

Release Notes - 2019 M12



RDK Reference Platform Release - 2019 M12

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Introduction

This Release Notes document details on the delivery version 2019 M12 for the RDK Reference Platform to the RDK Community

1. Release Feature Information
2. Software and Hardware requirements to build
3. Known limitations
4. Updated Platform Tickets

Release Information

Below are the list of release features supporting R-Pi platform and Emulator.

Si. No	Feature	Device	Profile	Remarks	Tickets
1	Backup and Restore Feature in RDKB Rpi	RPI	Broadband	• This feature is enhanced with security addition in a way that user can able to store the settings in encrypted format using key input and same key should be used to restore the settings through WeBUI Interface	REFPLTB-301
2	Band Steering Support in RPI	RPI	Broadband	• This feature will allow the wifi clients with dual band support (2.4GHz and 5GHz) to have better connectivity. Band steering functionality running in RPi will change SSID information for dual bands to accomplish this feature.	REFPLTB-432

3	Restructuring of all wifi hal api's with support of dynamic hostapd changes in RPI	RPI	Broadband	This support will bring the enhancements in accessing wifi parameters on RPI Platform. By bypassing hostapd restart for every change of wifi parameters and including dynamic hostapd change support, RPI based system is performing better without time out failure	REFPLTB-477
4	IPv6 functionality is broken for RDKB Raspberry-pi	RPI	Broadband	This change will support Ipv6 functionality in RPI which uses dibbler server and client	REFPLTB-483 (Sub-task of REFPLTB-247)
5	RDK-B WiFi Extender: Reference Implementation on Turris Omnia	Turris Omnia	Broadband	Manifest files added for extender profile Turris platform	REFPLTB-278 REFPLTB-446
6	Community, TDK Tickets	RPI and Emulator	Broadband	Pushed to rdk-next for RDKB RPI and RDKB EMU	REFPLTB-445 REFPLTB-304 REFPLTB-421 REFPLTB-401 REFPLTB-437 REFPLTB-395 REFPLTB-452 REFPLTB-7 REFPLTB-310 REFPLTB-355 REFPLTB-459 REFPLTB-461 REFPLTB-464 REFPLTB-471 REFPLTB-481
7	Community, TDK Tickets	RPI and Emulator	Video	Pushed to rdk-next for RDKB RPI and RDKB EMU	REFPLTV-378

Hardware and Software Requirements

Supported software and hardware

- Preferred 2.4GHZ WIFI adapter for Emulator: Tenda 150Mbps Wireless PICO USB Adapter with RT5370 chipset (W311MI) (or)
- Preferred 2.4GHZ WIFI adapter for Emulator: TP-Link AC1200 Wireless Dual Band USB Adapter (Archer T4U)
- Preferred 5GHZ WIFI adapter for Emulator/RPI: TP-Link AC1200 Wireless Dual Band USB Adapter (Archer T4U)
- Preferred xfinity-wifi 2.4GHZ WIFI adapter for RPI: TP-LINK TL-WN823N 300Mbps Mini Wireless N USB Adapter
- New dongle - Ultra-fast 1300 (867+400) mbps wireless speed with 802.11ac
- XCONF server - CMF
- USB to Ethernet
- Desktop PCs
- 8 GB SD-Card

Known Issues and Limitations

Backup and Restore Support in RDKB RPI

Please refer to Design and user manual for limitations and issues

- [Backup and Restore Support in RPI - Design - 2019](#)
- [Backup and Restore Support in RPI - User manual - Broadband](#)

Band Steering Support in RDKB RPI

Please refer to Design and user manual for limitations and issues

- [RDKB BandSteering\(With CcspWifiAgent\) - Design Approach](#)
- [Band Steering User manual\(With CcspWifiAgent\) - RDKB](#)

Project Documentation

Below are the list of supporting documents that are part of release

1	User Feature Manual	• Release feature user manual - Broadband [2019 M12]	The user manual consists of procedure to test the particular feature
2	Feature Design Approach Doc	• High Level Design Approach - Broadband [2019 M12]	An high level design document which explains the design flow of each and every feature
3	System Test Plan Results	• System Test Plan and Report - Broadband [2019 M12]	This document contains multiple test cases and test results which are captured after test execution
4	Release Notes	• Release Notes - 2019 M12	Release Notes -This document
5	Requirement Traceability Table	• E-09874-01-01_RDK_ReferencePlatforms_RTT_December_2019_Sprint.xls	This document tracks the requirement/feature from end to end (For Eg: from design,coding,testing, documentation are tracked for an particular feature. This enables the user to have a quick references of a particular feature

Technical Support contact

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