Wireless-N Broadband AP / Router

Model Name: WRTR-501 for SparkLAN

Quick Installation Guide

Version 1.3

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1. Before Installation

Thank you for purchasing the Wireless 11n AP Router. This guide will help you set-up and configure your AP with easy-to-follow instructions. For more detailed or advanced settings, please refer to the User Manual on the CD-ROM.

Package Contents

Please make sure you have the following in the box:

- ♦ WRTR-501 Wireless-N Broadband AP Router
- ♦ Multi-Language Quick Installation Guide
- ♦ User Manual CD-ROM
- ♦ Three dipole 1.75dBi RSMA detachable Antennas
- ♦ AC/DC Power Adapter
- ♦ RJ-45 Cat.5 UTP Cable
- ♦ Warranty Card

Note: if anything is missing, please contact your vendor

2. Hardware Installation

1. Power off your network devices.

2. Locate an optimum location for the AP. The best place for the AP is usually at the center of your wireless network, with line of sight to all of your wireless devices.

3. Adjust the antennas. Normally, higher location of your AP may get better performance.

4. Using a standard Ethernet network cable, connect to the AP's Ethernet port to your local network.

5. Connect the AC power adapter to the AP's Power port. Then connect the other end to an electrical outlet. Only use the power adapter supplied with the AP. Use of a different adapter may cause product damage.

6. The Hardware installation is completed. Please refer to the following content or user guide for AP configuration.

Verify Hardware LED status

Verify the following LED lights are on:
Power: The Power LED lights up and will keep while the AP is powered on.
Security (orange): WPS encryption is work or not.
Wireless: When wireless is available, this led lights. When transmit or receive the data, this led is blinking.
Router: When Router is working as "Router", this LED light
**DIAG(red):** When FW updating or system is abnormal, it will light
Internet: The Internet LED flashes when there is a successful Internet connection.
LAN: The LAN LED lights up when Ethernet port of AP was connected to LAN. When the LED is flashing it indicates the network activity over that port.

3. Configure your computer's TCP/IP Settings

Windows 2000/XP

1. Click **Start**; click **Settings** and then click on the **Control Panel**.
2. Double-Click the **Network Connection** icon.
3. Right-Click on the **Local Area Connection** icon and then click on **Properties.** The Local Area Connection Properties windows will appear.
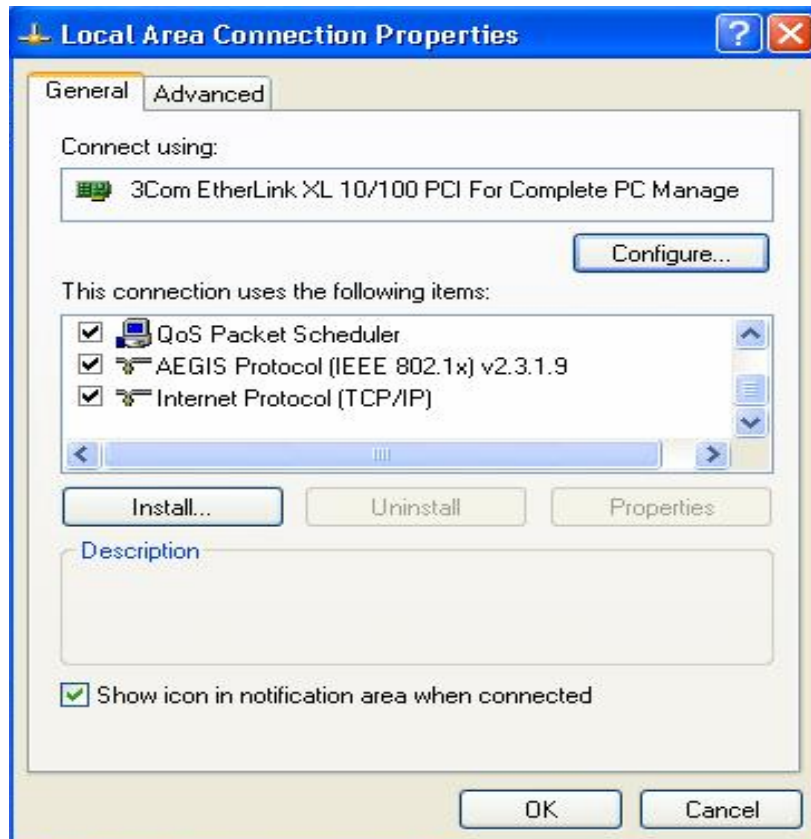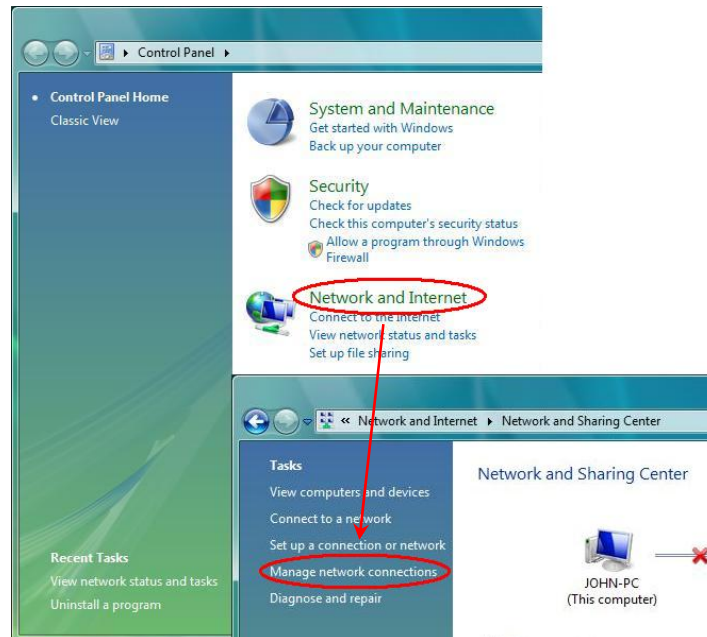

4. Under the **General** Configuration Tab, locate and select **TCP/IP** with the corresponding network card, then click **Properties**. The Internet Protocol (TCP/IP) Properties window will appear.
5. Click on **Use the following IP Address** and enter
   IP Address: 192.168.1.10
   Subnet Mask: 255.255.255.0
   Default gateway: 192.168.1.1
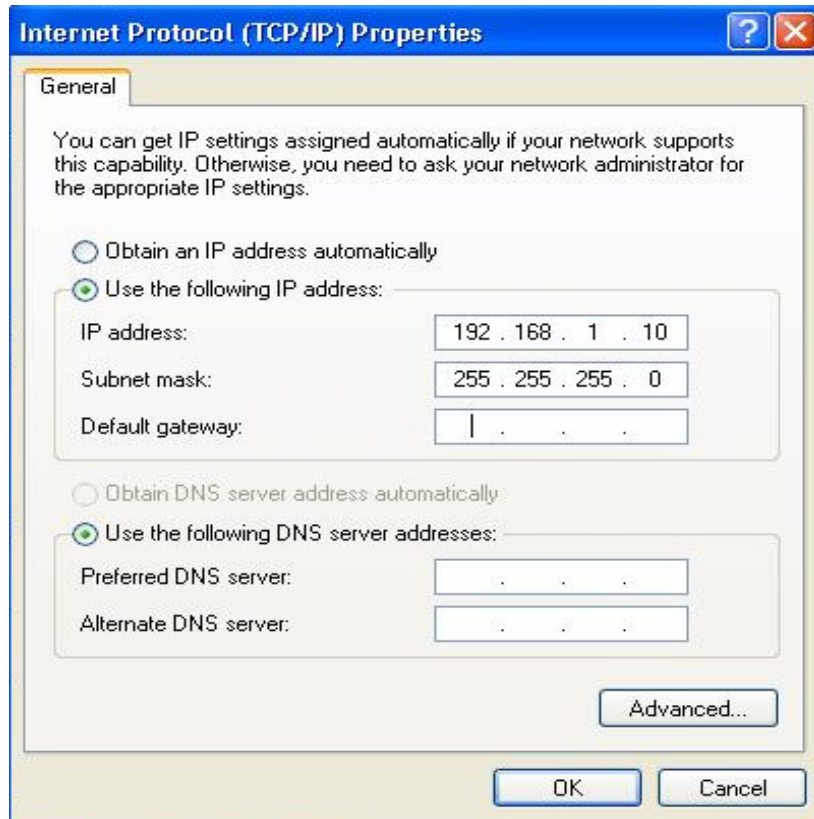
6. Now your computer is ready to access and configure the AP.

Windows VISTA

1. Click **Start → Control Panel**, then **Network and Internet → Manage network connections**.

2. Right-Click on the **Local Area Connection** icon and then click on **Properties.** The Local Area Connection Properties windows will appear.

3. Under the **Networking** Configuration Tab, locate and select **Internet Protocol Version4 (TCP/IPv4)** with the corresponding network card, then click **Properties**. The Internet Protocol (TCP/IP) Properties window will appear.

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4. Click on **Use the following IP Address** and enter

   IP Address: 192.168.1.10

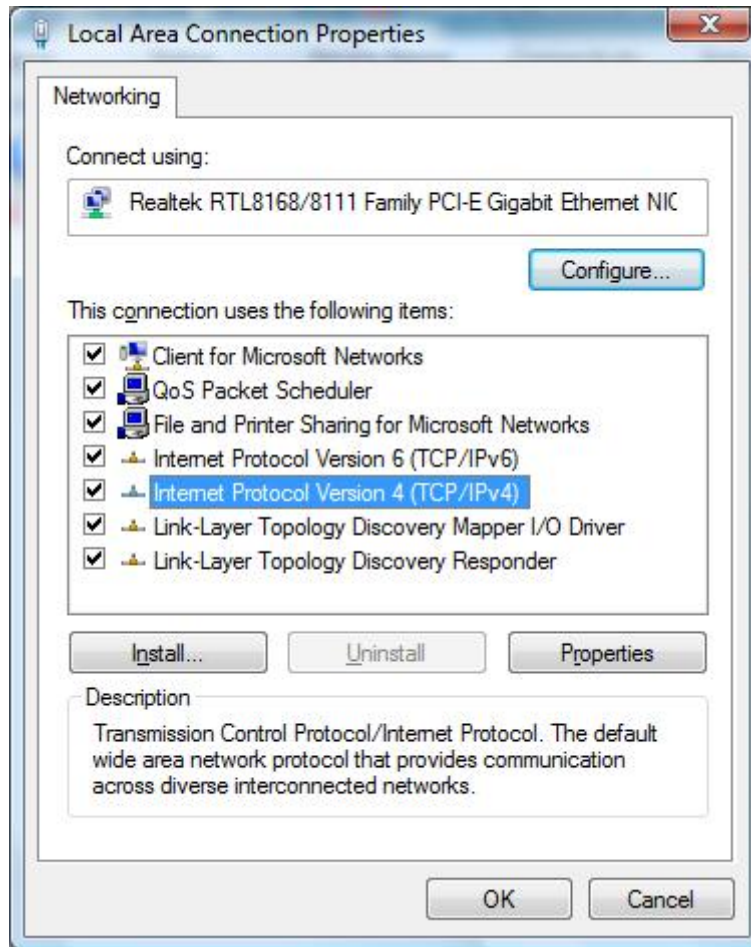   Subnet Mask: 255.255.255.0

   Default gateway: 192.168.1.1

5. Now your computer is ready to access and configure the AP.

> **NOTE :** *The default IP address setting for the AP is a class C IP address (**192.168.1.1 / 255.255.255.0**). Please make sure that the current workstation is following the class C IP address range, from 192.168.1.2 to 192.168.1.254*

4. Configure your AP

1. Open your web browser, type **http://192.168.1.1** in the Address bar, and press **Enter**.
2. An authentication window will appear. Enter the username and password, and then click **OK.** By default, please leave blank in username and type **admin** in password.

3. Click "Save Settings" button to finish the Setup if you have something change. The following screen would appear to notify you the system is rebooting. All changes will be taken effect while reboot procedure is completed.

Your changes have been saved.

System Rebooting...Please wait...

4. When the AP reboot procedure is completed, you may change the TCP/IP properties of this computer. Select the "**Obtain an IP address automatically**" instead of "**Use the following IP Address** " item if your local network has DHCP server service to assign IP address for your wireless client. This step will set your computer as DHCP client and get IP from your DHCP server via AP.
If there is no DHCP server in your network, then you should assign one proper IP address manually to fit your network IP subnet.

5. For DHCP client, using following command to check if your computer already got IP address.

- Win2000, WinXP, WinVISTA: type the " ipconfig " on your windows Command Prompt.

Once you got the IP address, subnet mask and default gateway, that means your computer already connected to local network.

For detail configuration of this AP, please refer to the CD-ROM.

Federal Communication Commission Interference Statement

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.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

The WRTR-501 (FCC ID:RYK-WRTR501) is limited in CH1~CH11 for 2.4 GHz by specified firmware controlled in U.S.A.

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: 2001
  Safety of Information Technology Equipment

- EN50385 : (2002-08)
- Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110MHz - 40 GHz) - General public

- 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 V1.6.1: (2005-09)
  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 V1.2.1 (2002-08)
- 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.

CE 0560 ①

<img> Česky [Czech]	*[Jméno výrobce]* tímto prohlašuje, že tento *[typ zařízení]* je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
<img> Dansk [Danish]	Undertegnede *[fabrikantens navn]* erklærer herved, at følgende udstyr *[udstyrets typebetegnelse]* overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
<img> Deutsch [German]	Hiermit erklärt *[Name des Herstellers]*, dass sich das Gerät *[Gerätetyp]* in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
<img> Eesti [Estonian]	Käesolevaga kinnitab *[tootja nimi = name of manufacturer]* seadme *[seadme tüüp = type of equipment]* vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
<img> 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.
<img> Español [Spanish]	Por medio de la presente *[nombre del fabricante]* declara que el *[clase de equipo]* cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
<img> Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ *[name of manufacturer]* ΔΗΛΩΝΕΙ ΟΤΙ *[type of equipment]* ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
<img> Français [French]	Par la présente *[nom du fabricant]* déclare que l'appareil *[type d'appareil]* est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
<img> Italiano [Italian]	Con la presente *[nome del costruttore]* dichiara che questo *[tipo di apparecchio]* è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo *[name of manufacturer / izgatavotāja nosaukums]* deklarē, ka *[type of equipment / iekārtas tips]* atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo *[manufacturer name]* deklaruoja, kad šis *[equipment type]* atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
<img> Nederlands [Dutch]	Hierbij verklaart *[naam van de fabrikant]* dat het toestel *[type van toestel]* in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
<img> Malti [Maltese]	Hawnhekk, *[isem tal-manifattur]*, jiddikjara li dan *[il-mudel tal-prodott]* jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
<img> Magyar [Hungarian]	Alulírott, *[gyártó neve]* nyilatkozom, hogy a *[... típus]* megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
<img> Polski	Niniejszym *[nazwa producenta]* oświadcza, że *[nazwa wyrobu]* jest zgodny z

[Polish]	zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Português [Portuguese]	*[Nome do fabricante]* declara que este *[tipo de equipamento]* está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]	*[Ime proizvajalca]* izjavlja, da je ta *[tip opreme]* v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	*[Meno výrobcu]* týmto vyhlasuje, že *[typ zariadenia]* spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]	*[Valmistaja = manufacturer]* vakuuttaa täten että *[type of equipment = laitteen tyyppimerkintä]* tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Svenska [Swedish]	Härmed intygar *[företag]* att denna *[utrustningstyp]* står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.