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|  | 封面1 |  | | |
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|  | Ruijie RG-WLAN Series Access Points RGOS 11.9(4)B1P9 | | |  |
|  | Official Release Notes | | |  |
|  | | |  | |
| Document version: V1.0  Date: May 23, 2025  Copyright © 2025 Ruijie Networks |  |

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Preface

Intended Audience

This document is intended for:

* Network engineers
* Technical support and servicing engineers
* Network administrators

Technical Support

* Ruijie Networks website: <https://www.ruijie.com>
* Online support center: <https://www.ruijie.com/support>
* Case portal: <https://caseportal.ruijie.com>
* Community: <https://community.ruijie.com>
* Email support: [EBGITSC@ruijie.com.cn](mailto:EBGITSC@ruijie.com.cn)
* Live chat: <https://www.ruijie.com/rita>
* Documentation feedback: [doc@ruijie.com.cn](mailto:doc@ruijie.com.cn)

Conventions

1. Conventions

| **Convention** | **Description** |
| --- | --- |
| **Boldface** | The keywords of a command line are in **boldface**. |
| *Italic* | Command arguments are in *italics*. |
| [ ] | Items in square brackets are optional. |
| [ x | y ] | Optional items are grouped in braces and separated by vertical bars. One item or no item is selected. |
| { x | y } | Optional items are grouped in brackets and separated by vertical bars. One item is selected. |
| [ x | y | ... ] \* | Optional items are grouped in braces and separated by vertical bars. Several items or no item can be selected. |
| { x | y | ... } \* | Optional items are grouped in brackets and separated by vertical bars. A minimum of one item or a maximum of all items can be selected. |
| &<1-n> | The parameter before the & sign can be repeated for consecutive 1-n times. |
| // | A line starting with double slashes is comments. |

1. Signs

The signs used in this document are described as follows:

* Warning

An alert that calls attention to important rules and information that if not understood or followed can result in data loss or equipment damage.

**Caution**

An alert that calls attention to essential information that if not understood or followed can result in function failure or performance degradation.

**Note**

An alert that contains additional or supplementary information that if not understood or followed will not lead to serious consequences.

* Specification

An alert that contains a description of product or version support.

1. **Notes**

This manual introduces the version information, revision history, features, resolved issues, known issues, supported platforms, software upgrading, and related documentation.

Contents

[Preface i](#_Toc215665600)

[1 Version Information 1](#_Toc215665601)

[2 Hardware Support 5](#_Toc215665602)

[3 New Features 6](#_Toc215665603)

[4 Resolved Issues 7](#_Toc215665604)

[5 Open Issues 8](#_Toc215665605)

[6 Upgrade Files 9](#_Toc215665606)

[7 Upgrade Precautions 10](#_Toc215665607)

# Version Information

The following table shows the basic information about the current release.

|  |  |
| --- | --- |
| Version Number | AP\_RGOS 11.9(4)B1P9 |
| Applicable Products | AP180(JA) V1.xx  AP180(JP) V1.xx  AP180-AC V1.xx  AP180-PE V1.xx  AP180(JA) V2.xx  AP180-AC V2.xx  AP180-PE V2.xx  AP180-AC V3.xx  AP180-PE V3.xx |
| Release Type | Official release |

Run the **show version** command to display information about the software version.

|  |  |
| --- | --- |
| AP180(JA) V1.xx | System description : Ruijie Indoor AP180(JA) (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.  System start time : 1970-01-01 09:00:00  System uptime : 0:00:01:33  System hardware version : 1.00  System software version : AP\_RGOS 11.9(4)B1P9, Release(09151815)  System patch number : NA  System software number : M11042011272025  System serial number : G1QH246066230  System boot version : 2017.09.0abdc38(200722)  System core version : 2.6.32.fc250e3574e8c7 |

|  |  |
| --- | --- |
| AP180(JP) V1.xx | System description : Ruijie Indoor AP180(JP) (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.  System start time : 1970-01-01 09:00:00  System uptime : 0:00:01:33  System hardware version : 1.00  System software version : AP\_RGOS 11.9(4)B1P9, Release(09151815)  System patch number : NA  System software number : M11042011272025  System serial number : G1QH246066231  System boot version : 2017.09.0abdc38(200722)  System core version : 2.6.32.fc250e3574e8c7 |

|  |  |
| --- | --- |
| AP180-AC V1.xx | System description : Ruijie Indoor AP180-AC (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.  System start time : 1970-01-01 09:00:00  System uptime : 0:00:01:33  System hardware version : 1.00  System software version : AP\_RGOS 11.9(4)B1P9, Release(09151815)  System patch number : NA  System software number : M11042011272025  System serial number : G1QH246066232  System boot version : 2017.09.0abdc38(200722)  System core version : 2.6.32.fc250e3574e8c7 |

|  |  |
| --- | --- |
| AP180-PE V1.xx | System description : Ruijie Indoor AP180-PE (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.  System start time : 1970-01-01 09:00:00  System uptime : 0:00:01:33  System hardware version : 1.00  System software version : AP\_RGOS 11.9(4)B1P9, Release(09151815)  System patch number : NA  System software number : M11042011272025  System serial number : G1QH246066233  System boot version : 2017.09.0abdc38(200722)  System core version : 2.6.32.fc250e3574e8c7 |

|  |  |
| --- | --- |
| AP180(JA) V2.xx | System description : Ruijie Indoor AP180(JA) (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.  System start time : 1970-01-01 09:00:00  System uptime : 0:00:01:33  System hardware version : 2.00  System software version : AP\_RGOS 11.9(4)B1P9, Release(09151815)  System patch number : NA  System software number : M11042011272025  System serial number : G1QH246066234  System boot version : 2017.09.00331a5(211130)  System core version : 2.6.32.fc250e3574e8c7 |

|  |  |
| --- | --- |
| AP180-AC V2.xx | System description : Ruijie Indoor AP180-AC (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.  System start time : 1970-01-01 09:00:00  System uptime : 0:00:01:33  System hardware version : 2.00  System software version : AP\_RGOS 11.9(4)B1P9, Release(09151815)  System patch number : NA  System software number : M11421811272025  System serial number : G1QH246066239  System boot version : 2017.09.00331a5(211130)  System core version : 2.6.32.fc250e3574e8c7 |

|  |  |
| --- | --- |
| AP180-PE V2.xx | System description : Ruijie Indoor AP180-PE (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.  System start time : 1970-01-01 09:00:00  System uptime : 0:00:01:33  System hardware version : 2.00  System software version : AP\_RGOS 11.9(4)B1P9, Release(09151815)  System patch number : NA  System software number : M11421811272025  System serial number : G1QH246066239  System boot version : 2017.09.00331a5(211130)  System core version : 2.6.32.fc250e3574e8c7 |

|  |  |
| --- | --- |
| AP180-AC V3.xx | System description : Ruijie Indoor AP180-AC (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.  System start time : 1970-01-01 08:00:00  System uptime : 0:00:00:47  System hardware version : 3.00  System software version : AP\_RGOS 11.9(4)B1P9, Release(09151815)  System patch number : NA  System software number : M11071111272025  System serial number : 1234942571996  System boot version : 1.7.2.7c0a0a08cc(230508)  System core version : 2.6.32.3f9650018bed21 |

|  |  |
| --- | --- |
| AP180-PE V3.xx | System description : Ruijie Indoor AP180-PE (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.  System start time : 1970-01-01 08:00:00  System uptime : 0:00:00:47  System hardware version : 3.00  System software version : AP\_RGOS 11.9(4)B1P9, Release(09151815)  System patch number : NA  System software number : M11071111272025  System serial number : 1234942571996  System boot version : 1.7.2.7c0a0a08cc(230508)  System core version : 2.6.32.3f9650018bed21 |

Release Number Description

Software number M00212902172017 indicates 00:21:29 on February 17, 2017.

Note

* The release number is in the format of AABBCCDD.
* AA represents the year, with 01 for 2014, 02 for 2015, and so forth.
* BB represents the month with 13 for January, 14 for February, and so forth.
* CC represents the date.
* DD represents the time in a 24-hour format. For example, 16 represents 4 PM.

For example, release number 02212520 indicates 8 PM on September 25, 2015.

# Hardware Support

The following table shows the hardware supported by RGOS 11.9(4)B1P8.

|  |  |  |
| --- | --- | --- |
| Hardware Model | Version Number | Description |
| AP180(JA)  AP180(JP)  AP180-AC  AP180-PE | V1.xx | Wall-plate access point, dual-radio, dual-band.  Support for wall mounting only for Japanese projects. |
| AP180(JA)  AP180-AC  AP180-PE | V2.xx | Wall-plate access point, dual-radio, dual-band.  Support for wall mounting only for Japanese projects. |
| AP180-AC  AP180-PE | V3.xx | Wall-plate access point, dual-radio, dual-band.  Support for wall mounting only for Japanese projects. |

Note

See *Hardware Installation and Reference Guide* of each product for details.

# New Features

Eweb password strength is enhanced. The password must be a combination of at least three types of the following: uppercase letters, lowercase letters, numbers, and special characters.

# Resolved Issues

|  |  |
| --- | --- |
| Bug ID | Description |
| 1 | The AP works in routing mode, and the wide area network (WAN) port is configured with static IP mode. In this case, the STA associated with the AP cannot access the network because the next hop is not specified. |
| 2 | The **Delete** button displayed on the **WiFi WLAN** page by choosing **Config** > **Wireless** on the Eweb of the AP is incorrectly translated into Japanese. |
| 3 | STAs that support SPP-AMSDU cannot be associated with the AP. |
| 4 | Some STAs fail to be associated with the AP through Wi-Fi Protected Setup (WPS). |
| 5 | The Eweb has a Cross-Site Scripting (XSS) vulnerability. |
| 6 | The IP address of a user who fails 10 login attempts with a non-existent username is not locked. |
| 7 | An Eweb account is permitted to log in from different locations simultaneously. |
| 8 | The AP is enabled with fixed channels 132, 136, and 140, but the configuration does not take effect after the AP restarts. |
| 9 | The AP restarts due to the receipt of IPv6 TCP packets that are not transparently transmitted. |
| 10 | After the NTP server address of the AP is changed, it is not displayed properly on eWeb. |
| 11 | The uplink port is connected to the Internet, but a "Network error." message appears when checking the Internet connection on eWeb. |
| 12 | Resolve web injection vulnerabilities. |
| 13 | Resolve command execution vulnerabilities. |

# Open Issues

| Bug ID | Description |
| --- | --- |
| 1 | VLANs can be configured through the Eweb but cannot be deleted. |
| 2 | The forwarding rate of small packets on wired ports fails to reach the standard speed, that is, 900 Mbps. |
| 3 | In a concurrent test, the average transmission rate of STAs in the IEEE 802.11ac HT40 mode and HT80 mode is lower than the previous version. There are STAs with the transmission rate of lower than 2 Mbps. |
| 4 | During a received signal strength indicator (RSSI) test, the 5 GHz RSSI is 2.9 dBm lower than that of the AP180PE-V2 in six positions under LOS (line of sight) conditions. |
| 5 | The LOS and NLOS (non-line of sight) coverage range of the AP using the 5 GHz frequency band is 10%–30% smaller than that of the AP180PE-V2. |
| 6 | The AP pings IPv6 addresses successfully even with ping disabled and IPv6 forwarding enabled on WAN ports. |
| 7 | The AP restarts when its trunk port is connected and the operating temperature is over 40 °C (104 °F). |
| 8 | The WAN port configures multiple Domain Name System (DNS) servers, but only the first one takes effect. In this case, users need to ensure the availability of DNS servers during configuration. |

# Upgrade Files

Use the following files to upgrade the firmware to RGOS 11.9(4)B1P9.

|  |  |  |  |
| --- | --- | --- | --- |
| Applicable Product | File Name | File Size | MD5 |
| AP180(JA) V1.xx  AP180(JA) V2.xx  AP180(JP) V1.xx  AP180-AC V1.xx  AP180-PE V1.xx | AP\_RGOS11.9(4)B1P9\_S2X2-08\_09151815\_install.bin | 22949688  bytes | c4581dfc5e3daf8f9eae3fc6c9c528b4 |
| AP180-AC V2.xx  AP180-PE V2.xx | AP\_RGOS11.9(4)B1P9\_S2X2-25\_09151815\_install.bin | 22933757  bytes | 8ee3e6fe300d0d46dccf63d27d13ed17 |
| AP180-AC V3.xx  AP180-PE V3.xx | AP\_RGOS11.9(4)B1P9\_S2X2-27\_09151815\_install.bin | 25214056  bytes | c6ed17ff10fe0f360b4d8f0622b493ba |

# Upgrade Precautions

The following are some precautions for upgrading WLAN series AP RGOS 11.9(4)B1P9:

* Run **the show version** command to check the current firmware version before the upgrade. Select a proper upgrading mode according to the current firmware and the target firmware versions.
* During the upgrade, pay attention to the prompt messages. If a failure occurs, please save the log and contact us for technical support.
* During the upgrade, you are advised not to power off or reset the system, or plug or unplug any module.
* Run the **show version** command to check the firmware version number after the upgrade.