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***** To avoid users without access right through your WLAN Broadband Router, suggest that use security mechanism like WEP, WPA or set ID/password for web configuration login IP address 192.168.1.254.

Preparation

- 1 At lease one PC with IEEE802.11b/g WLAN client installed.
- 2 One straight-through Category 5 Ethernet cable, used to link WAN interface to xDSL or CM for Internet connection.

3 WLAN Broadband Router.

Check package contents:

- ✓ WLAN Broadband Router
- ✓ DC 7.5V Power Adapter
- ✓ User's manual CD-ROM

Collect Installation Information:

WAN configuration (Contact your ISP or network administrator for these information)

- **O** DHCP Client
- C Static IP

IP Address	
Subnet Mask	
Default Gateway	
DNS Address	

C PPPoE

User Name	
Password	

C PPTP

IP Address	
Subnet Mask	
Server IP Address	
User Name	
Password	

LAN	configuration	
	IP Address	192.168.1.254
	Subnet Mask	255.255.255.0

WLAN configuration

SSID	MyWLAN
Mode	2.4Ghz(B+G)
Channel Number	11

Parts and Functions of WLAN Broadband Router:

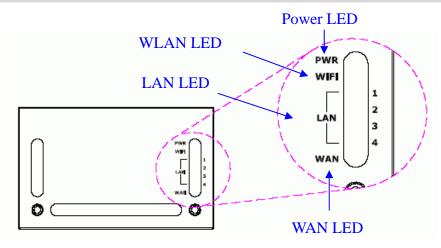
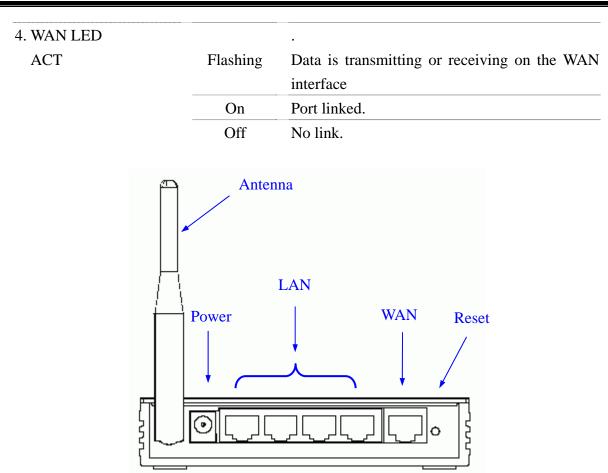


Figure 1 – WLAN Broadband Router Upper Panel

LED Indicator	State	Description
1. Power LED	On	The WLAN Broadband Router is powered on.
	Off The WLAN Broadband Router is powered off.	
2. WLAN LED	Flashing	Data is transmitting or receiving on the antenna.
	Off	No data is transmitting or receiving on the antenna.
3. LAN LED		
ACT	Flashing	Data is transmitting or receiving on the LAN interface.
	On	Port linked.
	Off	No link.



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Figure 2 – WLAN Broadband Router Rear Pane

Inte	rfaces	Description	
1. 4	Antenna	The Wireless LAN Antenna.	
2. I	Power	The power jack allows an external DC +7.5 V power supply connection.	
		The external AC to DC adaptor provide adaptive power	
		requirement to the WLAN Broadband Router.	
3. I	LAN	The RJ-45 sockets allow LAN connection through Category 5 cables. Support auto-sensing on 10/100M speed and half/ full duplex; comply with IEEE 802.3/ 802.3u respectively.	
4. 1	WAN	The RJ-45 socket allows WAN connection through a Category	
		5 cable. Support auto-sensing on 10/100M speed and half/ full	
		duplex; comply with IEEE 802.3/ 802.3u respectively.	
5. I	Reset	Push continually the reset button $5 \sim 10$ seconds to reset the	
		configuration parameters to factory defaults.	

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Installation

Step One – Power On WLAN Broadband Router

Connect DC 7.5V Power Adapter to WLAN Broadband Router and the wall power socket.

Notice: It will take about 55 seconds to complete the boot up sequence after powered on the WLAN Broadband Router; Power LED will be active, and after that the WLAN Activity LED will be flashing to show the WLAN interface is enabled and working now.

Step Two - Configure WLAN Broadband Router

- Connect your PC to LAN port for configuration setting WLAN Broadband Router is delivered with the following factory default parameters on the Ethernet LAN interfaces.
 - Default IP Address: *192.168.1.254*
 - Default IP subnet mask: *255.255.255.0*
 - WEB login User Name: <*empty*>
 - WEB login Password: <*empty*>
 - Configure your PC with IP address between 192.168.1.1 to 192.168.1.253 and subnet mask to be 255.255.255.0, then open an Internet browser (i.e. Microsoft IE6.1 SP1 or above) to connect WLAN Broadband Router by entering <u>http://192.168.1.254</u> to URL field.

WLAN Br	roadband Router		
Broadband	d Router Status		
This page shows the	This page shows the current status and some basic settings of the device.		
System			
Uptime	Oday:Oh:15m:26s		
Firmware Versio			
Wireless Configu			
Mode	AP		
Band	2.4 GHz (G)		
CII 22	MyWLAN		
Channel Number			
Encryption	Disabled		
BSSID	00:02:72:00:81:86		
Associated Client	ts 1		
TCP/IP Configur	ation		
Attain IP Protoco	M Fixed IP		
IP Address	192.168.1.254		
Subnet Mask	255.255.255.0		
Default Gateway	192.168.1.254		
DHCP Server	Enabled		
MAC Address	00:02:72:00:81:86		
WAN Configurat	tion		
Attain IP Protoco	DHCP		
IP Address	192.168.0.136		
Subnet Mask	255.255.255.0		
Default Gateway	192.168.0.10		
MAC Address	00.02.72.00.81.87		

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The following example is to configure router as "Gateway" mode that use factory default value. You may change those values if you think that is necessary.

2. Click "Setup Wizard" in submenu of Site contents

	WLAN Broadband Router	Click "Next> " butter to
 Site contents: Status Setup Wizard Operation Mode Wireless TCP/IP Settings Firewall VPN Setting Management 	Setup Wizard The setup vizard will guide you to configure access point for first time. Please follow the setup wizard step by step. Welcome to Setup Wizard. The Wizard will guide you the through following steps. Begin by clicking on Next. Setup Operation Mode Choose your Time Zone Setup LAN Interface Setup LAN Interface Wireless LAN Setting Wireless Security Setting	Click "Next>>" button to go next.
	Next>>	

3. Configure Operation Mode

1. Operation	t modes to LAN and WLAN interface for NAT and bridging function.	■ Click "Gateway".
 Gateway: 	In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in four LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client or static IP.	 Click "Next>>" button to go next.
O Bridge:	In this mode, all ethemet ports and wireless interface are bridged together and NAT function is disabled. All the WAN related function and firewall are not supported.	
O Wireless ISP:	In this mode, all ethemet ports are bridged together and the wireless client will connect to ISP access point. The NAT is enabled and PCs in ethemet ports share the same IP to ISP through wireless LAN. You must set the wireless to client mode first and connect to the ISP AP in Site-Survey page. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client or static IP.	
	Cancel < <back next="">></back>	

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4. Co	nfigure Time Zone Setting configuration	
	2. Time Zone Setting	
	You can maintain the system time by synchronizing with a public time server over the Internet.	■ Click "Next>>" button to
	Enable NTP client update	go next.
	Time Zone Select : (GMT+08:00)Taipei NTP server : 192.5.41.41 - North America	
	Cancel < <back next="">></back>	
	nfigure LAN Interface Setup 3. LAN Interface Setup	
	This page is used to configure the parameters for local area network which connects to the LAN port of your Access Point. Here you may change the setting for IP addresss, subnet mask, DHCP, etc	■ IP Address: 192.168.1.254.
	IP Address: 192.168.1.254	■ Subnet Mask: 255.255.255.0.
	Subnet Mask: 255.255.255.0	■ Click "Next>>" button to
	Cancel < <back next="">></back>	go next.
6. WA	AN Interface Setup	
	4. WAN Interface Setup	■ WAN Access Type: Select
	This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE or PPTP by click the item value of WAN Access type.	WAN connection of ISP provides.
	WAN Access Type: DHCP Client	\Rightarrow WAN Options:

- Static IP, PPPoE, PPTP
- Click "Next>>" button to go next.

<<Back

Next>>

Cancel

5. Wireless H	Basic Settings	■ Dend: 2.4CH=(C)
This page is used to config	ure the parameters for wireless LAN clients which may connect to your Access Point.	Band: 2.4GHz(G)Mode: AP
Band:	2.4 GHz (G)	■ Network Type: disabled
Mode:	AP 🗸	SSID: MyWLAN
Network Type:	Infrastructure 🗸	Channel: 11
SSID:	MyWLAN	■ Enable Mac Clone:
Channel Number:	11 💌	disabled
Enable Mac Clon	e (Single Ethernet Client)	 Click "Next>>" button to
	Cancel < <back next="">></back>	go next.

8. Wireless Security Setup

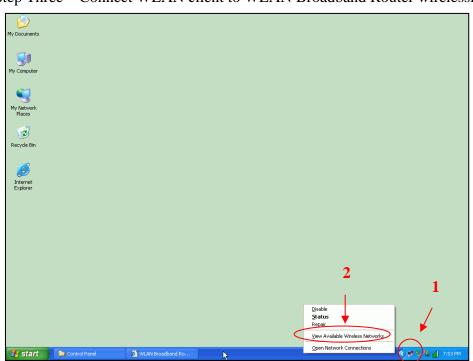
6. Wireless Security Setup This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.		Encry
		Option WEP,
Encryption: None		WPA2
		Mixed
		Click '
		close s
Cancel < <back finished<="" td=""><td></td><td></td></back>		

- ption: None
- ns: WPA (TKIP), 2 (AES), WPA2
- "Finished" button to setup session.

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Step Three - Connect WLAN client to WLAN Broadband Router wirelessly

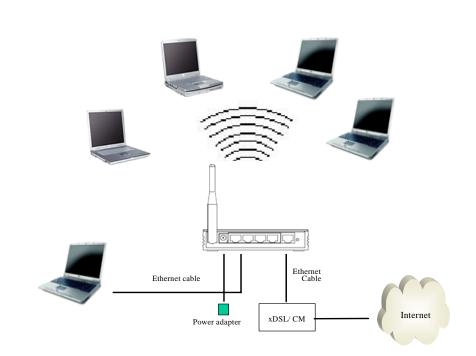
On your wireless client PC:

- Move your mouse to the Network icon on the Task bar and right click the mouse button to bring up the pop-up menu.
- Click the View Available Wireless Networks on the pop-up menu.

My Documents My Computer My Network Pleces Recycle Bin Signature Internet Explorer	Vireless Network Connection 9 Image: The following wireless network (c) are available. To access the work service of the following wireless network (c) are available. To access the work work of the service of the following wireless network (c) are as with the click Connect. Image: The work of the following wireless network (c) are as with the click Connect. Image: The work of the following wireless network (c) are as with the network might be subject to unadhorized access. Image: The work of the following wireless network (c) are and with the network might be subject to unadhorized access. Image: The work of the selected wireless network (c) are and wireless network (c) are and wireless network (c) are and	
Start 🕑 Control Panel	WLAN Broadband Ro	🔹 👰 🖏 🍇 📲 7.54 চন

- Select the specific WLAN network (SSID) from the Available Networks list.
- Click the Connect button to establish the communication link to the wireless network

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The wireless network diagram of WLAN Broadband Router..

Reference

Please consult the user's manual of WLAN Broadband Router for detailed and complete operation guide.

The equipment has been tested and found to comply with FCC and CE Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received including interference that may cause undesired operation.



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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 WRTR-141 (FCCID: RYK-WRTR141) is limited in CH1~CH11 for 2.4 GHz by specified firmware controlled in U.S.A.

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EC Declaration of Conformity

Name applicant: SparkLAN Communications, Inc. 3F, No. 246, Sec. 1, Neihu Road, Neihu Chiu, Taipei, Taiwan, ROC 114 Hereby declares under sole responsibility that product **Brand name: SparkLAN Product number: WRTR-141 Product description:** Wireless 802.11g Broadband Router To which this declaration relates complies with the requirements of the following standards: EN 300 328 EN 301 489-1/17 EN 60950 This certifies that the designated product as described above complies with the directives described above and carries the CE marking accordingly. This declaration has been signed under responsibility of the manufacturer / importer. Name manufacturer / importer: Sparklan Communications Date: July 31, 2006

Mike Chen

CEO

Product article code: WRTR-141 Product description: Wireless 802.11g Broadband Router **Product manufacturer / importer:**

SparkLAN Communications, Inc.

Austra, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg,

Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, UK

Countries where usage of the product as described above is prohibited:

Countries in which the product as described above may be used freely:

None.

Countries where usage of the product as described below is limited: France: The use of other channels than the channels 10 through 13 is prohibited by law.