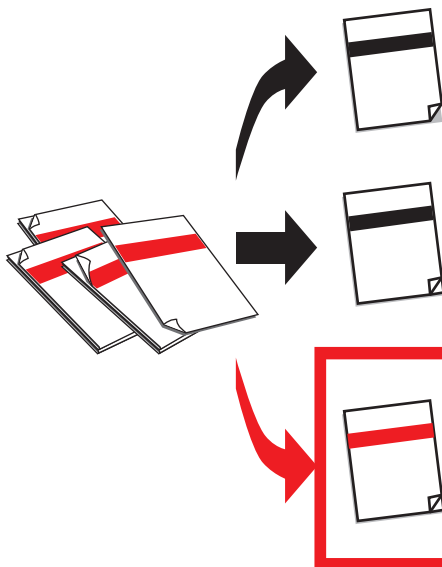


Installing Wireless LAN

Thank you for buying ipTIME IP sharing router!!!

Please read "Installing Internet" before read this document.
It is highly recommended to configure the wireless LAN setup
on ipTIME router with the PC connected by wired not by wireless.
The wireless connection can be lost if router setup is changed.



Box Contents

According to this document,
check the contents in the box.

Installing Internet

Install the ipTIME utility software.
The utility software does automatic PC
setup and connecting internet.

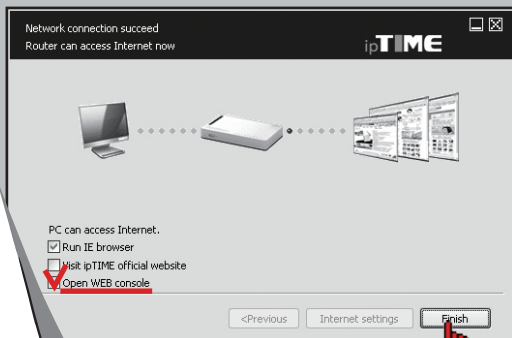
Installing Wireless LAN

According to this document,
connect wireless LAN client to
ipTIME wireless IP sharing router.
(This Guide)

One. Starting Wireless Wizard

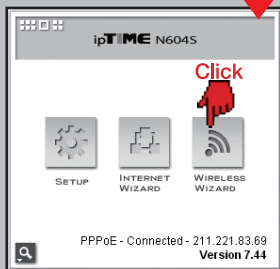
※ Counted from end of "Installing Internet" guide.

In the case of using ipTIME wireless router, please check [Open Web Console] option to setup wireless LAN configuration.



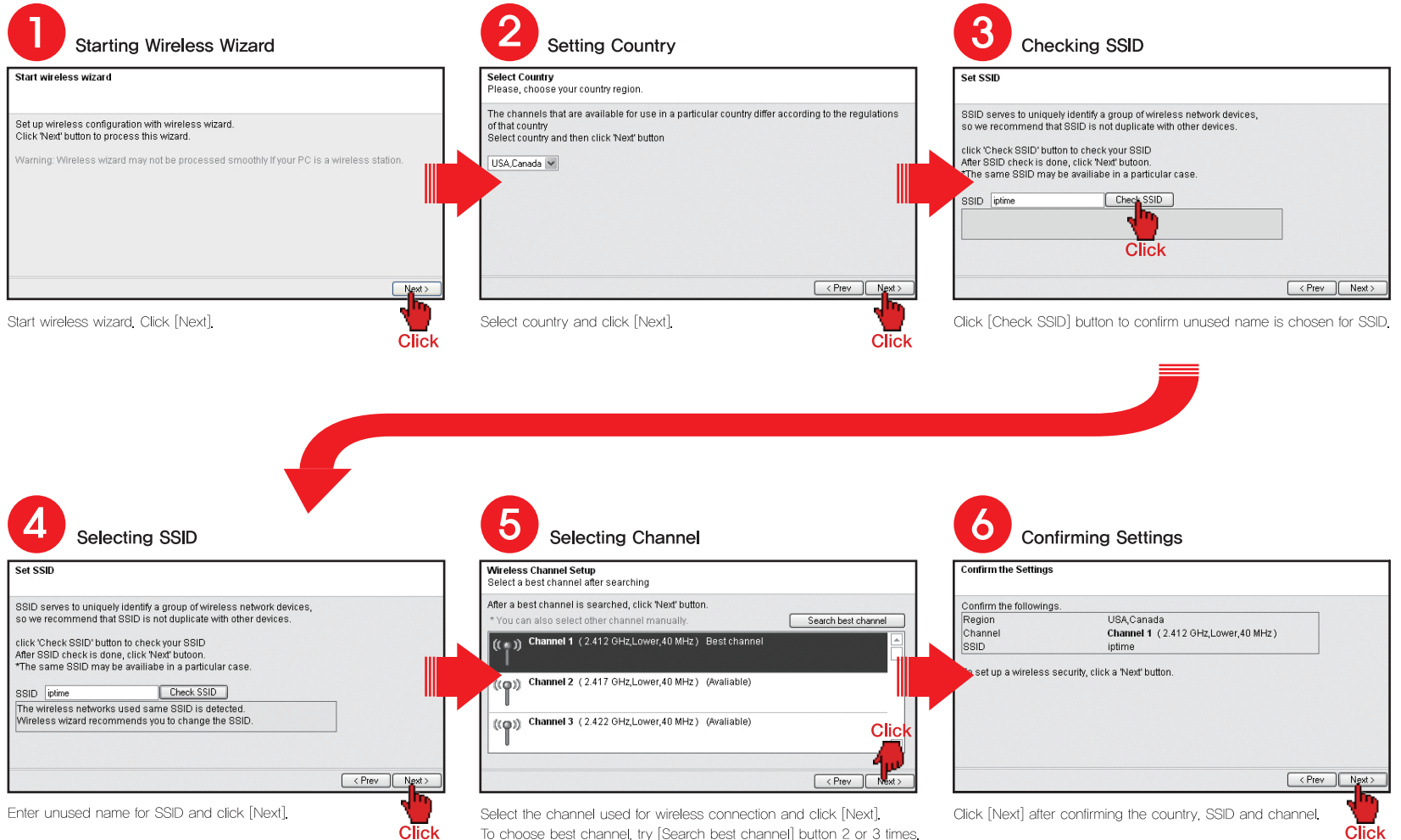
OR

- Run Internet Explorer on the PC connected to ipTIME router through wired cable.
- Enter 192.168.0.1 in the address field and press [ENTER].



Click [WIRELESS WIZARD]
in web console login screen.

Two. Basic Wireless LAN Configuration



Three - (a). Wireless Security Configuration (WPAPSK)

* Please follow one security method, WPA/PSK, WEP or no security.

※ If TKIP is chosen as a cryptography, wireless link speed is limited to 54Mbps even in 11n environment.

※How to connect PC to ipTIME wireless router in Windows XP.

1

Wireless Security Setup

Select Wireless Security method.

☐ **WEP**
A security protocol, specified in the IEEE 802.11 standard, that attempts to provide a wireless LAN with a minimal level of security.

☒ **WPA/PSK (WPA2PSK)**
WPA implements the majority of the IEEE 802.11 standard, and was intended as an intermediate measure to take the place of WEP while 802.11 was prepared.

☐ **No Wireless Security**

☐ **Keep a current wireless security**

Back Next >

Click

Select WPA/PSK and click [Next].

2

WPA/PSK
Select a cryptography

☐ **TKIP**
TKIP was designed to replace WEP without replacing legacy hardware.
It is available in most wireless LAN card.

☒ **AES**
It's more stronger cryptography than TKIP.
It isn't available in some wireless LAN card.

Select a cryptography, and then click 'Next' button.

Click

< Prev Next >

This screenshot shows the 'Enter the network key.' screen. A large red circle with the number '3' is in the top left. The screen has a title bar 'Enter the network key.' and a subtitle 'Network Key'. Below the subtitle is a text input field containing ten dots. A message states: 'Confirm the Network key' followed by another text input field with ten dots, and 'Network key should be more than 8 characters.' Below this is the instruction 'Input a network key, and then click Next button.' At the bottom right, there are two buttons: '< Prev' and 'Next >'. A red arrow points to the 'Next >' button, which is labeled 'Click' in red text.

Confirm the Settings

Confirm the followings.

Region	USA,Canada
Channel	Channel 1 (2.412 GHz,Lower,40 MHz)
SSID	ipTime
Wireless Security	WPA2PSK/WPA2PSK
Authentication Type	AES(CCMP)

All configuration values will be applied in system by clicking a 'Finish' button.

< Prev Finish

Select the SSID assigned in ipTIME router and click [Connect].

- Enter the same network key already entered in ipTIME wireless router.
- Confirm the key and Click [Connect].

"Connected" will be shown in the right side of selected SSID when the PC is connected to the router.

※ If ipTIME wireless LAN card is used, refer appendix 1.

Three - ②. Wireless Security Configuration (WEP)

※ Please follow one security method, WPA2PSK, WEP or no security.

※ WEP is not recommended to use because it is not secure and its speed is limited to 54Mbps.

1

Wireless Security Setup
Select Wireless Security method.

☒ **WEP**
A security protocol, specified in the IEEE 802.11 standard, that attempts to provide a wireless LAN with a minimal level of security.

☐ **WPA2PSK/WPA2PSK**
WPA implements the majority of the IEEE 802.11 standard, and was intended as an intermediate measure to take the place of WEP while 802.11i was prepared.

☐ **No Wireless Security**
It can be cracked with readily available software within minutes.

☐ **Keep a current wireless security**

Click

< Prev Next >

Select WEP and click [Next].

2

WEP
Select a key length

☒ **Use a 64 bit key**

☐ **Use a 128 bit key**

Select a key length, and then click 'Next' button.

Click

< Prev Next >

Select the length of the network key.

3

Enter the network key.

Network Key: [.....]

Confirm the Network key: [.....]

Network key should be more than 5 characters

Input a network key, and then click 'Next' button.

Click

< Prev Next >

Enter the network key.
The network key is the password for wireless connection.

4

Confirm the Settings

Confirm the followings.

Region	USA Canada
Channel	Channel 9 (2.452 GHz, Lower, 40 MHz)
SSID	iptime
Wireless Security	Automatic
Authentication Type	WEP

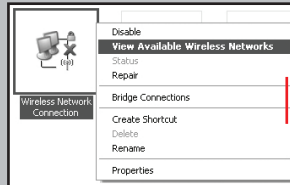
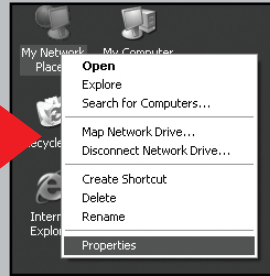
All configuration values will be applied in system by clicking a 'Finish' button.

Click

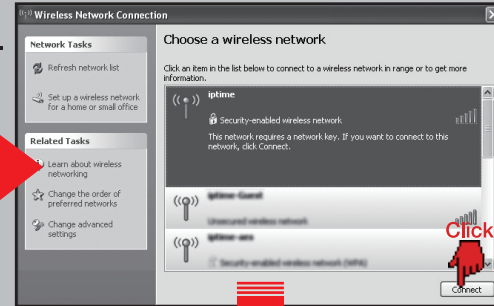
< Prev Finish

Confirm the wireless configuration and click [Finish].

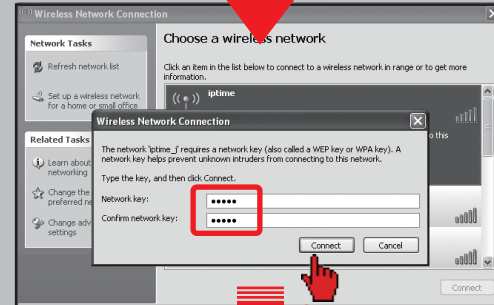
※ How to connect PC to ipTIME wireless router in Windows XP.



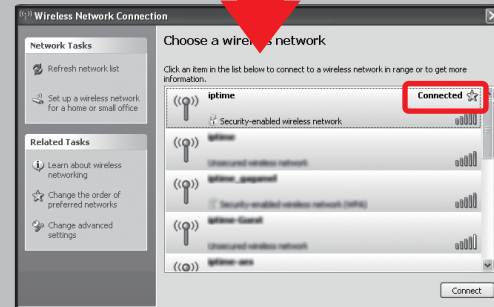
The wireless link speed is limited to 54Mbps when WEP is chosen.



Select the SSID assigned in ipTIME router and click [Connect].



- Enter the same network key already entered in ipTIME wireless router.
- Confirm the key and Click [Connect].



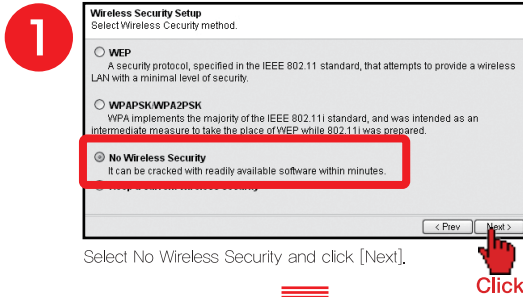
"Connected" will be shown in the right side of selected SSID when the PC is connected to the router.

※ If ipTIME wireless LAN card is used, refer appendix 1.

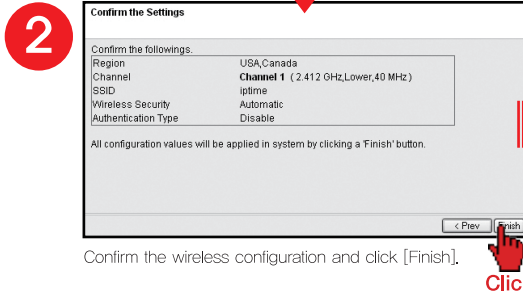
Three - © . No Wireless Security

※ Please follow one security method, WPA/PSK, WEP or no security.

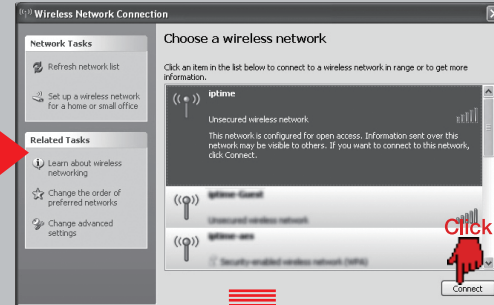
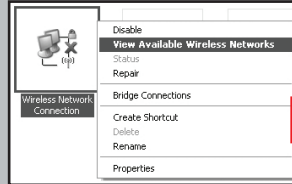
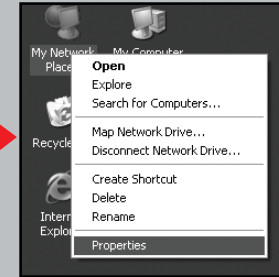
※ How to connect PC to ipTIME wireless router in Windows XP.



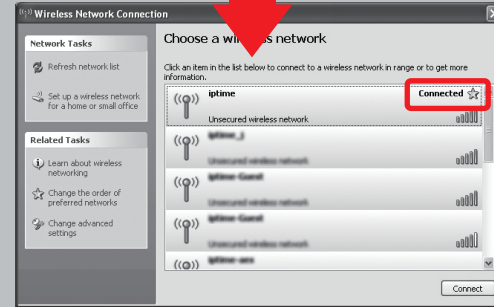
Select No Wireless Security and click [Next].



Confirm the wireless configuration and click [Finish].



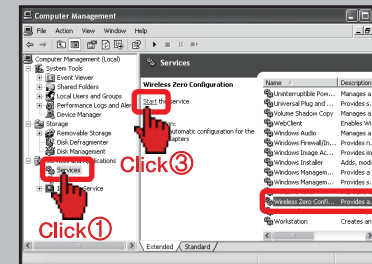
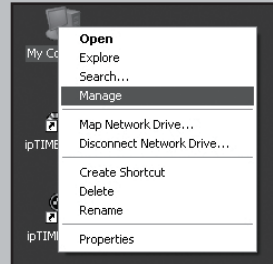
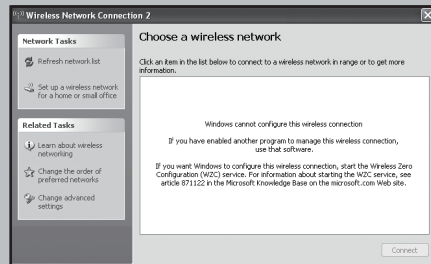
Select the SSID assigned in ipTIME router and click [Connect].



"Connected" will be shown in the right side of selected SSID when the PC is connected to the router.

※ If ipTIME wireless LAN card is used, refer appendix 1.

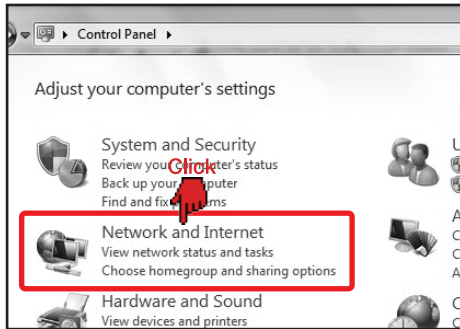
⚠ How to activate "Wireless Zero Configuration" in Windows OS.



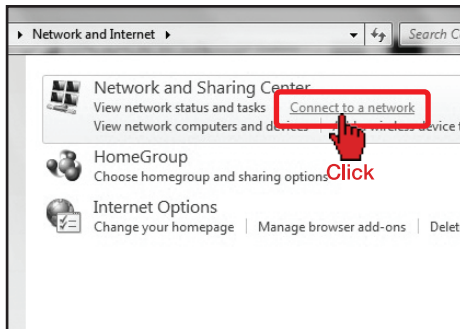
7/Vista. Connecting Wireless Network in Windows 7 and Vista

A. Wireless Security(WEP/WPAPSK)

Click [Start] > [Control Panel] in windows desktop.



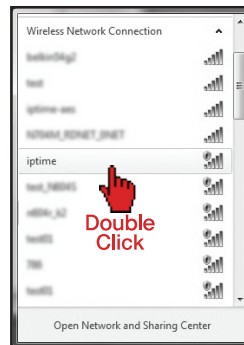
Click [Network and Internet].



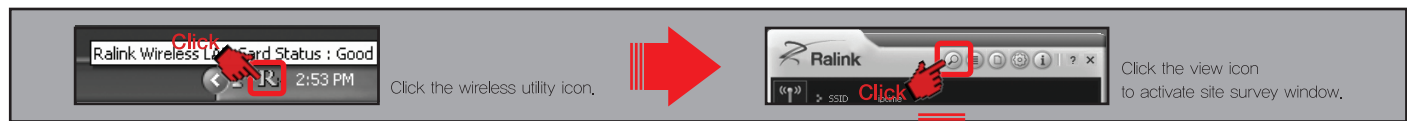
Click [Connect to network].



B. No Wireless Security



Appendix 1. Wireless Utility supplied with ipTIME LAN card



WPA-PSK Wireless Security

- 1 Double click the SSID assigned in ipTIME router.
- 2 Select WPA-PSK and Encryption same as ipTIME router and click [OK].
- 3 Enter the network key and click [OK].
- 4 The [✓] mark will be shown when PC is connected.

WEP Wireless Security

- 1 Double click the SSID assigned in ipTIME router.
- 2 Select WEP same as ipTIME router and click [OK].
- 3 Enter the network key and click [OK].
- 4 The [✓] mark will be shown when PC is connected.

No Wireless Security

- 1 Double click the SSID assigned in ipTIME router.
- 2 The [✓] mark will be shown when PC is connected.

Double Click

Click

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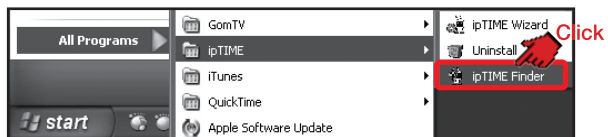
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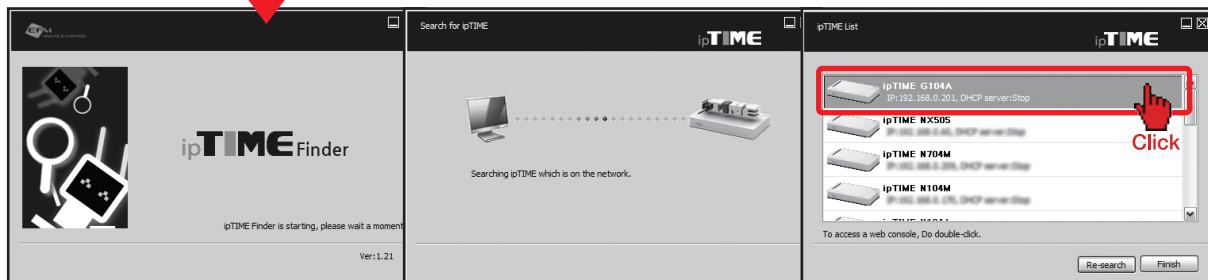
Double Click

Double Click

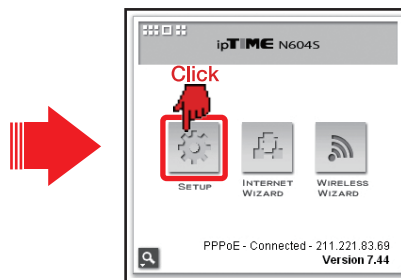
Appendix 2. Using Web Management Console for Wireless Setup



Run ipTIME Finder in [Start] > [All Program] > [ipTIME] > [ipTIME Finder].



Select the ipTIME router to configure.



Click SETUP.

Advance Setup

- Expert user can setup detail wireless properties with this menu.
- For more detail information refer on-line help in the web console.

Basic Setup

- Basic wireless configuration can be done in this menu.
- For more detail information refer on-line help in the web console.

MAC Authentication

- Using MAC Authentication, only registered wireless clients can be connected to ipTIME router.
- For more detail information refer on-line help in the web console.