

QUICK START GUIDE

RK-1

High Throughput - Dual WAN, Gigabit Audio/Video Router
Version 1.0

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Overview



The RK-1 is an high power audio/video router that is designed to minimize installation times through an intuitive GUI. See the [Table 1](#) for more information.

LED	Status	Operation
USB 1 - 2	Blue	USB is connected
	Flashing Blue	USB is being accessed
	Off	No device connected
WAN 1 - 2	Blue	Port is online (link established)
	Flashing Blue	Activity
	Off	No device connected
LAN 1 - 5	Blue	Port is online (link established)
	Flashing Blue	Activity
	Off	No device connected
Power	Blue	The router is powered on
	Off	The router is turned off

Table 1: LED Explanation (From Left to Right)

Note: LAN Port number 5 can be configured as a Guest network. Please see the user's manual for additional information.



You will find a description of the interfaces on the back of the RK-1 in [Table 2](#).

Interface	Type	Speed	Protocol	Description
Reset Button	N/A	N/A	N/A	Hold Reset Button for 10 seconds to factory default the settings
USB 1 - 2	USB-A	5Gbps	USB 3.0	USB port used for file sharing
WAN 1 - 2	RJ-45	10/100/1000 Mbps	Ethernet	WAN port used for the Internet connection from the ISP
LAN (Ports 1-5)	RJ-45	10/100/1000 Mbps	Ethernet	5-port switch connections on the internal network
Console	RJ-45	115200	Console	Console port for maintenance use
AC Power input	AC	N/A	N/A	Power Input
Power Switch	N/A	N/A	N/A	On/Off Power Switch

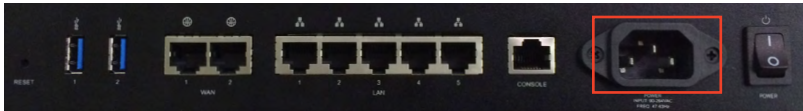
Table 2: Interface Explanation (From Left to Right)

Package Contents

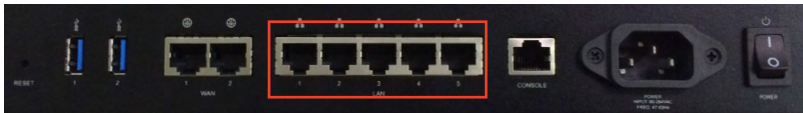
- RK-Router
- Mounting Brackets
- Power Cable
- 1ft CAT5E Cable
- Quick Start Guide

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.

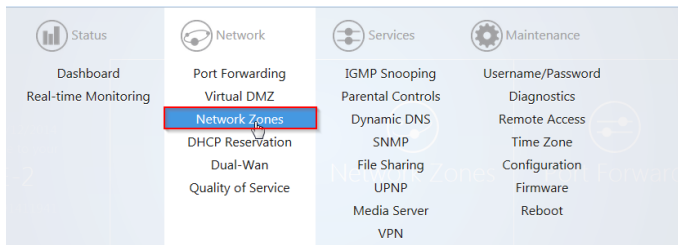
DHCP:

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 RK-1.

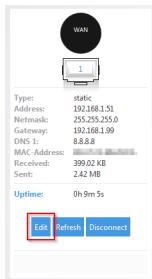
Static IP:

To configure the router to a static IP, complete the following steps:

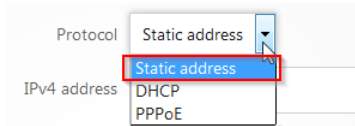
1. Hover your mouse towards the top of page to see the menu. Click on **Network Zones**.



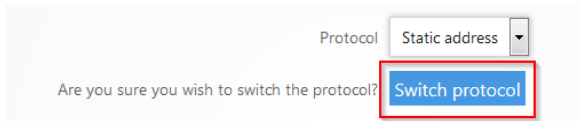
2. Click on **Edit** under WAN zone.



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

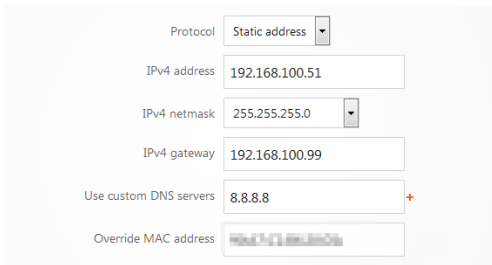


4. Click on **Switch Protocol**.



A confirmation dialog box with a light gray background. At the top right, there is a label "Protocol" followed by a dropdown menu showing "Static address". Below this, the text "Are you sure you wish to switch the protocol?" is displayed. To the right of this text is a blue button with the text "Switch protocol" in white. The button and the text to its left are enclosed in a red rectangular border.

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.

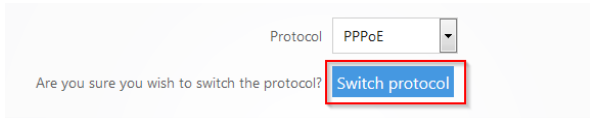


A configuration form for static IP settings. At the top, there is a "Protocol" dropdown menu set to "Static address". Below it are several input fields: "IPv4 address" with the value "192.168.100.51", "IPv4 netmask" with a dropdown menu set to "255.255.255.0", "IPv4 gateway" with the value "192.168.100.99", "Use custom DNS servers" with the value "8.8.8.8" and a plus sign to its right, and "Override MAC address" with a default value "00:00:00:00:00:00".

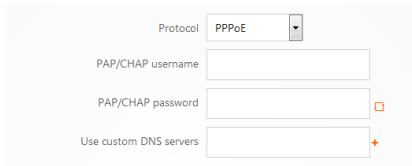
PPPoE:

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.



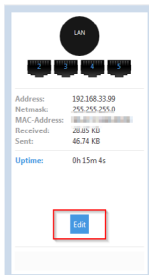
The screenshot shows a configuration panel for PPPoE. At the top, there is a 'Protocol' dropdown menu set to 'PPPoE'. Below this are three input fields: 'PAP/CHAP username', 'PAP/CHAP password', and 'Use custom DNS servers'. The 'PAP/CHAP password' field has a small red square icon to its right, and the 'Use custom DNS servers' field has a small red plus sign icon to its right.

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**.

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



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

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