

802.11b/g/n 1T1R WLAN Mini Card

RT5390

User's Manual

Federal Communication Commission Interference Statement

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.

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.

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna,

3) For all products market in US, OEM has to limit the operation channels in CH1 to CH11 for 2.4G band by supplied firmware programming tool. OEM shall not supply any tool or info to the end-user regarding to Regulatory Domain change.

As long as 3 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that these conditions <u>can not be met</u> (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID <u>can not</u> be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains FCC ID: VQF-RT5390".

Manual Information To the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or

remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

Industry Canada Statement

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions:

1) this device may not cause interference and

2) this device must accept any interference, including interference that may cause undesired operation of the device

This device has been designed to operate with an antenna having a maximum gain of 3.7dBi. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the EIRP is not more than required for successful communication.

IMPORTANT NOTE:

IC Radiation Exposure Statement:

This equipment complies with IC 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 device is intended only for OEM integrators

under the following conditions:

- 1. The antenna must be installed such that 20 cm is maintained between the antenna and users, and
- 2. The transmitter module may not be co-located with any other transmitter or antenna,
- 3. For all products market in CANADA, OEM has to limit the operation channels in CH1 to CH11 for 2.4GHz band by supplied firmware programming tool. OEM shall not supply any tool or info to the end-user regarding to Regulatory Domain change.

As long as 3 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the IC authorization is no longer considered valid and the IC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate IC authorization.

End Product Labeling

The final end product must be labeled in a visible area with the following: "Contains TX IC : 7542A-RT5390".

Manual Information That Must be Included

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module. The end user manual shall include all required regulatory information/warning as show in this manual.

以下警語適用台灣地區

經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原 設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善至無干 擾時方得繼續使用。前項合法通信,指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工 業、科學及醫療用電波輻射性電機設備之干擾。

本模組於取得認證後將依規定於模組本體標示審合格籤,並要求平台上標示「本產品內含射頻模組: ID 編號」

Europe – EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

EN 60950-1:2006+A11: 2009

Safety of Information Technology Equipment

- EN 62311:2008

Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz-300 GHz)

- (IEC 62311:2007 (Modified))
- EN 300 328 V1.7.1: (2006-10)

 Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

EN 301 489-1 V1.8.1: (2008-04)

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

- EN 301 489-17: V2.1.1

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

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©Česky	[Jméno výrobce] tímto prohlašuje, že tento [typ zařízení] je ve shodě se základními
[Czech]	požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
da Dansk	Undertegnede [fabrikantens navn] erklærer herved, at følgende udstyr [udstyrets
[Danish]	typebetegnelse] overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch	Hiermit erklärt [Name des Herstellers], dass sich das Gerät [Gerätetyp] in
[German]	Übereinstimmung mit den grundlegenden Anforderungen und den übrigen
	einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
et Eesti	Käesolevaga kinnitab [tootja nimi = name of manufacturer] seadme [seadme tüüp =
[Estonian]	type of equipment] vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist
	tulenevatele teistele asjakohastele sätetele.
English	Hereby, [name of manufacturer], declares that this [type of equipment] is in compliance
	with the essential requirements and other relevant provisions of Directive 1999/5/EC.
■ Español	Por medio de la presente [nombre del fabricante] declara que el [clase de equipo]
[Spanish]	cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o
	exigibles de la Directiva 1999/5/CE.
٩Ελληνική	ME THN ΠΑΡΟΥΣΑ [name of manufacturer] Δ ΗΛΩΝΕΙ ΟΤΙ [type of equipment]
[Greek]	ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ
	ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
ff Français	Par la présente [nom du fabricant] déclare que l'appareil [type d'appareil] est conforme
[French]	aux exigences essentielles et aux autres dispositions pertinentes de la directive
	1999/5/CE.
it Italiano	Con la presente [nome del costruttore] dichiara che questo [tipo di apparecchio] è
[Italian]	conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva
	1999/5/CE.
Latviski	Ar šo [name of manufacturer / izgatavotāja nosaukums] deklarē, ka [type of
[Latvian]	equipment / iekārtas tips] atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to
	saistītajiem noteikumiem.
Lietuvių	Šiuo [manufacturer name] deklaruoja, kad šis [equipment type] atitinka esminius
[Lithuanian]	reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
nl	Hierbij verklaart [naam van de fabrikant] dat het toestel [type van toestel] in

[Dutch]	richtlijn 1999/5/EG.
mt Malti	Hawnhekk, [isem tal-manifattur], jiddikjara li dan [il-mudel tal-prodott] jikkonforma
[Maltese]	mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva
	1999/5/EC.
huMagyar	Alulírott, [gyártó neve] nyilatkozom, hogy a [típus] megfelel a vonatkozó alapvetõ
[Hungarian]	követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Polski	Niniejszym [nazwa producenta] oświadcza, że [nazwa wyrobu] jest zgodny z
[Polish]	zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy
	1999/5/EC.
₽ ∎Português	[Nome do fabricante] declara que este [tipo de equipamento] está conforme com os
[Portuguese]	requisitos essenciais e outras disposições da Directiva 1999/5/CE.
র Slovensko	[Ime proizvajalca] izjavlja, da je ta [tip opreme] v skladu z bistvenimi zahtevami in
[Slovenian]	ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky	[Meno výrobcu] týmto vyhlasuje, že [typ zariadenia] spĺňa základné požiadavky a všetky
[Slovak]	príslušné ustanovenia Smernice 1999/5/ES.
fiSuomi	[Valmistaja = manufacturer] vakuuttaa täten että [type of equipment = laitteen
[Finnish]	tyyppimerkintä] tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä
	koskevien direktiivin muiden ehtojen mukainen.
Svenska 🕅	Härmed intygar [företag] att denna [utrustningstyp] står I överensstämmelse med de
[Swedish]	väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv
	1999/5/EG.

Hardware Quick Installation Guide

Installing the Wireless Mini PCI Express Module

- 1. Power down the computer.
- 2. Plug the Wireless PCI Express Minicard Module board to motherboard minicard slot
- 3. Connect 2 external antennas used I-PEX connector for WiFi antenna.
- 4. Power on the computer.



Un-installing the Wireless Mini PCI Express Module

- 1. Power down the computer
- 2. Removed 2 external WiFi antennas from the Wireless Mini PCI Express Module
- 3. Carefully removed the Wireless PCI Express Minicard Module from the motherboard minicard slot.
- 4. Power on the computer.

INTRODUCTION

The 11b/g/n 1T1R WLAN Mini Card is a device that allows you connect your computer to a wireless local area network (LAN). A wireless LAN allows your system to use wireless Radio Frequency (RF) technology to transmit and receive data without physically attaching to the network. The Wireless protocols that come with this product ensure data security and isolation from interference generated by other radio frequencies. This card also allows you to take full advantage of your computer's mobility with access to real-time information and online services anytime and anywhere. In addition, this device eliminates the bother of pulling cable through walls and under furniture. It even allows you to place your system in locations where cabling is impossible. Modifying and augmenting networks has never been so easy.

Wireless Network Options

The Peer-to-Peer Network

This network installation lets you set a small wireless workgroup easily and quickly. Equipped with wireless PC Cards or wireless PCI, you can share files and printers between each PC and laptop.



You can also use one computer as an Internet Server to connect to a wired global network and share files and information with other computers via a wireless LAN.



The Access Point Network The network installation allows you to share files, printers, and Internet access much more conveniently. With Wireless LAN Cards, you can connect wireless LAN to a wired global network via an Access Point.



SOFTWARE INSTALLATION

Install the device

1. Make sure the computer is turned off. Remove the expansion slot cover from the computer.

2. Carefully slide the 11b/g/n 1T1R WLAN Mini Card into the mini PCI slot. Push evenly and slowly and ensure it is properly seated.

3. After the device has been connected to your computer, turn on your computer. Windows will detect the new hardware and then automatically copy all of the files needed for networking.

Install the Driver & Utility

1. Exit all Windows programs. Insert the included CD-ROM into your computer. The CD-ROM will run automatically.

2. When the License Agreement screen appears, please read the contents and select "I accept the terms of the license agreement " then click Next to continue.

Intelligent wireless card -	InstallShield Wizard	×
License Agreement Please read the following lice	nse agreement carefully.	
	Thank you for purchasing Wireless product! SDFTWARE PRIDUCT LICENSE The SDFTWARE PRIDUCT is protected by copyright laws and international copyright basices, as well as other intellectual property laws and treaties. The SDFTWARE PRIDUCT is increased, not sold. 1. GRANT DF LICENSE. This End-User License Agreement grants you the following rights/Installation and Use. You may install and use an unlimited number of copies of the SDFTWARE PRIDUCT. Reproduction and Distribution. You may reproduce and distribute an unlimited number of copies of the SOFTWARE PRIODUCT: provided that each copy shall be a true and complete copy, including all copyright and trademark notices, and shall be accomparied by a copy of this EULA Copies of the SOFTWARE PRIODUCT may be distributed as a standatione product 2. DESCRIPTION OF DTHER RIGHTS AND LIMITATIONS.	
InstallStield	Cancel	

3. Select the check box to choose a Configuration Tool from the listed two choices.

- Configuration Tool: Choose to use our configuration utility.

- Microsoft Zero Configuration Tool: Choose to use Windows XP's built-in Zero Configuration Utility (ZCU).

Click Next to continue.



4. There are two modes for you to choose in this screen, either choose WiFi mode or performance mode (TxBurst mode). This mode selection screen is set for the default mode shown in the utility screen, you can still change its mode later in the utility screen. Click Next to continue.

Intelligent wireless card -	InstallShield Wizard	×
Setup Type Select the setup type that bes	st suits your needs.	
in a start a s	Choose Contiguration Tx8 utst of WiFi	
	 Optimize for WFi mode Optimize for performance mode 	
InstallShield	< Back Next > Cancel	

5. When you are prompted the following message, please click Install to begin the installation.

Intelligent wireless card - Ins	tallShield Wizard 🛛 💈
Ready to Install the Program The wizerd is ready to begin insta	lation.
	Dick Install to begin the installation.
	If you want to review of change any of your installation settings, click Back. Click Cancel to exit the wizard

6. When the following screen appears, click Finish to complete the software installation.



HARDWARE INSTALLATION

To verify if the device exists in your computer and is enabled, go to Start > Control Panel > System (> Hardware) > Device Manager. Expand the Network Adapters category. If the 11b/g/n 1T1R WLAN Half Mini Cardis listed here, it means that your device is properly installed and enabled.



NETWORK CONNECTION

Once the device driver is well installed, a network setting described in the following should be also established.

In Windows 2000/ XP

 (In Windows 2000) Go to Start → Settings → Control Panel → Network and Dial-up Connections Local Area Connection → Properties.

(In Windows XP) Go to Start \rightarrow Control Panel \rightarrow Network and Internet Connections \rightarrow Network Connections \rightarrow Wireless Network Connection \rightarrow Properties.



2. Make sure that all the required components are installed.

🕹 Wireless Network Connection 3 Properties 👘 🕜 🔀
General Advanced
Cornect using
📑 11b/g/n 1T2R WLAN Mini Card Configure
This connection uses the following items:
Clent for Microsoft Networks Wireless Intermediate Driver Wireless Intermediate Driver File and Printer Sharing for Microsoft Networks Ø 005 Packet Scheduler Install. Uninstall Properties Description Alows your computer to access resources on a Microsoft network.
 Show ican in notification area when connected Notity me when this connection has limited or no connectivity
OK Cancel

3. If any components are missing, click on the Install... button to select the Client/Service/Protocol required. After selecting the component you need, click Add... to add it in.

Select Network Component Type 🛛 🛛 🔀
Click the type of network component you want to instal:
<u>⊇</u> Clert
E Service
3 Protocal
Description
Description
A client provides access to computers and ties on the network you are connecting to
Add Cancel

4. For making your computer visible on the network, make sure you have installed File and Printer Sharing for Microsoft Networks.

IP Address

Note: When assigning IP Addresses to the computers on the network, remember to have the IP address for each computer set on the same subnet mask. If your Broadband Router use DHCP technology, however, it won't be necessary for you to assign Static IP Address for your computer.

1. To configure a dynamic IP address (i.e. if your broadband Router has the DHCP technology), check the Obtain an IP Address Automatically option.

2. To configure a fixed IP address (if you broadband Router is not DHCP supported, or when you need to assign a static IP address), check the Use the following IP address option. Then, enter an IP address into the empty field; for example, enter 192.168.1.254 in the IP address field, and 255.255.255.0 for the Subnet Mask.

Internet Protocol (TCP/IP) Properties 🛛 🛛 🛛	Internet Protocol (TCP/IP) Properties 🛛 🛛 🛛			
General Altamate Configuration	General			
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.			
Obtain an IP address automatically	Obtain and address automatically			
O Use the totowing in address:	 Use the following IP address: 			
IP address:	IP addiess: 192.168.1.254			
Subnet mask:	Saturet mask: [255.255.255.0			
Default gateway:	Default gateway:			
Obtain DNS server address automatically	Obtain DNS server address automatically			
O Use the following DNS server addresses:	Output the following DNS server addresses:			
Preferred DNS server:	Preferred DNS server:			
Alternate DNS server:	Allemete DNS server:			
Advanced .	Advanced			
OK Cancel	OK Cancel			

CONFIGURATION UTILITY

After the Wireless adapter has been successfully installed, users can use the included Configuration Utility to set their preference. Go to Start \rightarrow (All) Programs \rightarrow Ralink Wireless \rightarrow Ralink Wireless Utility.



You can also open the Configuration Utility by double clicking the icon or right clicking to select Launch Config Utilities.

Launch Config Utilities	1
Use Zero Configuration as Configuration utility	
Switch to AP Mode	
Exit	Э.
	4

Intelligent Wireless Utility

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. The Profile manager enables you to Add, Edit, Delete and Activate profiles.

Profile	LLL Network Ad	tvanced) Statistics	N/MM	() VPS	60
	Pro	fie List				
					Profile Name >>	
					SSID >>	
					Network Type >>	
					Authentication >>	
					Encryption >>	
					Lise 802.1x >>	
					Channel >>	
					Power Save Wode >>	
					Ty Power ss	
					DTS Threshold as	
					Francisk The shald	
					Frogment Inresnoio >>	
Add	Edit	Delet	to 4/			
-		0.010		ctivate		
Stat	tus >> 802.11g-AP -Win	eless «> 00-E	E0-98-88-88-02	ctivate	Link Quality >> 100%	
Stat Extra In	tus >> 802.11g-AP -Win 110 >> Link is Up [TXPox	ələss <> 00-8 vər:100%q	E0-98-88-88-02	ctivate	Link Quality >> 100% Signal Stra ngth 1 >> 47 %	
Stat Extra in Chani	tus >> 802.11g-AP -Win 11o >> Link is Up (TxPow nal >> 2 <> 2417 MHz	eless <> OD-E ver:100%q	E0-98-88-88-02	ctivate	Link Quality >> 100% Signal Strongth 1 >> 47% Signal Strongth 2 >> 55%	
Stat Extra in Chan Authenticati	tus >> 802.11g-AP -Win 16 >> Link is Up (TxPov nal >> 2 <> 2417 MHz Ian >> Uhknown	eless <> OD-E ver:100%	E0-98-88-88-02	ctivate	Link Quality >> 100% Signal Strangth 1 >> 47% Signal Strangth 2 >> 55% Signal Strangth 2 >> 61%	
Stat Extra in Chan Authenticati Encrypti	tus >> 802.11g-AP -Win 110 >> Link Is Up [TxPow nal >> 2 <> 2417 MHz Ian >> Unknown ian >> Name	ələss <> OD-E vər:100%q	E0-96-85-88-02	ctivate	Link Quality >> 100% Signal Strength 1 >> 47% Signal Strength 2 >> 55% Signal Strength 3 >> 61% Note Strength >> 25%	-
Stat Extra in Chani Authenticati Encrypti Network Ty	tus >> 802.11g-AP -Win nto >> Link is Up (TxPov nal >> 2 <> 2417 AHz Ian >> Unknown ian >> Name pe >> Infrastructure	eless «> OD-E ver: 100%)	E0-98-88-88-02	ctivate	Link Quality >> 100% Signal Strongth 1 >> 47% Signal Strongth 2 >> 55% Signal Strongth 3 >> 81% Naize Strength >> 26% Transmit	
Stat Extra in Chani Authenticath Encrypti Network Ty IP Addre	tus >> 802.11g-AP -Win 110 >> Link is Up (TxPov nal >> 2 <> 2412 MHz Ian >> Unknown ian >> Name pe +> Infrastructure ass >> 192.168.1.33 ch >> 252 252 0	eless <> OC-F vert100%	E0-76-85-88-02	ctivate	Link Quality >> 100% Signal Strongth 1 >> 47% Signal Strongth 2 >> 55% Signal Strongth 3 >> 81% Notee Strength >> 26% Transmit Link Speed >> 54.0 Mbps	
Stat Extra in Chan Authenticati Encrypti Network Ty IP Addre Sub Ma	tus >> 802.11g-AP -Win 16 >> Link is Up (TxPov nal >> 2 <> 2417 MHz tan >> Unknown ian >> Name pe >> Infrastructure ass >> 192.168.1.33 ask >> 255.255.255.0	eless <> OD-F	E0-96-88-88-02	ctivate	Link Quality >> 100% Signal Strength 1 >> 47% Signal Strength 2 >> 55% Signal Strength 3 >> 61% Notes Strength >> 26% Transmit Link Speed >> 54.0 Mbps Throughput >> 0.000 Kbps 2.	ex 040
Stat Extra in Chani Authenticati Encrypti Network Ty IP Addre Sub Ma Default Gatew	tus >> 802.11g-AP -Win 10 >> Link is Up [TxPoy nal >> 2 <> 2417 MHz lan >> Uhknown ian >> Name pe >> Infrastructure ass >> 192.168.1.33 ask >> 255.255.255.0 lay >>	eless «> 00-F ver:100%	E0-98-88-8B-02	ctivate	Link Quality >> 100% Signal Strength 1 >> 47% Signal Strength 2 >> 55% Signal Strength 3 >> 81% Nates Strength >> 26% Transmit Link Speed >> 54.0 Mbps Throughput >> 0.000 Kbps Signal Strength >> 20	ex 040 0ps
Stat Extra in Chan Authenticati Encrypti Network Ty IP Addre Sub Ma Default Gatew	tus >> 802.11g-AP -Win 110 >> Link 15 Up (TxPov nal >> 2 <> 2412 MHz Ian >> Uhknown ian >> Name pe +> Infrastructure ess >> 192.168.1.33 esk >> 255.255.255.0 iay +> HT	eless <> OC-B	E0-98-88-88-02	ctivate	Link Quality >> 100% Signel Strength 1 >> 47% Signel Strength 2 >> 55% Signel Strength 3 >> 81% Naise Strength >> 26% Transmit Link Speed >> 54.0 Mbps Throughput >> 0.000 Kbps Pacetve	
Stat Extra in Chan Authenticati Encrypti Network Ty IP Addre Sub Ma Default Gatew BW >> n/a	bus >> 802.11g-AP -Win 110 >> Link is Up [TxPov nal >> 2 <> 2417 MHz Ian >> Unknown ian >> Name pe +> Infrastructure ass >> 192.168.1.33 isk >> 255.255.255.0 iay +> HT	eless <> OD-F ver:100%; SNR0 >>	∞ n/a	ctivate	Link Quality >> 100% Signal Strongth 1 >> 47% Signal Strongth 2 >> 55% Signal Strongth 3 >> 61% Notee Strongth 3 >> 61% Transmit Link Speed >> 54.0 Mbps Throughput >> 0.000 Kbps Pacetive Link Speed >> 1.0 Mbps Throughput >> 0.920 Kbps	
Stat Extra in Chan Authenticati Encrypti Network Ty IP Addre Sub Ma Default Gatew BW >> n/a GI >> n/a	bus >> 802.11g-AP -Win nto >> Link is Up (TxPov nal >> 2 <> 2417 MHz lan >> Unknown ian >> Name pe >> Infrastructure ass >> 192.168.1.33 sk >> 255.255.255.0 gy >> HT	eless <> OD-F ver:100% SNRO >> SNR1 >>	= n/a > n/a	ctivate	Link Quality >> 100% Signal Strength 1 >> 47% Signal Strength 2 >> 55% Signal Strength 3 >> 61% Notes Strength >> 26% Transmit Link Speed >> 54.0 Mbps Throughput >> 0.000 Kbps Receive Link Speed >> 1.0 Mbps Throughput >> 9,920 Kbps	Aax 0-40 0pp5

Profile Tab					
Profile Name	You may enter a distinctive name of profile in this column. The default is PROF# (# 1, #2, #3)				
SSID	The SSID is the unique name shared among all points in your wireless network.				
Network Type	Shows the network type of the device, including infrastructure.				
Authentication	Shows the authentication mode.				
Encryption	Shows the encryption type.				
Use 802.1x	Whether or not use 802.1x feature.				
Channel	Shows the selected channel that is currently in use. (There are 13 channels available, depending on the country.)				
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	Shows the RTS Threshold of the device.				
Fragment Threshold	Shows the Fragment Threshold of the device.				
Add	Click to add a profile from the drop-down screen. System Configuration tab:				

Network The Network page displays the information of surrounding APs from last scan result. The tab lists the information including SSID, Network type, Channel, Wireless mode, Security-Enabled and Signal.

1🥉 RaUl									
Profile	Network	Advanced) Statistics	W	WH WH	Ø WPS			? 1
Sorted by >>	SSID	٥	Channel	AP List) Signa	L:		Show dBm	
B02. 11g-AP			1011	B g fi	100%	-			-
aaa			13		55%				
AlbertY-200)		100		76%				
AP			101		55%				
AP1			100	Ba	100%				
APPA			106		70%				
asus			1011	B g	B1%	_			
Broadcom			1011	a a	B1%	_			
skl			1311	a a	76%	_			
TAD			100	bg 9	34%				~
Reican	Connec	t Add to	Profile						
Stat	tus >> 802.11e-AP	-Mircless <>00	-E0-58-88-88-0	z			Link Quality >	> 100%	
Extra Ir	nfa 🏊 Link is Up (TxPower:100%					Signal Streng <mark>th</mark>	1 >> 50%	
Chan	nel >> 2 <> 2417	MH2					Stenal Strongth	2 >> 50%	
Authenticat	ion >> Unknown						Signal Strength	3 ×× 70%	
Encrypt Network Tu	non xx lugne ang xx linfkastkurt	1160					Noise Strength	>> 26%	
IP Addre	ess >> 192,168,1.	33				Transmit	va. Ed 0 Mbor	Max	
Sub-Ma	auk >> 255.255.25	5.0				Throughout	> 94.0 Mops >> 0.000 Kbps		
Default Gatew	uay ⊳>							7,480 Kbps	
	HI	r				Receive			
BW >> nJa		SNRD	⊳ n/a			Link Speed	>> 1.0 Wbps	Мак	
GI≫ n/a	MCS >> n	/a SNR1	≫ n/a			Throughput	>> 9.424 Kbps	1.770 Mbps	

Network Tab	
Sorted by	Indicate that AP list are sorted by SSID, Channel or Signal.
Show dBm	Check the box to show the dBm of the AP list.
SSID	Shows the name of BSS network.
Network Type	Network type in use, Infrastructure for BSS.
Channel	Shows the currently used channel.
Wireless mode	AP support wireless mode. It may support 802.11a, 802.11b, 802.11g or 802.11n wireless mode.

Encryption	Shows the encryption type currently in use. Valid value includes WEP, TKIP, AES, and Not Use.	
Signal	Shows the receiving signal strength of specified network.	
Rescan	Click to refresh the AP list.	
Connect	Select an item on the list and then click to make a connection.	
Add to Profile	Select an item on the list and then click to add it into the profile list.	
Link status	Statu >> 802.15g.4F - Mineless <-> 00-EI-98-88-88-02 Link (Gualdy >> 1004) Extra Info >> Link (EUp (TxRower 1008) Signal Stangth 1 >> 87% Charoni >> 1 <-> 0417 Mila Signal Stangth 1 >> 87% Authentication >> linknown Signal Stangth 1 >> 87% Encryption >> link is Up (TxRower 1008) Signal Stangth 1 >> 87% Material >> 102.562, 205.205.00 Note Stringth >> 20% Default Gatewary >> HT BW >> n/a SND >> n/a BW >> n/a SND >> n/a	
Status	Shows the current connection status. If there is no connection existing, it will show Disconnected.	
Extra Info	Shows the link status.	
Channel	Shows the current channel in use.	
Authentication	Authentication mode used within the network, including Unknown, WPA-PSK, WPA2-PSK, WPA and WPA2.	
Encryption	Shows the encryption type currently in use. Valid value includes WEP, TKIP, AES, and Not Use.	
Network Type	Network type in use, Infrastructure for BSS.	
IP Address	Shows the IP address information.	
Sub Mask	Shows the Sub Mask information.	
Default Gateway	Shows the default gateway information.	
Link Quality	Shows the connection quality based on signal strength and	

	TX/RX packet error rate.	
Signal Strength 1, 2 and 3	Shows the Receiving signal strength, you can choose to display as percentage or dBm format.	
Noise Strength	Shows the noise signal strength.	
Transmit	Shows the current Link Speed and Throughput of the transmit rate.	
Receive	Shows the current Link Speed and Throughput of receive rate.	
Link Speed	Shows the current transmitting rate and receiving rate.	
Throughput	Shows the transmitting and receiving throughput in the unit of K bits/sec.	

AP information

When you double click on the intended AP, you can see AP's detail information that divides into three parts. They are General, WPS, CCX information. The introduction is as following:

General	General WPS CCX	
	AAC Address > 00-01-90-00-00-00-00	Second Strength to AMA
	Authentication Type >> Unknown Encryption Type >> None Channel >> 2 <=> 24/17 MHz Network Type >> Infrastructure Beacon Interval >> 100	-Supported Rate: (klbpc) 1, 2, 5, 5, 11, 6, 9, 12, 19, 24, 36, 48, 54
	General information contain Authentication Type, Encryptic Beacon Interval, Signal Strengt OK : Click this button to exit th	* AP's SSID, MAC address, on Type, Channel, Network Type, th and Supported Rates. e information screen.

WPS	General WPS CCX	
	Authentication Type >> Unknown	State >> Unknown
	Encryption Type >> None	Version >> Unknown
	Config Methods >> Linknown	AP Setup Locked >> Unknown
	Device Password ID >>	UUIDE >> Unknown
	Selected Registrer >> Unknown	Rf Bands Unknown
	_	OK
	WPS information contains Auth Config Methods, Device Passw Version, AP Setup Locked, UU	nentication Type, Encryption Type, vord ID, Selected Registrar, State, ID-E and RF Bands.
	Authentication Type: There modes supported by RaConfig. and WPA system.	are four types of authentication They are open, Shared, WPA-PSK
	Encryption Type : For open an selection of encryption type WPA2, WPA-PSK and WPA encryption type supports both T	nd shared authentication mode, the are None and WEP. For WPA, .2-PSK authentication mode, the KIP and AES.
	Config Methods : Correspond t an Enrollee for adding external i	to the methods the AP supports as Registrars.
	Device Password ID: Indica specific password that the select	te the method or identifies the ted Registrar intends to use.
	Selected Registrar: Indicate if Registrar to add an Enrollee "FALSE".	f the user has recently activated a e. The values are "TRUE" and
	State: The current configurati "Unconfigured" and "Configure	on state on AP. The values are d".
	Version: WPS specified version	1.
	AP Setup Locked: Indicate if A	P has entered a setun locked state
	UUID-E: The universally un generated by the Enrollee. There	nique identifier (UUID) element e is a value. It is 16 bytes.
	RF Bands: Indicate all RF dual-band AP must provide in "5GHz".	bands available on the AP. A t. The values are "2.4GHz" and
	OK : Click this button to exit the	e information screen.

CXX	
	General WPS CCX
	COXM >> FALSE
	Cnie >> FaLSE
	Otip >> F#LSE
	CK
	CCX information contains CCKM, Cmic and Ckip information.
	OK : Click this button to exit the information screen.

Advanced

This Advanced page provides advanced and detailed settings for your wireless network.

Profile	Network	Advanced	Statistics	WWW	W PS	w.
Wireless made >>	802,1187	G/N mix	•	Enable CCX (Cisco	Compatible eXtensions)	
				Turn on CCKM		
			E	Encole Radia M	pasurements	
Enable TX Bur	st			Non-Servi	ng Channel Weasurements limit 🛛	2.50 ms (0-2000)
Enable TCP W	indow Size					
Fast Roaming	at .70 dBm					
Show luthers!	ication Status Dr	alos				
	log tion status p	305				
Celect	Your Country Re	aion Code				
Sdept	Your Country Re	sgion Code				
Select Select	Your Country Re	egion Code	•			
Select Select H B/G >> Apply	Your Country Re 0: CH1-11	egion Code	×			
Scient Augustan Scient Augus Status Extra Info	Your Country Re 0: CH1-11 >> 802.11g-AP -1 >> Link is Up T2	sgion Code Wireless ↔>00 Power:1009	▼ 0-£0-90-08-68-02		Link Quality	►► 100%
Select Select Apply Status Extra Info Channel	Your Country Re 0: CH1-11 >> 802.11g-AP -1 >> Link is Up (1) >> 2> 2-(17 fr	xgion Code Wireless ≪> >00 Power:10030 H2	►E0-90-08-08-02		Link Quality Signal Strength Sacrad Strength	>> 100M 1 >> 51% 2 >> 5106
Select Select Apply Status Extra Info Channel Authentication	Your Country Re 0: CH1-11 >> 802.11g-AP -1 >> Link is Up [1> >> 2 <-> 2-117 M >> Unknown	wireless <->00 Power:100%	► E0-50-88-68-02		Link Quality Signal Strength Signal Strength Signal Strength	>> 100% 1 >> 51% 2 >> 51% 3 >> 70%
Select Addition Select H B/G >> Apply Status Extra Info Channel Authentication Encryption	Your Country Re 0: CH1-11 >> 802.11g-AP = >> Link is Up [1> >> 2 ~~> 2-117 // >> Unknown >> None	wireless «~>00 Power:1000) Huz	► E0-90-88-68-02		Link Quality Signal Strength Signal Strength Signal Strength Noise Strength	>> 100% 1 ≥> 51% 2 ≥> 51% 3 ≥> 70% n ≻> 26%
Select Addition Select H B/G >> Addy Status Extra Info Charned Authentication Encryption Network Type	Your Country Re 0: CH1-11 >> 802.11g-AP -1 >> Link is Up [1> >> 2 ~~> 2-117 & >> Unknown >> None >> Infrastructu	wireless ++> 00 Power: 1003 Hz Te	×0-90-08-08-02		Link Quality Signal Strength Signal Strength Signal Strength Noise Strength Fransmit	>> 100% 1 >> 51% 2 >> 51% <mark>3 >> 70%</mark> h >> 26%
Status Select H B/G >> Apply Status Extra Info Charnet Authentication Encryption Network Type IP Address	Your Country Re 0: CH1-11 >> 802.11g-AP = >> Link is Up (T) >> 2 <> 2-(17 M >> Unknown >> None >> Infrastructu >> 192.168.1.33	wireless <=> 00 Power: 1008 H2 IE	►£0-90-08-08-02		Link Squality Signal Strength Signal Strength Noise Strength Pransmit Link Speed >> 54.0 Mbps	 ► 100% 1 >> 51% 2 >> 51% 3 >> 70% n >> 26% Max
Select Select H B/G >> Apply Status Extra Info Chained Authentication Encryption Network Type IP Address Sub Wask	Your Country Re 0: CH1-11 >> 802.11g-AP -1 >> Link is Up (T) >> 2> 2-117 // >> Uhknown >> None >> Infrastructu >> 192.168.1.03 >> 255.255.255.	wireless <-> 00 Power:100% Itiz Itiz 0	►E0-90-08-60-02		Link Quality Stand Strendth Stand Strendth Stand Strendth Noise Strendth Fransmit Link Speed >> 54.0 Wbps Throughput >> 0.000 Kbps	 ► 100K 1 >> 51% 2 >> 70% n >> 26% Max 0, 140
Status Select H B/G >> Apply Status Extra Info Channel Authentication Encryption Network Type IP Address Sub Wask Default Gateway	Your Country Re 0: CH1-11 >> 802.11g-AP -1 >> Link is Up [1> >> 2 <-> 2-117 M >> Unknown >> None >> Infrastructu >> 192.168.1.02 >> 255.255.255. >>	Wireless ++>00 Power:1008) Htz 10 0	▼		Link Quality Signal Strength Signal Strength Signal Strength Noise Strength Pransmit Link Speed >> 54.0 Mbps Throughput >> 0.000 Kbps	 >> 100K 1 >> 51% 2 >> 50% 3 >> 20% m >> 26%
Select Select 1 B/G >> Apply Status Extra Info Chained Authentication Encryption Network Type IP Address Sub Wask Default Gateway	Your Country Re 0: CH1-11 >> 802.11g-AP = >> Link is Up [7) >> 2 <> 2-117 M >> Unknown >> None >> Infrastructu >> 192.168.1.03 >> 255.255.255. >> HT	Wireless -> 00 Power:1003 Hz 10 0	► E0-90-08-00-02		Link Quality Signal Strength Signal Strength Noise Strength Fransmit Link Speed >> 54.0 Mbps Throughput >> 0.000 Kbps Receive	 Max Max D.160 Max
Select Address Select H B/G >> Apply Status Extra Info Channel Authentication Encryption Network Type IP Address Sub Wask Default Gateway	Your Country Re 0: CH1-11 >> 802.11g-AP -1 >> Link is Up [7) >> 2> 2-117 // >> Unknown >> None >> Infrastructu >> 192.168.1.03 >> 255.255.255. >> HT	wireless <> 00 Power:1003(IH2 IF2 SNP0	►E0-90-00-00-02		Link Quality Signal Strength Signal Strength Noise Strength Pransmit Link Speed >> 54.0 Mbps Throughput >> 0.000 Kbps Receive Link Speed >> 1.0 Mbps	 Max Max Max Max Max Max

Advanced Tab			
Wireless mode	Select wireless mode. There are 802.11b/g/n mixed, 802.11b only and 802.11b/g mixed modes are supported. Default mode is 802.11b/g/n mixed.		
Enable Tx Burst	Check to enable the burst mode.		
Enable TCP Window Size	Check to increase the transmission quality.		
Fast Roaming at	Check to set the roaming interval, fast to roaming, setup by transmits power.		
Show	When you connect AP with authentication, choose		

Authentication Status Dialog	whether show "Authentication Status Dialog" or not. Authentication Status Dialog displays the process about 802.1x authentications.
Enable CCX (Cisco Compatible extensions)	 Check to enable the CCX function. Turn on CCKM Enable Radio Measurements: Check to enable the Radio measurement function. Non-Serving Measurements limit: User can set channel measurement every 0~2000 milliseconds. Default is set to 250 milliseconds.
Apply	Click to apply above settings.

Statistics

The Statistics screen displays the statistics on your current network settings.

Profile	Network Advar	nced Statistic	s WIMA WP	5	0
Transmi	t Receiv	e			
Frames Tra	nomitted Successfully		-	450	
Frames Ret	ransmitted Successfully			39	
Frames Fail	To Receive ACK After All	Retries		0	
RTS Frames	Successfully Receive CT!			0	
RTSFrames	Fail To Receive CTS		2	0	
Reset Counter					
Reset Counter Status	>> 002.11g-AP -Wireless	<> 00-E0-50-08-08-	02	i ma "Junity -> 160%	
Reset Counter Status Extra Info	>> 802.11g-AP -Wireless >> Link is Up [TxPower:	< > 00-E0-98-88-88-	02	Link Stality ->- 100%	_
Reset Counter Status Extre Info Channel	>> 802.11g-AP -Wireless >> Link is Up [TxPower: >> Z <-> 2417 MHz	<>00-£0-60-68-68-	02	Link Stanlity - 5-100% Stand Strength 1 >> 49% Stand Strength 2 >> 55%	
Reset Counter Status Extra Info Channel Authentication	>> 802.11g-AP -Wineless >> Link is Up [TxPower: >> 2 <> 2412 MHz >> Uhknown >> Dince	> 00-E0-90-88-68-	02	Link Cosity ->- 100% Stand Parcigth 1 >> 49% Stand Strength 2 >> 55% Stand Strength 2 >> 25%	
Reset Counter Status Extre Info Channel Authentication Encryption Network Time	»> 802.11g-AP -Wireless >> Link is Up [TxPower: >> 2 <-> 2417 MHz >> Unknown >> None >> Infrostructure	> 00-E0-98-88-88-	02	Link Stality ->- 1004 Signal Strangth 1 >>- 49% Signal Strangth 2 >> 55% Signal Strangth 3 >>- 26% Notse Strangth >>- 26%	
Reset Counter Status Extre Info Channel Authentication Encryption Network Type IP Address	 » 802.11g-AP -Wineless » Link is Up [TxPower: » 2 <> 2417 MHz » Unknown » None » Infrastructure » 192.168.1.33 		02 Transmit	10% Satellity ->- 100% Signal Strength 1 >> 49% Signal Strength 2 >> 55% Signal Strength 2 >> 26% Noise Strength >> 26% Dead >> 54.0 Where	
Reset Counter Status Extre Info Channel Authentication Encryption Network Type IP Address Sub Wask	 >> 802.11g-AP -Wireless >> Link is Up [TxPower: >> 2 <> 2412 MHz >> Unknown >> None >> Infrastructure >> 192.168.1.33 >> 255.255.255.0 	> 00-E0-90-88-00- 000q	02 Transmit Link Sj Throug	Link Stality ->- 100M Stand Strength 1 >> 49% Stand Strength 2 >> 55% Stand Strength 2 >> 24% Noise Strength >> 26% pead >> 54.0 Mbps thout >> 0.000 Kbps	
Reset Counter Status Extra Info Channel Authentication Encryption Network Type IP Address Sub Wask Default Gateway	BD2.11g-AP -Wireless >> Link is Up [TxPower: >> 2 <-> 2417 MH2 >> Unknown >> None >> Infrastructure >> 192.168.1.33 >> 255.255.255.0 >>	> 00-E0-98-88-88-	02 Transmit Link Si Throug	Link Stality >> 1608 Space Strength 1 >> 49% Stand Strength 2 >> 55% Stand Strength >> 26% Notes Strength >> 26% peed >> 54.0 Mtps thput >> 0.000 Ktps Units	
Reset Counter Status Extre Info Channel Authentication Encryption Network Type IP Address Sub Wask Default Gateway	 > 802.11g-AP -Wireless >> Link is Up [TxPower: >> 2 <-> 2417 MHz >> Unknown >> None >> Infrastructure >> 192.168.1.33 >> 255.255.255.0 >> HT	> 00-£0-50-08-08-	02 Transmit Link Sj Throug Pacetve –	10% Samility ->- 100M Signal Strength 1 >> 49% Signal Strength 2 >> 55% Signal Strength >> 26% Noise Strength >> 26% pead >> 54.0 Wbps (hex 0.160 Kops	
Reset Counter Status Extre Info Channel Authentication Encryption Network Type IP Address Sub Wask Default Gatessay	»> 802.11g-AP -Wineless »> Link is Up [TxPower: »> 2 <> 2412 MHz »> Unknown »> None »> Infrastructure »> 192.168.1.33 »> 255.255.255.0 »> HT	> 00-E0-56-68-66- 1003g SNR0 +> n/a	02 Transmit Link Sj Throug – Receive – Link Sj	Link:Saniky >> 1005 Link:Saniky >> 1005 Link:Saniky >> 49% Signal Strength 3 >> 26% Noise Strength >> 26% Pased >> 54.0 Wbps Max Link:Saniky >> 0.000 Kbps peed >> 1.0 Waps Max	

Transmit	
Frames Transmitted Successfully	Shows information of frames successfully sent.
Frames Retransmitted Successfully	Shows information of frames successfully sent with one or more reties.
Frames Fail To Receive ACK After All Retries	Shows information of frames failed transmit after hitting retry limit.
RTS Frames Successfully Receive CTS	Shows information of successfully receive CTS after sending RTS frame

RTS Frames Fail To Receive CTS	Shows information of failed to receive CTS after sending RTS.
Reset Counter	Click this button to reset counters to zero.

18 RaUI							×
Profile Network /	Advanced	A Statistics	ALS NYMM	Ø WPS			😵 💡 R
Transmit R	ecetve						
Frames Deceived Successfully						16	
Frames Received With CRCE	101			2		758	
Frames Dropped Due To Out+	of-Resource			4		0	
Duplicate Frames Received	Duplicate Frames Received					0	
Rexet Counter							
Status >> 802.11g-AP -Y	Arcless <> 00-E0	-98-88-88-02			Link Quality as	100%	
Extra Info 🗠 Link is Up (TxP	ower:100%]				Signal Strength	>> 55%	_
Channel >> 2 <> 2417 Mb	iz				Signal Strength Z	>> 55%	
Authentication >> Unknown					Signal Strength 3	× × 76%	
Encryption >> None					Noise Strength >	> 26%	
Network Type >> Infrastructure				Transmit ——			
IP Address >> 192.168.1.03				Link Speed >	> 54.0 Mbps	Max	
Sub Mask >> 255,255,255,0 Default Gateway >>	1			Throughput >	 0.000 Kbps 	D. 160 Khps	
				Receive			
BW >> n/a	SNPO >> r	n/a		Link Speed >	> 1.0 Wops	No.	
Gl≯+n/a MCS≯>n/a	SNR1 >> r	n/a		Throughput >	9.424 Kbps	9.920 Hbps	

Receive Statistics	
Frames Received Successfully	Shows information of frames Received Successfully.
Frames Received With CRC Error	Shows information of frames received with

	CRC error.
Frames Dropped Due To Out-of-Resource	Shows information of frames dropped due to resource issue.
Duplicate Frames Received	Shows information of duplicate received frames.
Reset Counter	Click this button to reset counters to zero.

WMM / QoS

The WMM page shows the Wi-Fi Multi-Media power save function and Direct Link Setup that ensure your wireless network quality.

Profile	- E - E -				-	64 A
Profile	and the second s	a contraction of the second se	M	Gos	()	
	Network	Advanced	Statistics	VVVVVV	WPS	
Wild Setup Stat	tus					
UK MA	(>> Enabled	Ромег	Save >> Disabled			Direct Link ++ Disabled
NAME NO REAL	Enable					
	WWW - Power Save	e Enable				
	AC_BK		VC_BE	AC_VI	□ AC_1/0	
	Direct Link Setup	Enable				
	AAC Address			Timedut V	aue >> 60 sec	indu
		I.I.I.				1000
						Tear Daxn
Statu	us >> 602,11g-AP -	Wireless <> 00	HE0-96-00-00-02		199.00.00	×
Stati Extra Ini	us ∞ 6002,11g+AP - fo ∞ Linnk is Up ∏r	Wireless <> 00 (Power:100%)	-20-90-00-00-02		Link quan Gana Gran	<mark>ry → 1005</mark> oth 1 → 495
Statu Extra ini Chann	us >> 602.11g-AP - fo >> Link is Up (T> al >> 2 <> 2417 b	Wireless <> 00 Power:100%] (Hz			Link, Quain Dignal Share Shared Sh. a nk	<mark>ay ⊳ 10005</mark> 2011 ≫ 49% 2012 ≫ 44%
Statu Extra Ini Chann Authenticatio	us ≫ 602, 11g-AP - fo ≫ Link is Up (Ts el x> 2 <> 2417 k an ≫ Unithown	Wireless <> 00 Power:100%] (H2	-E0-99-00-00-02		Link Spann Signal Street Signal St. <mark>ang Signal St. ang Signal St. ang</mark>	1y → 1005; 2011 → 4914 2012 → 4434 4013 → 21554
Statu Extra ini Chann Authenticatic Encryptic	us >> 602, 11g-AP - fo >> Link is Up (F) el x> 2 <> 2417 k an x> Unithown an >> None	Wireless <=> 00 Power:1008) (Hz	-E0-90-00-00-02		Link Quain Signal Street Signal Street Signal Street Noise Street	<mark>ry >> 1005;</mark> gth 1 ≫ 491% gth 2 ∞ 44% g <mark>th 3 ∞ 1</mark> 5% lgth >> 26%
Statu Extra Ini Chann Authenticatio Encryptic Natwork Typ	us >> 602, 11g-AP - fo >> Link is Up (T> el >> 2 <> 2417 k sn >> 24 <> 2417 k sn >> None sn >> None	Wireless <~> 00 Power:1008] (Hz	-E0-99-00-00-02	T	Link Quan dignal dina Signal Streng Signal Streng Noise Stren ranomit	<mark>19 -> 1008;</mark> 201 1 >> 4916 201 2 -> 44% 4 <mark>0 3 -> 2</mark> 5% gth >> 26%
Statu Extra Ini Chann Authenticatic Encryptic Natwork Typ IP Addres	us >> 602, 11g-AP - fo >> Link is Up (T> el >> 2 <> 2417 k sn >> 24 <> 2417 k sn >> 2417 k unithown sn >> None se >> Infrastructu ss >> 192, 168, 1, 33	Wireless <~> 00 Power:1008) (Hz re	-E0-99-00-00-02	T	Link Quan dignal Strang Signal Strang Right Strang Right Strang rangmit Link Speed Her 54.0 Mbps	t <mark>y → 100%</mark> gth 1 ≫ 49% gth 2 ∞ 44% gth 2 ∞ 44% gth >> 26%
Statu Extra Ini Chann Authenticathic Encryptic Network Typ IP Addres Sub Mas	us >> 802.11g-AP - fo >> Link is Up (T> el >> 2> 2417 k un >> Nune un >> Nune un >> Nune un >> 192.168.1.33 ik >> 255.255.255.	Wireless <~> 00 Power:100%) (Hz rs 3	-E0-99-00-00-02	Ţ	Link Quan dignal Strang Signal Strang Richter Strang ransmit Link Speed >> 54.0 Mbps Throughput >> 0.000 Mbps	27 -> 1005 250 1 >> 49% 250 2 >> 44% 250 3 92% 25% 26%
Statu Extra Ini Chann Authenticathic Encryptic Network Typ IP Addres Sub Mas Sub Mas	us >> 602.11g-AP - fo >> Link is Up (T> el >> 2> 2417 k en >> 2417 k en >> None en >> None en >> Infrastructu ss >> 192.168.1.33 ik >> 255.255.255.	Wireless <~> 00 Power:1008) (Hz rs 8 .0	-E0-99-00-00-02	Ţ	Link Quan dignal Strang Signal Strang Richter Strang Richter Strang Link Speed >> 54,0 Mbps Throughput >> 0,000 Hbps	M → 100% 201 1 >> 49% 201 2 >> 44% 201 3 977 15% 10 1 5% 10 1 5% 0.160 0.160
Statu Extra Ini Chann Authenticathic Encryptic IP Addres Sub Mas Sub Mas	us >> 602.11g-AP - fo >> Link is Up (T) el >> 2> 2417 k sn >> 2417	Wireless <> 00 Power:1008) (Hz rs) .0	-ED-99-00-00-02	T	Link Quern Signel Street Signel Street Richter Street ranomit Link Speed >> 54,0 Mbps Throughput >> 0,000 Mbps ecoure	Macx 2011 >> 49% 2011 >> 49% 2011 2 >> 44% 2011 2 >> 44% 2012 25% Macx 0.160 Ebps
Statu Extra Ini Chann Authenthoathic Encryptic Natwork Typ IP Addres Sub Mas Default Gatewe B00 xx n/a	us >> 602, 11g-AP - fo >> Link is Up [7) al >> 2 <> 2412 is n >> Nane an >> Nane as >> Infrastructu ss >> 192, 168, 1.33 dt >> 255, 255, 255, ay >> HT	Wireless <> 00 (Power:100%) (Hz rs) .0 	-E0-90-00-00-02	Ţ	Link Quan dignal Street Signal Street Tignal Street Diotae Street Provident Street Link Speed >> 54.0 Mbps Throughput >> 0.000 Hbps ecolve Link Speed >> 1.0 Mbps	Ng =>> 1000;5; gth 1 >>> 4905; gth 2 >>> 443; chic3 >>2;65; 55% gth >>> 26%; Max; 0,160 Kbps; 440;
Statu Extra Ini Chann Authenticathic Encryptic Network Typ IP Addres Sub Mas Sub Mas Default Gatewe BW >> n/a Glass n/a	us >> 602, 11g-AP - fo >> Link is Up (T) el >> 2 <> 2417 k sn >> 24	Wireless <> 00 Power:1006) (Hz rs 5 .0 SNR0: SNR0:		Ţ	Link Quan dignal Street Signal Street Tionse Street Plonse Street Ink Speed >> 54,0 Mbps Throughput >> 0,000 Mbps ecolue Link Speed >> 1,0 Mbps Throughput >> 9,920 Mbps	Ng => 10018; 2th 1 >> 4918 2th 2 >> 44% dust 2 >> 44% dust 3 >> 25% Max 0.160 Kbps Max

WMM Enable	Check the box to enable Wi-Fi Multi-Media function.			
WMM- Power Save Enable	Select which ACs you want to enable.			
Direct Link Setup Enable	Check the box to enable Direct Link Setup.			
MAC Address	The setting of DLS indicates as follow : Fill in the blanks of Direct Link with MAC Address of STA, and the STA must conform to two conditions:			
	 Connecting with the same AP that supports DLS feature. DSL exchange 			
Timeout Value	 DSL enabled. Timeout Value represents that it disconnect automatically after few seconds. The value is integer that must be between 0~65535. It represents that it always connects if the value is zero. Default value of Timeout Value is 60 seconds. 			
Apply	Click this button to apply the settings.			
Tear Down	Select a direct link STA, then click "Tear Down" button to disconnect the STA.			

WPS

The primary goal of Wi-Fi Protected Setup (Wi-Fi Simple Configuration) is to simplify the security setup and management of Wi-Fi networks. The STA as an Enrollee or external Registrar supports the configuration setup using PIN (Personal Identification Number) configuration method or PBC (Push Button Configuration) method through an internal or external Registrar.

Radio On/Off



Network Advanced Statistics



Click this icon to turn on radio function.



Click this icon to turn off radio function.

About



M.

WIWA

Ø WPS

Click this button to show the information of the wireless card including, RaConfig Version/ Date, Driver Version/ Date, EEPROM Version, Firmware Version and Phy_Address.

Profile	Network	Advanced	Statistics	WIMA	Ø WPS			R
		e) Copyright 2007,	Ralink Technology,	inc. All rights re	served.			1
		RaConfig Version >	× 2.0.2.0		Date >> 05-15-2007			
		Driver Version >	× 1.0.3.0		Date >> 05-07-2007			
	1	Firmware Version >	⇒ D.7					
		Phy_Address >	> 00-12-0E-00-00-	12				
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UNINSTALLATION

In case you need to uninstall the utility and driver, please refer to below steps. (As you uninstall the utility, the driver will be uninstalled as well.)

1. Go to Start → Programs →Ralink Wireless → Uninstall.

-				
🦚 Windows Update	Slow∀iew	►		
	🛅 Startup	→		
Windows Movie Make	🛅 Trend Micro OfficeScan Client	→		
Files and Settings Tra	📙 Adobe Reader 8			
Wizard	🥭 Internet Explorer			
Microsoft Office Wor	🗐 Outlook Express			
	💫 Remote Assistance			
C:\ Command Prompt	🕑 Windows Media Player			
_	🚳 Windows Movie Maker			
All Programs 👂	🛗 Ralink Wireless	×	Å	Ralink Wireless Utility
	🖉 Log Off 🛛 🔘 Shu	ut Dow	2	Uninstall - RT2860

Intelligent wireless card - I	nstallShield Wizard	×
Please select one way to c	ontinue install.	
	There have existed an older version. Which way do you like to do? Remove al. Overwrite the older version install without remove.	
InstallShield	< Back Next >	Cancel

2. Select Remove all button and click Next to start uninstalling.

 Click Yes to complete remove the selected application and all of its features.



4. Select "Yes, I want to restart my computer now" and then click Finish to complete the uninstallation.

Intelligent wireless card - Ins	stallShield Wizard
	Uninstall Complete InstalShield Wizard has finished uninstaling Inteligent wireless card.
	 Yee, I want to restart my computer new. No, I will restart my computer later.
	Heinove arg dieks nom der Chves, and dien blok Finish to compete seich.
InstallShield	< Back Finish Cancel