RE-1/RE-2 Router

Enterprise-Class, Audio/Video Router
Version 1.0
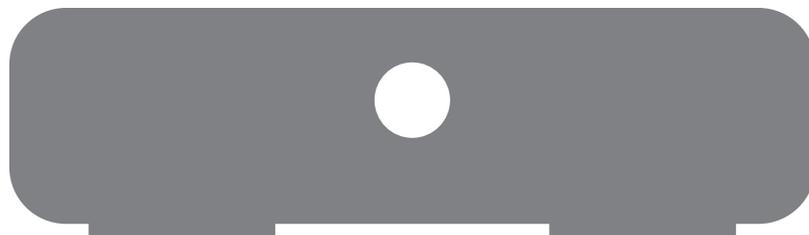
pakedgedevice&software inc

Contents

Overview

The RE-1 and RE-2 are enterprise grade audio/video routers that are designed to minimize installation times through an intuitive GUI. See the Table 1 below for more information. Table 1's description of the LED's applies to both the RE-1 and RE-2.

Table 1: LED Explanation (From Left to Right)

LED	Status		Operation
Power	Blue		The router is powered on
	Off		The router is turned off
LAN (Ports 2-5)	LINK/ACT	Blue	Port is online (link established)
		Flashing Blue	Activity
		Off	No device connected
WAN2 (Port 2)	LINK/ACT	Blue	Port is online (link established)
		Flashing Blue	Activity
		Off	No device connected
WAN1	LINK/ACT	Blue	Port is online (link established)
		Flashing Blue	Activity
		Off	No device connected

*Note: Port number 2 can be configured as a second wan port and Port number 5 can be configured as a Guest network. Please see the user's manual for additional information.

Below you will find a description of the interfaces on the back of the RE-1 and RE-2 in Table 2.

Table 2: Interface Explanation (From Left to Right)

Interface	Type	Speed	Protocol	Description
AC Power input	AC	N/A	N/A	Power Input
Power Switch	N/A	N/A	N/A	On/Off Power Switch
WAN	RJ-45	10/100/1000 Mbps	Ethernet	WAN port used for the internet connection from the ISP
LAN (Ports 2-5)	RJ-45	10/100/1000 Mbps	Ethernet	4-port switch connections on the internal network
USB 1	USB-A	480Mbps	USB 2.0	Management USB port
USB 2	USB-A	5Gbps	USB 3.0	USB port used for file sharing

*The USB 1 interface can also be used for file sharing, but will be limited to the slower USB 2.0 speeds

Table 3 illustrates some of the similarities and differences between the RE-1 and RE-2.

Table 3: RE-1 vs RE-2

Feature	RE-1	RE-2
UPnP	Yes	Yes
VLAN Capable	No	Yes
VPN Support	Yes	Yes
File Browser	No	Yes

Package Contents

RE-Router
Mounting Brackets
Power Cable
6ft CAT5E Cable
Quick Start Guide

Installing the Router

1. If mounting the router in a standard 19" AV rack, attach the rack-mounting brackets that come with the router to the sides. If not rack-mounting, ensure that the router is physically mounted near power and network connections.
2. Connect power to the device.

3. Connect an ethernet cable from your computer to any of the LAN ports on the router.

Changing the Router Password

It is strongly recommended that you change the default password for the router. Please refer to the user manual for step by step instructions.

Accessing the Router GUI

1. Make sure your network card is set to obtain an IP address automatically. Then open any internet browser and go to the address http://192.168.1.99 or you can simply type **pakedgerouter.com** Note: For best results we recommend using Mozilla Firefox as your web browser.
2. Enter the default username **pakedge** and the password **pakedger**. Click login.

Connecting to the Internet

The router supports the three main types of internet connections:

- **DHCP** (Typically used by cable companies and DSL basic service)
- **Static IP** (Fixed public IP address mostly used by Business Class Broadband services)
- **PPPoE** (Used by DSL companies such as AT&T)

Determine what type of internet connection you have from your Internet Service Provider (ISP), and then follow one of the three instruction sets below to connect the router to the internet.

DHCP:

By default, the router will connect to the internet using DHCP. If your ISP uses DHCP, you may need to reset the modem to get internet access. If you are using a modem that has a router built into it, you may have to configure DMZ settings to allow complete functionality of the RE-1/RE-2.
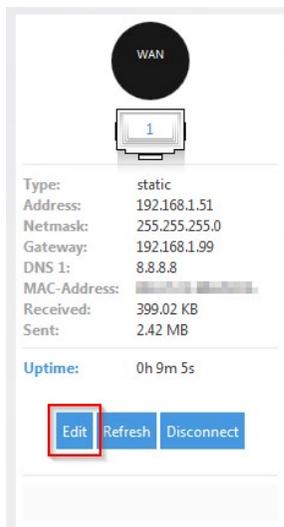
Static IP:

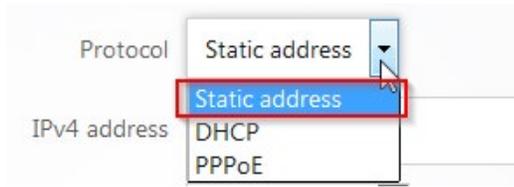To configure the router to a static IP, complete the following steps:
1. Hover your mouse towards the top of page to see the menu. Click on **Network Zones.**

2. Click on **Edit** under WAN zone.

3. Select **Static Address** for the **Protocol**.

4. Click on **Switch Protocol**.

5. Enter the **IP address** from your ISP. Select the appropriate **Subnet Mask** from your ISP. You can select custom to enter a custom subnet mask. Then enter your **Default Gateway** and **DNS Server**. Leave the **override MAC address** at default. Click **Apply**. The router now has the Static IP configured on it.
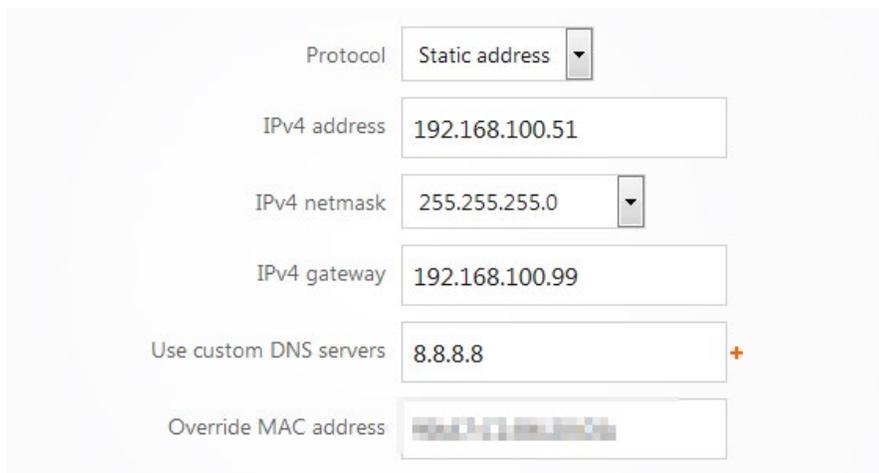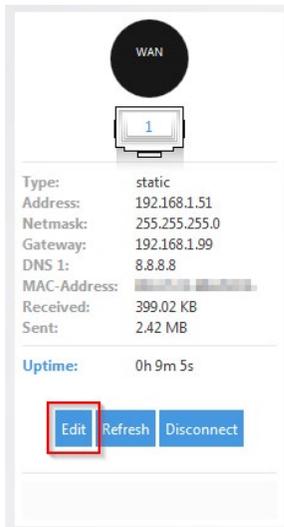
PPPoE:

To configure the router using a PPPoE connection, you will need to complete the following steps:
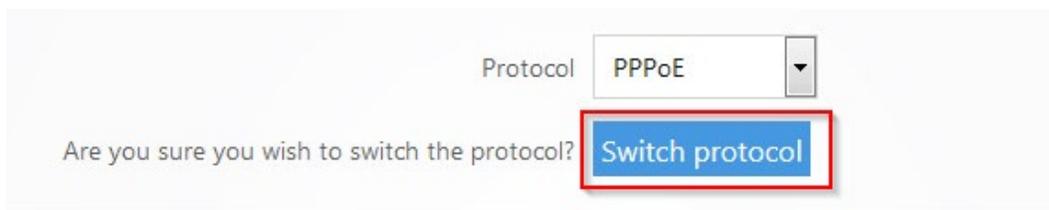
1. Hover your mouse towards the top of page to see the menu. Click on **Network Zones**.
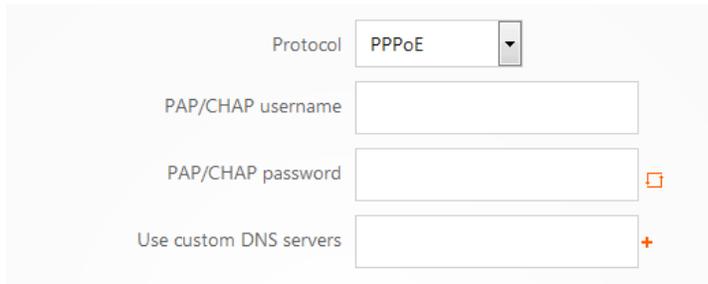

2. Click on **Edit** under WAN zone.

3. Select **PPPoE** from the Protocol drop down menu. Then click on **Switch Protocol**.

4. Enter the username that the ISP assigned under the **PAP/CHAP username** field. Enter the password in the **PAP/CHAP password** field. Click **Apply** when finished. The router is now setup for PPPoE.
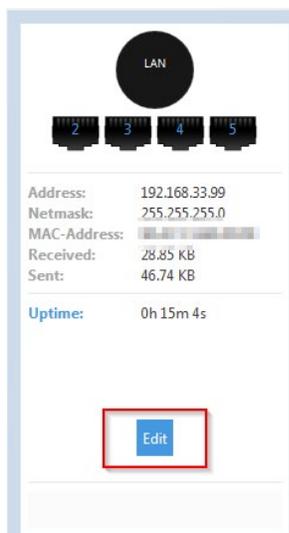
Protocol	PPPoE
PAP/CHAP username	
PAP/CHAP password	
Use custom DNS servers	

Changing the LAN IP

The default IP address of the router is 192.168.1.99. If you need to change the IP address of the router or change the entire network address take the following steps.

1. Click on **Network Zones**.

Status	Network	Services	Maintenance
Dashboard	Port Forwarding	IGMP Snooping	Username/Password
Real-time Monitoring	Virtual DMZ	Parental Controls	Diagnostics
	Network Zones	Dynamic DNS	Remote Access
	DHCP Reservation	SNMP	Time Zone
	Dual-Wan	File Sharing	Configuration
	Quality of Service	UPNP	Firmware
		Media Server	Reboot
		VPN	

2. Click **Edit** under LAN zone.

LAN

Address:	192.168.33.99
Netmask:	255.255.255.0
MAC-Address:	
Received:	28.85 KB
Sent:	46.74 KB
Uptime:	0h 15m 4s

Edit

3. Enter the new IP address you wish to use in the **IP Address** field. In the following example we change the IP address of the router to 192.168.1.1.
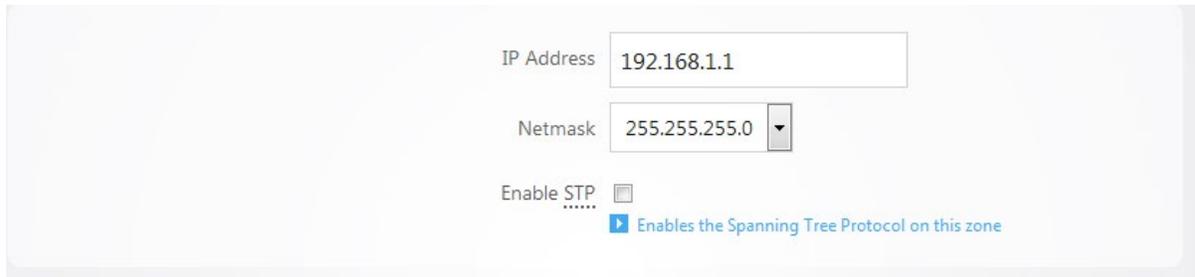
4. Click **Apply** towards the bottom to finalize the settings.

Troubleshooting and Support

If you are unable to get the router functional using these steps, you can refer to the full manual on our website or contact the Technical Support Team for assistance.

Contact information
Website: www.pakedge.com
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