

Hones



802.11n Wireless USB 2.0 Adapter

User's Manual

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Chapter 1 Introduction

1.1 Welcome

Thank you for purchasing Zonet ZEW2540P-802.11n wireless USB adapter. ZEW2540P connects you with IEEE802.11n networks at receiving rate up to an incredible 150Mbps! By using the reflection signal, 802.11n's "Multiple In, Multiple Out" (MIMO) technology increases the range and reduces "dead spots" in the wireless coverage area.

Soft AP supported by ZEW2540P can help you establish wireless LAN networking with lowest cost. Besides, WPS (Wi-Fi Protected Setup) simplify the security setup and management of Wi-Fi networks. Supports WMM for Multimedia Applications with Quality of Service in Wi-Fi® Networks. Especially supporting PS3, PSP, Nintendo DS and Wii connections with XLink Kai software will be your best choice to enjoy on-line gaming.

1.2 Product Feature

- Complies with IEEE 802.11n, IEEE 802.11g and IEEE 802.11b standards
- Provides USB2.0 port
- Provides 150Mbps receiving rate and 150Mbps sending rate
- Supports 20MHz/40MHz frequency width
- Auto-detects and changes the network transmission rate
- Provides two work modes: Infrastructure and Ad-Hoc
- Supports Soft AP to establish your wireless LAN networking
- supports PS3, PSP, Wii and Nintendo DS connecting with Internet and Xlink Kai to enjoy on-line gaming
- Supports 64/128-bit WEP, WPA, WPA2 encryption methods and 802.1x security authentication standard
- WPS (Wi-Fi Protected Setup) simplify the security setup and management of Wi-Fi networks.
- Supports WMM for Multimedia Applications with Quality of Service in Wi-Fi® Networks
- Supports Windows 2000 / XP / Vista / 7

1.3 Contents of Package

- One ZEW2540P
- One Installation CD w/User Manual
- One Quick Installation Guide
- One USB cable

Contact your local authorized reseller or the store purchased from for any items damaged and/or missing.

Chapter 2 Installation

NOTE:

- 1. For future driver upgrading, please visit our website at www.zonetusa.com
- 2. Snap-shot screens of the following installation procedure are based on Windows XP. Installation procedures will be similar for other windows operating systems.

1. Insert ZEW2540P into a USB slot of your computer.



2. Select *Cancel* when "Found New Hardware" window appears.



3 Insert Installation CD to your CD-ROM drive. Browse CD and double-click **setup.exe** in Driver folder to execute it. The wizard will run and install all necessary files to your computer automatically.





5. Select Install driver and Ralink WLAN Utility or Install driver only then click Next.



- Select Ralink Configuration Tool or Microsoft Zero Configuration Tool then click Next.
 - a. It's recommended to select **Ralink Configuration Tool**, which provides fully access to all function of ZEW2540P.
 - b. If you prefer to use the wireless configuration tool provided by Windows XP or Vista, please select
 Microsoft Zero Configuration Tool.





7. Click **Install** to start the installation.



You will see a tray icon R appear in your system tray at the bottom of the screen after the software and hardware installation completed successfully.

Chapter 3 Configuration

3.1 Station Mode

Station Mode is the default access mode for ZEW2540P.

In this mode, ZEW2540P serves as a client to receive the wireless signals to access the Internet.



Double-click the tray icon \mathbb{R} to launch the configuration utility. Or right click the tray icon and select **Launch Config Utility**.



3.1.1 Profile

Profile can keep your favorite wireless setting among your home, office, and other public hotspot. You may save multiple profiles and activate the one at your preference.

14 Ral	0									
	Profile	Network	Advanced	Statistic	s W		Ø WPS	Sso	CCX	-
		Pro	file List							
•	PROF1	Default			ų	1	Profile Name >> SSID >> Network Type >> Authentication >> Encryption >> Use 802.1x >> Tx Power >> Channel >> Power Save Mode >>	PROF1 Default Infrastructure Open None NO Auto Auto CAM		
A	dd Edit	Delete	Import	Export	Activate	Fra	agment Threshold >>	n/a		-

- Add: to create a new profile
- Edit: to edit/modify/change parameter of an existing profile
- **Delete:** to delete an existing profile
- Activate: to make an existing profile become active and to connect

3.1.1.1 Add/Edit Profile

a. System Configuration

Profile Name >> PROF1		Network Type >>	Infrastructure	•
SSID >> Default	-	Tx Power >>	Auto	•
		Preamble >>	Auto	Ψ
Power Save Mode >> CAM	PSM			
RTS Threshold	0	j 2347	2347	

• Power Save Mode:

- **a. CAM** (Constantly Awake Mode) ZEW2540P will stay power-ON as long as the computer is connected to a power outlet.
- **b.PSM** (Power Saving Mode) ZEW2540P will hibernate when the computer is hibernating.

• Network Type:

a. Infrastructure – A wireless Router and/or Access Point is required.

b. Ad-hoc – Peer-to-Peer network, no base station required.

• TX Power:

Amount of transmit power used by the radio transceiver to send out signal. User can choose different value in the drop down menu

• Preamble:

Only available under Ad-hoc mode. Value can be chose from Auto, Long, or Short

• Threshold:

Frame size when RTS/CTS handshake performs before attempt to transmit. **a. RTS Threshold:** Default value = 2347

b. Fragment Threshold: Default value = 2346

b. Authentication and Encryption

Authentication >>	Open	•	Encryption >>	None	•	
WPA Preshared Key >>						
Wep Кеу ————						
🙆 Key#1	Hex	-				
() Key#2	Hex	-				
Key#3	Hex	-				
@ Key#4	Hex					

- Authentication: Open, Shared, WPA(CCKM capable), WPA-PSK, WPA2(CCKM capable), WPA2-PSK, WPA-NONE
- **Encryption:** None, WEP, TKIP, AES, TKIP(MFP), AES(MFP).

c. 802.1X

			En mot		
ID \ PASSW	ORD Cli	ent Certification	Server Certificati	on	
	10 / 0				
Authentication	n ID / Password				
Identity >>		Authentication (I		Domain Name >>	
			1		
Tunnel ID / Pa:	ssword				
Turnel ID as		 Turppel Decouverd a			
runner ib >>		Tunnel Password >	²	Show Password	

3.1.2 Network

Under Network tab, you will know information of all surrounding wireless networks from the last scan.

Click **Rescan** to update and refresh.

R	RaUI								
	Profile	↓ Network	ر Advanced	Statistics	www.	Ø WPS	Sso	CCX CCX	-
	Sorted by >>	SSID	🙆 Cha	nnel 🥥	Signal		Show dBm		
	Default		16		100%				
									~
	Rescan	Add to Profi	le Cor	nect					

3.1.3 Link Status

Link status page shows detail information about the current connection.

Status >>	Default <> 0	0-01-6E-07-00-A2	Link Quality >> 100%	
			. Signal Strength 1 >> 10	0%
Extra Info >>	Link is Up (Tx	Power >>:100%]		
Channel >>	6 <> 2437 M	Hz; central channel : 6		
Authentication >>	Open			
Encryption >>	NONE		Transmit	
Network Type >>	Infrastructur	e	Link Speed >> 65.0 Mbps	
IP Address >>	192.168.0.104	4		
Sub Mask >>	255.255.255.0)	0,192	
Default Gateway >>	192.168.0.1		Receive	
	—— ni —		Link Speed >> 1.0 Mbps	
BW >> 20		SNRO >> n/a	There have been added where a second	1-
GI >> long	MCS >> 7	SNR1 >> n/a	Kbps	

3.1.4 Advanced

The Advanced tab shows Advance function of UI

Profile	u ⊷ Wetwork	کی Advanced	Statistics	www.	Ø WPS	Sso Sso	ccx
Wireless mode >>	2.4G	-					
Selec	t Your Country Re	egion Code					
2.4GHz >>	0: CH1-11		•				
 Enable TX Burst Enable TCP Win Fast Roaming a 	t dow Size t -70 dBm						

- **Enable Tx Burst:** Ralink's proprietary frame burst mode. Suggest using with an Access Point that has the same technology.
- **Enable TCP Window Size:** Check this box and the configuration utility will adjust TCP window size automatically to get better performance.
- **Fast Roaming at:** Fast to roaming, setup by transmitting power

3.1.5 Statistics

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

R. RaU	Ú I								
	Profile	Lee Network	Advanced	Statistics	WWW	Ø WPS	Sso Sso	ccx	-
	Transmit	Receive							
	Frames [*]	Transmitted Succe	essfully		-	1245			
	Frames I	Retransmitted Suc	cessfully		=	51			
	Frames I	Fail To Receive AC	K After All Retries		-	0			
-									
Re	set Counter								

3.1.6 WMM

🔒 RaUI	4								
	Profile	LLL Network	ر Advanced	Statistics	WMM	Ø WPS	Sso Sso	CCX	
-www	Setup Status WMM >> E	nabled	Power Save >	> Disabled		Direc	t Link >> Disabled	i	
	ww 🖸	M Enable WMM - Power Save	e Enable						
		AC_BK	AC_BE	AC_VI	AC_VC	i			
		MAC Address >>	Enable		Timeout Value >>	60 sec			
							A Tea	eply r Down	
									-

- WMM Enable: Enable Wi-Fi Multi-Media
- WMM Power Save Enable: Enable WMM Power Save
- Direct Link Setup Enable: Enable DLS (Direct Link Setup). This function will greatly improve the data transfer rate between WMM-enabled wireless devices.
 - **a. MAC Address:** Input the MAC address of another WMM-enabled wireless device you wish to establish a direct link.
 - **b. Timeout Value:** must be between 0~65535 in integer. If the value is zero represents it always connects. Default value of Timeout Value is 60 seconds.
 - **c. Tear Down:** If you want to remove a specific wireless device from DLS table, select the device and click this button to remove it.

3.1.7 WPS

WPS tab supports the configuration setup using PIN configuration method or PBC configuration method.

WPS(Wi-Fi Protected Setup) simplify the security setup and management of Wi-Fi networks.

RaUI								
P	Profile	Network	ر Advanced	Statistics	www.	Ø WPS	SSO	ccx 🛋
-			W	PS AP List			-	Destant
ID :	: NANOAMP_JBO 00-24-01-73-4A-		11-73-4A-79	9	9	Information		
ID :		VISWELL	-TECH	00-1C-F	3	Ð	Pin Code	
			WPS	Profile List				Config Mode
								Detail
PI	N	WPS Associate IE Progress >> 0%						Connect Rotate
PB	C	WPS Probe IE					17	Disconnect Export Profile Delete

- **PIN:** Enter the Pin code and click **PIN** to automatically connect ZEW2540P with wireless devices around.
- **PBC:** Click **PBC** to complete auto-check and connections between ZEW2540P and other wireless device.
- **Rescan:** Update information on surrounding wireless network.
- **Information:** Display the information about WPS IE on the selected network.
- **Pin Code:** 8 digit numbers.
- **Renew:** Click to update the Pin code.
- **Config Mode:** Enrollee or external Registrar.
- **Detail:** Information about Security and Key in the credential.
- **Connect:** click to connect the WPS wireless network.
- **Rotate:** Connect to the next network inside credentials.
- **Disconnect:** to disconnect the connected wireless network.
- **Export Profile:** Export all credentials to Profile.
- **Delete:** Delete an existing credential.
- WPS associate IE: Send the association request with WPS IE during WPS setup.
- **WPS probe IE:** Send the probe request with WPS IE during WPS setup.

Note: When clicking PIN or PBC button, please don't click **Rescan** within two-minute. If you want to abort this setup within the interval, restart PIN/PBC or press Disconnect to stop WPS.

3.1.8 SSO

SSO (Backup Exec for Windows servers SAN Shared Storage Option) is a strong LAN-free backup solution.

twork Advanced	Statistics		Ø	8,0	Ta	-
		00/0801	WPS	SSO	ссх	-
Enable Persiste	ent Connection					
in Winlogon						
in Profile						
ord Dialog						
: LEAP or EAP-FAST authentica	tion)			Analy		
ected profile		<u> </u>		Арру		
Profile Name >>						
SSID >>						
Authentication >>						
	in Winlogon in Profile ord Dialog t LEAP or EAP-FAST authentica Select Profile >> ected profile Profile Name >> SSID >> Authentication >>	in Winlogon in Profile ord Dialog t LEAP or EAP-FAST authentication) Select Profile >> ected profile Profile Name >> SSID >> Authentication >>	in Winlogon in Profile ord Dialog t LEAP or EAP-FAST authentication) Select Profile >> ected profile Profile Name >> SSID >> Authentication >>	in Winlogon in Profile ord Dialog t LEAP or EAP-FAST authentication) Select Profile >> ected profile Profile Name >> SSID >> Authentication >>	in Winlogon in Profile ord Dialog t LEAP or EAP-FAST authentication) Select Profile >> Control of the select Profile Name >> SSID >> Authentication >>	in Winlogon in Profile ord Dialog t LEAP or EAP-FAST authentication) Select Profile >> ected profile Profile Name >> SSID >> Authentication >>

3.1.9 CCX

🖕 Ral	л 	Gos	Ø	ĝo -	ta	P	R	•	
	Statistics	WWW	WPS	<u>Š</u> SO	CCX	Radio on/off	About	Help	
	Enable CCX (Cisco) Compatible eXte Measurements	nsions)	CAC >>	ADDTS(Dire	ectly send TS)	•	Set	
	Non-Servi	ing Channel Measu ms(0-1023)	urements limit	Diagnostic >>	Select P	rofile PROF1	•	Diagnose	
	Roaming with	h RF Parameters c Roaming		 Information of Prof 	r selected pr ile Name >> SSID >>	ofile PROF1 Default			
				Diagnosis	Capable >>	NO			
	Apply								

- Enable CCX(Cisco Compatible eXtensions):
 - Enable Radio Measurement: channel measures every 0~1023 milliseconds

3.2 AP Mode

ZEW2540P also can serve as an access point to transmit wireless signals and create wireless network, allowing other wireless clients to access the network.



Right-click the tray icon \mathbb{R} and select **Switch to AP Mode**.



3.2.1 Configuration

In soft AP configuration Utility page, you can make some basic configurations, such as wireless network name, mode, channel and authentication.

SSID Soft Wireless Mode 24	Mac Table Ever	nt Log Sta	atistics Abo nnel 1 Use Mac Ad	ut dress Sec	urity Setting
Country Region Code 2.4GHz 0: CH1-1	1	• 	T No forwar T Hide SSII ▼ Allow BW	rding among wirel) / 40 MHz	ess clients
Beacon (ms) TX Power Idle time(60 - 3600)(s)	100 %	300			

Click **Security Setting** button to make different security configurations of wireless communication, and you can choose the authentication type or encryption type.

Authentication Type	Open		Encryptio	n Type	Not Use	-
WPA Pre-shared-Ke	y Shared	ĸ				
Group Rekey Interv	al WPA2-PS	SK K/WPA2-PSK	ds			
√ер Кеу						
€ Key#1	Hex	-				
C Key#2	Hex	¥				
C Key#3	Hex	<u> </u>				
C Key#4	Hex	<u>*</u>				
*1WEP 64 Bit	s Encryption:	Please Keyin 1	0 HEX charact	ers or 5	ASCII charac	ters
WEP 128 BR	senciyption: I	niease Neyin 2	CONTEA Charact	ers of 13	Apon charac	aers

Note:

- 1. The Hex characters include $0 \sim 9$ numbers and $a \sim f$ letters.
- 2. ASCII characters include any numbers/letters and characters.

3.2.2 Access Control

Choose **Access Control** tab to start MAC control. Access control includes **Allow All** and **Reject All**. After editing the MAC address access list, only the MAC in the Allow All list could access the Soft AP.

🖡 Ralink Wireless U	ility		
Config Access Control	Mac Table Event I	_og Statistics Abou	t]
Access Policy		Disable	
Access Folicy		Disable	
MAC Address		Allow All Beject All	
		IndectAil	
	Add		
	Dislata	1	
	Remove All		
		1	
			Apply
			11-11-2
			Help

3.2.3 MAC Table

MAC Table page shows the information of the wireless devices accessed to this soft AP.

MAC Address	AID	Power Saving Mode	Status	
00-16-6F-45-80-40 00-09-20-51-EA-7E	1 2	No No	Rate = 24.00 B: Rate = 11.00	
<				3

3.2.4 Switch to Working Station mode

In the Soft AP mode, right-click the icon in the system tray and choose **Switch to Station Mode**, then ZEW2540P is switching to working station mode with an interface of working station.

	Launch Config Utilities
<2	Switch to Station Mode 💚
	Exit

3.3 Use Zero Configuration

Windows XP and Vista has a built-in wireless network configuration utility "Windows Zero Configuration" (WZC). It is a built in service to configure your wireless clients from Windows

1. Start using WZC, right click the tray icon **R** and select **Use Zero Configuration as Configuration utility.**



2. The windows wireless network connection will appear. Double click the wireless network icon even tray to check the wireless network, choose the network and click **Connect** to setup the association.



3. If your wireless router has been encrypted, there will be a window appeared for input the key. Please input the key and click *Connect*, then the connection connect.

4. To configure the wireless connect properties, please right click the wireless icon in the system tray and choose **Status** to open the page **Wireless Network Connection Status**.

^{((†))} Wireless Network C	onnection Status 🛛 ? 🔀
General Support	
Connection	
Status:	Connected to Supper G W
Duration:	00:32:49
Speed:	54.0 Mbps
Signal Strength:	T 00000
Activity S	ent — 🤹 Received
Packets:	452 22
Properties Dis	able View Wireless Networks
	Close

 Click Properties button in General page and choose the tab Wireless Networks to add the SSID of available network by clicking Add, if there are several available networks, linking priority could be configured by the button

Move up and **Move down**. The icon **Properties** to configure authentication of wireless connection.

🗕 Wireless Network Connection Properties 🛛 🔹 🔀
General Wireless Networks Advanced
Use Windows to configure my wireless network settings
Available networks:
To connect to, disconnect from, or find out more information about wireless networks in range, click the button below.
View Wireless Networks
Preferred networks: Automatically connect to available networks in the order listed below: Supper G Wireless Network (Aut Move up
Move down
Add Remove Properties
Learn about <u>setting up wireless network</u> <u>configuration</u> .
OK Cancel

-	Supper G W	ireless Netwo	ork proper	ties	? 🗙
	Association	Authentication	Connection		
	Select this wireless Etl	option to provide hernet networks.	authenticated	I network access fo	r.
	🗹 Enable	IEEE 802.1x auth	entication for	this network	
	EAP type:	Smart Card or o	ther Certificat	e	
				Propert	ties
	🔽 Authent	icate as compute	r when comp	uter information is av	/ailable
	Authent unavail	iicate as guest wł able	nen user or co	mputer information i	s
				ок с.	ancel

6. **Advanced** page configures firewall and connection sharing.

🗕 Wireless Network Connection Properties 🛛 🔹 💽
General Wireless Networks Advanced
Windows Firewall
Protect my computer and network by limiting or preventing access to this computer from the Internet
Internet Connection Sharing
Allow other network users to connect through this computer's Internet connection Home networking connection:
Select a private network connection
Allow other network users to control or disable the shared Internet connection
Learn more about <u>Internet Connection</u> Settings
If you're not sure how to set these properties, use the <u>Network Setup Wizard</u> instead.
OK Cancel

INTERNET In Wireless USB Adapter EW25 40P) ((

Chapter 4 How to connect with PSP

4.1 Configure PSP with Ad-Hoc mode

1. Select Network Settings on PSP



2. Select Ad-Hoc mode on PSP



3. Select Channel on PSP



 Select Start → Control Panel → double-click System icon → select Hardware tab → click Device Manager button → select ZEW2540P (802.11 USB Wireless LAN Card) list in Network adapters.



 Double-click 802.11 USB Wireless LAN Card to configure properties → select Advanced tab → select PSP XLink Mode list in Property and choose Enable from Value drop-down menu.

	Advanced	D.	D 1		
General	Advanced	Driver	Details		
The foll the prop on the in Propert	owing proper perty you war ight. y: support 802	ties are a nt to char 11n	available for nge on the l	this network adapter. eft, and then select its <u>V</u> alue:	Click value
Countr Countr IEEE8 Local I Multim Power PSPX Radio	y Region (2.4 y Region (5G 02.11h MAC Network edia/Gaming Saving Mode Saving Mode On/Off	GHz) Hz) Addres: Environr a	s nent	121/2010	

4.2 Configure XLink Kai

XLink Kai is a global gaming network - bringing together XBox, Playstation, Gamecube and PSP users, in one integrated community. It is software running on your PC or Macintosh that allows you to play system-link enabled games online for free.

Select **Start** \rightarrow **All programs** \rightarrow **XLink Kai Evolution VII** \rightarrow **Start Kai Config** to configure the user name, password and other parameters.

UI Claut S Default S Java a	efault Profiles elect a profile, the template will be pplied over your settings. Select a profile
Configuration Items	Network Adapter
30000 Kai Deep Port 30000 I♥ Enable PAT I♥ Launch UI I♥ Launch Engine T XBox Homebrew E Follow PSP SSID	11N Wireless USB Adapter ✓ Show dangerous NICs Default XTag (Username) Default Password ✓ Auto Login Close Engine After
	Loss of UI Accept UI Connections From Local IP Only Help Wireless OK

Login XLink Kai: Select *Start* \rightarrow *All programs* \rightarrow *XLink Kai Evolution VII* \rightarrow *Start Kai*. PSP will connect with XLink Kai automatically. The following window will indicate the connection is established well now.



Chapter 5 Product Specifications

Standards		IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Interface		USB2.0
OS		Windows 2000/ XP/ Vista/7
Frequency Range		2.4GHz~2.4835GHz
Transmit Output Power		150Mbps: -68dBm 54Mbps: -72dBm
		11Mbps : -88dBm
RF Power		11n : 13dBm
		11g : 14dBm
		11b : 18dBm
Transmit distance		Indoor up to 100 meters
		Outdoor up to 300 meters
		(limited to environment)
Antenna type		printed antenna
Channels:		11 Channels (USA, Canada)
		13 Channels (Europe)
		14 Channels (Japan)
Operating Temperature		0°C ~ 40°C
Storage Temperature		-20°C~70°C
Operating Humidity		10%~ 90% RH Non-condensing
Storage Humidity		5% ~ 90% RH Non-condensing
Dimension(L x W x H)		95.4 x 64.8 x 12.6 mm
Weight		42g
speed	11b	11/5.5/2/1 Mbps
	11g	54/48/36/24/18/12/9/6 Mbps
	11n	40MHz: 130/117/104/78/52/39/26/13Mbps
		2 μμμz: 05/58.5/52/39/26/19.5/13/6.5MDDS

Chapter 6. TroubleShooting

This chapter provides solutions to problems that may occur during the installation and operation of ZEW2540P. Read the descriptions below to solve your problems.

Q1. The ZEW2540P does not work properly.

Reinsert ZEW2540P into your PC's USB slot.

Right click on My Computer and select Properties. Select the device manager and click on the Network Adapter. You will find ZEW2540P if it is installed successfully. If you see the yellow exclamation mark, the resources are conflicting. You will see the status of ZEW2540P. If there is a yellow question mark, please check the following:

Make sure that your PC has a free IRQ (Interrupt ReQuest, a hardware interrupt on a PC.)

Make sure that you have inserted the right adapter and installed the proper driver. If ZEW2540P does not function after attempting the above steps, remove it and do the following:

Uninstall the driver software from your PC.

Restart your PC and repeat the hardware and software installation as specified in this User Guide.

Q2. I cannot communicate with the other computers linked via Ethernet in the Infrastructure configuration.

Make sure that the PC to which ZEW2540P is associated is powered on. Make sure that ZEW2540P is configured on the same channel and with the same security options as with the other computers in the Infrastructure configuration.

Q3. What should I do when the computer with ZEW2540P installed is unable to connect to the wireless network and/or the Internet?

Check that the LED indicators for the broadband modem are indicating normal activity. If not, there may be a problem with the broadband connection. Check that the LED indicators on the wireless router are functioning properly. If not, check that the power adapter and Ethernet cables are firmly connected. Check that the IP address, subnet mask, gateway, and DNS settings are correctly entered for the network.

In Infrastructure mode, make sure the same Service Set Identifier (SSID) is specified on the settings for the wireless clients and access points.

In Ad-Hoc mode, both wireless clients will need to have the same SSID. Please note that it might be necessary to set up one client to establish a BSS (Basic Service Set) and wait briefly before setting up other clients. This prevents several clients from trying to establish a BSS at the same time, which can result in multiple singular BSSs being established, rather than a single BSS with multiple clients associated to it.

Check that the Network Connection for the wireless client is configured properly. If Security is enabled, make sure that the correct encryption keys are entered on both ZEW2540P and the access point.

Q4. I can't find any wireless access point / wireless device in *Network* tab.

- Click *Rescan* for few more times and see if you can find any wireless access point or wireless device.
- Please move closer to any known wireless access point.
- *Ad-hoc* function must be enabled for the wireless device you wish to establish a direct wireless link.
- Please adjust the position of ZEW2540P (you may have to move your computer if you're using a notebook computer) and click *Rescan* button for few more times. If you can find the wireless access point or wireless device you want to connect by doing this, try to move closer to the place where the wireless access point or wireless device is located.

Q5. Nothing happens when I click Launch config utilities

- Please make sure ZEW2540P is inserted into your computer's USB port. If the Ralink configuration utility's icon is black, ZEW2540P is not detected by your computer.
- Reboot the computer and try again.
- Remove ZEW2540P and insert it into another USB port.
- Remove the driver and re-install.

Q6. I can not establish connection with a certain wireless access point

- Click *Connect* for few more times.
- If the SSID of access point you wish to connect is hidden (nothing displayed in *SSID* field in *Network* tab), you have to input correct SSID of the access point you wish to connect.
- You have to input correct passphrase / security key to connect an access point with encryption.
- The access point you wish to connect only allows network cards with specific MAC address to establish connection. Please go to *About* tab and write the value of *Phy_Addess* down, then present this value to the owner of access point to add the MAC address of your ZEW2540P to owner's access point's list.

Q7. The network is slow / having problem when transferring large files

- Move closer to the place where access point is located.
- Enable *Wireless Protection* in *Advanced* tab.
- Try a lower TX Rate in *Advanced* tab.
- Disable *Tx Burst* in *Advanced* tab.
- Enable *WMM* in *WMM* tab if you need to use multimedia / telephony related applications.
- Disable WMM Power Save Enable in WMM tab.
- There could be too much people using the same radio channel. Ask the owner of the access point to change the channel number.