

OR100 Series – Release Notes

Firmware Version: **2.6 (040623)**

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 wireless networks. These products can be deployed 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 new firmware.

NOTE:

1. **One must upgrade the remote device first before upgrading the local device of the existing RF link and it is recommended to use the same firmware version (v2.6) across the RF Links.**
2. **This release is compatible with release version 2.5 (101722) & 2.4(build 060922).**
3. **This release is not compatible with releases prior to version 2.4(build 060922) due to significant enhancements.**

New Features & Enhancements

1. Wireless – Dynamic Data Rate Selection:
 - a. Option to limit the maximum data rate to operate in case of DDRS with auto special streams enabled.
 - i. Default configuration is based on link type as in below table:

Link type	Max Single Data Rate	Max Dual Data Rate
PTP	MCS 7	MCS19
PTMP	MCS 4	MCS 14

2. Management – downloading all log files:
 - a. Option to download all logs as a single zip file (Upgrade/Reset -> HTTP section)
3. Monitor – Link Statistics
 - a. Display of System Name instead of MAC Address in Link Statistics

Bugs Fixed

1	Fixed issue of configuring 2.4GHz radio status from GUI
2	HSB <ol style="list-style-type: none"> 1. Fetching HSB Statistics from SNMP 2. Flap Ethernet interface thrice in case of 'No Partner' condition 3. Included additional debug logs in HSB events
3	Fixed issue of resetting Distance parameter to defaults on change of link type. Default values (PTP: 25Km, PTMP: 10Km)
4	Fixed display of broadcast/multicast counter in wireless interface statistics
5	Fixed display of RF Link uptime when the uptime is more than 49 days

Known Issues

1	Duplicate entry of connected AP will be displayed in SU Site Survey scan results, if Hide SSID option is enabled
2	Hide SSID option is not supported for US 4.9 Country
3	RF link connectivity issue in DFS channels with 80MHz bandwidth
4	Link drop due to "Radio Inactivity Detected" instances. This scenario can happen when operating in a high interference RF channel. Note: RF link will auto recover within 2 minutes. It's recommended to perform spectrum scan and change RF link to interference free channel.

Supported Radios Models

Product Models	Part Numbers	Descriptions
OR100 Series	APOR100-B18	Base Unit – 5GHz 2x2 MIMO with 18 dBi 60° 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