

WK and WX Series Access Point Firmware V2.0 Release Notes

Released April 8, 2021

Introduction

The **WK** and **WX Series Firmware v2.0** is a compelling new software release that brings OvrC to the Pakedge lineup. This update allows you to migrate your devices to the OvrC cloud platform as an OvrC connected device. See the below release highlights for further details.

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

Supported SKUs

WK-1	WK-1-1	WK-1-O	WK-1-O-1	WK-2	WK-2-1
WX-1	WX-1-1	WX-1-O	WX-1-O-1		

Release highlights

Adds OvrC functionality to your Pakedge devices.

Added OvrC Features

- Device Monitoring
- Notifications
- Configuration
- Firmware Updates
- Remote Access
- Device Reset
- OvrC Home

For a complete overview, please visit snapav.com/ovrc.

Version 1.40.2 Release Notes

Released December 19, 2019

Introduction

V1.4 firmware delivers several features and security enhancements as well as a major software driver update that addresses several connectivity and performance issues with iOS devices, 2.4 GHz radio connectivity, and roaming and client handoffs.

Enhancements

- Secure-by-design security enhancement requires the default username and password to be changed upon initial setup.
- User interface now supports HTTPS for a secure connection.
- Includes a security patch for NTP server.

Bug Fixes

V1.4 received a major software driver update that delivers significant reliability, connectivity, and roaming improvements.

- Fixes 2.4 GHz radio connectivity interruption or disconnection.
- Fixes 2.4 GHz issue causing loss of connectivity until manually rebooted.
- Fixes 2.4 GHz issue causing multiple requests for the WiFi password while still connected.
- Fixes MacBook Air and iOS device connectivity interruption issue.
- Fixes roaming and client handoff drop and “sticky client” issue.
- Fixes “Multicast Enhancements” function failure.
- Fixes low throughput when AP is connected with a long Ethernet cable.
- Fixes 5GHz WPA altercation issue.
- Fixes Fast Transition feature drops connection issue.

Version 1.31.0 Release Notes

Released September 06, 2018

Introduction

Wireless Access Point firmware v1.31.0 includes the ability to select a country code on WK and WX series APs. After the desired country code is selected, the corresponding wireless channel and power output will be set to the selected country and its regulatory domain.

Important: Feature applies to APs outside of United States and Israel.

Bug Fixes

- 37679 - AP is not joining a multicast group, which could cause it to become undiscoverable by the NK-1.
- 39972 - SSID statistics fail to display correctly when APs are set to Bridge or Repeater mode.
- 40195 - SSIDs could cease to broadcast when the APs are upgraded from firmware v1.07 to v1.30.
- 37903 - Outdoor APs sold in Israel and Canada could not be discovered by the NK-1.

Version 1.30 Release Notes

Released February 05, 2018

What's New?

- Added a Quick Setup Page (QSP). The QSP includes most important configurations in a single page thus allowing to save time in configuring the network. The QSP can be access from the dashboard and is also the first screen display when you login to the AP for the first time.
- Changed the following defaults settings:
 - The encryption for the default SSIDs "Pakedge-2.4-1" and "Pakedge5-1" was changed from open to WPA2-PSK (password: pakedgewireless)
 - The encryption for the default guest SSIDs "PakedgeGuest2.4" and "PakedgeGuest5" was changed from open to WPA2 (password: pakedgeguest)
 - Tx power on the 2.4Ghz and 5Ghz radios was changed from Maximum to 13dBm and 18dBm respectively.
- Support of the WK-1-O outdoor in the following international regions:
 - WK-1-O-1 for CE and UK
 - WK-1-O-4 for Canada
 - WK-1-O-6 for Australia and New Zealand

Bug Fixes

- 37679 - AP is not joining a multicast group, which could cause it to become undiscoverable by the NK-1.
- 39972 - SSID statistics fail to display correctly when APs are set to Bridge or Repeater mode.
- 40195 - SSIDs could cease to broadcast when the APs are upgraded from firmware v1.07 to v1.30.
- 37903 - Outdoor APs sold in Israel and Canada could not be discovered by the NK-1.

Version 1.22 Release Notes

Released November 20, 2017

Bug Fixes

- Patch applied to fix the Key re-installation vulnerabilities also known as KRACK. Details on the vulnerabilities addressed can be found in the National Vulnerability Database under the following entries: CVE-2017-13082, CVE-2017-13077, CVE-2017-13078, CVE-2017-13079, CVE-2017-13080, CVE-2017-13081
- Disabled Multicast enhancements by default as it could cause poor connectivity in some specific cases. In particular, we noticed poor connection when both WDS and multicast enhancements are used simultaneously. If you are using WDS, it is recommended to keep multicast enhancements disabled.
 - It's recommended to enable multicast enhancements when using audio/video applications over Wi-Fi.
- Fixed intermittent 5 GHz connectivity issue
 - Issue can be triggered when changing some of the wireless configuration settings such as channel, transmit power, or running a site survey. These problems could be experienced when AP are configured locally or through an NK-1.
- Fixed issue where "RSSI client reject threshold" value might be missing when upgrading from v1.18 or older to v1.20 or v1.21.
 - With this new release, the RSSI client reject feature will always be turned off upon such upgrade

For more information please refer to [Pakedge Access Point Firmware Release \(v1.22\)](#)

Version 1.19 Release Notes

Released January 16, 2017

Features

- Client reject RSSI threshold: This feature is available in the advanced settings and helps with “sticky” clients that don’t seem to roam to the closest access point. By enabling this feature, the AP will continuously monitor the station’s received signal and will de-authenticate the client when the RSSI falls below a user defined threshold. This feature is configurable on 2.4G and 5G radios independently.

Bug Fixes

- Improved site survey data accuracy
- Fixed the Wi-Fi scheduler issue when a space or a special character is used in the SSID name
- Pakedge Logo update

Version 1.18 Release Notes

Released September 14, 2016

- Now Users are able to create the same SSID on 2.4 GHz and 5 GHz without enable bandsteering
- Fix fast roaming bug
- Fix schedule bug
- Enable ch144 in FCC+DFS HT20/HT40/VHT20/VHT40
- Security Patch

Version 1.17 Release Notes

Released June 21, 2016

- Fixed connectivity issues for 2.4GHz radio with Nest thermostats when bandsteering is enabled.
Note: Please update the RE-1/2 firmware and the RK-1 firmware to 1.03 to also address the Nest issue.
- Improved channel selection.

Version 1.13 Release Notes

Released March 23, 2016

- Improved Wifi driver.
- Fixed connectivity issues for some wireless clients, including Control4 touch screen.
- Update country list by region.
Note: Please make sure the correct country is selected before performing the firmware upgrade to v1.13.
 - If the device is used in the USA, please make sure the US country code is selected before performing the firmware upgrade to v1.13.
 - If the device is used in Canada, please make sure the Canada country code is selected before performing the firmware upgrade to v1.13.
 - If the device is used in Europe, please make sure one of the European Union countries is selected before performing the firmware upgrade to v1.13.
- Improved Band Steering feature.
- GUI improvement.

Version 1.11 Release Notes

Released January 26, 2016

Note: If being used with NK-1 or C36, please ensure you have firmware v3.21 (C36) or 5.05 (NK-1-CP) before installing new updates to APs.

- Set IP configuration to DHCP by default.
- Support 802.11r fast secure roaming.
- Add location field on Dashboard and System Settings.
- Add EULA agreement when applying the newer firmware above v1.11.
- GUI improvement.
- Fixed bug that AP loses encryption after power outage.

Version 1.07 Release Notes

Released September 21, 2015

- Initial Firmware Release

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

For support in regions covered by a distribution partner, contact your distributor.

Legal notice

This document is confidential and is only made available to authorized Control4 Dealers who have agreed to terms of confidentiality under the Control4 Non-Disclosure Agreement and/or their Dealer Agreement with Control4. These terms must be maintained and pertain to all information found in this document.

Information in this document, including URL and other Internet website references, is subject to change without notice and is provided for informational purposes only. The entire risk of the use or results of the use of this document remains with the Dealer, and Control4 makes no warranties, either express or implied. Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Control4.

Control4 may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document. Except as expressly provided in any written license agreement from Control4, the furnishing of this document does not give you any license to patents, trademarks, copyrights, or other intellectual property.

This document is for reference purposes only, and it is provided only as recommendations to Dealers. Each system setup is unique and customized to a specific customer's needs. It is the Dealer's responsibility to make sure the system is compatible before making any changes and installing any updates. In addition, it is the Dealer's responsibility to get the customer's permission before accessing the customer's system and making any changes or installing any updates.

About Control4®

Control4 Corporation is a leading global provider of automation and networking systems for homes and businesses, offering personalized control of lighting, music, video, comfort, security, communications, and more into a unified smart home system that enhances the daily lives of its consumers. Control4 unlocks the potential of connected devices, making networks more robust, entertainment systems easier to use, homes more comfortable and energy efficient, and provides families more peace of mind. The Control4 platform interoperates with more than 13,000 third-party consumer electronics products, ensuring an ever-expanding ecosystem of devices will work together. Leveraging a professional channel that includes over 5,800 custom integrators, retailers, and distributors authorized to sell Control4 products, Packedge networking solutions and Triad speakers, Control4 is delivering intelligent solutions for consumers, major consumer electronics companies, hotels, and businesses around the world.

Disclaimer

Control4 makes no representations or warranties with respect to this publication, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Control4 reserves the right to make changes to any and all parts of this publication at any time, without any obligation to notify any person or entity of such changes.

Licenses

Open Source

Certain items of independent, third-party code may be included in the Software that are subject to the GNU General Public License ("GPL") or other open source licenses ("Open Source Software"). The Open Source Software remains subject to the terms of the license that accompanies such Open Source Software. Nothing herein limits your rights under, or grants you rights that supersede, the terms and conditions of any applicable end user license for such Open Source Software. In particular, nothing herein restricts your right to copy, modify, and distribute such Open Source Software that is subject to the terms of the applicable license (available at www.control4.com/opensource).

DISCLAIMER—THIS SOFTWARE IS PROVIDED BY THE APPLICABLE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright

Copyright ©2021, Wirepath Home Systems, LLC. All rights reserved. Control4 and SnapAV and their respective logos are registered trademarks or trademarks of Wirepath Home Systems, LLC, dba "Control4" and/or dba "SnapAV" in the United States and/or other countries. 4Store, 4Sight, Control4 My Home, Snap AV, Araknis Networks, BakPak, Binary, Dragonfly, Episode, Luma, Mockupancy, Nearus, NEEQ, Optiview, OvrC, Packedge, Sense, Strong, Strong Evolve, Strong Versabox, SunBriteDS, SunBriteTV, Triad, Truvision, Visualint, WattBox, Wirepath, and Wirepath ONE are also registered trademarks or trademarks of Wirepath Home Systems, LLC. Other names and brands may be claimed as the property of their respective owners. All specifications subject to change without notice.

Contact Information

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

Part Number: DOC-00476, Rev. A DH
Pakedge RK-1 Gigabit Router V1.08.0 Firmware Release Notes