OR100 Series – Release Notes

Product Overview

KeyWest Networks OR100 series radios are designed specifically for smart cities and wireless internet service providers, providing end to end solutions to deploy and manage their networks. These products can serve in Point to Point (PTP) and Point to Multipoint (PTMP) configuration that deliver low latency, performance, and uptime under dense RF conditions.

This document provides release notes with details on new features, enhancements and issues fixed in current firmware.

NOTE:
1. **One must upgrade the remote device first before upgrading the local device of the existing RF link.**
2. **This release is compatible with release version 1.5 (build 030221), 2.1(build 091621), 2.2(build 101321), 2.3(build 030422)**
3. **This release is not compatible with releases prior to version 1.2 (build 093020) due to significant enhancements.**

New Features & Enhancements

1. General
   a. Display of "System Name" in WebUI Header along with S/No and version of the running firmware.
   b. 2.4GHz Radio default IP configuration changed on factory reset and on upgrade
      i. IP address changed from 192.168.5.1 to 169.254.254.1
      ii. New DHCP Pool Start / End IP range - 169.254.254.100 / 169.254.254.101

Bugs Fixed

1	Sometimes Kernel crash observed during Soft Reset, Soft Reboot, Firmware Upgrade and Factory Reset process. This was due to mishandling of data traffic while system going through above process.
2	Link drop due to "Radio Chip Tuning" instances. Fix was to handle Tx Completion Interrupt properly and wait for maximum of 5-seconds to trigger soft reset if no interrupts received.
3	System hangs in Bootloader mode Fix was to issue reset system in case of kernel crash., instead of waiting in bootloader mode. Bootloader Version changed to 1.5
4	GPS Time Device Log Timestamp is updated properly

5	On SU, Fixed the issue of Soft Reset trigger 2 times during bootup
6	Optimized the SU Scanning Time – to quickly reconnect to previous operating channel before starting full spectrum scan.

Supported Radios Models

Product Models	Part Numbers	Descriptions
OR100 Series	APOR100-B18	Base Unit – 5GHz 2x2 MIMO with 18 dBi 60^0 sector antenna
	APOR100-C23	Base PTP Unit – 5GHz 2x2 MIMO with 23 dBi panel antenna
	APOR100-C18	Subscriber Unit – 5GHz 2x2 MIMO with 18 dBi panel antenna
	APOR100-X00	Base Unit – 5GHz 2x2 MIMO with 2 N-Type RF connectors