CEDIA 2018 Release Notes

Pakedge Networking

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1   Introduction

The CEDIA 2018 Pakedge Networking releases include BakPak 5.0, new firmware for APs, the NK-1, and PowerPak PDUs, and Invision updates. These updates are intended for both new installations and existing installations. These software updates allow for greater expansion of management capabilities while also simplifying the management experience.

2   BakPak 5.0.0

BakPak enables dealers to remotely manage their customers' networks; whether for a simple reboot, a configuration change, or a firmware upgrade. BakPak 5.0.0 unlocks BakPak management for a wider range of customer networks making remote management a standard feature on all Pakedge WK/WX access points and PowerPak PDUs. This means remotely rebooting a device or changing a wireless password from a mobile device or a web browser is now built in with no additional hardware required.

Smart Skill: Activating Your BakPak Dealer Account (Control4 Dealer)

Smart Skill: Activating Your BakPak Dealer Account (Pakedge Dealer)

Smart Skill: Using Technician Accounts in BakPak

Smart Skill: Adding a Customer Site to BakPak

Smart Skill: Monitoring Devices Using the BakPak Web Interface

Smart Skill: Managing Web-Configurable Remote Devices with BakPak

Smart Skill: Power-cycling Remote Devices with BakPak

2.1   Expanded Hardware Support

BakPak Lite is now included on all Pakedge access points and PowerPak PDUs. Now more of your connected homes—even simple networks with only one Pakedge access point or PDU—can easily be managed and configured from a mobile device or web browser.

2.2   Updated BakPak Apps

Updated BakPak apps provide on-the-go management, such as device reboot and firmware update, right from an iOS or Android mobile device.

2.3   Updated UI

A new web user experience provides a more intuitive menu and navigation layout.

2.4   Support for Existing Hardware

Upgraded by a simple firmware update, tens of thousands of deployed Pakedge WK and WX access points can now be managed through BakPak.

3 Wireless Access Point v1.31.0 Firmware

3.1 Features

3.1.1 BakPak Lite Support

Upgrading to firmware v1.31.0 on WK and WX families of wireless access points will allow them to be remotely managed through mybakpak.com as well as the BakPak app. Once an AP has been registered to a BakPak account and added to a site, administrators and technicians will be able to manage and monitor the AP without requiring a management agent such as an RK-1 or an NK-1. The new BakPak Lite features include:

- Managed device information—Public and local IP address, MAC address, system uptime, firmware version, serial number, device physical address (123 Main St.), device on-site service location (master bedroom), and device name (name given during BakPak registration)
- Device notes
- Rebooting device—Device soft reset
- Firmware management—Ability to check the current firmware version and update firmware through BakPak
- LED configuration—Current status and LED on/off trigger
- Wireless-related configurations (wireless settings)—Enable and disable SSID, edit up to 8 SSIDs per radio band, configure and modify 1 guest SSID per radio band, and assign VLANs to the enabled SSID
- Back up and restore configuration—Create a backup of the device configuration. Restore from a previously backed-up configuration.
- Event logging
- View wirelessly connected client devices

   Important: BakPak Lite is supported only when the AP is registered directly to a BakPak account. The feature is not available when the AP is managed by an NK-1 Wireless Controller.

Smart Skill: Setting Up a Pakedge Access Point to be Remotely Managed Using BakPak Lite

Smart Skill: Configuring SSIDs for Multiple Access Points with BakPak Lite

3.1.2 Country Code Selection

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.

3.2 Defects Addressed

- 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.

4 NK-1 Wireless Controller v1.31.0 Firmware

4.1 Features

4.1.1 802.11r Fast BSS Transition

Fast BSS Transition allows seamless wireless client transition from one AP to another. Enabling 802.11r Fast BSS Transition through NK-1 is now supported. The feature can be enabled per radio or as a global setting for a group of APs.

4.1.2 Country Code Configuration

The release of NK-1 firmware v1.31.0 includes the ability to select a country code from an NK-1. 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.

> *Note: Feature only applies to NK-1 outside of the United States and Israel.*

4.1.3 User Interface Enhancements

- When enabling Dynamic Frequency Selection (DFS), a warning was added to inform the user that the connectivity will be impacted while DFS channels are being provisioned.
- In the Access Point page, an auto channel icon was added next to each AP's radio band. This will allow the user to perform auto channel selection per AP and per band.
- In the Access Point page, a cog wheel was added next to each group name to allow quick navigation and editing of the wireless configuration.

4.2 Defects Addressed

- 24584 - Upon upgrade to v1.30, the NK-1 could potentially show a bad gateway 502 error.
- 34908 - Cannot upload configuration file to the NK-1.
- 37503 - NK-1 fails to discover new APs by falsely identifying that is has reached the maximum number of supported APs.

5 PE-08I and PE-09N PowerPak v1.02.0 Firmware

5.1 Features

5.1.1 BakPak Lite Support

Upgrading to firmware version 1.02.0 on the PowerPak family of power distribution units (PDUs) will allow them to be remotely managed through mybakpak.com as well as the BakPak app. Once the

PDU has been registered to a BakPak account and added to a site, users will be able to manage and monitor it without the need for an RK-1 or NK-1 configured with BakPak. The new BakPak Lite features include:

- Managed device information—Public IP, local IP address, MAC address, system uptime, firmware version, serial number, device physical address (123 Main St.), device on-site service location (master bedroom), Device name (name given during BakPak registration).
- Device notes
- Reboot—Device soft reset.
- Firmware management—Ability to check the current firmware version and update firmware through BakPak.
- Outlet control—On, off, and reboot one or more outlets.
- Individual outlet status—View and edit outlet name, on/off state, power usage (watts), current usage (amps).
- Outlet scheduling—Up to 4 individual events per outlet, on/off/reboot and enable/disable schedules.
- Back up and restore configuration—Create a backup of the configuration or restore it from a previously backed-up configuration.
- Auto-ping and reboot—Configure auto-ping parameters, enable/disable individual ports.
- Event logging

Smart Skill: Setting Up a PowerPak PDU to be Remotely Managed Using BakPak Lite

5.1.2 Quick Page Setup

Added a single page for initial setup to get the PowerPak PDU configured in one simple step.

5.1.3 Global Entries on Auto Ping Page

The auto-ping feature now supports the ability to set two globally available IP or URL entries for use in ping testing. This removes the need to duplicate ping test settings across multiple outlets.

5.1.4 Customized OLED Display Screensaver

The Front panel OLED display has been improved with the ability to modify screensaver text to show model number, total power, voltage, or customized text.

5.1.5 Firmware Verification Page

When updating firmware through the local device's web interface, the PDU now provides firmware update release notes and a confirmation step.

5.1.6 Diagnostics Page Update

The diagnostics page in the PowerPak interface has been updated with the ability to perform a ping test.

5.1.7 Back Up and Restore Configuration

It is now possible to back up a PowerPak configuration file and apply that configuration file to another PowerPak of the same model.

5.1.8 Enable and Disable Schedule Rules

- Allows individual schedule rules to be turned on or off.
- Outlet naming and display—The user-defined outlet names will be displayed under Outlet Control and Outlet Setting pages.

5.2 Defects Addressed

- 34794 - Crestron systems not able to communicate with PowerPak devices over Telnet.
- 23637 - After being toggled, occasionally an outlet will not turn back on.
- 28756 - Reverse polarity error causes the PDU to shut down power to the outlets.
- 39575 - In rare cases, the PDU would become inaccessible through the web or Telnet interfaces.

6 Invision

- New web user experience provides a more intuitive menu and navigation layout.
- Updated "Contact Us" information to that of Pakedge in order to provide users with current support contact information.
- Removed credit card requirement from site. This is no longer required as recurring fees have been removed.

7 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	(888) 400-4072
UK	+44 1347 300001
Germany	+49 69 9675 9797
Australia	+61 18 0099 0548
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For support in regions covered by a distribution partner, contact your distributor.

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About Control4®

Control4, a leading provider of the operating system for the smart home, delivers intelligent control of consumer electronics products, appliances and networking systems through an easy-to-use and intuitive software interface. Founded in 2003, the company delivers affordable automation and control of lighting, music, video, HVAC, security, and energy management systems to the broad market through more than 1,600 custom integrators, retail outlets, and distributors in over 65 countries. Control4 is the platform of choice for major consumer electronics companies, hotels, businesses and utilities that require an intelligent, open and affordable control solution. For more information, visit www.control4.com.

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