RG-WLAN Series Access Point RGOS Release Notes, RGOS11.1(5)B40P2S1

Release Date: Jul. 31, 2018

Contents

This document includes the following sections:

Basic Information

Table 1 lists the basic information of the current release.

Table 1 Basic Information of the Current Release

Current Release	AP_RGOS 11.1(5)B40P2S1
Previous Release	AP_RGOS 11.1(5)B40P2
Applicable Product	RG-AP630(IDA2)
	RG-AP520(W2)
	RG-AP720-L
	RG-AP710
	RG-AP720-I
	RG-AP740-I
	RG-AP740-I(C)
	RG-AP130(W2)
	MACC version requirement: 3.0 or later
Target Customer	SMB in Turkey
Category	Official release

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

RG-AP630(IDA2)

```
630IDA2#show version detail
System description     : Ruijie Outdoor AP630(IDA2) (802.11a/n/ac wave2 and
802.11b/g/n, Integrated Directional-Antenna) By Ruijie Networks.
System start time      : 2018-07-30 20:47:29
System uptime          : 0:12:56:04
System hardware version : 1.01
System software version : AP_RGOS 11.1(5)B40P2S1, Release(05193012)
System patch number    : NA
```

```
System software number : M12295507302018
System serial number   : G1LQCLC003751
System boot version    : 3.0.4.6999c44(171130)
System core version    : 3.4.68.004e9eb2c9d4a4
```

RG-AP720-L

```
720-L#show version detail
System description     : Ruijie Indoor AP720-L (802.11a/n/ac and 802.11b/g/n)
By Ruijie Networks.
System start time      : 2018-07-30 20:51:26
System uptime          : 0:12:49:44
System hardware version : 1.00
System software version : AP_RGOS 11.1(5)B40P2S1, Release(05193011)
System patch number    : NA
System software number : M11424307302018
System serial number   : G1LQ66N051032
System boot version    : 2.0.23.e32bc09(170411)
System core version    : 2.6.32.cb09b104816c6d
```

RG-AP520(W2)

```
ruijie#show version detail
System description     : Ruijie indoor AP520(W2) (802.11a/n/ac and
802.11b/g/n) By Ruijie Networks.
System start time      : 1970-01-01 07:59:59
System uptime          : 0:00:02:21
System hardware version : 1.00
System software version : AP_RGOS 11.1(5)B40P2S1, Release(05193012)
System patch number    : NA
System software number : M12090507302018
System serial number   : G1KD8HH006523
System boot version    : 2.0.25.1479fb9(170827)
System core version    : 2.6.32.cb09b10961c67e
```

RG-AP710

```
710#show version detail
System description     : Ruijie Indoor AP710 (802.11a/n/ac and 802.11b/g/n)
By Ruijie Networks.
System start time      : 2018-07-24 11:10:10
System uptime          : 6:22:34:18
System hardware version : 1.00
System software version : AP_RGOS 11.1(5)B40P2S1, Release(05191616)
System patch number    : NA
System software number : M16320707162018
System serial number   : G1LQ66N053806
System boot version    : 2.0.23.e32bc09(170411)
```

```
System core version    : 2.6.32.701a2384816c6d
```

RG-AP720-I

```
720-I#show version detail
System description    : Ruijie Indoor AP720-I (802.11a/n/ac and 802.11b/g/n)
By Ruijie Networks.
System start time     : 1970-01-01 07:59:59
System uptime         : 0:12:54:00
System hardware version : 1.02
System software version : AP_RGOS 11.1(5)B40P2S1, Release(05193011)
System patch number    : NA
System software number  : M11530507302018
System serial number    : G1LQ68P01315B
System boot version    : 3.0.4.5096aaf(171016)
System core version    : 3.14.3.a772a4ca4b2a94
```

RG-AP740-I

```
740-I#show version detail
System description    : Ruijie Indoor AP740-I (802.11a/n/ac and 802.11b/g/n)
By Ruijie Networks.
System start time     : 1970-01-01 07:59:59
System uptime         : 0:13:00:21
System hardware version : 1.00
System software version : AP_RGOS 11.1(5)B40P2S1, Release(05193012)
System patch number    : NA
System software number  : M12302907302018
System serial number    : G1KDA0T001211
System boot version    : 3.0.4.6999c44(171130)
System core version    : 3.4.68.004e9ebb75ca3b
```

RG-AP740-I(C)

```
Ruijie#show version detail
System description    : Ruijie Indoor AP740-I(C) (802.11a/n/ac and
802.11b/g/n) By Ruijie Networks.
System start time     : 1969-12-31 23:59:59
System uptime         : 0:00:04:20
System hardware version : 1.00
System software version : AP_RGOS 11.1(5)B40P2S1, Release(05193012)
System patch number    : NA
System software number  : M12302907302018
System serial number    : 1234942570026
System boot version    : 3.0.4.6999c44(171130)
System core version    : 3.4.68.004e9ebb75ca3b
```

RG-AP130(W2)

```
Ruijie#show version detail
System description    : Ruijie indoor AP130(W2) (802.11a/n/ac and
802.11b/g/n) By Ruijie Networks.
System start time     : 1969-12-31 23:59:59
System uptime         : 0:01:44:35
System hardware version : 1.10
System software version : AP_RGOS 11.1(5)B40P2S1, Release(05193011)
System patch number    : NA
System software number  : M11505607302018
System serial number    : G1MQ4Q703403A
System boot version    : 2.0.24.2632812(170619)
System core version    : 2.6.32.cb09b10e8b425e
```

Release Number Description

Software number M20015609252015 indicates 20:01:56 on September 25, 2015.

> 1) Release number is formatted as AABBCCDD. 2) AA indicates year. 01 stands for 2014, 02 for 2015 and so on. 3) BB indicates month. 13 stands for January, 14 for February and so on. 4) CC indicates date. 5) DD indicates time in 24-hour format, e.g., 16 stands for 4pm.

Take release number 02212520 for example. It indicates 8pm on September 25, 2015.

Hardware Supported

Table 2 shows the hardware supported by the RGOS 11.1(5)B40P2S1.

Table 2 Supporting Hardware Models

Hardware Model	Version	Description
RG-AP630(IDA2)	1.x	Outdoor dual-band AP
RG-AP520(W2)	1.x	Indoor dual-band AP
RG-AP720-L	1.x	Indoor dual-band AP
RG-AP130(W2)	1.x	Indoor dual-band AP
RG-AP740-I(C)	1.x	Indoor dual-band AP
RG-AP740-I	1.x	Indoor dual-band AP
RG-AP720-I	1.x	Indoor dual-band AP
RG-AP710	1.x	Indoor dual-band AP

Note   The hardware version number is rounded to the first decimal place. The numeral in the second decimal place does not change the supporting release.

Changes

This section describes the changes.

New Feature: NAT Logging

Feature	The new feature of NAT logging is provided. And its format is as follows:
	*Jan 1 00:04:28: %NAT-6-FLOW: User access service<device_sn=G1KD8HH006523, source_mac: d0-fc-cc-d3-4f-b6, ip_protocol=6, app_protocol=0, user_name=192.168.24.2, ori_src_ip=192.168.24.2, ori_dst_ip=223.167.104.147, ori_src_port=47086, ori_dest_port=80, rep_src_ip=223.167.104.147, rep_dst_ip=172.31.61.207, rep_src_port=80, rep_dest_port=47086, ori_vrfid=0, rep_vrf=0, ori_input_bytes=982, rep_input_bytes=538, die_time=26803, create_time=25783>
	Field Description:
	device_sn: Indicates the serial number of the device.
	source_mac: Indicates the MAC address of the user.
	ip_protocol: Indicates the IP protocol, such as TCP (6), UDP (17), ICMP (1), IGMP (2)
	app_protocol: Indicates the application-layer protocol. Generally speaking, the value is set to 0.
	user_name: Indicates the username, which is the user's IP address.
	ori _src_ip: Indicates the source IP address of the original flow.
	ori_dst_ip: Indicates the target IP address of the original flow.
	ori_src_port: Indicates the source port of the original flow.
	ori_dest_port: Indicates the target port of the original flow.
	rep_src_ip: Indicates the source IP address of the response flow.
	rep_dst_ip: Indicates the target IP address of the response flow.
	rep_src_port: Indicates the source port of the response flow.
	rep_dest_port: Indicates the target port of the response flow.
	ori_vrfid: Indicates the VRF ID of the original flow.
	rep_vrf: Indicates the VRF ID of the response flow.
	ori_input_bytes: Indicates the uplink traffic.
	rep_input_bytes: Indicates the downlink traffic.
	die_time: Indicates when the flow table is cleared. (The current tick number)
	create_time: Indicates when the flow table is created. (The current tick number)
CLI Command	In global configuration mode, run the **ip nat logging enable** command to enable NAT logging. Run the **no** form of this command to disable NAT logging.
	By default, NAT log printing is disabled.
	Run the **show running-config** command to display related configurations.
Required Release	MACC 3.0 or later

Revision: Username Added to the Online Log of a Web Authenticated User

Feature	Username is added to the online log of a Web authenticated user. And its format is as follows:
	*Jun 20 14:36:08: %WEBAUTH-6-USER_ONLINE: User Authenticated: User Name test1, MAC Address e458.b822.0daf, IP address 192.168.23.2, AP Name 064b.3df0.59f2, base radio MAC 064b.3df0.59f2, SSID @630ida2-xxx5444.

	Field Description:
	User Name: Indicated the username.
	MAC Address: Indicates the MAC address of the user.
	IP address: Indicates the user's IP address.
	AP Name: Indicates the AP name. The default name is the MAC address of the AP device.
	base radio: Indicates the associated RF port.
	SSID: Indicates the associated SSID.
CLI Command	In global configuration mode, run the **[no] web-auth logging enable 0** command to enable printing of the online log of a Web authenticated user. Run the **no** form of this command to disable printing of the online log of a Web authenticated user. By default, printing of the online log of a Web authenticated user is disabled. Run the **show running-config** command to display related configurations.
Required Release	MACC 3.0 or later

Revision: Change single-stream to dual-stream for RG-AP710

Feature	Change single-stream to dual-stream for RG-AP710.
CLI Command	NA.
Required Release	MACC 3.0 or later

Resolved Issues

This section describes the fixed bugs.

No.	Bug Description
1	On the core, all the log types are changed to debug, which leads to incomplete printing of logs.
2	On an AC with the version AC_RGOS 11.9(0), if unsupported country codes are configured to the AP RF port via CLI, no information about unsupported countries is displayed. On the AC, the AP RF port is displayed to take effect. However on the AP, it is displayed that the country code does not take effect.
3	When there is a space in the field of SSID, WiFiDog authentication gets abnormal.
4	The problem that only Chinese and English characters are allowed into the input box is solved.
5	Optimize Web layout.

Upgrade Packages

Table 5.1 RG-AP630(IDA2)

Applicable Product	File	File Size	MD5
RG-AP630(IDA2) v1.x	AP_RGOS11.1(5)B40P2S1_S1C4-02_05193012_install.bin	28,878,644 bytes	6582465fa10a06a3501e8c62d04612eb

Table 5.2 RG-AP720-L

Applicable Product	File	File Size	MD5
RG-AP720-L v1.x	AP_RGOS11.1(5)B40P2S1_S1C2-21_05193011_install.bin	22,342,399 bytes	54f0110a27248dd49387c0dd8ca3d1ae

Table 5.3 RG-AP710

Applicable Product	File	File Size	MD5
RG-AP710 v1.x	AP_RGOS11.1(5)B40P2S1_S1C2-21_05191616_install.bin	22,336,269 bytes	a5212f32b9507878ec3548f8479ff98c

Table 5.4 RG-AP520(W2)

Applicable Product	File	File Size	MD5
RG-AP520(W2) v1.x	AP_RGOS11.1(5)B40P2S1_S1C2-16_05193012_install.bin	22,343,863 bytes	4a636f351e0ee512f4495952f349bf31

Table 5.5 RG-AP720-I

Applicable Product	File	File Size	MD5
RG-AP720-I v1.x	AP_RGOS11.1(5)B40P2S1_S1C2-12_05193011_install.bin	32,260,092 bytes	115a7e31b416cab67a447af93005e0dc

Table 5.6 RG-AP740-I

Applicable Product	File	File Size	MD5
RG-AP740-I v1.x	AP_RGOS11.1(5)B40P2S1_S1C4-01_05193012_install.bin	30,197,865 bytes	bbd86fc9052c4aeaa6697e45a1b5f261

Table 5.7 RG-AP740-I(C)

Applicable Product	File	File Size	MD5
RG-AP740-I(C) v1.x	AP_RGOS11.1(5)B40P2S1_S1C4-01_05193012_install.bin	30,197,865 bytes	bbd86fc9052c4aeaa6697e45a1b5f261

Table 5.8 RG-AP130(W2)

Applicable Product	File	File Size	MD5
RG-AP130(W2) v1.x	AP_RGOS11.1(5)B40P2S1_S1C2-17_05193011_install.bin	22,260,465 bytes	f02ed70755de2135b02a05f7bffdceeb

Upgrade/Downgrade Tips

The following are some tips for upgrading/downgrading the RG-WLAN Series Wireless Controller:

- Use the **show version** command to check the current firmware before upgrade/downgrade. Select proper upgrade/downgrade mode according to the current firmware and the target firmware.
- During the upgrade and downgrade, pay attention to the prompt messages. If failures occur, please save the log and contact us for technical assistance.

- During the upgrade and downgrade, it is recommended you not power off or reset the system, or plug/unplug any module.
- Use the **show version** command to check the firmware after the upgrade/downgrade.