

Ruijie Wireless Product Authorization System

User Manual

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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: <u>https://www.ruijienetworks.com/</u>
- Online support center: <u>https://ruijienetworks.com/support</u>
- Case portal: <u>https://caseportal.ruijienetworks.com</u>
- Community: <u>https://community.ruijienetworks.com</u>
- Email support: <u>service_rj@ruijienetworks.com</u>
- Live chat: https://www.ruijienetworks.com/rita
- Documentation feedback: <u>doc@ruijie.com.cn</u>

Conventions

1. GUI Symbols

GUI Symbol	Description	Example
Boldface	 Button names Window names, tab name, field name and menu items Link 	 Click OK. Select Config Wizard. Click the Download File link.
>	Multi-level menus items	Select System > Time.

2. 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.

1 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.

3. Notes

The manual provides configuration information, including models, port types, and command line interfaces, for reference purposes only. In the event of any discrepancy or inconsistency between the manual and the actual version, the actual version shall take precedence.

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1 Wireless Product Authorization System

1.1 Introduction

The Ruijie Product Authorization (RG-PA) system provides functions for applying, generating, and querying Ruijie product authorization certificates, as well as managing hardware replacement. The system supports the license authorization for application software, switches, and wireless products, which is independently launched by Ruijie Networks (Ruijie for short hereafter). License authorization allows customers who purchase the specified software license to obtain the use right of the corresponding software by installing the license file on the specified device. The license file is available only on the specified device.

A license must be obtained from Ruijie's official website or through their marketing channels. The license is specific to each device. Log in to the website indicated on the purchase credential. Provide the product authorization code and host ID as prompted to obtain the license by downloading it from the authorization system or receiving it via email. Afterwards, install the license file and then you will have access to licensed features. RGOS licenses include official license and temporary license. When you enable a temporary license for a feature, the validity period of the license starts, and after the period expires, the feature will be unavailable. To continue using this feature, you need to purchase an additional license, either official or temporary, from Ruijie's official website or through their marketing channels.

1.2 Concepts

Log in to <u>https://pa.ruijie.com.cn/main_wireless.jsf</u> to bind the license with the device and generate a license file.<u>http://pa.ruijie.com.cn:8001/main_wireless.jsf</u>

1.2.1 License Compatibility

There are two types of licenses:

- (1) The old license developed for the RGOS 10.x version, which is sold in the form of a CD.
- (2) The new license developed for the modular RGOS 11.x version, which is sold with a paper license.

The old license can be installed on a wireless access controller (AC) running RGOS 10.x or 11.x, whereas the new license can be installed only on an AC running RGOS 11.x. You should meet the following guidelines when installing the license:

- The AC running RGOS 10.x can be installed with only the old license.
- The AC running RGOS 10.x can be upgraded to RGOS 11.x without losing the license.
- The AC running RGOS 11.x can be installed with both new and old licenses.

1.2.2 License Uninstallation

The old license cannot be uninstalled, whereas the new license can be uninstalled using the **license uninstall** command.

1.2.3 License Query

Run the **show license all-license** command to display details about the installed old and new licenses. On later versions than RGOS11.1(5)B8, the **show license** command is also supported.

WS5708# show license	
Serial Number : 8652EH9530019	
No. Activation Key	AP Number
Total 128 access points are supported, old	version 0, new version 0.

The last row in the command output displays the expanded capacity of the old and new licenses respectively. The command output also includes the details of the old license, the same as that on RGOS 10.x.

2 Official License

2.1 Registering with a CD License

2.1.1 Obtaining the Authorization Code and Serial Number

(1) Open the PDF file named Certification.pdf in the purchased CD and obtain the 12-digit authorization code.



	License Certification
Date Issue	: 09/12/2013
Purchase Product	: Mobility Exchange Licnese Upgrade
Quantity	: One
Description	: 128 managed MP license upgrade for wlan-ac
Ruijie model	: RG_WS_LIC_128
License	:880 Authorization Code

(2) Note the serial number (SN) of the AC to be registered and run the **show version** command to check whether the SN in the command output is consistent with the SN on the AC. The SN is a string of 13 characters.



2.1.2 Binding a License

A product can be authorized only after an authorization code is bound to the product.

 Log in to product authorization system <u>https://pa.ruijie.com.cn/main_wireless.jsf</u> and bind the authorization code to the product.<u>http://pa.ruijie.com.cn:8001/main_wireless.jsf</u>

A Caution

- The email address must be real because the account needs to be activated by email. An email address cannot be used repeatedly.
- The device SN is interconnected with Ruijie's inventory management system. A device not from Ruijie's inventory management system is not produced by Ruijie by default, and the license binding will fail.

Rujje	RG-PA	Ruijie Proc	luct Authorization	System	Support Mail:service_rj@rujjienetworks.com 🤮 Online Service 🖋 About
	Â	Inquiry	Temporary License	Unbind License	
Location: Homepage					
• Bind License					
* Email:			Please ma	ike sure your Email is c	orrect, receive license files.
* Customer :					
* SN :			Wireless View Image	View Command	
Product Type :					
Product Series :					
Product Name :					
Authorization Code1	:		Add		
SN and authorization of Complete	ode are case-se	ensitive. If you e	enter the wrong authorizati	on code for too many t	imes, your account will be locked

Configuration Item	Description
Email	The email address must be real because the account needs to be activated by email. An email address cannot be used repeatedly.
Customer	Your real name
SN	Serial number of the AC
Authorization Code	Registration code contained in the PDF file in the CD

(2) To bind multiple authorization codes, click Add.

RG-PA Ruijie Product Authorization System			System	Support Mail:service_rj@ruijienetworks.com	Sonline Service / About	
		Inquiry	Temporary License	Unbind License		
Location: Homepag						
Bind License						
* Email :			Please m	ake sure your Email is c	orrect, receive license files.	
* Customer :						
* SN :			Wireless View Image	View Command		
Product Type :						
Product Series :						
Product Name :						
Authorization Code1 : Add						
SN and authorization Complete	code are case-se	ensitive. If you	enter the wrong authorizat	ion code for too many t	imes, your account will be locked	

(3) Click **Complete**. Upon successful binding, a license will be available for download and an activation code will be sent to your maibox.

Rujie	RG-PA Ruijie Product Au	uthorization System	m Supp	ort Mail:service_rj@ruijienetworks.com	🔓 Online Service 🥒 About	
	Inquiry Tempo	orary License Unb	ind License			
Location: Homepage						
• Bind License						
* Email :		Please make sure	your Email is correct, receive license fil	es.		
* Customer :	Wirel	See View Image View Co	mmand			
Product Type :	Wile	ess <u>view tinage i</u> view co	mmanu			
Product Series :						
Product Name :						
Authorization Code1:		Add				
SN and authorization cod Complete	le are case-sensitive. If you enter the	wrong authorization code	for too many times, your account will b	ie locked		
Dut		o ''' ro 1		~		
Networks	KG-PA	Rupe Produ	uct Authorization	System		
	^	Inquiry	Temporary License	Unbind License	_	
Location: Bo	ound Licenses > Downle	oad License				
Oownload	d License					
Product Lir	ne: 无线产品					
Authorizatio	n List: How to import a	license on devi	<u>ce</u>			
	SN	Authorizat	tion Code [Download License		
	G1M	LIC-WLAN-		ownload		
Ruijie Produ	act Authorization S	ystem] Bin	d License			
pa < pa@	omail.ruijie.com.cn>					
	100					
@ 1 介(384	Byte)					
2 LIC-WLA 384 Byte	N	.lic				
Door						
Your license	information is listed as	follows:				
Series inceribe	ormadorr lo libeeu da					
SN: G1	1.0					

2.1.3 Registering a License

Copy the activation code from the Email sent to your mailbox and register it to the AC by using either of the following two methods:

1. Running CLI Commands

Run the set license command to register a license.

```
Ruijie#con
Enter configuration commands, one per line. End with CNTL/Z.
Ruijie(config)#set license 1132-C26F-BA8F-4047-F1A7-F6
Upgrade license successfully
```

Run the **show license** command to display the added license.



Total 160 access points are supported, old version 128, new version 0.

Run the **show ac-config** command to display the maximum number of AP connections. **max_wtp** indicates the maximum number of APs supported by the AC. **license wtp max** indicates the license capacity. The smaller value takes precedence.

```
Ruijie#show ac-config
AC Configuration info:
               :320
max_wtp
sta_limit
                :10240
license wtp max :48
license sta max :10240
single wtp max
               :320
virtual ac max :4
whole wtp max :320
serial auth
               :Disable
                :Disable
password auth
certificate auth :Disable
                :Disable
Bind AP MAC
                :Disable
AP Priority
                :Disable
supp psk cer
ac name
                 :Ruijie Ac 7e66fe
ac location
                 :AC LOCATION
permission manage:Disable
```

If you want to change the maximum number of AP connections after the AC running RGOS 10.x is registered with a license, run the following commands:

```
Ruijie# config ter
Ruijie(config)# ac-controller
Ruijie(config-ac)# wtp-limit xxx
Ruijie(config-ac)# end
Ruijie# wr
```

2. Using the Web UI (Taking Version RGOS11.9(6)W3B1 as an Example)

On the AC's Web UI, choose **Maintenance** > AC > License, select Activation Code, enter the 32-bit authorization code, and click Add.

Ruíjie AC	표 영 Monitoring @ Config % Diagnosis	* Maintenance	Enter a search term Q ≋ Config Wizard Ø Q © System* A admin →
😭 Favorites 🛛 🗿			
S AC +	Note: Installing a license enables an AC to manage more APs. First Log Unbinding License: The license is no longer available for this device onc	into eWeb and enter an SN and a license code to get a license file. Then download the license f e being unbound. You need to apply to the PA system for unbinding the license. Alterwards, the	file and upload the file on this page. license can only be used on other devices.
AC Upgrade	Max AP Count: 320	Save	
Restart	License AP Count:48		
Config MGMT	Used licenses: 0(0 LIC-16(such as AM5754-SF-	9), O LIC-8(such as AM5528-SF), O LIC-4(such as AM5528), O LIC-2(such as AM5514), O LIC-1(such	as Common APJ, 0 LIC-0.5(such as WALL APJ, 0 LIC-0(such as Satellite APJ),
Systime Country Code	Usable licenses: 3 LIC-16(such as AM5754-SF AP).	-P) or 6 LIC-8(such as AM5528-SF) or 12 LIC-4(such as AM5528) or 24 LIC-2(such as A	AM5514) or 48 LIC-1(Common AP) or 96 LIC-0.5(such as WALL AP) or 640 LIC-0(such as Satellite
Syslog DNS	Add License by 🗑 Activation Code 💿 Licen	se SN	
⇒ AP →	Activation Code: LIC-WLAN-A	• Get Activation Code? Add	
🗞 System ,	Activation Code	AP Count	Action
		No Data Found	
	Show No. 10 • Total Count:0		K First < Pre Next > Last > 1 GO
	View License Info		

Upon successful addition, a success message will appear, and an activation code will be displayed.

License	Product Type	Action
LIC-WLAN-A	LIC-WLAN-AP-16	Unbind
Show No.: 10 Total Count:1		K First K Pre (1) Next > Last X (1) GO
View License Info		

2.2 Registering with a Paper License

2.2.1 Obtaining the Authorization Code and Serial Number

- (1) Obtain the authorization code from the purchased paper license.
- (2) Note the SN of the AC to be registered and run the **show version** command to check whether the SN in the command output is consistent with the SN on the AC. The SN is a string of 13 characters.

WS6108#show ver	
System description	: Ruijie Gigabit Wireless Switch(WS6108) By Ruijie Networks.
System start time	: 2023-11-14 14:58:41
System uptime	: 13:03:03:39
System hardware version	: 1.04
System software version	: AC_RGOS , Relea)
System patch number	: NA
System web version	<u>: W</u>
System serial number	: G1MV650000022
System boot version	: 1.2.13
Module information:	
Slot 0 : WS6108	
Hardware version	: 1.04
Boot version	: 1.2.13
Software version	;
Ser <u>i</u> al number	: G1MV65Q000022

2.2.2 Binding a License

 Log in to product authorization system <u>https://pa.ruijie.com.cn/main_wireless.jsf</u> and bind the authorization code to the product. <u>http://pa.ruijie.com.cn:8001/main_wireless.jsf</u>

🛕 Caution

- The email address must be real because the account needs to be activated by email. An email address
 cannot be used repeatedly.
- The device SN is interconnected with Ruijie's inventory management system. A device not from Ruijie's inventory management system is not produced by Ruijie by default, and the license binding will fail.

Rujje	RG-PA	Ruijie Proc	luct Authorization	System	Support Mail:service_rj@ruijienetworks.com 🧝 Online Service 🖋 About
	Â	Inquiry	Temporary License	Unbind License	
Location: Homepage					
• Bind License					
* Email:			Please m	ake sure your Email is c	prrect, receive license files.
* Customer :					
* SN :			Wireless <u>View Image</u>	View Command	
Product Type :					
Product Series :					
Product Name :					
Authorization Code1 : SN and authorization cod Complete	de are case-se	nsitive. If you	Add enter the wrong authorizat	ion code for too many t	mes, your account will be locked

Configuration Item	Description
Email	The email address must be real because the account needs to be activated by email. An email address cannot be used repeatedly.
Customer	Your real name
SN	Serial number of the AC
Authorization Code	Registration code contained in the paper license

(2) To bind multiple authorization codes, click Add.

Rujje	RG-PA	Ruijie Proc	luct Authorization	System	Support Mail:service_rj@ruijienetworks.com 🗧 Online Service 🖋 About	
	Â	Inquiry	Temporary License	Unbind License		
Location: Homepag						
• Bind License						
* Email :			Please m	ake sure your Email is c	orrect, receive license files.	
* Customer :						
* SN :			Wireless <u>View Image</u>	View Command		
Product Type :						
Product Series :						
Product Name :						
Authorization Code: SN and authorization Complete	code are case-se	nsitive. If you	Add enter the wrong authorizat	ion code for too many t	imes, your account will be locked	

(3) Click Complete to redirect to the license download page. Then click Download to download the license file your local PC. The file is with the .lic extension.

RG-PA Ruijie Product Authorization System								
		Inquiry	Temporary License	Unbind License				
Location: Bound Lic	enses > Download	l License						
• Download Licen	se							
Product Line :	无线产品							
Authorization List :	How to import a lig	cense on de	evice					
	SN	Authoriz	ation Code	Download License				
	G1M	LIC-WLAN	d.	<u>Download</u>				

2.2.3 Registering a License

A product is officially authorized only after the license file is installed and the license function is enabled. Install the license file on the AC by using either of the following two methods:

1. Running CLI Commands

(1) Upload the license file from your local PC (with IP address 192.168.64.2 for example) to the AC.

```
Ruijie# copy tftp://192.168.64.2/LIC-WLAN-AP-800000015692434.lic flash:/LIC-WLAN-
AP-80000015692434.lic
Press Ctrl+C to quit
!
Copy success.
(2) Install the license file.
```

```
Ruijie# license install flash:LIC-WLAN-AP-800000015692434.lic
Are you sure to install this license[y/n]:y
Success to install license file, service name: LIC-WLAN-AP-8 ----> The license is
successfully installed, and the expanded capacity is 8.
```

```
(3) Check the installed license file.
```

```
Ruijie# show license all-license
Searching license in the system...
Service name: LIC-WLAN-AP-8.---> The license file is installed successfully.
Attribute: Permanent, Multiple_instance, Releasable
Installed licenses(s): 1689029092.lic
```

2. Using the Web UI (Taking Version RGOS11.9(6)W3B1 as an Example)

 On the AC's Web UI, choose Maintenance > AC > License, select License SN, and click Browse. Select the downloaded license file.

Official License

User Manual

Ruíjie AC	프 @Monitoring @Config	& Diagnosis X Maintenance	Enter a sea	ɪ <code>rch term Q</code> 葉 Config Wizard ø ♀ ⊙ System• ႙ admin •							
🕞 Favorites 🛛 🧿											
E AC +	Note: Installing a license enables an AC to man Unbinding License: The license is no longer avail	Note: Installing a license enables an AC to manage more APs. First Log into eVieb and enter an SN and a license code to get a license file. Then download the license file and upload the file on this page. Unbinding License: The license is no longer available for this device once being unbound. You need to apply to the PA system for unbinding the license. Afterwards, the license can only be used on other devices.									
AC Upgrade	Max AP Count: 320	Save									
Restart	License AP Count-48										
Config MGMT	Used licenses: 0(0 LIC-	16(such as AM5754-SF-P), 0 LIC-8(such as AM5528-SF), 0 L	JC-4(such as AM5528), 0 LIC-2(such as AM5514), 0 LIC-1(such as Common AF), 0 LIC-0.5(such as WALL AP), 0 LIC-0(such as Satellite AP)),							
Systime	Usable licenses: 3 LIC-1	6(such as AM5754-SF-P) or 6 LIC-8(such as AM552	18-SF) or 12 LIC-4(such as AM5528) or 24 LIC-2(such as AM5514) o	r 48 LIC-1(Common AP) or 96 LIC-0.5(such as WALL AP) or 640 LIC-							
Country Code	0(such as Sa	tellite AP)。									
Syslog	Add License by: 〇 Activ	ration Code 💿 License SN									
dns ،	File Upload: Install [How to get license file]										
& System ,	License		Product Type	Action							
	LIC-WLAN-AP-16 Unbind										
	Show No: 10v Total Count:1 K First < Pre (1) Next > Last X (1) GO										
	View License Info										

(2) Click Install.

Ruíjie AC	표 @ Monitoring	@ Config	😵 Diagnosis	X Maintenance		Enter a search term Q	宝 Config Wizard 🛛 🧔	요 ③ System [●] 온 admir		
🕞 Favorites 🛛 🔘										
₿ AC •	Note: Installing a license Unbinding License: The li	Note: Installing a license enables an AC to manage more APs. First Log into eWeb and enter an SN and a license code to get a license file. Then download the license file and upload the file on this page. Unbinding License: The license is no longer available for this device once being unbound. You need to apply to the PA system for unbinding the license. Afterwards, the license can only be used on other devices.								
AC Upgrade	Ma	IX AP Count 320		Save						
Restart	Licen	se AP Count:48								
License Config MGMT	U	sed licenses: 0(0 LIC	-16(such as AM5754-SF	-P), 0 LIC-8(such as AM5528-SF), 0 LIC-4(su	uch as AM5528), 0 LIC-2(such as AM5514), 0 LIC-1	(such as Common AP), 0 LIC-0.5(such as W	/ALL AP), 0 LIC-0(such as Sat	ellite AP)),		
Systime	Usa	ble licenses: 3 LIC-1	6(such as AM5754-	SF-P) or 6 LIC-8(such as AM5528-SF)	or 12 LIC-4(such as AM5528) or 24 LIC-2(s	uch as AM5514) or 48 LIC-1(Commo	n AP) or 96 LIC-0.5(such	as WALL AP) or 640 LIC-		
Country Code		0(such as Sa	tellite AP),							
Syslog	Add	l License by: 〇 Acti	vation Code 🏾 🖲 Lice	inse SN						
DNS										
		He upoa: Brows Install [How to get scense the]								
🗈 System 🔸	License				Product Type		Action			
	LIC-WLAN-AP-1				LIC-WLAN-AP-16		Unbind			
	Show No.: 10 - To	tal Count:1				Kı	First < Pre 🚺 Nex	kt > Last > 1 GO		
	View License Info	0								

(3) Once the installation is successful, the license code will be displayed.

Ruíjie AC	표 @ Monitoring @ Config & Diagnosis	X Maintenance	Enter a search term Q The Config Wizard Stranger Q System A admin							
😭 Favorites 🛛 📵										
🛱 AC 👻	Note: Installing a license enables an AC to manage more APs. First Log Unbinding License: The license is no longer available for this device onco	Note: Installing a license enables an AC to manage more APs. First Log into eVIeb and enter an SN and a license code to get a license file. Then download the license file and upload the file on this page. Unbinding License: The license is no longer available for this device once being unbound. You need to apply to the PA system for unbinding the license. Afterwards, the license can only be used on other devices.								
AC Upgrade	Max AP Count: 320	Save								
Restart	License AP Count:48									
License Config MGMT	Used licenses: 0(0 UC-16(such as AM5754-SF-	Used licenses 0(0 LIC-16(such as AM5754-SF-P), 0 LIC-8(such as AM5528-SF), 0 LIC-4(such as AM5528), 0 LIC-2(such as AM5514), 0 LIC-1(such as Common AP), 0 LIC-0.5(such as WALL AP), 0 LIC-0(such as Satellite AP)),								
Systime	Usable licenses: 3 LIC-16(such as AM5754-Si	F-P) or 6 LIC-8(such as AM5528-SF) or 12 LIC-4(such as AM5528) or 24 LIC-2(such	as AM5514) or 48 LIC-1(Common AP) or 96 LIC-0.5(such as WALL AP) or 640 LIC-							
Country Code	0(such as Satellite AP),									
Syslog	Add License by: 🔿 Activation Code 🏾 🖲 Licen	ise SN								
DNS م	File Upload: Browse Install [How to get license file]									
🗞 System 🔸	License	Product Type	Action							
	LIC-WLAN-AP-16 Unbind									
	Show No.: 10• Total Count:1 K First < Pre (1) Next > Last X (1) GO									
	View License Info									

3 Temporary License

In some cases, the purchased license has not arrived or the device has insufficient license capacity for spare parts, you can apply for a temporary license to temporarily solve the problem. Then register with the formal license after it is purchased. Each serial number can be used for application for a temporary license up to three times by default. The application for a temporary license beyond three times will be rejected.

You can apply for a temporary license only after registering an account on RG-PA system.

3.1 Registering an Account

(1) Log in to product authorization system <u>https://pa.ruijie.com.cn/main_wireless.jsf</u> and click **Temporary** License.http://pa.ruijie.com.cn:8001/main_wireless.jsf

RUJE RG-PA F	Ruijie Proc	luct Authorization	System	Support Mail:service_rj@ruijienetworks.com 🔓 Online Service 🖉 About				
^	Inquiry	Temporary License	Unbind License					
Location: Temporary License	Location: Temporary Litense							
Notice of Temporary Authoriza	ation Applic	ation						
Near users, To enhance the security of temporary authorization management, prevent unauthorized access, acquisition, and potential security risks, as well as protect your personal information and data security, we will launch a tew version of the "Temporary Authorization Application" function on December 19, 2023. From then on, successful verification of accounts and passwords will be required for all temporary authorization applications. Ruljie Networks Co., Ltd. November 20, 2023								
				OK				

(2) Click OK. The following page will appear. If you have not registered an account, click Register.

RG-PA Ruijie Product Authorizz	ntion System
Username : Password : Validation Code : 5269 Refresh	ENTER
• <u>Help</u> <u>Register</u> <u>Forget Password</u>	

(3) Enter the following information.

RUJE RG-PA Ruijie F	Product Authorization System
Regist	er Forget Password
Location: Register	
• Please enter account information	
* Username :	Username must contain only letters, and digits and cannot contain any of the following characters: $<_i>_i\%_i/_{@_i}$,
* Real Name :	Real name must contain 4-8 characters
* Password :	Password must contain 8-16 Case characters and consist of letters and digits, no spaces allowed
* Confirm Password :	
* Email:	Please make sure your Email is correct
* Contact Number:	Please make sure your contact number is correct
* Industry :	
* Country/Region :	×
* Work Place :	Please enter your work place and its address. In the case of license missing, we will verify this information to help your retrieve your license
* Validation Code : 5904	Refresh
A Note : Please check your Email and click o	n the verification link to activate your account
	Complete

Configuration Item	Description				
Username	User name or account				
Real Name	Your real name				
Password	User password				
Email	The email address must be real because the account needs to be activated by email. An email address cannot be used repeatedly.				
Contact Number	Your phone number				
Industry	Industry of your business				
Country/Region	Country or region where you are located				
Work Place	Company or organization name and address. When the license is lost, the address is mandatory.				

(4) After filling in the information, click **Complete**. A pop-up window will be displayed, indicating that the registration is successful. Activate the account as prompted. After the account is activated, you can log in to the system using the account.

3.2 Applying for a Temporary License

(1) Log in with the activated account. Select **Wireless Temporary License** to bind a temporary license for wireless products.

User Manual

Rujje	RG-PA Ruijie Product Authorizat	ion System	Welcome:	登录名字 Change Password	Support Mail:service_rj@ruijienetworks.com	Soline Service / About O Logout
	Wireless Temporary License	My License Bind L	icense Temporary License	Unbind License My	Info	
Location : Temporary						
• Temporary Licer	ise					
* SN :	Chassis SN View Ima	ge View Command				
* Validity :	~					
* Product Code :	•					
License :						
Product Description	:					
* Application Reason :		// Plea	ase enter your application reason for (our reference		
			Complete	ancel		

Configuration Item	Description
SN	SN of the AC
Validity	Validity period of the temporary license
Product Code	Number of manageable APs supported by the temporary license
Application Reason	Reason for applying for the temporary license

(2) Click Complete. In the confirmation dialog box that pops up, click Complete again.

Rujje												works.com 🛛 🧝 Online S
			Temporary Lice	unbind License								
• Temporary Lic	cense											
• SN :												
• Validity :	Three month	Y.										
* Product Code :	LIC-WLAN-AP-	32 ¥										
License :												
Product Description	on:											
Application Reaso	in : test									X		
						Tomporany automatica	orization cor	lo applicat	ion confirmation			
					ation re	annlicant name		ie applicat	ion commission			
						SN :	GIM					
						Validity :	Three mon	th				
						Product Code :	LIC-WLAN-	AP-32				
						Application Rea	son : test					
							Complete	Can	al			
							Compiete	Canc	8			

(3) Choose **Temporary License > Wireless** to view the review status of the license application.

Ru	ijie	RG-PA	Ruijie Prod	uct Authorizati	on System				Welcome:	Change Passwo	ord Support M	fail:service_rj@ruijienetworks.com	Online Service / About OLogout
		â	My License	Bind License	Temporary Licens	Unbind License	Hy Infe	o					
Location :													
Switch	Wireless	Gateway	Cloud Class		Note:	ASMElicenses are list	ed in the sw	vitch license list					
SN :				Authorization Code		Sta	us:	✓ Search Reset					
• Tempor	ary Author	rization Co	de Application	n List									스 Temporary License
SN		Au	thorization Co	de	1	pplied		Application Reason		Change Type	Status	Reviewed	Operate
G1M ¹		LIC	-WLAN-+		2	023-12-19 10:18:37.0		test		Temporary License	Pass	2023-12-19 10:18:37.0	Details
Total record	ds: 1,Current	records: 1-1					_		 			Per Page 10 💙 Reco	rds Go to 1 /1Page Go 🔲 🗲 🕨

(4) When the application is approved, the temporary license is sent to the corresponding mailbox. Log in to the email account to obtain the temporary license file.

【锐捷产品授权系统】临时授权码	[Ruijie Product Authorization System] Temporary Authorization Code
a «pa@mail.ruijie.com.cn» n <k .com.cn»<br="">: LIC-WLAI).lic</k>	
尊敬的用户 ⁺ : 您申请的临时授权码为LIC-WLAN-AP 所绑定的设备SN为G1	Dear user : :

3.3 Installing a License File

This step is described in detail in <u>2.2.3 Registering a License</u>.

3.4 Other Actions

- Choose Temporary License > Wireless to view all temporary license applications for wireless products.
- Click **Details** in the **Action** column to view the details of a temporary license application.

Rujje	V RG-PA Ruijje Product Authorization System Welcome: 登発名字 Change Password Support Mailservice_rj@ruijenetworks.com 💈 Online Service 🖌 About 🥥 Logout
	☆ Wireless Temporary License Hy License Bind License Temporary License Unbind License Hy Info
Location : Temporar	ny Lionse
Switch Wireless	Gateway Cloud Class Note: ASMEElicenses are listed in the switch license list
SN :	Authorization Code : Status : V Search Reset
• Temporary Aut	thorization Code Application List
SN	Authorization Code Applied Application Reason Change Type Status Reviewed Operate
G1J115100013A	LIC-WLAN-AP 2023-11-20 17:18:36.0 测试素示 Temporary Pass 2023-11-20 19:07:43.0 Datais
	Welcheng, SERVE Channel Universit Mathematical effective and the Service of Abure Octave
Rujje	RG-PA Ruijje Product Authorization System
	🕋 Wireless Temporary License Hy License Bind License International License Unbind License Hy Info
Location: Details	
• Temporary Aut	thorization Code Application Detail
Applied :	2023-11-20 17:18:36.0
applicant name :	2
SN :	G1J115100013A
Validity :	Three month
Temporary Authoriz	ization Code : LIC-WLAN-AP-
Product Code :	LIC-WLAN-AP-128
Application Reason	
Status :	Pass
Reviewed :	2023-11-20 19:07:43.0
Approve Reason :	
	return

- You can filter the temporary license application entries by setting the device SN, authorization code, or application review status, and clicking **Search**.
- Click **Reset** to display all application entries.

	Rujje	RG-PA Ruijie Product Authorizat	Welcor	ne: 登录名字 Cha	nge Password Su	ipport Mail:servici	e_rj@ruijienetwo	rks.com 💈 Online Service	About 🧿 Logout	
Vocation: Temporary License Switch Wireless Gateway Cloud Class Note: ASMElicenses are listed in the switch license list SN: Authorization Code : Status: V Search Reset • Temporary Authorization Code Application List Application Reason Approving Arenovary License SN Authorization Code Applied Application Reason Para		Wireless Temporary License	My License Bind Lic	nse Temporary Licens	e Unbind Lic	ense My In	fo			
Switch Wireless Gateway Cloud Class Note: ASMElicenses are listed in the switch license list SN: Authorization Code Satus: Satus:	Location : Temporary L									
SN: Authorization Code : Status : Search Search • Temporary Authorization Code Application List Approving Approving Approving Approving SN Authorization Code Applied Application Reason Pass Change Type Status Operate	Switch Wireless	Gateway Cloud Class	Note: ASME	licenses are listed in the s	vitch license list					
● Temporary Authorization Code Application List Approving △Temporary Litense SN Authorization Code Applied Application Reason Pass beface Change Type Status Reviewed Operate	SN :	Authorization Code	:	Status :	~	Search Rese				
SN Authorization Code Applied Application Reason Pass Change Type Status Reviewed Operate	• Temporary Author	ization Code Application List			Approving					් Temporary License
Incluse	SN	Authorization Code	Applied	Application Reason	Pass Refuse		Change Type	Status	Reviewed	Operate
GJJ115100013A LIC-WLAN-AP-12800001656242146 2023-11-20 17:18:36.0 現位漢示 Temporary Pass 2023-11-20 19:07:43.0 Details	G1J115100013A	LIC-WLAN-AP-12800001656242146	2023-11-20 17:18:36.0	测试离示			Temporary License	Pass	2023-11-20 19:07:43.0	<u>Details</u>

• Click **Temporary License** to redirect to the temporary license application page. For details about how to apply for a temporary license, see <u>3.2</u> Applying for a Temporary License.

Ruffe	RG-PA Ru	iiie Product Authorizat	ion System		Welcome	: 登录名字 Change Pass	word Sup	port Mail:service	_rj@ruijienetw	orks.com 💈 Online Service	🖋 About 🧿 Logout
Networks	V	Wireless Temporary License	My License Bi	nd License	Temporary License	Unbind License	My Info				
Location: Temporary L											
Switch Wireless	Gateway Cl	loud Class	Note:	ASMElicenses	are listed in the swi	tch license list					
SN :		Authorization Code	:		Status :	✓ Search	Reset				
• Temporary Author	rization Code /	Application List									스 Temporary License
SN	Authorization	Code	Applied	Applic	ation Reason			Change Type	Status	Reviewed	Operate
G1J115100013A	LIC-WLAN-AP-		2023-11-20 17:18:36.0	测试演	示			Temporary License	Pass	2023-11-20 19:07:43.0	Details

4 Unbinding a License

An authorization code can be used on only one device. If you want to use the authorization code on another device due to incorrect license binding or hardware replacement, it is necessary to unbind the license from the original device first. In other cases, the binding cannot be removed by default. There are two types of license unbinding according to the forms of the license: CD license and paper license.

4.1 Unbinding a CD License

(1) Log in to product license system <u>https://pa.ruijie.com.cn/main_wireless.jsf</u> and click **Unbind** License.<u>http://pa.ruijie.com.cn:8001/main_wireless.jsf</u>

RG-PA Ruijie Product Authorization System	Support Mail:service_rj@ruijienetworks.com 🔓 Online Service 🥒 About					
A Inquiry Temporary License Unbind License	2					
Location: Unbind License						
Unbind Description						
lardware failure.please apply for a temporary authorization code License,do not unbind.						
Please enter validation code, we automatically unbind. If not, please enter your application reason for our reference. We will respond within 48 hours after receiving the application. If you want to use the license again, please apply for a temporary authorization codeLicense.						
	ОК					

(2) Click OK. The license unbinding page will be displayed.

Rujje	RG-PA Ruijje Product Authorization System
	Inquiry Temporary License Unbind License
Location: Unbind Lic	nse
• Unbind License	
* Email:	Please make sure your Email is correct, receive license files.
* Customer :	
Contact Number :	Before you unbind your license, we need to contact you for verification. Please make sure your contact number is correct
CD Authorization :	
* SN :	
* Authorization Code :	
Validation Code :	✓ Validation codes must match authorization codes one-to-one in order. The device needs to be upgraded to RGOS 11.1 (5) B9 or later versions when you unbind the license. If it is CD-ROM authorization, please login to the AC and execute command "AC(config)∓no set license activation-key xoocxoocxicox.xoox." to unbind the license and generate the validation codes with command "show apping debug unbind". If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization, please login to the AC and execute command "AC If it is file authorization codes with command "show license unbind-code"
* Application Reason :	
Tips :	Please enter validation code, we automatically unbind. If not, please enter your application reason for our reference. We will respond within 48 hours after receiving the application. If you
	Complete Cancel

Configuration Item	Description
Email	The email address must be real because the account needs to be activated by email. An email address cannot be used repeatedly.
Customer	Your real name
Contact Number	To protect the rights and security of customers, you cannot bind or unbind a license at will. The contact number is required for verification.
CD Authorization	Check this option when you use a CD license.
SN	Serial number of the AC
Authorization Code	Registration code contained in the PDF file in the CD
Verification Code	When multiple verification codes are entered, they must be in the same order as the selected authorization codes. Enter one verification code in each row. Before unbinding the license, upgrade the device to RGOS 11.1(5)B9 or later versions. Commands for unbinding a CD license: In the global configuration mode, run the no set license <i>activation-key</i> command (<i>activation-key</i> refers to the corresponding 32-bit activation code), and run the show apmg debug unbind command to obtain the verification code. In a VAC scenario, run the license auto-uninstall command to unbind the activation code, and run the show devices cmd apmg debug unbind command to obtain the verification code.
Application Reason	The reason is required. If the verification code is blank, the reason for unbinding the license will be verified.

(3) Click Complete. In the confirmation dialog box that pops up, click Complete to submit the application.

(4) Wait for approval.

A Caution

If you enter the verification code, the system automatically unbinds the license. If you leave the verification code blank, you need to wait for manual review.

After receiving your application for unbinding the license, we will complete the information review and reply within 48 hours. Please check your mailbox for the reply. If you need to use the license immediately, apply for a temporary license.

(5) View the application review result by checking your mailbox for the email. The result can be **Pass** or **Refuse**, as shown in the following figure.

【锐捷产品授权系统】解除授权绑定审批结果 [Ruijie Product Authorization System] Release authorization binding approval result



(6) After your application is approved, you can bind the authorization code to another device.

4.2 Unbinding a Paper License

(1) Log in to product license system <u>https://pa.ruijie.com.cn/main_wireless.jsf</u> and click **Unbind** License.<u>http://pa.ruijie.com.cn:8001/main_wireless.jsf</u>

RG-PA Ruijic Product Authorization System						
Inquiry Temporary License Unbind License						
Cocation: Unbind License						
Unbind Description						
Hardware failure.please apply for a temporary authorization code License,do not unbind.						
Please enter validation code, we automatically unbind. If not, please enter your application reason for our reference. We will respond within 48 hours after receiving the application. If you want to use the license again, please apply for a temporary authorization codeLicense.						
ок						

(2) Click OK. The license unbinding page will be displayed.

Rujje	RG-PA Ruijie Product Authorization System							
	Inquiry Temporary License Unbind License							
Location: Unbind Lic	ense							
• Unbind License								
* Email:	Please make sure your Email is correct, receive license files.							
* Customer :	Before you unbind your license, we need to contact you for verification. Please make sure your contact number is correct							
Contact Number :								
CD Authorization :								
* SN :								
* Authorization Code :								
Validation Code :	Validation codes must match authorization codes one-to-one in order.The device needs to be upgraded to RGOS 11.1 (5) B9 or later versions when you unbind the license. If it is CD-ROM authorization, please login to the AC and execute command "AC(config)#no set license activation-key xxxx.xxxx.xxxx.xxxx.xxxx.xxxxxxxxxxxx							
* Application Reason :								
Tips :	Please enter validation code, we automatically unbind. If not, please enter your application reason for our reference. We will respond within 48 hours after receiving the application. If you want to use the license again, please apply for a temporary authorization code License.							
	Complete Cancel							

Configuration Item	Note
Email	The email address must be real because the account needs to be activated by email. An email address cannot be used repeatedly.
Customer	Your real name
Contact Number	To protect the rights and security of customers, you cannot bind or unbind a license at will. The contact number is required for verification.
CD Authorization	Do not check this option when you use a paper license.
SN	Serial number of the AC
Authorization Code	Registration code contained in the PDF file in the CD
Verification Code	 When multiple verification codes are entered, they must be in the same order as the selected authorization codes. Enter one verification code in each row. Before unbinding the license, upgrade the device to RGOS 11.1(5)B9 or later versions. Commands for unbinding a paper license: In the global configuration mode, run the license unbind pak command (pak refers to the authorization code), and run the show license unbind-code command to obtain the verification code. In a VAC scenario, run the license auto-unbind command to unbind the license file, and run the show devices cmd license unbind-code command to obtain the verification code.
Application Reason	The reason is required. If the verification code is blank, the reason for unbinding the license will be verified.

(3) Click **Complete**. In the confirmation dialog box that pops up, click **Complete** to submit the application.

(4) Wait for approval.

🛕 Caution

If you enter the verification code, the system automatically unbinds the license. If you leave the verification code blank, you need to wait for manual review.

After receiving your application for unbinding the license, we will complete the information review and reply within 48 hours. Please check your mailbox for the reply. If you need to use the license immediately, apply for a temporary license.

(5) View the application review result by checking your mailbox for the email. The result can be **Pass** or **Refuse**, as shown in the following figure.

【税捷产品授权系统】解除授权绑定审批结果 [Ruijie Product Authorization System] Release authorization binding approval result

、: pa <pa@mail.ruijie.com.cn>

专

等敬的用户: 您在【税捷产品授权系统】提交解除授权绑定申请已审批、相关信息如下: 设备SN码: G1M\' 授权码: LIC-WLAN-AP-1 审批结果通过
Dear user: ... , your application for unbinding authorization has been approved in the Ruijie Product Authorization System. The relevant information is as follows:
Device SN code: G1M\ ,
Authorization code:
LIC-WLAN-AP-.、
Approval result: Passed

(6) After your application is approved, you can bind the authorization code to another device.

4.3 Other Actions

- Click Unbind License > Wireless to view all license unbinding applications for wireless products.
- Click **Details** in the **Action** column to view the details of a license unbinding application.

Rujie				Welcome: Welcome: d	ange Password Support Mail:service_rjØruijiene	etworks.com 🗧 Online Service 🤌 About 🥥 Logout						
	My License	Bind License Temporary Lic	ense Unbind License Hy Info									
Location : Unbind	Location: Underfluence											
Switch Wireles	ss Gateway Cloud Class	No	e: ASMElicenses are listed in the switch license li	ist								
SN :		Authorization Code :	Status :	Search Reset								
• Application Li	st						🕹 Unbind License					
CD Authorization	SN	Authorization Code	Applied	Application Reason		Change Type Status Re	viewed Operate					
	G1M	LIC-WLAN-AP-	2023-12-18 15:20:21.0	test		Unbind License Approving	Details					
Duito	DC DA D. T. D. d.	a Analisa ing Contains			Welcome: Cha	nge Password Support Mail:service_rj@ruijienetv	works.com 🗧 Online Service 🥜 About 🥥 Logout					
And a state of the	KG-PA Kuijie Produ	et Authorization System										
	My License	Bind License Temporary Lice	nse Unbind License My Info									
Location: Details												
 · · ·	请详情											
User Name :	dim.											
Contact Number :	2 7											
Applied :	2023-12-18 15:20:21.0											
SN :	G1M											
Status :	Approving											
授权信意:	養奈号	License	Authorization Code	License Type	Validity(Days)							
	G1	LIC	LIC-WLAN-A	Official								
				return								

- You can filter the license unbinding application entries by setting the device SN, authorization code, or application review status, and clicking **Search**.
- Click **Reset** to display all application entries.

RG-PA Ruije Product Authorization System										Welcon	nes ogninger	Change Passw	ord Support F	tail:service_rj⊗r	uijienetworks.com	Online Service	🕜 About	O Logout
	â	My License	Bind License	Temporary License	Unbind License	My Info												
Location: Unlind Lunno																		
Switch Wireless Gateway Coud Class Note: ASMElCorpse are loted in the switch licence lot																		
SN :			Authorization Code :		Status :		¥	Search Reset										
 Application List 						_	Approving										2	Unbind License
CD Authorization	SN		Authorizatio	n Code	Ap	plied	Pass Refuse	Application Reason				0	hange Type	Status	Reviewed	0	perate	
	G1MV .		LIC-WLAN-AP	100 million (1990)	20	23-12-18 15	20:21.0	test				L. L.	inbind License	Approving		D	etais	

Click Unbind License to redirect to the Unbind License page. For details about license unbinding, see <u>4.1</u>
 <u>Unbinding a CD License</u> and <u>4.2</u> <u>Unbinding a</u>

Rujje					Welcome: kuunguiga Change Password Sup	port Mail:service_rj@ruijie	networks.com 🔒 🖀 Online Service 🖌	About _O Logout			
	My License	Bind License Temporary License Unbind Licens	e My Info								
Location: Unbind Licen	Location: United License										
Switch Wireless	with Wireless Catewy Cloud Class Note: ASMElicenses are lated in the switch license list										
SN :	SN : Authorization Cole : Status : V Search Reest										
 Application List 								🗳 Unbind License			
CD Authorization	SN	Authorization Code	Applied	Application Reason	Change	Type Status R	teviewed Oper	ate			
	G1MV	LIC-WLAN-AP-1	2023-12-18 15:20:21.0	test	Unbind Li	ense Approving	Detai	<u>b</u>			

User Manual

> Local • Us

Rujje								Welcome	e: ketingbin Change	Password Support I	Aail:service_rj@ruiji	enetworks.com	Online Service	About 🥥 Lo	gout
	My Li	cense Bind License	Temporary License	Unbind License	4y Info										
Location: Unbind	icense														
• Unbind Licens															
• User Name :															
Contact Number :	181	Before you unbind yo	ur license, we need to cont	act you for verification. Please	make sure your contact nur	nber is correct									
CD Authorization															
• SN :	G1MV(
Authorization Cod	: 🛃 LIC-WLAN-AP-														
Validation Code :															
					Validation codes must	match authorizatio	n codes one-to-one in ord	der.The device need	s to be upgraded to I	GOS 11.1 (5) B9 or I	iter versions when y	you unbind the licen	se.If it is CD-ROM a	uthorization, plea	ise login to
					authorization, please l	ogin to the AC and	execute command "AC#li	icense unbind (licen	se file name]" to unb	ind the license and g	merate the validatio	in codes with comm	and "show license u	nbind-code"	
 Application Reaso 															
Tips :	Please enter validation	code, we automatically unbi	nd.If not,please enter your	application reason for our ref	erence.We will respond withi	48 hours after re	ceiving the application. If	you want to use th	e license again, pleas	e apply for a tempora	ry authorization cod	le <u>License</u> .			
						Complete	Cancel								
RG-PA Ruije I	Product Authorizati	on System					Welcome: k	Change Passwo	rd Support Mail:sen	rice_rj@ruijienetworks	ucom 🛛 🤮 Online S	Service 💉 About	O Logout		
			Unbind License												

CD Authorization :		
* SN : G1/ , 2 ♥		
* Authorization Code : 🗹 LIC-WLAN-AF		
Validation Cade :	License for the release of binding confirmation	
	License for the release of binding confirmation	eeds to be upgraded to RGOS 11.1 (5) B9 or later versions when you unbind the license. If it is CD-ROM authorization, please login to
	SN : GIMV	scooc.scood" to unbind the license and generate the validation codes with command "show apmg debug unbind".If it is file
	授权信息: LIC-WLAN	cense file name]" to unbind the license and generate the validation codes with command "show license unbind-code"
* Application Reason :	Contact Number : 18	
	User Name :	
	Application Reason : test	
Tips : Please enter validation code,we automatically unbind. If not, please enter your application reason for our refe	Complete Cancel	the license again, please apply for a temporary authorization code License.

5 Other Actions

5.1 My License

Log in to the system with the registered account. Choose **My License** > **Wireless** to view all licenses available, including official and temporary licenses.

R	RUJJE RG-PA	Ruijie Product Authorization S		Welcome: 登录名字 Change Password Support Mail:service_rj@ruijienetworks.com 🔒 Online Service 🖉 About 🔾 Logout						
	^	Wireless Temporary License	License Bind License	Temporary License	Unbind License	My Info				
Location	Location: Bound Licenses									
Switch	Witches Gateway Coud Class Note: ASMElicenses are listed in the switch license list									
SN :		Authorization Code :		License Type :	✓ Search	Reset				
• Bour	nd License List				Official			A Batch Download		
	License	SN	Authorization Code	License	Temporary rype validity(D	ays) Applied	Download License			
	RG-LIC-WS-16	G1M	LIC-WLAN-AP	Official		2023-11-27 18:09:15.0	Download			
	RG-LIC-WS-128	G1J115100013A	LIC-WLAN-AP-	Tempor	ary 90	2023-11-20 19:07:44.0	Download			

- Set the device SN, authorization code, or license type and click **Search** to filter the temporary license application entries.
- Click **Reset** to display all application entries.
- Select an item and click **Download** to download the authorization code or license file to your local PC.
- Click Batch Download to download the authorization codes or license files in batches to your local PC.

5.2 My Info

Log in to the system with the registered account. Click My Info to view and modify the information of the account.

Rujje	RG-PA Ruijie Product Authorization System				Welcome: 显录名字 Change Password Support Mail:service_r)@rutjienetworks.com 🛔 Online Service 🖌 About i 🔾 Logout				
		Wireless Temporary License	My License	Bind License	Temporary License	Unbind License	My Info		
Location: Please er	iter account info	rmation							
• Please enter ac	count inform	ation							
Username :									
Real Name :									
Password :									
Confirm Password	:								
* Email :	1								
* Contact Number :	1								
* Industry :	Other 🗸								
* Country/Region :	China	~							
* Province :		~							
* City :	~								
* Work Place :		,							
A Note : Leave th	e Password text	box blank if you do not want to chang	je it						
					Complete				

6 FAQs

6.1 License Usage for RGOS 11.X (Meanings of Four, Normal, Half, and Zero)

WS5302# show ac	-c
AC Configuration	n info:
max_wtp	:28
sta_limit	:4096
license wtp max	:32
license sta max	:4096
serial auth	:Disable
password auth	:Disable
certificate aut	h :Disable
Bind AP MAC	:Disable
AP Priority	:Disable
supp_psk_cer	:Disable
ac_name	:Ruijie_Ac_c5789e
ac location	:Ruijie_COM
AC State info:	
sta_num	:0
act_wtp	:0
localIpAddr	:192.168.10.254
localIpAddr6	:::
used wtp	:0.0(0 four 0 normal 0 half 0 zero)
remain wtp	:7 four 28 normal 56 half 256 zero
HW Ver	:1.10
SW Ver	:AC_RGOS 11.1(5)B80P3, Release(03222323)
Mac address	:001a.a9c5.789e
Product ID	:WS5302
NET ID	:9876543210012345
N/AS ID	:9071EHC850002

- **four**: An AP occupies four licenses. Only the RG-AM5528 and RG-AM5528 (ES) occupy four licenses respectively, and the RG-AM5514 occupies two licenses.
- normal: A general AP occupies only one license. The AP220-E, AP320-I, and AP520 occupy only one license respectively.
- half: A wall-plate AP occupies only 0.5 licenses from RGOS 11.x versions.
- zero: An AP does not occupy the license. The MAP552(SR) and APD-M do not occupy the license.
- Micro APs of the RG-AM5528/14 function as radio cards. To display the number of micro APs, run the **show ap-config sum slot** command. For the number of MAP552(SR), run the **show ap-sr sum** command.

6.2 How to View the Number of Licenses Used by Each AP? (Available from RGOS11.1(5)B80P2)

AC# show ap-config pro	oduct		
Product ID	Hardware Vers	ion Count	Used Wtp
AM5528	1.00	245	980.0
AP520	1.00	906	906.0
AP630(IDA)	1.50	33	33.0
AP630(IODA)	1.00	83	83.0

6.3 How to Troubleshoot the Failure to Register the License to a RG-M18000-WS-ED?

hs7_ws18000-1(config)#set license 4BB2-998B-B681-914A-F413-4922-3F4A-B6AD The license add failed. hs7_ws18000-1(config)#

- (1) Check whether the serial number registered for the license is consistent with the serial number of the target device. If not, the license binding is incorrect. It is necessary to unbind the license and then bind it again.
- (2) If the binding is correct, check whether the license is used up. You can run the show ac-c command to display the usage of the current license.
- (3) If the license is not used up, check whether the AC is running RGOS11.1(2)B1 or earlier versions. If yes, upgrade the AC to the latest version.

6.4 How Many APs that an AC can Manage?

Versions earlier than RGOS10.4 (1B19) (excluding 1B19):

Model	Default Number of Manageable APs	Maximum Number of Manageable APs
RG-WS3302	12	12
RG-WS5302 v1.X	16	64
RG-WS5302 v2.03	16	212
RG-WS5504	64	512
RG-WS5708	128	1,024
RG-M8600-WS	128	1,024
RG-M12000-WS	128	1,024

New versions

Model	Default Number of Manageable APs	Maximum Number of Manageable APs
RG-WS6008	32	200 (RGOS11.1(5)b8 and earlier versions)
		224 (versions later than RGOS11.1(5)b8)
RG-WS6108	32	320
RG-WS6024	24	24
RG-WS6812	128	1,024 (RGOS11.1(5)b9p11 and earlier versions)
		1,600 (RGOS11.9(0)b1)
		2,176 (up to 4,352 wall-plate APs)
		(RGOS11.9(0)b7 and later versions)
RG-WS6816	128	2,560 (Up to 4,000 wall-plate APs) (versions
		earlier than RGOS11.9(0)b7)
		3,200 (Up to 6,400 wall-plate APs)
		(RGOS11.9(0)b7 and later versions)
RG-M8600-WS-ED	128	2,560 (Up to 4,000 wall-plate APs)
RG-M18000-WS-ED	128	2,560 (Up to 4,000 wall-plate APs)
RG-M6000-WS	32	128
RG-WS7880	128	8,192 (Up to 8,192 wall-plate APs)
RG-WS6512	128	1,152

FAQs

Note: The number of APs that can be managed by an AC of other models after it is upgraded to RGOS 11.x remains unchanged by default. On RGOS 11.x, a wall-plate AP occupies only 0.5 licenses.

6.5 How to Troubleshoot the Failure to Register the License to the AC?

- (1) If a prompt appears indicating that the serial number is invalid, run the **show version** command on the device to check whether the serial number is correct and note that the SN is case-sensitive.
- (2) If a prompt appears indicating that the license SN is invalid, check whether the registration code contained in the PDF file in the CD is the same as the entered one.

If the fault persists, collect the following information and contact Ruijie technical support team: the **show version** command output, the PDF file in the CD, the screenshot of registration result, the screenshot of the license binding failure prompt.

Note: If the CD is damaged or lost, contact the supply chain personnel.

6.6 How to Transfer a License to Another Device?

(1) Upgrade the device to RGOS 11.1(5)B9 or later versions. To unbind a CD license, run the **no set license** activation-key command (activation-key refers to the corresponding 32-bit activation code). To unbind a paper license, run the **license unbind** *license name* command. You can view the verification code by running the **show apmg debug unbind** command for a CD license or the **show license unbind-code** command for a paper license.

Note: After the license is unbound, the license activation code will be deleted from the device and cannot be registered to the device again.

- (2) Perform license unbinding on the authorization system. Submit the SN of the original AC, activation code, and verification code for approval. After the license binding is removed, you will obtain an authorization code.
- (3) Perform license binding on the authorization system. Submit the SN of the new AC and authorization code to register a license. Then, obtain a new activation code.
- (4) Register the new activation code to the new AC.

6.7 Can I Register Several Temporary Licenses to a Device at the Same Time?

An AC can be used for application for a temporary license up to three times. The application is automatically approved. An AC is allowed to be installed with only one temporary license with the same capacity or with multiple temporary licenses with different capacities. For example, an AC cannot be installed with two temporary licenses for 32 APs, whereas it can be installed with a temporary license for 32 APs and another for 128 APs.

6.8 How to Register a License in VAC Scenarios?

- (1) Before the Virtual AC (VAC) is deployed, the registration procedure is the same as that for the standalone AC running RGOS 11.x.
- (2) Before the VAC is set up, bind the active AC to one license and the standby AC to another on RG-PA system. After the VAC is set up, register the license to the VAC (Perform configuration on the active AP).

When using a CD license, run the **set license** command on the active AC to identify the authorization code contained in the PDF file in the CD automatically.

AC(config) #set license xxxx-xxxx-xxxx-xxxx-xxxx-xxxx-xxxx

When using a paper license, import the license file to the active AC, and run the **license auto-install flash:** command to register the license automatically.

AC#license auto-install flash: xxxxxx .lic

If you run this command on the standby AC, the following notification will be displayed:

% Can't execute this command in redundancy slave.

(3) The license install command can be used to install a license only on the local device.

6.9 Will the AP be Disconnected Immediately After Unbinding the License Using the no set license command?

No. Instead, it will stay online unless the AP is disconnected or the AC is restarted.

6.10 Will the AP be Disconnected Immediately If the Temporary License is Used Up?

No. No matter whether the temporary or formal license is unbound, the AP will not go offline immediately. The license capacity is evaluated only when APs go online. Therefore, an AP is not allowed to go online again if it is disconnected after the temporary license expires.

6.11 Is the License Specific to the Product Type?

- (1) The license for enterprise-class ACs is also applicable to SMB-class ACs.
- (2) The RAC license is specific to SMB-class ACs. The RG-WS6812 which runs a SMB software version and manages SMB-class APs can use only the license for enterprise-class ACs.
- (3) The RAC license for SMB-class ACs is not applicable to enterprise-class ACs.
- (4) The gateway devices use the license for enterprise-class ACs.

6.12 Which ACs is the Temporary License with a Capacity of 8192 Applicable to?

You can specify the product code in the temporary license application to select the number of manageable APs allowed. **LIC-WLAN-AP-8192** indicates that up to 8192 APs are supported. The enterprise-class AC running RGOS 11.9 or later versions can use this license.

6.13 How Do the A series and Enterprise-Class ACs Manage APs?

Differences between the A series and enterprise-class ACs:

- The A series ACs can manage the A series APs.
- The A series ACs can manage the non-A series APs.
- The non-A series ACs running versions earlier than RGOS 11.9(2)B2P4 cannot manage the A series APs. There is no limitation for non-A series ACs running RGOS 11.9(2)B2P4 or later versions.
- The RG-WS7216 running RGOS 11.9(2)B2 or later versions can manage the A series APs.
- The RG-WS6008(C7) running 11.9(2)B2P3 or later versions can manage the A series APs.

6.14 Which ACs is the License with a Capacity of 1 Applicable to?

The license with a capacity of 1 is used to manage the A series and industry-class APs. However, the AC model and version must meet the following requirements:

- The license with a capacity of 1 is supported by the A series ACs without version restrictions: RG-WS7204-A and RG-WS7208-A. It is not supported by the RG-WS2000-A.
- The license with a capacity of 1 is supported by the RG-WS7216 running RGOS 11.9(2)B2 or later versions.
- The license with a capacity of 1 is supported by the RG-WS6008(C7) running RGOS 11.9(2)B2P3 or later versions.
- The license with a capacity of 1 is not supported by the ACs of other models.