RK-1 Gigabit Router Firmware V2.00.1 Release Notes

Release highlights

Delivers a complete UI refresh, multiple bug fixes, and makes the RK-1 an OvrC Pro device.

Important Note: Once the router has been updated to the 2.0 firmware they are no longer able to contact BakPak apps.

New Features

- Added VLAN tagging on the WAN.
- Allows LAN port configuration of VLAN tagging.
- Allows more control over interzone (VLAN) routing.
- Zone Bonding has been updated, allowing more control over multicast routing.
- Adds encryption configuration for OpenVPN.
- Configuration of firewall policies to control the forwarding of traffic through the router.
- DHCP leases can be cleared from the UI.

Notes

- If downgrading from firmware version 2.00.00 to 1.08.x, the router must be factory defaulted.
- Speedtest diagnostic tool may not always pick the closest test server when running a test.
- BakPak DDNS is still functional.

RK-1 Gigabit Router Firmware V1.08.04 Release Notes

Release highlights

Delivers key components that are required in preparation for the next firmware release to enable OvrC on RK-1.

Fixes

- Fixed throughput issues with certain cable ISPs.
- Fixed connection tracking issue where active sessions were not closed correctly.
- Fixed issue with bad DHCP configuration after firmware upgrade.
- Fixed issue with DHCP server not starting every time.
- Fixed QoS configuration after firmware upgrade.
- Fixed UPnP configuration upgrade and startup.
- Fixed RTSP packet forwarding.
- Added California law compliance.

RK-1 Gigabit Router Firmware V1.08.0 Release Notes

Introduction

The **RK-1 Gigabit Router Firmware v1.08.0** is an exciting new software release packed full of important bug fixes and feature enhancements including a significant increase in reliable speed and throughput, stability improvements, mobile OpenVPN support, and DHCP configuration enhancements. With v1.08.0, the RK-1 Gigabit Router will deliver the gigabit throughput, ultra-fast speeds, and reliable connectivity that you depend on to support your customers' smart homes.

Release highlights

Slow speeds and a reduction in throughput

Overview:

We've received feedback from our dealers in the last few months that some were experiencing lower throughput than expected from the ISP when deploying the RK-1.

Issue:

- Dealers reported over 30% reduction in throughput from the RK-1 vs. connecting directly to a modem.
- Customers with gigabit ISP speeds were most susceptible to this issue.

Resolution:

Significant improvements have been made to the router firmware in order to address the performance issues observed. We've conducted extensive field testing on sites experiencing the issue to resolve and confirm v1.08.0 firmware will deliver the expected speeds from the internet service providers.

New features

Pseudo-random DHCP assignment

We have added a new configuration option to the DHCP Server settings. This option changes IP address assignment from a sequential method to a pseudo-random method. The pseudo-random method is preferable in large networks and with devices which commonly disconnect from the network.

DHCP Reservation auto-fill details

The DHCP Reservation section now has auto-fill. When entering DHCP reservation entries, host details will automatically fill in. When selecting the device MAC address, the Hostname and IP address will auto-fill. This simplifies the process of adding multiple DHCP reservations, reducing the time needed to enter each detail of the device.

OpenVPN mobile compatibility

We've added a simple way to connect to OpenVPN on mobile devices. It is now possible to open the OpenVPN configuration download link on mobile devices to quickly add connectivity. Getting new mobile devices set up and connected to the RK-1 over OpenVPN is simpler now without the added steps of transferring the VPN profile to your mobile device.

Fixes

- 41476 - Devices unable to get DHCP from RK-1 during a large number of DHCP requests
- 40126 - RK-1 GUI login stops working
- 38790 - RK-1 can't resolve bakpakddns.com
- 41502 - BakPak unable to complete network scan
- 37115 - No voice while using RK-1
- 37591 - After fail-over, BakPak profile goes offline because router cannot resolve IP address
- 33169 - Some ISPs require MTU to be changed in order to connect
- 39613 - RK-1 using PPPoE not updating third-party DDNS
- 38256 - Unplugging the WAN when it is set to DHCP doesn't release its IP

- 38912 -   Recursive DNS causes internet access problems
- 38266 -   After changing LAN IP address from the Quick Setup page, DNS under the LAN page will remain the same as the old LAN address
- 40074 -   RK-1 Dual WAN not always failing over
- 23271 -   Option to disable ISP DNS when using Custom DNS
- 32267 -   Static route incorrect configuration deletes LAN and VLAN routes
- 38899 -   When using "Other" DDNS on an RK-1, you cannot enter a password greater than 32 characters
- 40268 -   DDNS Request - password should be URL encoded
- 25771 -   Can't delete an already-created DHCP rule when the rule is outside of the DHCP range
- 38051 -   QSP would override custom DNS setting on WAN
- 34710 -   WAN 2 shows inactive when active
- 35331 -   Multiple instances of the same device showing up in the "other connected devices" on the dashboard
- 41281 -   RK-1 stops logging locally or remotely when you don't specify the port number in syslog page
- 26368 -   Host Devices show "?" for Hostname on DHCP Devices list
- 38053 -   Enable GUI access when using VLAN interface address
- 27469 -   Upgrade OpenSSL to 1.0.2j

Previous firmware releases

Firmware version	Release date	Description
V1.07	4/30/2018	Quick Setup Page, LED control, multiple DHCP Pools, Interface DNS setting, SIP ALG setting, bug fixes
V1.06	5/23/2017	Bug fixes: cannot reset password after changing username, PPTP VPN, MTU fix
V1.05	2/1/2017	BakPak management agent, PPPoE updates, bug fixes

Technical Support contact information

If you encounter any issues during or following the update, or if you have any questions, please contact Control4 Technical Support for help.

USA	+1 (888) 400-4072
UK	+44 1347 300001
Germany	+49 69 9675 9797
Australia	+61 18 0099 0548
China	+86 400 8428136

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Contact Information

Control4 Corporation
11734 S. Election Road
Salt Lake City, UT 84020 USA
http://www.control4.com