



# WR-1

802.11ac Wireless Router  
with BakPak Lite



BakPak  
Lite

## QUICK START GUIDE

# Introduction

The Packedge WR-1 Wireless Router with BakPak Lite gives you the convenience of a high-throughput wired router integrated with an 802.11ac Wave 2 wireless access point. The router has features like high throughput and secure OpenVPN, while also supporting UPnP for simple compatibility with common consumer devices. The WR-1 also integrates BakPak Lite, which means that you can access the power of BakPak to monitor your WR-1 from anywhere in the world.

## Key features:

- BakPak Lite built in: Manage the WR-1 from the standard BakPak interface.
- 500 Mbps WAN-to-LAN firewall throughput
- Maximum data rate: 1.2 Gbps (300 Mbps for 2.4 GHz; 867 Mbps for 5 GHz)
- Secure VPN: Support for OpenVPN
- 2 SSIDs + 2 guest SSIDs
- WPA2-PSK security
- BakPakDDNS: Free Dynamic DNS service built in
- 802.11ac Wave 2 2x2 wireless
- Simple-to-use web GUI

## Package contents

- (1) WR-1 router
- (1) Power adapter
- (1) Quick Start Guide
- (1) Ethernet cable

## User guide

- For more detailed instructions, refer to the *WR-1 User Guide* ([pkdge.co/wr1-ug](http://pkdge.co/wr1-ug)).

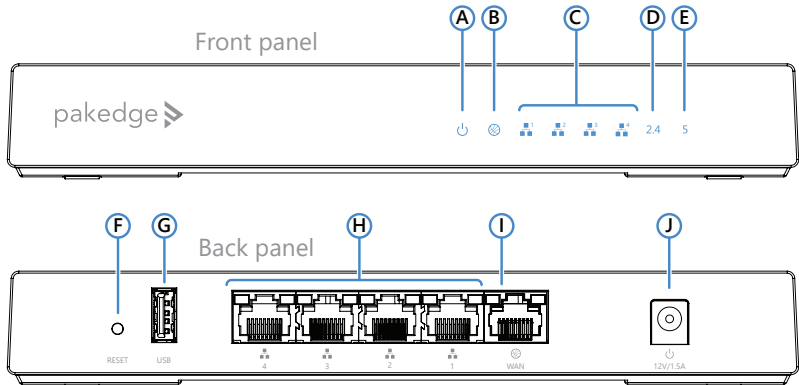
## Specifications

- System requirements: Windows or Mac PC with an Ethernet interface.

## Credentials

- Admin default username/password: **admin/admin**
- SSID (default): **Pakedge2.4-1** and **Pakedge5-1**  
Security/password: WPA2-PSK/**pakedgewireless**
- Guest SSID (default): **PakedgeGuest2.4** and **PakedgeGuest5**  
Security/password: WPA2/**pakedgeguest**
- Transmit power: Starting with firmware v1.23, factory default transmit power is 13 dBm for 2.4 GHz and 18 dBm for 5 GHz.
- **Note your new credentials:** \_\_\_\_\_

# Overview



**A** Power

**B** Internet

**C** LAN port activity

**D** 2.4 GHz active

**E** 5 GHz active

**F** RESET button

**G** USB port

**H** LAN ports

**I** WAN (to modem/Internet) port

**J** Power connector

# Installing

Tools required:

- Computer with Ethernet interface and a web browser
- Ethernet cable

## **To install the unit:**

- 1** Open the box and remove the WR-1.
- 2** Ensure that the unit is physically mounted away from obstructions that could interfere with the wireless signal, such as metal racks or other wireless transmitting electronic devices.
- 3** Connect an Ethernet cable from your ISP modem to the **WAN** port on the WR-1.
- 4** Connect power to the WR-1.

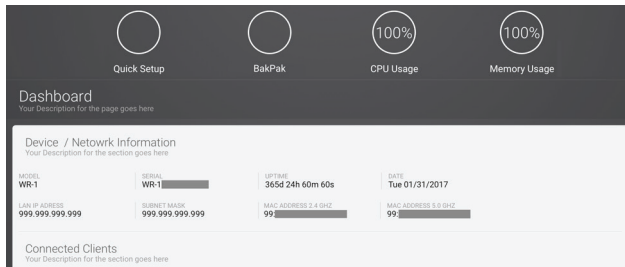
You are now ready to configure the unit to allow Internet access and register with BakPak Lite.

# Logging in

- 1 After power is connected and a computer is connected to the LAN port, enter the WR-1's IP address into the address bar of your web browser. A login screen opens.  
**Default settings:** The IP address will be automatically set to **192.168.1.1**.
- 2 Type your user name and password, then click **Login**. (The default username is **admin** and the password is **admin**.)

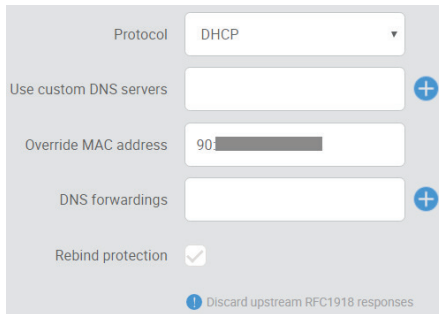
The *Quick Setup* page appears. The *WR-1 Quick Setup* page lets you configure your network's basic settings. Upon first login, a password change is required.

After the Quick Setup page, you are returned to the Dashboard, where you can see all of the router's configuration menus.



## Quick setup: WAN zone options

### DHCP



The screenshot shows a configuration panel for the WAN zone with the following options:

- Protocol:** A dropdown menu set to "DHCP".
- Use custom DNS servers:** An empty text input field with a blue plus icon to its right.
- Override MAC address:** A text input field containing "90" followed by a greyed-out area, with a blue plus icon to its right.
- DNS forwardings:** An empty text input field with a blue plus icon to its right.
- Rebind protection:** A checked checkbox.
- Discard upstream RFC1918 responses:** A blue information icon followed by the text "Discard upstream RFC1918 responses".

By default, the wireless router will connect to the Internet using DHCP. If your ISP uses DHCP, you may need to reset the modem to get Internet access.





## Static IP

The image shows a network configuration panel with the following fields and options:

- Protocol:** A dropdown menu set to "Static address".
- IPv4 address:** An empty text input field.
- IPv4 subnet mask:** A dropdown menu showing "-- Please choose --".
- IPv4 gateway:** An empty text input field.
- Use custom DNS servers:** An empty text input field with a blue plus icon to its right.
- Override MAC address:** A text input field containing "90" followed by a greyed-out area.
- DNS forwardings:** An empty text input field with a blue plus icon to its right.
- Rebind protection:** A checked checkbox.
- Footer:** A blue information icon followed by the text "Discard upstream RFC1918 responses".

If your ISP uses static IP, enter the **IPv4 address**, **IPv4 subnet mask**, **IPv4 gateway**, and DNS server provided by your ISP. Select **Custom** from the *Subnet mask* drop-down menu to enter a custom subnet mask.

## PPPoE

Protocol	PPPoE
PAP/CHAP username	<input type="text"/>
PAP/CHAP password	<input type="password"/> 
Use custom DNS servers	<input type="text"/> 
MTU	1492
Override MAC address	90 <input type="text"/>
DNS forwardings	<input type="text"/> 
Rebind protection	<input checked="" type="checkbox"/>
 Discard upstream RFC1918 responses	

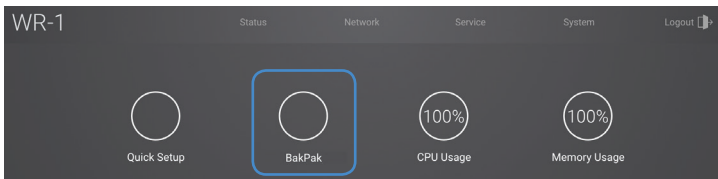
If your ISP uses PPPoE, enter the username that the ISP assigned under the **PAP/CHAP username** field. Enter the password in the **PAP/CHAP password** field. For the **Use custom DNS servers** field, enter the DNS server you would like to use. For example, you can use **8.8.8.8**.

# Registering your WR-1 with BakPak Lite

You can connect your WR-1 to your existing BakPak account or create a new account to manage all of your BakPak network management agents.

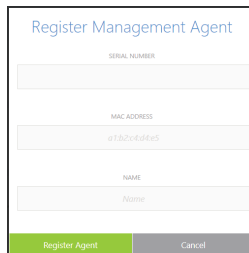
## To register your WR-1 to your BakPak account:

- 1 In the Dashboard, click **BakPak**.



The *BakPak Registration* page opens.

- 2 Follow the on-screen instructions to complete your device registration.




A screenshot of the 'Register Management Agent' form. The form has a title 'Register Management Agent' in blue. It contains three input fields: 'SERIAL NUMBER', 'MAC ADDRESS' (with the value 'a1b2c3d4e5'), and 'NAME' (with the placeholder 'Name'). At the bottom, there are two buttons: 'Register Agent' (green) and 'Cancel' (grey).

After you log in and BakPak Lite has been registered, the dashboard opens.

**Pakedge WR-1**  
192.168.1.1 / 90  
Uptime 11 d 6 h 44 m 18 s

Firmware  Alerts  ...

**Device Information** | Zone Settings | SSID Configuration | Firmware | Notes | Events

System Name	Pakedge WR-1	3%	34%	Last Updated: 8/17/2018, 3:38:23 PM	
Serial	WR-1			Download <b>135.14</b>	Upload <b>12.91</b>
Last Updated	Tue Aug 28 01:47:48 2018	CPU Usage	Memory Usage	Mbps	Mbps
Local IP	192.168.1.1				
Firmware Version	1.02				Speedtest
User Proxy	Mary WR-1				
System Location	Head End				
System Address	USA				

[Reboot](#)

# Technical Support

For technical help:

[www.pakedge.com](http://www.pakedge.com)  
[support@pakedge.com](mailto:support@pakedge.com)  
(650) 385-8703

For non-technical inquiries:

[customerservice@pakedge.com](mailto:customerservice@pakedge.com)  
(650) 385-8701

For regulatory information:

[www.pakedge.com/regulatory](http://www.pakedge.com/regulatory)



11734 Election Road, Draper, UT 84020  
Main: (650) 385-8700 Fax: (650) 685-5520

[www.pakedge.com](http://www.pakedge.com)  
[sales@pakedge.com](mailto:sales@pakedge.com)

©2018 Control4. All rights reserved.

Latest version at  
[pkdgc.co/wr1-qsg](http://pkdgc.co/wr1-qsg)



QSG-WR-1-E 2018-08-28 MS