bits: 10 Hex characters
- → Hexadecimal 128bits: 26 Hex characters.
- → ASCII 40bits: 5 ASCII characters
- → ASCII 128bits: 13 ASCII characters

### 3.1.2.2 Example to Add Profile in Profile

Step 1: Click Add in Profile function



Step 2: Add Profile page will pop up.

Profile	LLL Network	Advanced	Statistics	AVAAA	<b>Ø</b> WPS	Radio	On/Off	R	
. Torno	Profil	e Lict	510105			1101010	010 011		
	1101	o cist			Profile Name	>>			
					SSID	>>			
					Network Type	>>			
					Authentication	>>			
					Encryption	>>			
					Use 802.1x	>>			
				-	Channel	>>			
				Po	wer save Mode	>>			
					RTS Threshold	- 22   33			
					itis iniosiloid	5.073			
Add	Edit	Delete	Activate	Frag	ment Threshold	>>			
Add ystem Config	Edit Auth. \ Er	Delete	Activate 1021X	Frag	ment Threshold	>>			
Add ystem Config Profi	Edit Auth. \ Et	Delete ncry. 8	Activate 3021X	Frag	ment Threshold	>> Type >>	Infrastructure	•	
Add ystem Config Profi	Edit Auth. \ Ei le Name >> PROF SSID >>	Delete ncry. 8	Activate 1021X	Frag	ment Threshold Network Tx P	Type >>	Infrastructure Auto	•	
Add ystem Config Profi Power Sav	Edit Auth. \ Er Is Name >> PROF SSID >> Ye Mode >> 💽 0	Delete ncry. 8 1 CAM ( PSM	Activate	Frag	ment Threshold Network Tx P Prev	>> Type >> ower >> amble >>	Infrastructure Auto Auto	• •	
Add ystem Config Profi Power Sav	Edit. Auth. \ Er le Name >> PROF SSID >> re Mode >> ① ①	Delete ncry. 8 1 CAM @ PSM	Activate 102.1X	Frag	Network Tx P Prec	>>       Type >>       ower >>       amble >>       347	Infrastructure Auto Auto	•	
Add ystem Config Profi Power Sav ] RTS Threshold ] Fragment Thr	Edit Auth. \ Ei le Name >> PROF SSID >> re Mode >> @ ( eshold	Delete ncry. 8 1 САМ ФР5М 0 _ 256 _	Activate 102.1X	Frag	Network Network Tx P Pres 22 22 22	>>       Type >>       ower >>       amble >>       347       346	Infrastructure Auto Auto 1347	• •	

**Step 3:** Change profile name to what you want to connect. Pull down the SSID and select one intended AP. The AP list is the result of last Network.

Ral	UI								
4	Profile	LLL Network	Advanced	) Statistics	Gos WMM	<b>Ø</b> WPS	Radio On/O	ff About	
		Profi	e list						
			e List		-	Profile Nam	IP >>		
							D		
						221	0 >>		
					1	Network Typ	ie >>		
					A	uthenticatio	in >>		
						Encryptic	in >>		
						Use 802.1	X >>		
						Chann	el >>		
					Pow	er Save Mor	le >>		
						Ty Dour			
						1			
						RIS Inresno	10 >>		
					Fragm	ent Thresho	ld >>		
and the second second	Add	Edit	Delete	Activate					
									-
S	ystem Config	Auth. \ E	ncry. 8						
		2							_
	Profile N	ame >> PROF	1			Networ	k Type >> Infrastru	ucture 🔻	
		SSID >>		*		Тx	Power>> Aut	• •	
		_Shia	ng_2860AP	_	000C4368601c	5 🔨 Pr	eamble >> Aut		
	Power Save M	lode >> Alber	:Y-200		00AA2E82EB98				
		AP AD 1			0007404D0C7	E			
Г	RTS Threshold	APPA			0014A549F42F		2347 2347		
-		Belkir	_N1_Wireless_281	111	000C4328111	1			
L	Fragment Thresh	old Broad	lcom lcom\WPS		001018902ED/		2346 2346		
		Claud	eAP		000C766FC59	7			
		Cobra	1		000A795C08B	2			
		Denn	SAP		000C43102718	3			
		1 IOLIA	np		00004020002	- 216			

**Step 4:** Then, you can see the profile which you set appear in the profile list. Click "**Activate**" to activate the profile setting.

	22	1.			August 1974			
Profi	le Network	Advanced	Statistics	WWW	<b>Ø</b> WPS	Radio On/Off	R	0
	Profil	e List						
PROF1	AP1		Ь		Profile Name	e >> PROF1		
			1870		SSIE	)>> AP1		
					Network Type	e >> Infrastructure		
					Authentication	n >> Open		
					Encryption	n >> None		
					Use 802.1:	<>> NO		
					Chappe	1 >> 1		
				Do	war Swa Hode			
				FU	Tu Davie			
					TX Powe	r >> Auto		
					RIS Threshold	1 >> 2347		
				Frag	ment Threshold	1 >> 2346		
Add	Edit	Delete	Activate	-				
Stati	us >> AP1 <> 00-03-7F-	00-D7-A4			Lin	k Ouality >> 100%		
Extra In	fo >> Link is Up [TxPowe	er: 100%]						
Chann	iel >> 6 <> 2437000 MH	Iz						
Authenticatio	on >> Open				Signa	Strength 3 >> 100%		
Encryptic	on >> NONE				Noi:	se Strength >> 26%		
Network Typ	oe >> Infrastructure			Transmi	t		_	
IP Addre:	ss >> 192.168.5.60			Link	< Speed >> 54.	0 Mbps Max		
Sub Ma:	sk >> 255.255.255.0			Thro	ughput >> 0.0	00 Mbps 0.002	1	
Default Gatewa	ay >> 192.168.5.254					Mbps		
				Receive				
BW >> n/a		SNRO >> n/a		Link	Speed >> 54.	0 Mbps		
Gl >> n/a	MCS >> n/a	SNR1 >> n/a		Thro	ughput >> 0.0	33 Mbps 1.448 Mbps		

### 3.1.3 Network

Under the Network function, system will display the information of surrounding APs from last scan result. List information includes SSID, BSSID, Signal, Channel, Encryption algorithm, Authentication and Network type as below:



#### [Definition of each field]

SSID: Name of BSS or IBSS network

Network Type: Network type in use, infrastructure for BBS, Ad-Hoc for IBSS network

Channel: Channel in use.

**Wireless Mode:** AP support wireless mode. IT may support 802.11a, 802.11b, 802.11g or 802.11n wireless mode.

Security-Enable: Whether AP provides security-enabled wireless network

Signal: Receive signal strength of specified network

#### [Icons & Buttons]

- $\blacktriangleright \rightarrow \text{Indicate connection is successful.}$
- $otive{black} \rightarrow$  Indicate network type is infrastructure mode.
  - $\rightarrow$  Indicate network type is Ad-Hoc mode.
- Indicate security-enabled wireless network.
- $\mathbf{a} \rightarrow \mathbf{b}$  Indicate 802.11a wireless mode
- Indicate 802.11b wireless mode.
- $\rightarrow$  Indicate 802.11g wireless mode.

Indicate 802.11n wireless mode.

Sorted by >>	🕗 SSID	🙆 Channel	🥥 Signal	➔ Indicate the
AP lists are sort	ted by SSID, Chan	nel, or Signal.		

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Connect

→ Command to connect to the selected network.

Rescan → Issue a rescan command to wireless NIC to update information on surrounding wireless network.

Add to Profile → Add the selected AP to Profile setting. It will bring up profile page and save user's setting to a new profile.

#### [Connected Network]

- (1) When RaUI first ran, it will select the best AP to connect automatically.
- (2) If user wants to connect to other AP, He can click "Connect: button for the intended AP to make connection.
- (3) If the intended network has encryption other than "Not Use", RaUI will bring up the security page appropriate information to make the connection.
- (4) When you double-click on the intended AP, you can see AP's detail information.

#### 3.1.4 Advanced

Wireless mode >>	802.11 B/G/N mix	•	Enable CCX (Cisco Compatible eXtensions)
			Turn on CCKM
			Enable Radio Measurements
Enable TX Burst			Non-Serving Channel Measurements limit 250 ms (0-2000)
Enable TCP Wind	dow Size		
Fast Roaming at	-70 dBm		
Show Authentica	ation Status Dialog		
Select Yo	our Country Region Code	N	
11 B/G >>	0: CH1-11	•	
Apply			

**Wireless Mode:** Select wireless mode. 802.11B only, 802.11B/G mix, and 802.11B/G/N mix, modes are supported. (802.11 A/B/G mix selection item only exists for A/B/G adapter; 802.11B/G/N mix selection item only exists for B/G/N adapter; 802.11A/B/G/N mix selection item only exists for A/B/G/N mix selection item only exists for B/G/N adapter; 802.11A/B/G/N mix selection item only exists for A/B/G/N mix selection item only exists for A/B/G/N mix selection item only exists for B/G/N adapter; 802.11A/B/G/N mix selection item only exists for A/B/G/N mix selection item only exists for A/B/G/N mix selection item only exists for B/G/N adapter; 802.11A/B/G/N mix selection item only exists for A/B/G/N mix selection

**Wireless Protection:** User can choose from Auto, On, and Off (Only 802.11n adapter don't support)

- → Auto: STA will dynamically change as AP announcement
- → ON: Always send frame with protection.
- → Off: Always send frame without protection.

**TX Rate:** Manually force the Transmit using selected rate. Default is auto. (802.11n wireless card doesn't support.)

Enable Tx Burst: Ralink's proprietary frame burst mode.

Enable TCP Windows Size: Enhance throughout.

Fast Roaming at: Fast to roaming, setup by transmit power.

Select your Country Region Code: 8 countries to choose.

**Show Authentication Status Dialog:** When you connect AP with authentication, choose whether show "**Authentication Status Dialog**" or not. Authentication Status Dialog display the process about 802.11x Authentication.

**Enable CCX (Cisco Compatible eXtensions)**: support Cisco Compatible Extensions function.

- → LEAP turn on CCKM
- → Enable Radio Measurement: can channel measurement every 0~2000 milliseconds.

Apply: Save the save changes

▼ → Show the information of Status Section

Hide the information of Status Section

### 3.1.5 Statistics

Statistics page displays the detail counter information based on 802.11 MIB counters. This page translates the MIB counters into a format easier for user to understand.

#### [Transmit Statistics]

rames Transmitted Successfully	=	1432
rames Retransmitted Successfully	=	4
rames Fail To Receive ACK After All Retries	÷	0
RTS Frames Successfully Receive CTS	=	0
RTS Frames Fail To Receive CTS	=	0

Frames Transmitted Successfully: Frames successfully sent.

**Frames Fail To Receive ACK After All Retries:** Frames failed transmit after hitting retry limit. **RTS Frames Successfully Receive CTS:** Successfully receive CTS after sending RTS frame.

RTS Frames Fail to Receive CTS: Fail to receive CTS after sending RTS frame.

Frames Retransmitted Successfully: Successfully retransmitted frames numbers Reset Counter: Reset counters to zero [Receive Statistics]

ramer Deceived Successfully		3153
ames received successfully		0155
rames Received With CRC Error	=	201964
rames Dropped Due To Out-of-Reso	ource =	0
uplicate Frames Received	=	0

Frames Received Successfully: Frames received successfully.

Frames Received With CRC Error: Frames receive with CRC error.

Frames Dropped Due To Out-Of-Resource: Frames dropped due to resource issue.

Duplicate Frames Received: Duplicate received frames.

Reset Counter: Reset counters to zero

- ▼ → Show the information of Status Section
- ► → Hide the information of Status Section

### 3.1.6 WMM

WMM function involves "WMM Enable", "WMM-Power Save Enable" and "DSL Setup".

WMM >> Enabled	Power Save >> Disabled			Direct Link >> Disabled
WMM Enable				
WMM - Power Save Enable				
AC_BK	AC_BE	AC_VI	AC_VO	
Direct Link Setup Enable				
MAC Address >>		Timeout Value >>	60 sec	Apply
				Tear Down

WMM Enable: Enabe Wi-Fi Multi-Media.

WMM-Power Save Enable: Enable WMM Power Save.

Direct Link Setup Enable: Enable DLS (direct Link Setup).

#### [WMM Enable – Enable Wi-Fi Multi-Media]

If you want to use "WMM-Power Save" or "Direct Link Setup" you must enable WMM. The setting methods of enabling WMM indicating as follow:

#### Step 1: Click "WMM Enable"

WMM >> Enabled	Power Save >> Disa	bled		Direct Link >> Disabled
WMM Enable				
WMM - Power Save E	nable			
AC_BK	AC_BE	AC_VI	AC_VO	
Direct Link Setup Er	able			
MAC Address >>		Timeout Value	e >> 60 sec	Apply
				Tear Down

**Step 2:** Change to "**Network**" function. And add an AP that supports WMM features to a **Profile**. The result will look like the below figure in **Profile** page.

Profile       Network       Advanced       Statistics       WWM       WPS       Radio On/Off       About         Profile       Advanced       Statistics       WWM       WPS       Radio On/Off       About         Profile       Ap1       Image: Comparison of the list       Profile Name >> PROF1       SSID >> AP1         PROF1       Ap1       Image: Comparison of the list       Profile Name >> PROF1       SSID >> AP1         PROF1       Ap1       Image: Comparison of the list       Profile Name >> PROF1       SSID >> AP1         Network       Type >> Infrastructure       Authentication >> Open       Encryption >> None       Encryption >> None         Add       Edit       Delete       Activate       Treagment Threshold >> 2347       Fragment Threshold >> 2346         Status >> AP1 <<>> 0003-7F-00-D7-A4       Extra Info >> Link is Up [TxPower:1003]       Sagnatistreagth >> 4005       Sagnatistreagth >> 4005         Status >> AP1 <<>> 003-247500-D7-A4       Extra Info >> Link is Up [TxPower:1003]       Sagnatistreagth >> 4005       Sagnatistreagth >> 4005         Status >> AP1 <<<>> 003-247500-D7-A4       Extra Info >> Link is Up [TxPower:1003]       Sagnatistreagth >> 4005       Sagnat	1 Ral	U)								X
Profile List       Profile Name >> PROF1         PROF1       AP1         PROF1       AP1         Profile Name >> PROF1         SSID >> AP1         Network Type >> Infrastructure         Authentication >> Open         Encryption >> None         Use 802.1x >> NO         Channel >> 1         Power Save Mode >> CAM         Tx Power >> Auto         RTS Threshold >> 2346    Status >> AP1 <-> 00-03-7F-00-07-A4 Extra Info >> Link is Up [TxPower:1003] Channel >> 6 <-> 2437000 MHz Authentication >> Open Encryption >> NONE Network Type >> Infrastructure IP Address >> 192.168.5.255. Default Gateway >> 192.168.5.254. HT BW >> n/a SNRD >> n/a SNRD >> n/a Note Max Max	-	Profile	Jaa Network	Advanced	Statistics	WMM	<b>Ø</b> WPS	Radio On/Off	R	
PROF1       AP1       Profile Name >> PROF1         SID >> AP1       SID >> AP1         Network Type >> Infrastructure       Authentication >> Open         Encryption >> None       Use 802.1x >> NO         Channel >> 1       Power Save Mode >> CAM         Tx Power >> Auto       RIS Threshold >> 2346         Add       Edit       Delete         Add       Edit       Delete         Status >> AP1 (> 00-03-7F-00-07-A4       Extra Info >> Link is Up [TxPower:1003]         Channel >> 6 (> 2437000 MHz       Signal Strength 1 >> 100%         Authentication >> Open       Signal Strength 2 >> 100%         Extra Info >> Link is Up [TxPower:1003]       Signal Strength 2 >> 100%         Channel >> 6 (> 2437000 MHz       Signal Strength 2 >> 100%         Authentication >> Open       Signal Strength 3 >> 100%         Encryption >> NONE       Noise Strength 3 >> 100%         Network Type >> Infrastructure       IP Address >> 192.168.5.60         Sub Mask >> 255.255.0       Default Gateway >> 192.168.5.254         Max       Uink Speed >> 54.0 Mbps         Max       Uink Speed >> 54.0 Mbps         Max       Uink Speed >> 54.0 Mbps			Profile	e List						
SID >> AP1 Network Type >> Infrastructure Authentication >> Open Encryption >> None Use 802.1x >> NO Channel >> 1 Power Save Mode >> CAM Tx Power >> Auto RTS Threshold >> 2346 Add Edit Delete Activate Status >> AP1 ===================================	PR	OF1	AP1		6		Profile Name	>> PROF1		
Add       Edit       Delete       Activate         Add       Edit       Delete       Activate         Status >> AP1 <~> 00-03-7F-00-D7-A4       Extra Info >> Link is Up [TxPower: 100x]       Status >> AP1 <<>> 0000 MHz         Add       Edit       Delete       Activate         Status >> AP1 <<>> 00-03-7F-00-D7-A4       Extra Info >> Link is Up [TxPower: 100x]       Status >> AP1 <<>> 000X         Channel >> 6 <<>> 2437000 MHz       Status >> 192.168.5.60       Status >> 192.168.5.60       Status >> 192.168.5.255.         Default Gateway >> 192.168.5.254       Max       Max       Max         BW >> n/a       SNRD >> n/a       Max       Max	-						SSIE	)>> AP1		
Add       Edit       Delete       Activate         Add       Edit       Delete       Activate         Status >> AP1 <<>> 000-03-7F-00-D7-A4       Extra Info >> Link is Up [TxPower:100%]       Channel >> 1         Channel >> 1       Power Save Mode >> CAM       Tx Power >> Auto         Status >> AP1 <<>> 00-07-744       Extra Info >> Link is Up [TxPower:100%]       Channel >> 6 <<>> 2437000 MHz         Authentication >> Open       Encryption >> NONE       Signal Strength 1 >> 100%         Network Type >> Infrastructure       IP Address >> 192.168.5.60       Sub Mask >> 255.255.255.0         Default Gateway >> 192.168.5.254       Max       Max         BW >> n/a       SNRD >> n/a       Max							Network Type	>> Infrastructure		
Encryption >> None       Use 802.1x >> NO         Use 802.1x >> NO       Channel >> 1         Power Save Mode >> CAM       Tx Power >> Auto         Tx Power >> Auto       RTS Threshold >> 2346         Add       Edit       Delete         Add       Edit       Delete         Status >> AP1 <-> 00-03-7F-00-D7-A4       Extra Info >> Link is Up [TxPower:100%]         Channel >> 6 <-> 2437000 MHz       Signal Strength 1>> 100%         Authentication >> Open       Encryption >> NONE         Network Type >> Infrastructure       IP Address >> 192.168.5.60         Sub Mask >> 255.255.255.0       Default Gateway >> 192.168.5.254         HT							Authentication	n >> Open		
Lise 802.1x >> NO       Channel >> 1       Power Save Mode >> CAM       Tx Power >> Auto       RTS Threshold >> 2347       Fragment Threshold >> 2346       Add     Edit       Delete     Activate       Status >> AP1 <> 00-03-7F-00-D7-A4       Extra Info >> Link is Up [TxPower:100%]       Channel >> 6 <> 2437000 MHz       Authentication >> Open       Encryption >> NONE       Network Type >> Infrastructure       IP Address >> 192.168.5.60       Sub Mask >> 255.255.255.0       Default Gateway >> 192.168.5.254       HT       BW >> n/a							Encryption	n >> None		
Channel >> 1         Power Save Mode >> CAM         Tx Power >> Auto         RTS Threshold >> 2347         Fragment Threshold >> 2346         Add       Edit         Delete       Activate         Status >> AP1 <-> 00-03-7F-00-D7-A4         Extra Info >> Link is Up [TxPower:100%]         Channel >> 6 <-> 2437000 MHz         Authentication >> Open         Encryption >> NONE         Network Type >> Infrastructure         IP Address >> 192,168,5.60         Sub Mask >> 255,255,255,0         Default Gateway >> 192,168,5.60         Mask >> 255,255,255,0         Default Gateway >> 192,168,5.60         BW >> n/a       SNR0 >> n/a							Use 802.1>	< >> NO		
Add       Edit       Delete       Activate         Add       Edit       Delete       Activate         Status >> AP1 <~~> 00-03-7F-00-D7-A4       Extra Info >> Link is Up [TxPower:100%]       Extra Info >> Link is Up [TxPower:100%]         Channel >> 6 <~~> 2437000 MHz       Signal Strength 1 <>> 100%       Signal Strength 2 <>> 100%         Authentication >> Open       Encryption >> NoNE       Noise Strength 3 <>> 100%         Network Type >> Infrastructure       IP Address >> 192.168.5.60       Noise Strength 3 <>> 54.0 Mbps         Sub Mask >> 255.255.255.0       Default Gateway >> 192.168.5.254       Max         MW >> n/a       SNR0 >> n/a       Link Speed >> 54.0 Mbps							Channe	>> 1		
Xadd       Edit       Delete       Activate         Xadd       Edit       Delete       Activate         Status >> AP1 <> 00-03-7F-00-D7-A4       Fragment Threshold >> 2346         Status >> AP1 <> 00-03-7F-00-D7-A4       Extra Info >> Link SUp [TxPower:100%]         Channel >> 6 <> 2437000 MHz       Signal Strength 1>> 100%         Channel >> 6 <> 2437000 MHz       Signal Strength 1>> 100%         Authentication >> Open       Signal Strength 3>> 100%         Encryption >> NONE       Noise Strength 3>> 100%         Network Type >> Infrastructure       Noise Strength 3>> 100%         IP Address >> 192.168.5.60       Sub Mask >> 255.255.255.0         Default Gateway >> 192.168.5.254       Infrastructure         HT       HT         BW >> n/a       SNR0 >> n/a						Po	ower Save Mode	e >> CAM		
Add       Edit       Delete       Activate         Status >> AP1 <> 00-03-7F-00-D7-A4       Extra Info >> Link is Up [TxPower:100%]       Status >> AP1 <> 00-03-7F-00-D7-A4         Extra Info >> Link is Up [TxPower:100%]       Status >> AP1 <> 00-03-7F-00-D7-A4       Status >> 100%         Extra Info >> Link is Up [TxPower:100%]       Status >> 100%       Status >> 100%         Channel >> 6 <> 2437000 MHz       Status >> 100%       Status >> 100%         Authentication >> Open       Signal Strength 3>> 100%       Status >> 100%         Encryption >> NONE       Noise Strength >> 26%       Transmit         Ink Speed >> 54.0 Mbps       Max       0.002         Max       Uink Speed >> 54.0 Mbps       Max         BW >> n/a       SNR0 >> n/a       Link Speed >> 54.0 Mbps       Max							Tx Power	r >> Auto		
Add       Edit       Delete       Activate       Fragment Threshold >> 2346         Status >> AP1 <> 00-03-7F-00-D7-A4       Link Quality >> 100%       Signal Strength 1 >> 100%         Extra Info >> Link is Up [TxPower:100%]       Signal Strength 1 >> 100%       Signal Strength 1 >> 100%         Channel >> 6 <> 2437000 MHz       Signal Strength 1 >> 100%       Signal Strength 1 >> 100%         Authentication >> Open       Signal Strength 3 >> 100%       Signal Strength 3 >> 100%         Encryption >> NONE       Noise Strength 3 >> 100%       Signal Strength 3 >> 100%         Network Type >> Infrastructure       Ink Speed >> 54.0 Mbps       Max         IP Address >> 192.168.5.254       Infrastructure       Infrastruction >> 0.000 Mbps         HT       Keceive       Link Speed >> 54.0 Mbps       Max         BW >> n/a       SNR0 >> n/a       Link Speed >> 54.0 Mbps       Max							RTS Threshold	1 >> 2347		
Add       Edit       Delete       Activate         Status >> AP1 <> 00-03-7F-00-D7-A4						Frag	ment Threshold	1 >> 2346		
Add     Edit     Delete     Activate       Status >> AP1 <> 00-03-7F-00-D7-A4     Link Quality >> 100%       Extra Info >> Link is Up [TxPower:100%]     Signal Strength 1 >> 100%       Channel >> 6 <> 2437000 MHz     Signal Strength 1 >> 100%       Authentication >> Open     Signal Strength 3 >> 100%       Encryption >> NONE     Noise Strength >> 26%       Network Type >> Infrastructure     Noise Strength >> 26%       IP Address >> 192.168.5.60     Transmit       Link Speed >> 54.0 Mbps     Max       HT     Receive       BW >> n/a     SNR0 >> n/a			<b>F</b> .44	Delete	1.1					
Status >> AP1 <> 00-03-7F-00-D7-A4     Link Quality >> 100%       Extra Info >> Link is Up [TxPower:100%]     Stepnal Strength 1 >> 100%       Channel >> 6 <> 2437000 MHz     Stepnal Strength 2 >> 100%       Authentication >> Open     Stepnal Strength 3 >> 100%       Encryption >> NONE     Noise Strength >> 26%       Network Type >> Infrastructure     Transmit       IP Address >> 192.168.5.60     Link Speed >> 54.0 Mbps       Sub Mask >> 255.255.255.0     Throughput >> 0.000 Mbps       Default Gateway >> 192.168.5.254	-	Add	Ealt	Delete	Activate					
Extra Info >> Link is Up [TxPower:100%]       Signal Strength 1 >> 100%         Channel >> 6 <> 2437000 MHz       Signal Strength 2 >> 100%         Authentication >> Open       Signal Strength 3 >> 100%         Encryption >> NONE       Noise Strength >> 26%         Network Type >> Infrastructure       Transmit         IP Address >> 192.168.5.60       Link Speed >> 54.0 Mbps         Sub Mask >> 255.255.255.0       Throughput >> 0.000 Mbps         Default Gateway >> 192.168.5.254       Max         BW >> n/a       SNR0 >> n/a		Status >>	AP1 <> 00-03-7F-	00-D7-A4			Lin	k Quality >> 100%		
Channel >> 6 <> 2437000 MHz     Clignal Strength 2 >> 100%       Authentication >> Open     Signal Strength 3 >> 100%       Encryption >> NONE     Noise Strength >> 26%       Network Type >> Infrastructure     Transmit       IP Address >> 192.168.5.60     Link Speed >> 54.0 Mbps       Sub Mask >> 255.255.255.0     Throughput >> 0.000 Mbps       Default Gateway >> 192.168.5.254		Extra Info >>	Link is Up [TxPowe	r:100%]			Signa	Strength 1 >> 100%		
Authentication >> Open     Signal Strength 3 >> 100x       Encryption >> NONE     Noise Strength >> 26%       Network Type >> Infrastructure     Transmit       IP Address >> 192.168.5.60     Link Speed >> 54.0 Mbps       Sub Mask >> 255.255.255.0     Throughput >> 0.000 Mbps       Default Gateway >> 192.168.5.254     0.002       HT     Receive       BW >> n/a     SNR0 >> n/a		Channel >>	6 <> 2437000 MH:	z			Signa	Strength 2 >> 100%		
Encryption >> NONE     Noise Strength >> 26%       Network Type >> Infrastructure     Transmit       IP Address >> 192.168.5.60     Link Speed >> 54.0 Mbps       Sub Mask >> 255.255.255.0     Throughput >> 0.000 Mbps       Default Gateway >> 192.168.5.254     0.002       HT     Receive       BW >> n/a     SNR0 >> n/a	AL	uthentication >>	Open				Signa	Strength 3 >> 100%		
Network Type >> Infrastructure         Transmit           IP Address >> 192.168.5.60         Link Speed >> 54.0 Mbps         Max           Sub Mask >> 255.255.255.0         Throughput >> 0.000 Mbps         0.002           Default Gateway >> 192.168.5.254         Max         0.002           HT         Receive         Max           BW >> n/a         SNR0 >> n/a         Link Speed >> 54.0 Mbps         Max		Encryption >>	NONE				Nois	e Strength >> 26%		
In Address >> 142,100,3:00     Link Speed >> 54.0 Mbps     Mdx       Sub Mask >> 255,255,255.0     Throughput >> 0.000 Mbps     0.002       Default Gateway >> 192,168,5,254     Mbps     Mbps       HT     Receive     Mdx       BW >> n/a     SNR0 >> n/a     Link Speed >> 54.0 Mbps	N	ID Addross >>	Intrastructure			Transmi	t	May	1	
Default Gateway >> 192.168.5.254     0.002       HT     Receive       BW >> n/a     SNR0 >> n/a		Sub Mask >>	255,255,255,0			Link	< Speed >> 54.1	D Mbps		
HT         Receive           BW >> n/a         SNR0 >> n/a         Link Speed >> 54.0 Mbps         Max	Def	ault Gateway >>	192.168.5.254			Inro	iughput >> 0.0	0.002		
BW >> n/a SNR0 >> n/a Link Speed >> 54.0 Mbps Max	_		нт			Deceive		Mbps		
	BW	V>> n/a		SNRO >> p/a		Link	< Speed >> 54.1	D Mbps Max		
Gl >> n/a MCS >> n/a SNR1 >> n/a Throughput >> 0.033 Mbps 1,448 Mbps	G	il >> n/a	MCS >> n/a	SNR1 >> n/a		Thro	ughput >> 0.0:	33 Mbps 1.448 Mbps		

#### [WMM-Power Save Enable – Enable WMM Power Save]

Step 1: Click "WMM-Power Save Enable"

ply
Down
2

**Step 2:** Please select which ACs you want to enable. The setting of enabling WMM-Power Save is successfully.

WMM >> Enabled	Power Save >> Enabl	ed		Direct Link >> Disabled
WMM Enable				
WMM - Power Save Er	nable			
🔄 АС_ВК	AC_BE	AC_VI	AC_VO	
Direct Link Setup End	able			
MAC Address >>		Timeout Val	ue >> 60 sec	Apply
				Tear Down

### [Direct Link Setup Enable – Enable DLS (Direct Link Setup)]

### Step 1: Click "Direct Link Setup Enable"

	100013000112130			
WMM Enable				
WMM - Power Save En	able			
AC_BK	AC_BE	AC_VI	AC_VO	
📔 Direct Link Setup Ena	ble			
MAC Address >>		 Timeout Value	e >> 60 sec	Apply
				Tear Down

**Step 2:** Change to "**Network**" function. And add an AP that supports DLS features to a **Profile**. The result will look like the below figure in **Profile** page.

P <b>ro</b> fi	le Network	کی Advanced	Statistics	www.	<b>Ø</b> WPS	Radio On/Off	R	1
	Profil	le List						
PROF1	AP1		5		Profile Name	>> PROF1		
					SSID	>> AP1		
					Network Type	>> Infrastructure		
					Authentication	>> Open		
					Encryption	I >> None		
					Use 802, 1×	: >> NO		
					Channe	>> 1		
				Po	wer Save Mode			
					Ty Dowe	u v Auto		
						>> AULU		
					RIS Inreshold	1>> 2347		
				Frag	ment Threshold	I >> 2346		
Add	Edit	Delete	Activate					
Stati	us >> AP1 <> 00-03-7F-	-00-D7-A4			Lin	k Quality >> 100%		1
Extra In	fo >> Link is Up [TxPowe	er:100%]			Signal			
Chann	iel >> 6 <> 2437000 MH	łz			Signal	Strength 2 >> 100%		
Authenticatio	on >> Open				Signal	Strength 3 >> 100%		
Encryptic	on >> NONE				Nois	e Strength >> 26%		
Network Typ	be >> Infrastructure			Transmi	t			
IP Addre:	SS >> 192.108.5.00			Link	Speed >> 54.0	) Mbps		
Default Gatewa	av >> 192 168 5 254			Thro	ughput >> 0.00	0.002		
bondare datowe	HT			<b>.</b> .		Mbps		
		Ch/D2		Receive	Speed >> E4 (	Max Max		
<b>D</b> W		SNRU >> n/a		LUIP	opecu >> 94.0	o mops		
BW >> n/a	HCC to p (-			Thro	ughnut >> 0.01	33 Mbos		

# The Setting of DLS indicates as follow:

- (1) Fill in the blanks of Direct Link with MAC address of STA. The STA must conform to 2 conditions as follow:
  - → Connect with the same AP that support DLS features.
  - → Have to enable DLS

WMM >> Enabled	Power Save >> Disabled			Direct Link >> Enabled
WMM Enable				
WMM - Power Save I	Enable			
AC_BK	AC_BE	AC_VI	AC_VO	
Direct Link Setup Er	nable			
MAC Address >>	00 0c 43 28 60 00	Timeout Value >>	600 sec	Apply
				Tear Down

(2) Timeout Value represent that it disconnect automatically after some seconds. The value is integer. The integer must be between 0~65535. It represents that it always connects if the value is zero. Default value of Timeout Value is 60 seconds.

WMM >> Enabled	Power Save >> Disable	d		Direct Link >> Enabled
WMM Enable				
WMM - Power Save Er	nable			
AC_BK	AC_BE	AC_VI	AC_VO	
Direct Link Setup End	able			
MAC Address >>	00 Oc 43 28 60 00	- Timeout Value >	> 600 sec	Apply
				Tear Down

(3) Click "Apply" button. The result will look like the below figure.

WMM >> Enabled	Power Save >> Disable	ed		Direct Link >> Enabled
WMM Enable				
WMM - Power Save E	nable			
AC_BK	AC_BE	AC_VI	AC_VO	
Direct Link Setup Er	able			
MAC Address >>	00 0c 43 28 60 00	) Timeout Value >>	600 sec	Apply
	00-0C-43-28-60-00		600	Tear Down
				-
				_

#### Describe "DLS Status" as follow:

- (1) As the up figure, after configuring DLS successfully, show MAC address of the opposite side and Timeout Value of setting in "DLS Status". In "DLS Status" of the opposite side, it shows MAC address of itself and Timeout Value of setting.
- (2) Display the values of "DLS Status" to "Direct Link Setup" as follow:

Step 1: In "DLS Status", select a direct link STA what you want to show its values in "Direct Link Setup".

nable			
AC_BE	AC_VI	AC_VO	
nable			
	Timeout Value >>	60 sec	Apply
00-0C-43-28-60-00		600	Tear Down
	nable AC_BE Nable	nable AC_BE AC_VI able Timeout Value >> 00-0C-43-28-60-00	nable AC_BE AC_VI AC_VO Nable Timeout Value >> 60 sec 00-0C-43-28-60-00 600

**Step 2:** Double-Click and the result will look like the below figure.

WMM >> Enabled	Power Save >> Disabled			Direct Link >> Enabled
WMM Enable				
WMM - Power Save En	able			
AC_BK	AC_BE	AC_VI	AC_VO	
Direct Link Setup Ena	ble			
MAC Address >>	00 0c 43 28 60 00	Timeout Value >>	600 sec	Apply
	00-0C-43-28-60-00		600	Tear Down

(3) Disconnect Direct Link Setup as follow:

**Step 1:** Select a direct link STA.

WMM >> Enabled	Power Save >> Disabled			Direct Link >> Enabled
WMM Enable				
WMM - Power Save E	nable			
AC_BK	AC_BE	AC_VI	AC_VO	
🔲 Direct Link Setup En	able			
MAC Address >>	00 0c 43 28 60 00	Timeout Value >>	600 sec	Apply
	00-0C-43-28-60-00		600	Tear Down

WMM >> Enabled	Power Save >> Disab	oled		Direct Link >> Enabled
WMM Enable				
WMM - Power Save E	inable			
AC_BK	AC_BE	AC_VI	AC_VO	
Direct Link Setup Er	nable			
MAC Address >>	00 0c 43 28 60 0	0 Timeout Value	>> 600 sec	Apply
				Tear Down

### 3.1.7 WPS

Ral.	11									
4	Profile	LLL Network	Advanced	Statistics	WAMA	<b>Ø</b> WPS	Radio On	Off About		
-				WPS AF	List					
1	ID : Unknown	: Unknown AP1-WPS			00-10-18-90-2E-27			Rescan		
	ID : Unknown Ubicom_Sample ID : Unknown arvint-2860AP		icom_Sample		00-0C-43-28-60-20 00-0C-43-28-60-60			Information		
			vint-2860AP					Pin Code		
	ID : Unknown default				6 🕈 🗸		64893945 Renew			
		ïle List			Config Mode					
								Enrollee 🖌		
								Detail		
								Connect		
								Rotate		
								Disconnect		
	PIN WPS Associate IE			Progress >> 0%				Export Profile		
	PBC WPS Probe IE WPS status is d				connected Delete					
Status >> AP1 <> 00-03-7F-00-D7-A4								8		
Extra Info >> Link is Up [TxPower:100%]						Signal Strength 1 >> 63%				
Channel >> 6 <> 2437000 MHz						Signal Strength 2 >> 60%				
Authentication >> WPA						Signal S	trength 3 >> 7	76%		
Encryption >> TKIP+AES						Noise Strength >> 26%				
Network Type >> Infrastructure					Transmit _					
	IP Address >> 192.168.2.8					Link Speed >> 54.0 Mbps				
Sub Mask >> 255.255.255.0 Th					Through	put >> 0.000	Kbps	5,112		
Defa	ult Gateway >> 19	2.168.2.254						Kbps		
-		Receive								
BW	3W >> n/a SNRD >> n/a				Link Spe	eed >> 48.0 ለ	Abps	Max La 184		
G	GI >> n/a MCS >> n/a SNR1 >> n/a				Throughput >> 143.052 Kbps 180.044 Kbps					

**WPS Configuration:** The primary goal of Wi-Fi Protected Setup (Wi-Fi Simple Configuration) is to simply the security setup and management of Wi-Fi networks. Ralink STA as an Enrollee