

RAK5420 WAPI USB Dongle Management Tool

User Manual

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1. Preface

1.1 Introduction

The products applicable to this manual: **RAK5420 WAPI USB Dongle Management Tool**.

Without the written permission from our company , any copy, translation of this manual or reverse engineering, disassembly or decompilation of the software mentioned in this manual are not allowed.

1.2 Overview

This manual mainly introduces the configuration and use of the RAK5420 WAPI USB Dongle Management Tool.

1.3 Readers

This manual is suitable for the following readers: RAK5420 WAPI software development and network managers.

1.4 Some Signs

The manual uses a variety of eye-catching signs to indicate the points that should be paid special attention to in the operation process. The meaning of the signs is as follows:



注意

Caution, warning, danger: caution in operation.



提示

Description, tips, thinking: the necessary supplement and explanation for the description of the operation.

2. Product Information

2.1 Overview

RAK5420 WAPI USB Dongle Management Tool is a software that configures WAPI card security access network. It is used to assign login password to users using the client, and add WAPI-Cert network with specific access to the client, so as to make wireless access safer. Support Windows 7/8.1/10 (32/64 bit) Chinese and English operating system, support automatic download and installation of WAPI certificates from authentication server (AS).

2.2 Main Features

1. Based on the ternary peer-to-peer architecture, the network can be restricted for the client, and the corresponding certificates can be associated for the designated network to ensure the security of network access and use.
2. Certificates are installed online and easy to use.
3. Support setting the login password for client to ensure the login security.
4. Independent operate interface, easy to manage and operate.

2.3 Software Running Environment

Memory: more than 1G

Operating System: Windows 7/8.1/10 (32/64 bit)

2.4 Accessories

RAK5420 WAPI product includes the following accessories:

1. 1x Install CD-ROM (including electronic user manual).

3. Install and Uninstall Software

3.1 Install the Management Tool

The RAK5420 WAPI USB Dongle Management Tool is based on the Network-Trusted Security Client software, which is used by network administrators to manage wireless networks independently. Therefore, the installation and uninstallation of the management tool are consistent with the installation and uninstallation of the Network-Trusted Security Client.

4. Software Use Guide

4.1 Login

1. Open the "manage.exe" software into the login interface, enter the password to login (the default password: 11111111), as shown in Figure 4-1:



Figure 4-1

2. After successful login, login passwords can be reset for the clients on the <Password Reset> page, as shown in Figures 4-2 and 4-3:

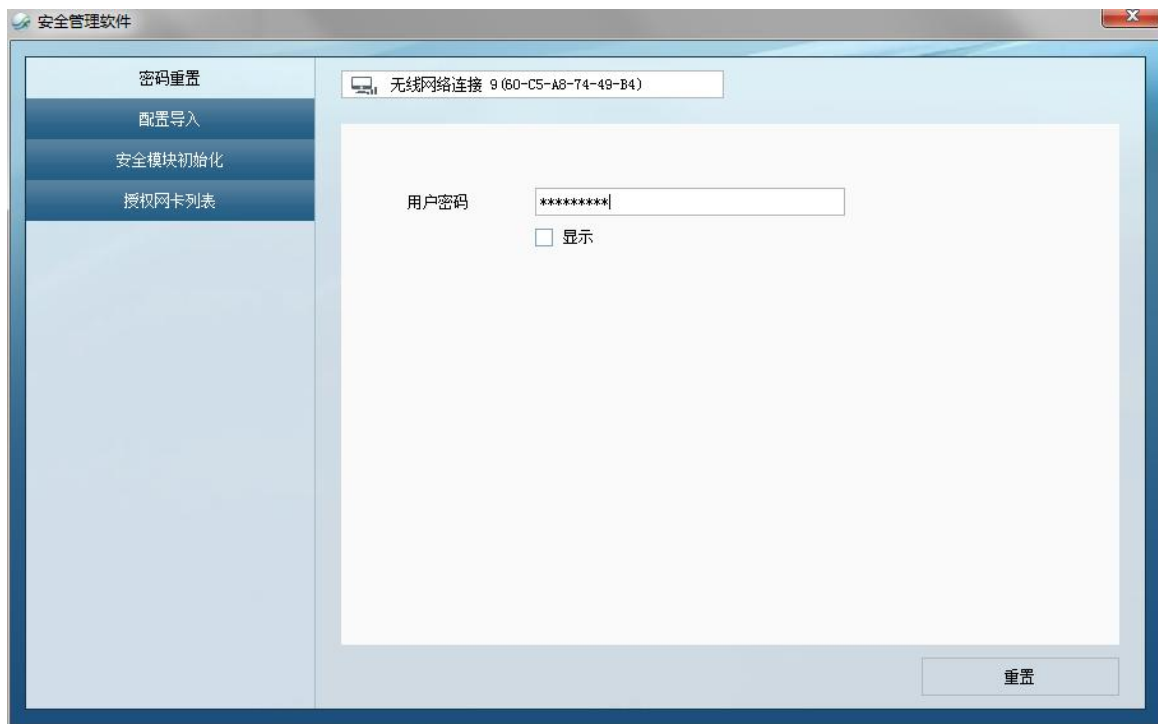


Figure4-2



Figure4-3



提示

1. The user password of Network-Trusted Security Client can only set 9 bits combination of letters, numbers and underscores and letters are case-sensitive.
2. The user password of RAK5420 WAPI USB Dongle Management Tool is 8-16 bits combination of letters, numbers and underscores, and letters are case-sensitive.

4.2 Initialization of the Security Module

After successful login, select the < initialization > and when the initialization is

completed, the software will prompt "the initialization of security module is successful", as shown in Figure 4-4:

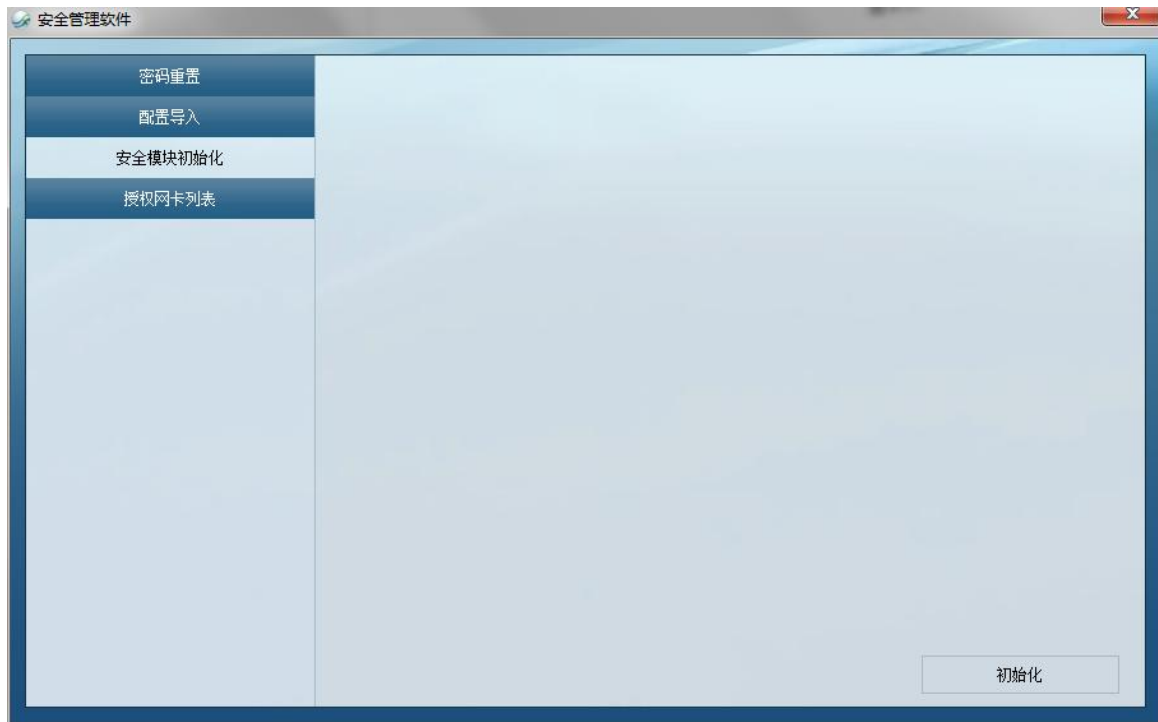


Figure4-4

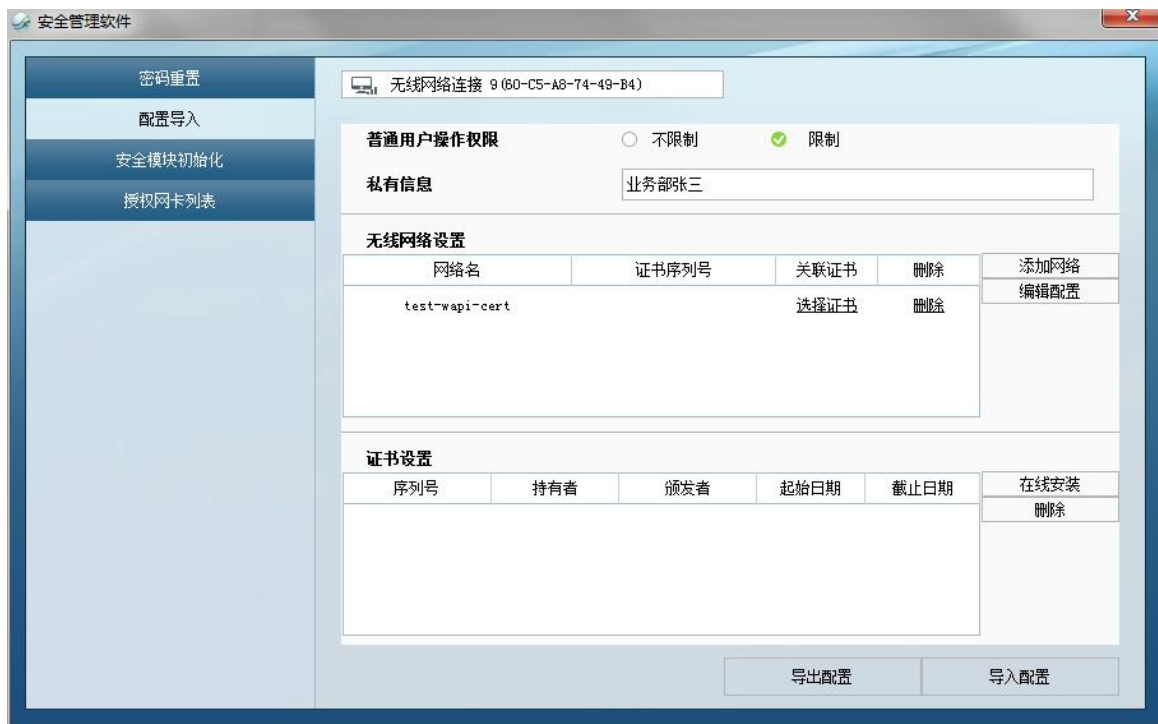


提示

When the initialization is completed, the local settings and certificates will be cleared.

4.3 Import Configuration

1) Select the <Restriction> option of the <Normal User Operating Rights> to restrict the access of the Network-Trusted Security Client to wireless networks. Setup private Information as needed, such as "Business Department Zhang San". In <Wireless Network Settings>, select <Add Network> and input the network name you want to add. As shown in Figure 4-5:



2) After the addition is completed, select <Online Installation> in <Certificate Settings>, input user name and password, and into <Advanced> page, input the IP address of AS, as shown in Figures 4-6 and 4-7:



Figure4-6



Figure4-7



提示

The certificates can only be installed online, and only three certificates can be installed at most.

3) After the certificate is downloaded successfully, the system will prompt that the certificate has been downloaded and installed successfully. In the Certificate Settings List, you can see the serial number of the certificate and other information, as shown in Figure 4-8:



Figure4-8

4) To add a network affiliation Certificate in <Wireless Network Settings>, click <Select Certificate>, as shown in Figure 4-9:



Figure4-9

5) After the certificate association is completed, click <Import> to import the above configuration into the network card. When you operate the network card next time , just need click <Export Configuration>, as shown in Figure 4-10:

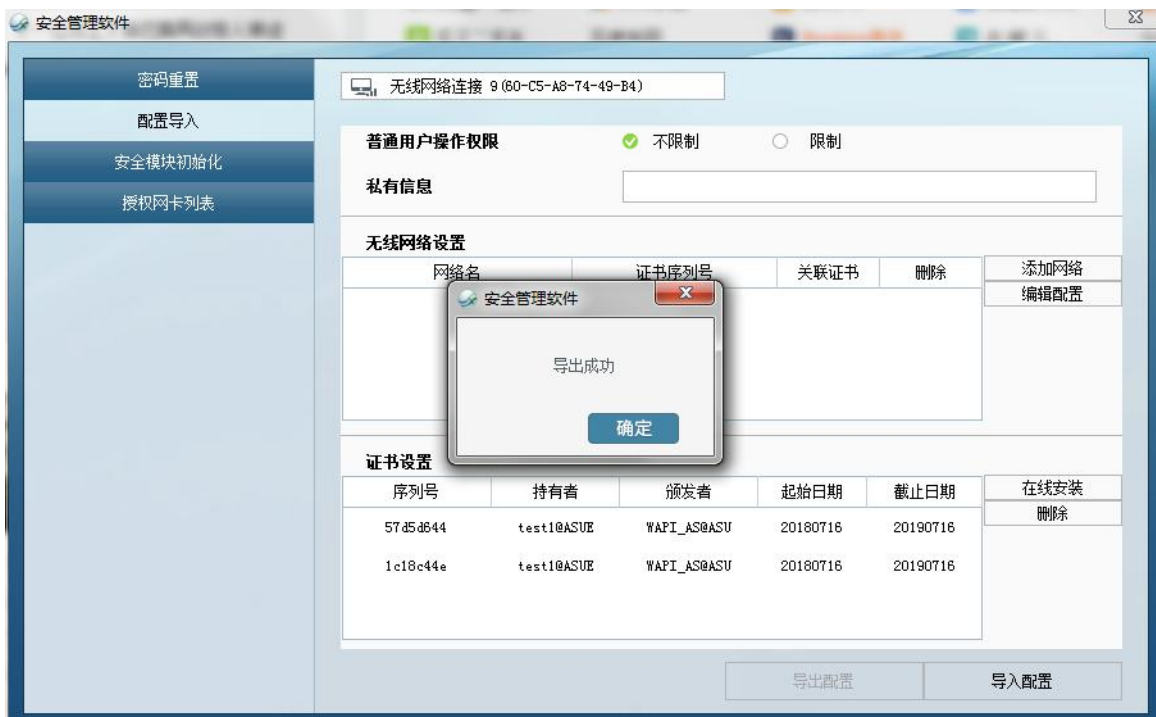


Figure4-10



1. Using the online certificate installation function, please select the certificate issuing server that supports this function. For more information, please contact the vendor.
2. Before using this function to download the certificates, the client must ensure connectivity with the certificate issuing server.
3. The RAK5420 WAPI USB Dongle Management Tool and Network-Trusted Security Client can not be configured at the same time.

4.4 Authorized Network Card List

Click the <Network Card Authorization List> to view the authorized network card, authorization time, click the <Details> to view the specific network name, serial number and other information, as shown in Figure 4-11:



Figure4-11

5. FAQ

Question 1: How to install RAK5420 WAPI USB Dongle Management Tool, or it can't run normally, how to solve it?

Answer: This tool is based on the Network-Trusted Security Client software, which is used by network administrators to manage wireless networks independently. After the client is installed successfully, open the tool directly. If it does not work, please check whether the Network-Trusted Security Client has been installed successfully.

Question 2: What if the online certificate installation fails?

Answer: Please check the username and password, and identify whether the IP address of the Authentication Server(AS) is correct. If so, please contact the AS administrator to verify whether the Auto-Download function of the AS Certificate is enabled.

Question 3: How to solve the problem when the connection between the client (STA) and the wireless access point (AP) is unsuccessful?

Answer:

Method 1: Please check whether the relevant certificate of the network is correct.

Method 2: Please check whether the wireless network configuration of your computer is correct.