



深圳市潮流网络技术有限公司

WP810/822/825 对接 Zoom 平台说明手册



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概览

本文介绍了将潮流WP810/822/825系列话机注册到Zoom平台的方法。



配置步骤-Zoom Web 平台

本节介绍了如何在 ZOOM Web 平台配置 WP810/822/825。

本节以 WP810 为例介绍了如何添加 WP 话机并给话机分配 Zoom 用户。

前提条件:

- Zoom Phone 账号: 需要有效的 Zoom Phone 订阅分配给 WP810。
- Zoom 批准将 WP810 作为通用 SIP 设备。管理员应联系 Zoom 客户经理以启动审批流程。

登录 Zoom Web 平台地址: <https://zoom.us/>。

本节包括以下 Zoom SIP 配置:

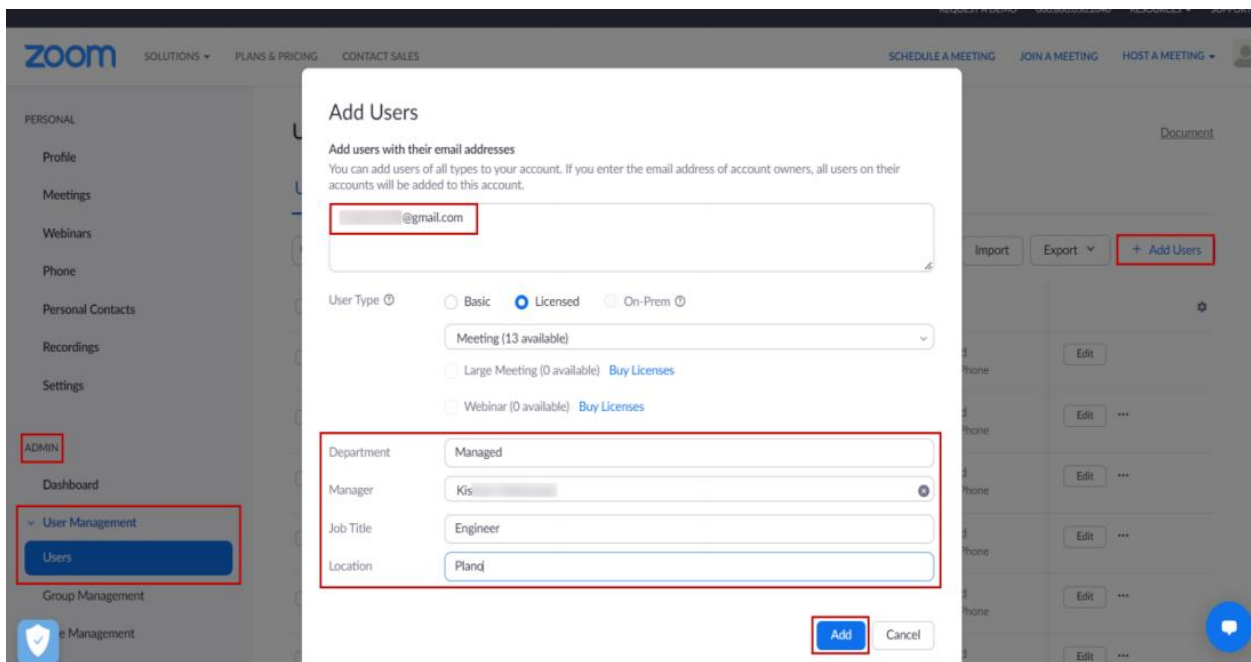
1. 创建 Zoom 用户。
2. 添加 SIP 设备。

创建 Zoom 用户

Zoom 用户可用来登录桌面或移动设备上的 Zoom 客户端, 也可以分配给 SIP 设备。

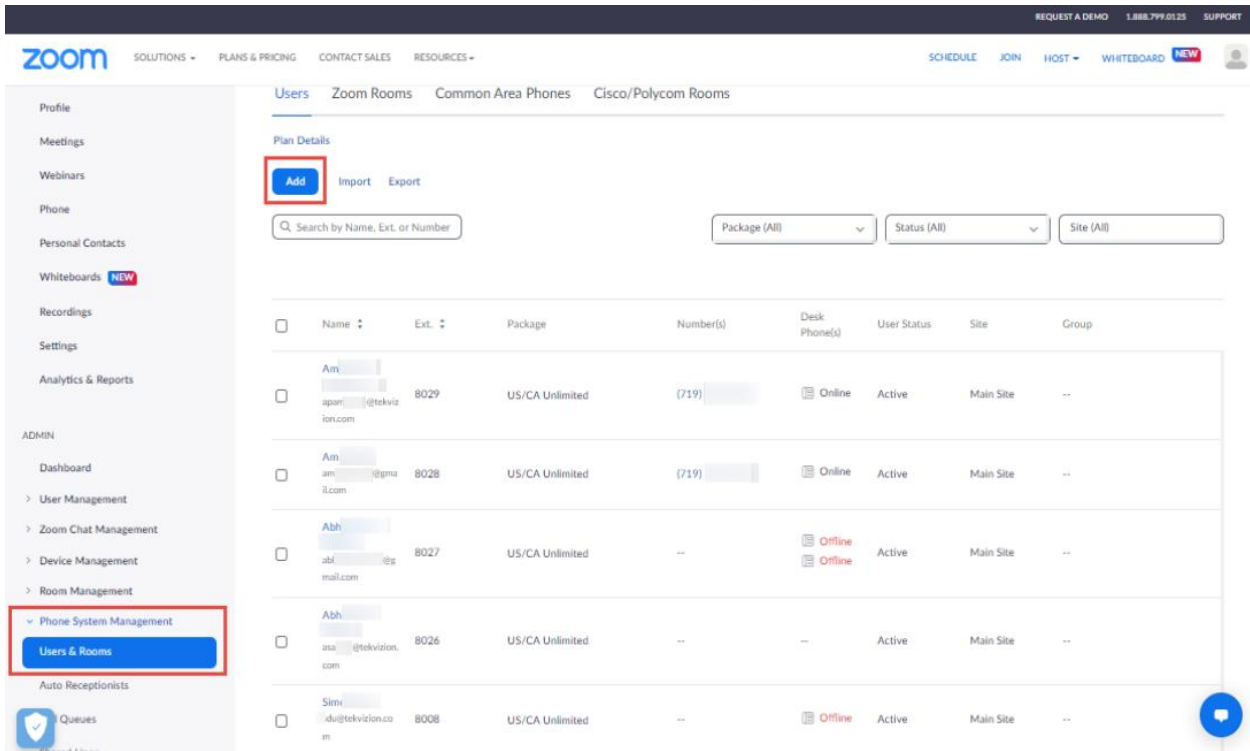
创建用户的步骤如下:

1. 在管理员界面, 导航至 User Management → Users, 点击+ Add Users 创建新的 Zoom 用户。如图所示:

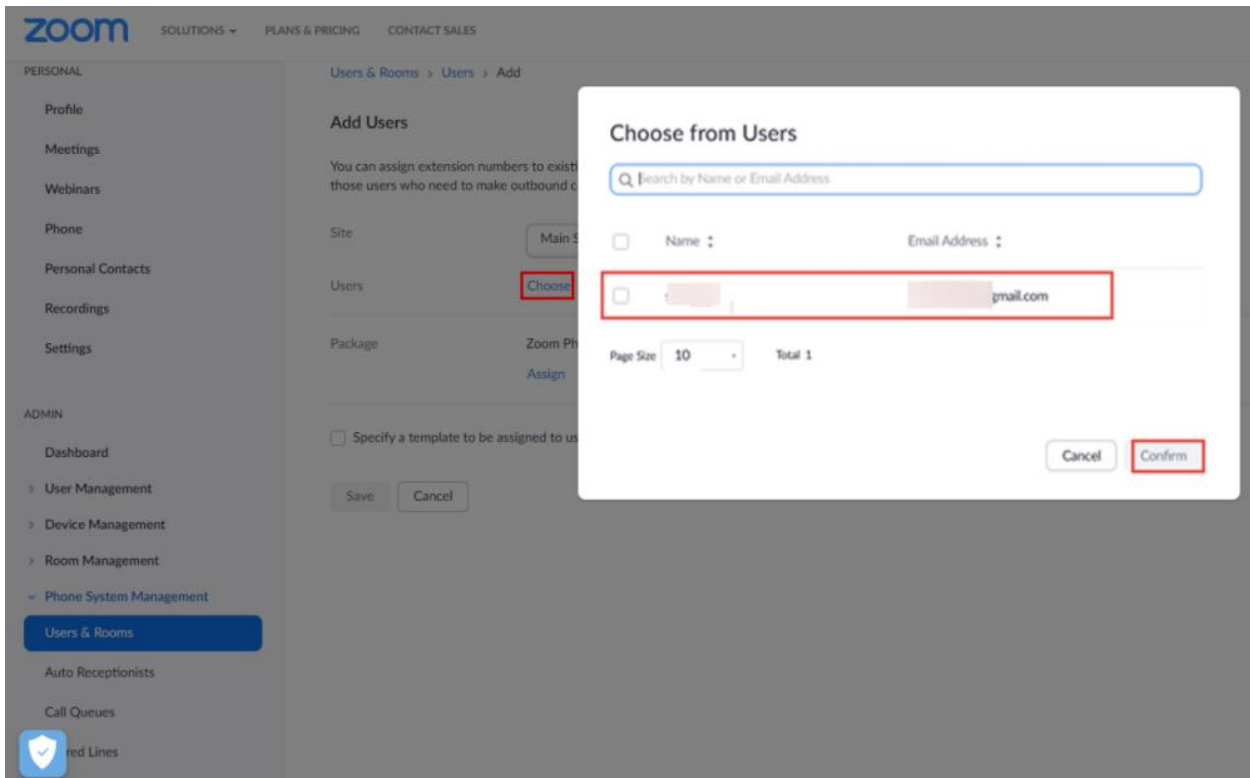


2. 创建用户时, 会向电子邮件地址发送激活邮件, 请按照指示激活账号。
3. 导航至 Phone System Management → Users & Rooms, 点击 Add。



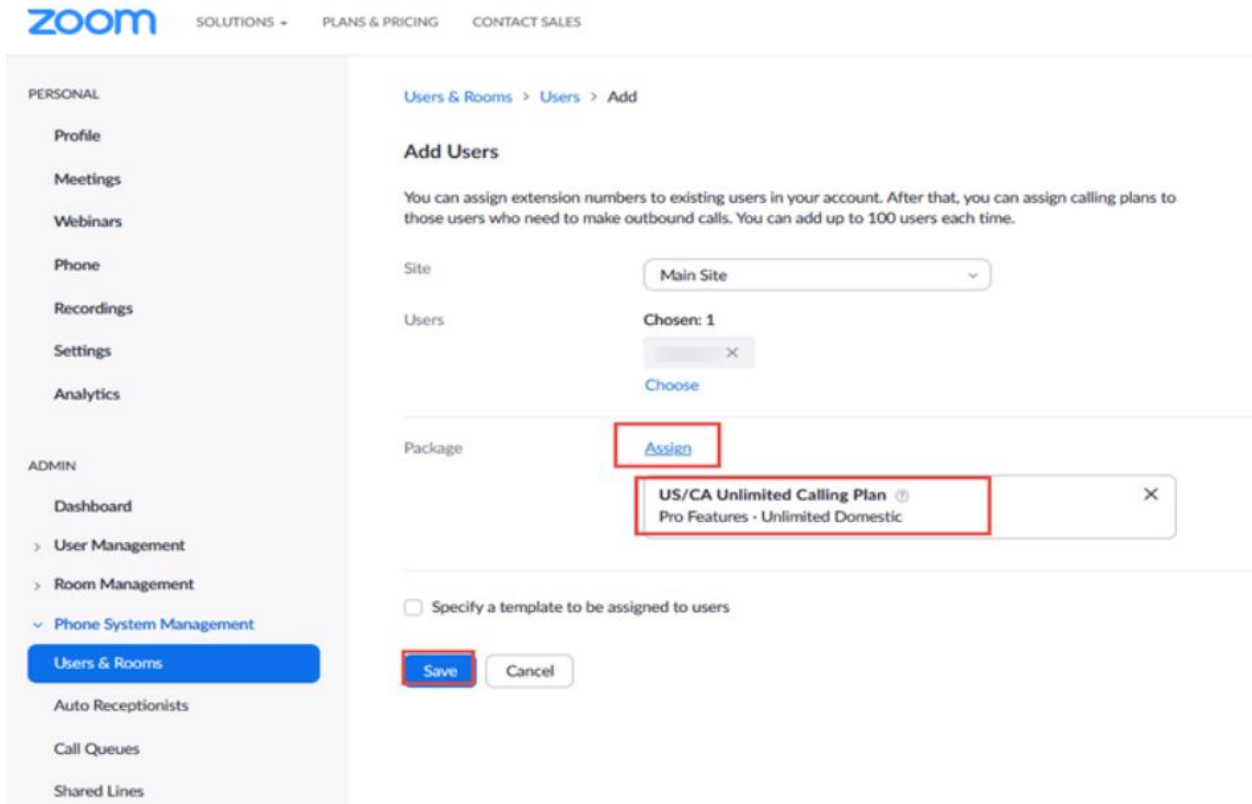


4. 点击 User 旁边的 Choose，跳出用户选择窗口后，选择需要的用户，点击 Confirm 确认。

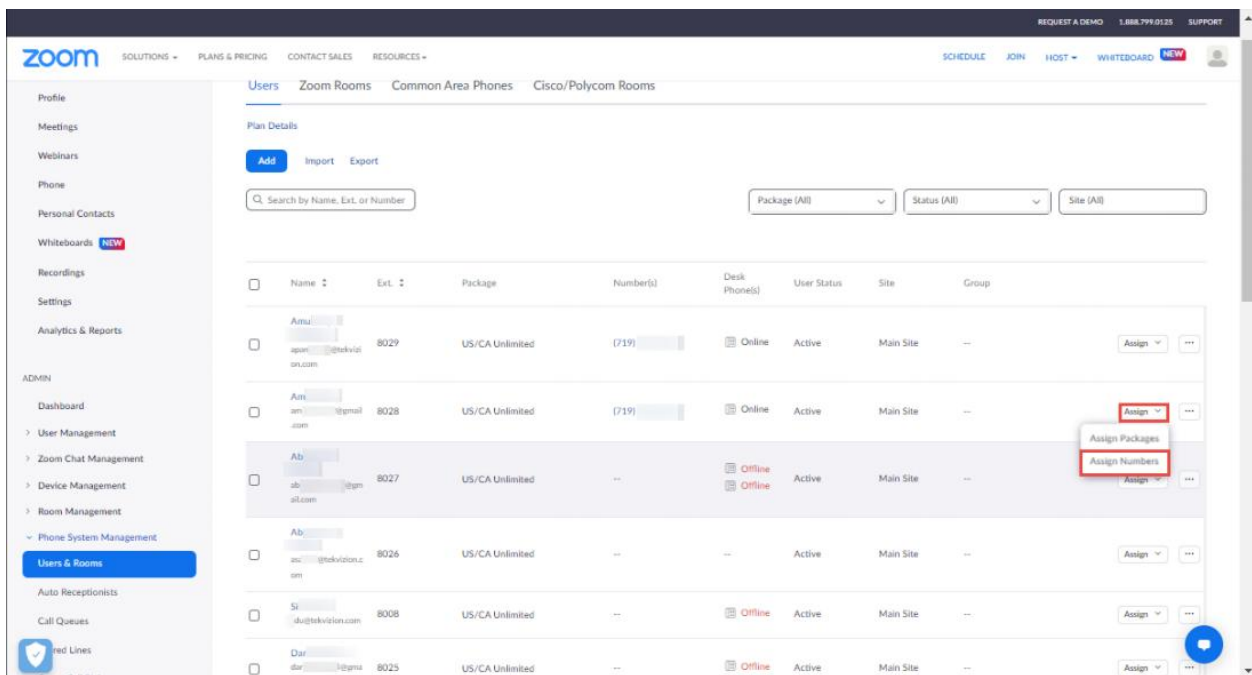


5. 点击 Package 旁的 Assign，在新窗口中，选择合适的通话计划，图中选择了 US/CA 无限通话计划，单击“保存”完成在电话系统管理下的用户添加。





6. 选择新添加的用户，点击 Assign 选择分配号码。



7. 选择想要的 DID，点击确认，将 DID 分配给用户。



Assign Numbers

Country/Region

United States

Site (All)

Number Type (All)

<input checked="" type="checkbox"/>	Number	Area	Number Type	Capability	Site
<input checked="" type="checkbox"/>	(719) [REDACTED]	Canon City, Colorado, United States	Toll Number	Incoming & Outgoing	Main Site
<input type="checkbox"/>	[REDACTED]	United States	Toll Number	Incoming & Outgoing	Main Site
<input type="checkbox"/>	[REDACTED]	United States	Toll Number	Incoming & Outgoing	Main Site
<input type="checkbox"/>	[REDACTED]	United States	Toll Number	Incoming & Outgoing	Main Site
<input type="checkbox"/>	[REDACTED]	United States	Toll Number	Incoming & Outgoing	Main Site
<input type="checkbox"/>	[REDACTED]	United States	Toll Number	Incoming & Outgoing	Main Site
<input type="checkbox"/>	[REDACTED]	United States	Toll Number	Incoming & Outgoing	Main Site
<input type="checkbox"/>	[REDACTED]	United States	Toll Number	Incoming & Outgoing	Main Site
<input type="checkbox"/>	[REDACTED]	United States	Toll Number	Incoming & Outgoing	Main Site
<input type="checkbox"/>	[REDACTED]	United States	Toll Number	Incoming & Outgoing	Main Site

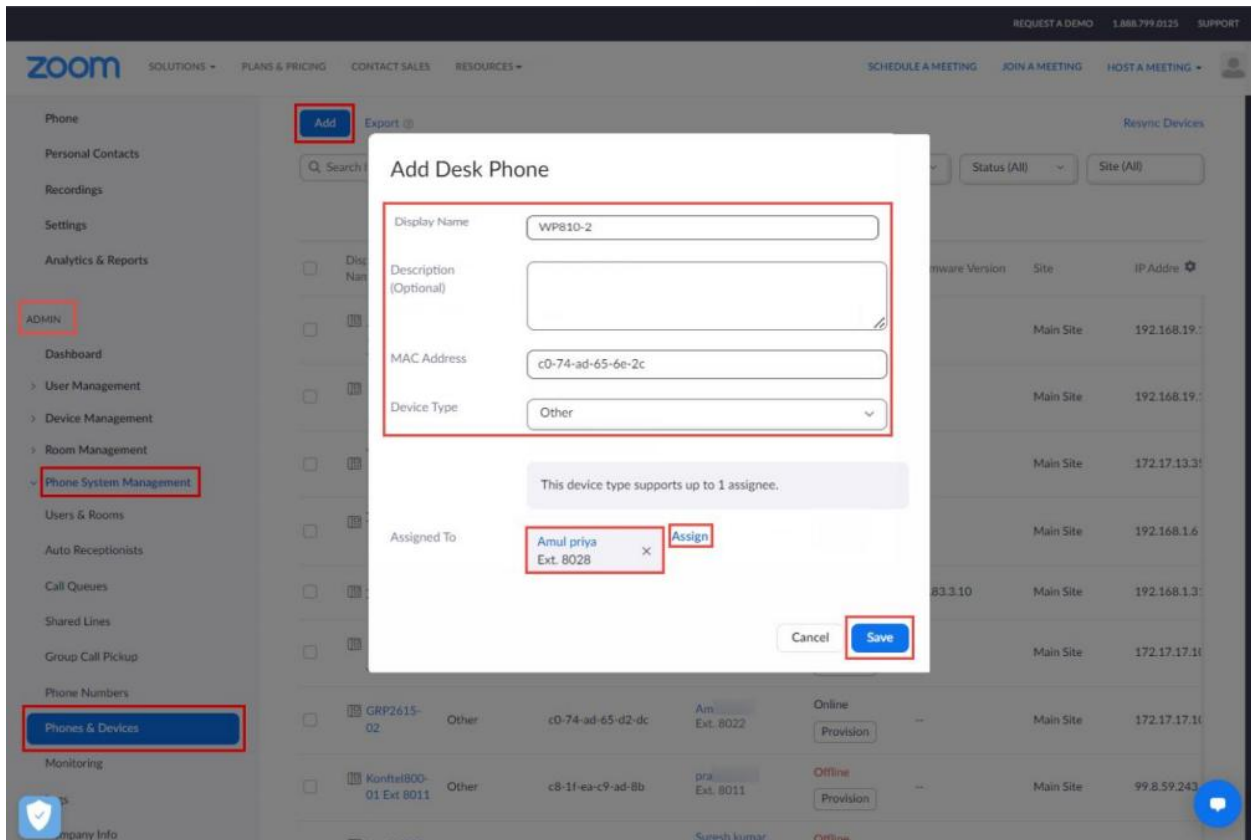
Page 1 of 2 Page Size: 10 Total 12

添加 SIP 设备

1. 导航至 ADMIN -> Phone System Management -> Phones & Devices, 点击 Add 添加设备。
 - 设置显示名称: 示例为 WP810-2。
 - 输入 MAC 地址: 添加 WP810 的 MAC 地址。
 - 设置设备类型: 选择 Others, 因为手机类型尚未认证。



- 在 Assign To 下点击 Assign，选择新创建的用户。
- 点击 Save 保存。



2. 选择新创建话机的显示名称，导航至该话机模板，点击 Provision 按钮，将显示 SIP 账号的详细信息，该信息将用于 WP810-2 配置



WP810-2 Rename
No description

Profile

Site	Main Site (Main Site)
Assigned To	Amul priya Ext. 8028 ×
IP Address	172.16.31.209
Device Type	Other
Firmware Version	--
MAC Address	c0-74-ad-65-6e-2c
Provision Template	Unsupported ⓘ
Status	Online

Actions ▼ Remove

- Provision**
- Resync

3. 下载证书并导入到设备，该设备将被视为信任列表中的设备。

注意：默认情况下，WP810 本机支持 DigiCert CA。因此，不必手动上传证书。



Provisioning

MAC Address c0-74-ad-65-6e-2c

Device Type Other

You will need to enable TLS1.2 for SIP registration and enable SRTP for secure calling on your IP phone. Please refer to your manufacturer's instructions for these processes.

You'll need following information for manual provisioning.

SIP Account 1:

1. SIP Domain: 7000766863.zoom.us
2. Outbound Proxy: us01sip0h.sc.zoom.us:5091
3. User Name: 3223
4. Authorization ID: 343
5. Password: A1 Wg

Please download [DigiCert Global Root CA](#), [DigiCert Global Root G2](#), [DigiCert Global Root G3](#) and import to your IP phone if they are not in the trust list of the device.

Note: Please note that Zoom support team will not be able to troubleshoot or configure IP phones that are provisioned in this manner. Some Zoom Phone features may not work on manually provisioned phones. It may vary depending on your desk phone model.

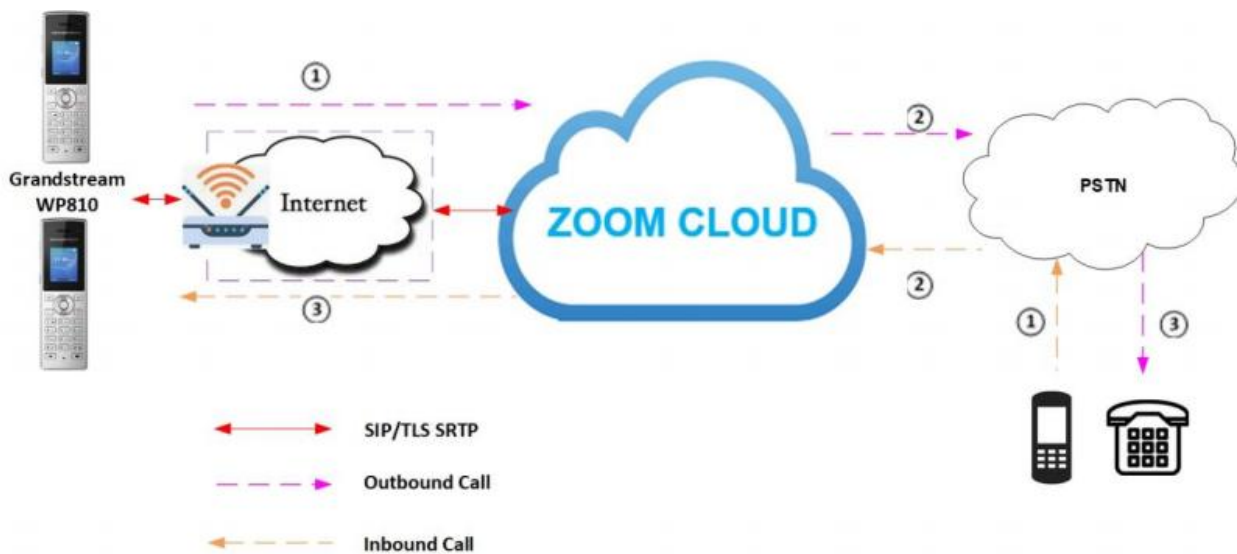
Close



潮流 WP810 配置

本节介绍如何将潮流 WP810 注册到 Zoom 电话服务。

部署拓扑图



网络

默认情况下，WP810 已启用 DHCP 模式，如果电话所连接的路由器不支持 DHCP，则可以手动配置静态 IP。按下 WP810 上的向上箭头按钮，可以查看 WP810 的 IP 地址。

固件升级

本节确保话机已经升级到所支持的固件，本次测试的话机固件为 1.0.11.16。导航至话机 Web 页面的维护→更新升级页面，点击 Start 按钮，上传固件升级。

Grandstream WP810 Admin Logout | Reboot | English ▾

GRANDSTREAM STATUS ACCOUNTS SETTINGS NETWORK MAINTENANCE DIRECTORY

Web Access
Upgrade and Provisioning
 Syslog
 TR-069
 Security Settings
 Packet Capture
 Tools

Account Status

Account	SIP User ID	SIP Server	SIP Registration
Account 1	3223	634 7000766863.zoom.us	YES
Account 2			UNKNOWN

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Grandstream WP810 Admin Logout | Reboot | English ▾

GRANDSTREAM STATUS ACCOUNTS SETTINGS NETWORK MAINTENANCE DIRECTORY

Version 1.0.11.16

Upgrade and Provisioning

Upgrade Firmware **Start**

Always Check for New Firmware
 Check New Firmware Only When F/W pre/suffix Changes
 Always Skip the Firmware Check

Always Authenticate Before Challenge No Yes

Validate Hostname in Certificate No Yes

Allow DHCP Option 43 and Option 66 to Override Server No Yes Prefer, fallback when failed

Additional Override DHCP Option **Option 150**

Allow DHCP Option 120 to Override SIP Server No Yes

Automatic Upgrade No
 Yes, check for upgrade every 1008 minute(s)
 Yes, check for upgrade every day
 Yes, check for upgrade every week

部署

WP810 可以通过两种方式部署：

1. 通过 HTTP 服务器。
2. 通过 Web 页面。

通过 HTTP 服务器

1. 在 HTTP 服务器中，上传以下文件，话机会从服务器中下载该配置文件并进行配置。



```
<?xml version="1.0" encoding="UTF-8" ?>
<!-- Zoom IOT Provisioning Template - 2 Accounts-->
<gs_provision version="1">
  <config version="1">
    <!-- Upgrading and Provisioning Settings -->
    <!-- Firmware Upgrade Protocol. 0 - TFTP, 1 - HTTP, 2 - HTTPS -->
    <P6767>1</P6767>
    <!-- Config Upgrade Protocol. 0 - TFTP, 1 - HTTP, 2 - HTTPS -->
    <P212>1</P212>
    <!-- Firmware Server Path -->
    14
    15
    <P192>http://172.XX.XX.XXX:90/Folder Path</P192>
    <!-- Config Server Path -->
    <P237>http://172.XX.XX.XXX:90/Folder Path</P237>

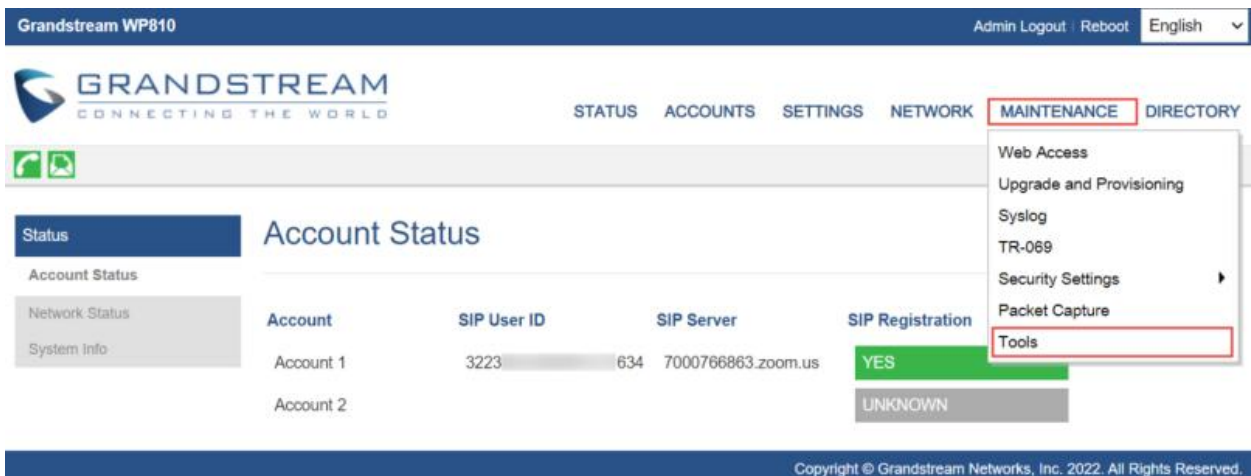
    <!-- Syslog Server -->
    <P207>172.XX.XX.XXX </P207>
    <!-- Syslog Level. 0 - NONE, 1 - DEBUG, 2 - INFO, 3 - WARNING, 4 - ERROR. Default is 0 -->
    <P208>1</P208>
    <!-- Send SIP Log. 0 - No, 1 - Yes. Default is 0 -->
    <P1387>1</P1387>
    <!-- Use Random Port. 0 - No, 1 - Yes. Default is 1 -->
    <P78>0</P78>
    <!-- Account Settings -->
    <!-- Account 1 -->
    <!-- Account Active (In Use). 0 - No, 1 - Yes -->
    <P271>1</P271>
    <!-- Account Name. -->
    <P270>6E2C</P270>
    <!-- SIP User ID -->
    <P35>32238XXXXXXXXXXXX634</P35>
    <!-- Authenticate ID -->
    <P36>3436XXXXX223</P36>
    <!-- Authenticate password -->
    <P34>A1XXXXXg</P34>
    <!-- Display Name (John Doe) -->
    <P3>8028</P3>
    <!-- SIP Server -->
    <P47>7000766863.zoom.us</P47>
    <!-- Outbound Proxy -->
    <P48>us01sip0h.sc.zoom.us:5091</P48>
    <!-- DNS Mode. 0 - A Record, 1 - SRV, 2 - NAPTR/SRV. -->
```



```

<P103>1</P103>
<!-- DNS SRV Failover Mode. 0 - Default, 1 - Saved one until DNS TTL, 2 - Saved one until no
response, 3 - Failback follows failback expiration timer. -->
<P26040>2</P26040>
<!-- SIP Registration. 0 - No, 1 - Yes -->
<P31>1</P31>
<!-- Register Expiration (in minutes. default 1 hour, max 45 days) -->
<P32>60</P32>
<!-- SIP Transport. 0 - UDP, 1 - TCP, 2 - TLS/TCP. Default is 0-->
<P130>2</P130>
<!-- SRTP Mode. 0 - Disabled, 1 - Enabled but not forced, 2 - Enabled and forced, 3 - Optional.
Default
is 0 -->
<P183>2</P183>
<!-- SRTP Key Length. 0 - AES 128&256 bit, 1 - AES 128 bit, 2 - AES 256 bit. Default is 0 -->
<P2383>0</P2383>
<!-- Enable Session Timer. 0 - No, 1 - Yes. Default is 0 -->
<P2395>1</P2395>
<!-- Caller ID Display. 0 - Auto, 1 - Disabled, 2 - From Header. Default is 2 -->
<P2324>0</P2324>
<!-- NAT Traversal. 0 - No, 1 - STUN, 2 - keep alive, 3 - UPnP, 4 - Auto, 5 - VPN. Default is 4
-->
<P52>0</P52>
<!-- Enable Local Call Features. 0 - No, 1 - Yes -->
<P191>1</P191>
<!-- Special Feature. 137 - Zoom -->
<P198>137</P198>
</config>
</gs_provision>
  
```

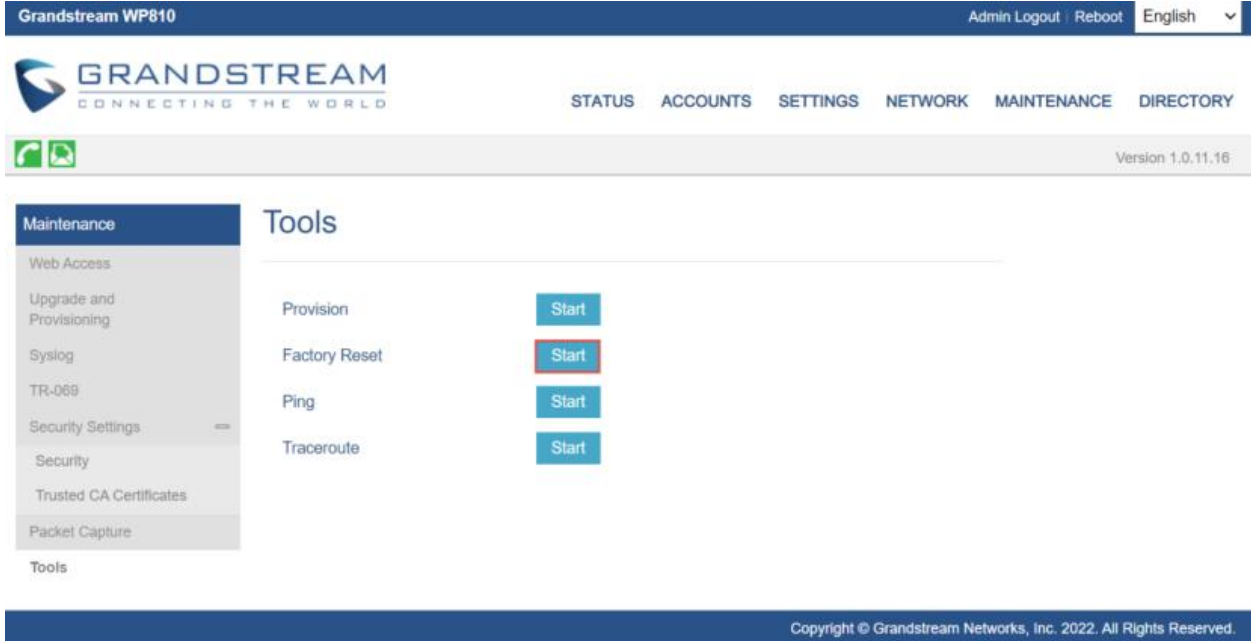
2. 进入话机的 Web 页面，导航至维护→工具。



The screenshot shows the Grandstream WP810 Web Management Interface. At the top, there is a navigation bar with the Grandstream logo and the text "CONNECTING THE WORLD". The main navigation menu includes STATUS, ACCOUNTS, SETTINGS, NETWORK, MAINTENANCE, and DIRECTORY. The MAINTENANCE menu is expanded, showing options like Web Access, Upgrade and Provisioning, Syslog, TR-069, Security Settings, Packet Capture, and Tools. The Tools option is highlighted with a red box. Below the navigation bar, there is a section for Account Status. The Account Status section includes a table with columns for Account, SIP User ID, SIP Server, and SIP Registration. The table shows two accounts: Account 1 with SIP User ID 3223 and SIP Server 7000766863.zoom.us, and Account 2 with SIP Registration UNKNOWN. The SIP Registration for Account 1 is shown as YES in a green box.



3. 点击 Start 恢复出厂。



The screenshot shows the Grandstream WP810 web interface. At the top, there is a header with "Grandstream WP810" on the left, "Admin Logout | Reboot" in the middle, and "English" with a dropdown arrow on the right. Below the header is the Grandstream logo and a navigation menu with "STATUS", "ACCOUNTS", "SETTINGS", "NETWORK", "MAINTENANCE", and "DIRECTORY". A secondary navigation bar contains icons for home and refresh, and "Version 1.0.11.16" on the right. The main content area is divided into two sections: "Maintenance" on the left and "Tools" on the right. The "Tools" section lists "Provision", "Factory Reset", "Ping", and "Traceroute", each with a blue "Start" button. The "Factory Reset" button is highlighted with a red border. The footer contains the text "Copyright © Grandstream Networks, Inc. 2022. All Rights Reserved."

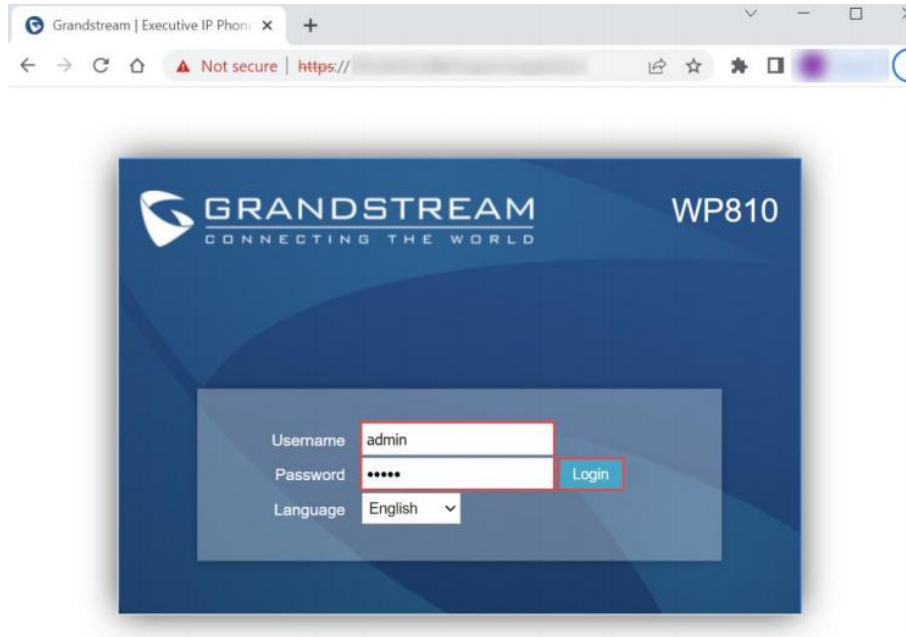
4. 点击 OK 确认恢复出厂。

Are you sure you wish to factory reset the phone?

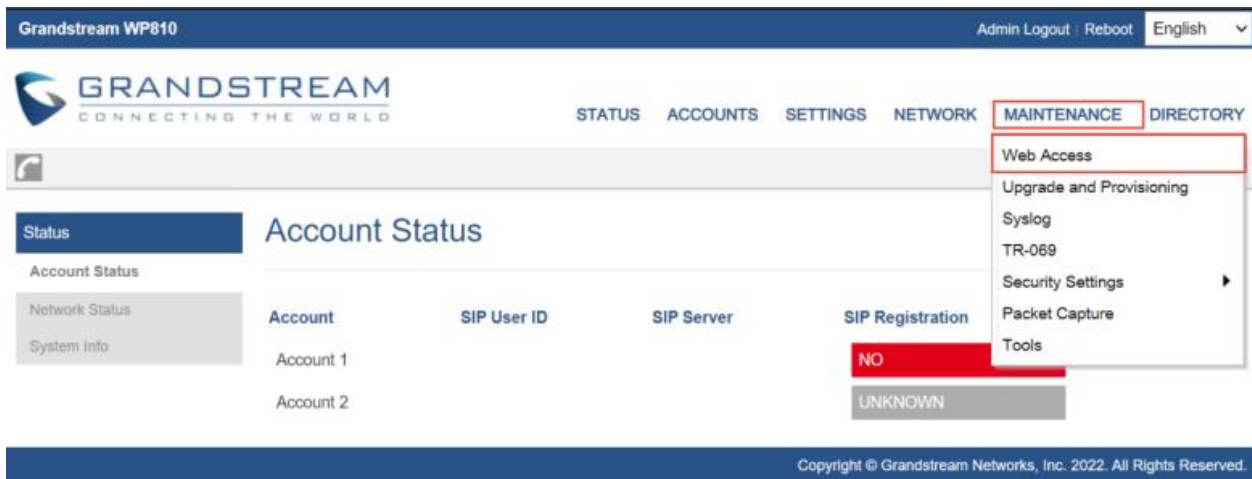


5. 话机重启后，在浏览器的地址栏中输入话机的 IP 地址(https://ip-address)。然后输入用户名和密码。默认管理员用户名为“admin”，随机密码可以在设备背面的标签上找到。





6. 登录后，导航至维护→Web 访问修改新密码。



7. 在管理员密码处，填写当前密码和新密码，点击保存。

Grandstream WP810 Admin Logout | Reboot English

GRANDSTREAM STATUS ACCOUNTS SETTINGS NETWORK MAINTENANCE DIRECTORY

Version 1.0.11.16

Maintenance

Web Access

Upgrade and Provisioning

Syslog

TR-069

Security Settings

Security

Trusted CA Certificates

Packet Capture

Tools

Web Access

User Password

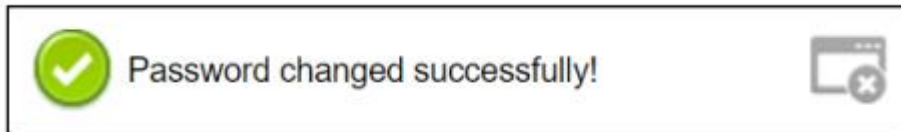
New Password

Confirm Password

Admin Password

Current Password	*****
New Password	*****
Confirm Password	*****

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8. 导航至维护→更新升级:

Grandstream WP810 Admin Logout | Reboot English

GRANDSTREAM STATUS ACCOUNTS SETTINGS NETWORK **MAINTENANCE** DIRECTORY

Web Access
Upgrade and Provisioning
Syslog
TR-069
Security Settings
Packet Capture
Tools

Status

Account Status

Network Status

System Info

Account Status

Account	SIP User ID	SIP Server	SIP Registration
Account 1			NO
Account 2			UNKNOWN

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9. 下滑至配置部分，选择配置升级方式为 HTTP，输入配置文件路径 (http://ipaddress:90/Folder Path)。



Config

Config Upgrade via	<input type="radio"/> TFTP <input type="radio"/> HTTP <input checked="" type="radio"/> HTTPS <input type="radio"/> FTP <input type="radio"/> FTPS
Config Server Path	<input type="text" value="fm.grandstream.com/gs"/>
Config Server Username	<input type="text"/>
Config Server Password	<input type="text"/>
Config File Prefix	<input type="text"/>
Config File Postfix	<input type="text"/>
XML Config File Password	<input type="text"/>
Authenticate Conf File	<input checked="" type="radio"/> No <input type="radio"/> Yes
Download Device Configuration	Download
Download Device Configuration (XML)	Download
Download and Process ALL Available Config Files	<input checked="" type="radio"/> No <input type="radio"/> Yes
Download User Configuration	Download
Upload Device Configuration	Upload
Export Backup Package	Download
Restore from Backup Package	Upload

10. 点击保存并应用。
11. 在话机重启后，话机将会从 HTTP 服务器中下载配置文件并配置话机。
12. 在 Web 页面导航至状态→账号状态，确认话机是否完成部署。

通过 Web 页面部署

本节介绍设备如何注册 Zoom 门户中填充的 SIP 账号（前文在[添加 SIP 设备](#)中已说明）。

- WP810 通过 web 界面完成配置。在浏览器的地址栏中输入话机的 IP 地址(https://ip-address)。输入用户名和密码，然后单击登录。
- 导航至账号→账号 1。
- 在账号 1→常规设置中，配置以下参数：
 1. 激活账号：是。
 2. 账号名称：填写账号名，示例：6E2C。
 3. SIP 服务器：7000766863.zoom.us（由 Zoom 部署）。
 4. 出局代理服务器： us01sip0h.sc.zoom.us:5091（由 Zoom 部署）。
 5. SIP 用户 ID：输入 SIP 用户 ID（来自 Zoom 部署）。
 6. 认证 ID：输入 SIP 认证 ID（来自 Zoom 部署）。
 7. 认证密码：输入 SIP 账号认证密码（来自 Zoom 部署）。
 8. 名称：填写账号名，示例：6E2C。
 9. 保存并应用。





Accounts

- Account 1 edit
- General Settings**
- Network Settings
- SIP Settings ⇅
- Audio Settings
- Call Settings
- Intercom Settings
- Feature Codes
- Account 2 ⇅
- Account Swap

General Settings

Account Active	<input type="radio"/> No <input checked="" type="radio"/> Yes
Account Name	6E2C
SIP Server	7000766863.zoom.us
Secondary SIP Server	
Outbound Proxy	us01sip0h.sc.zoom.us:5091
Backup Outbound Proxy	
SIP User ID	32
Authenticate ID	343
Authenticate Password	*****
Name	8028
Voice Mail Access Number	
Account Display	<input checked="" type="radio"/> User Name <input type="radio"/> User ID

- 导航至账号→网络设置。
 1. DNS 模式：SRV 。
 2. DNS SRV 故障切换模式：保存一个直到无响应。
 3. NAT 穿透：否。
 4. 保存并应用。





Accounts

Account 1

General Settings

Network Settings

SIP Settings

Audio Settings

Call Settings

Intercom Settings

Feature Codes

Account 2

Account Swap

Network Settings

DNS Mode	SRV
DNS SRV Fail-over Mode	Saved one until no response
Register Before DNS SRV Failover	<input checked="" type="radio"/> No <input type="radio"/> Yes
Primary IP	<input type="text"/>
Backup IP 1	<input type="text"/>
Backup IP 2	<input type="text"/>
NAT Traversal	No
Proxy-Require	<input type="text"/>

- 导航至账号 1→SIP 设置→基础设置。
 1. SIP 注册：是。
 2. 注册期限：60。
 3. SIP 传输方式：TLS/TCP。
 4. 用户 ID 显示：自动
 5. 保存并应用。



- Accounts
- Account 1
- General Settings
- Network Settings
- SIP Settings
- Basic Settings
- Custom SIP Headers
- Advanced Features
- Session Timer
- Security Settings
- Audio Settings
- Call Settings
- Intercom Settings
- Feature Codes
- Account 2
- Account Swap

Basic Settings

TEL URI Disabled User=phone Enabled

SIP Registration No Yes

Unregister on Reboot No All Instance

Register Expiration

Subscribe Expiration

Reregister before Expiration

Enable OPTIONS Keep Alive No Yes

OPTIONS Keep Alive Interval

OPTIONS Keep Alive Max Lost

Enable TCP Keep Alive No Yes

Local SIP Port

SIP Registration Failure Retry Wait Time

SIP T1 Timeout

SIP T2 Timeout

SIP Transport UDP TCP TLS/TCP

SIP Listening Mode Transport Only Dual Dual (Secured)
 Dual (BLF Enforced)

SIP URI Scheme When Using TLS sip sips

Use Actual Ephemeral Port in Contact with TCP/TLS No Yes

Outbound Proxy Mode in route not in route always send to

Support SIP Instance ID No Yes

SUBSCRIBE for MWI No Yes

SUBSCRIBE for Registration No Yes

Enable 100rel No Yes

Callee ID Display Auto Disabled To Header

Caller ID Display Auto Disabled From Header

Add Auth Header On Initial REGISTER No Yes

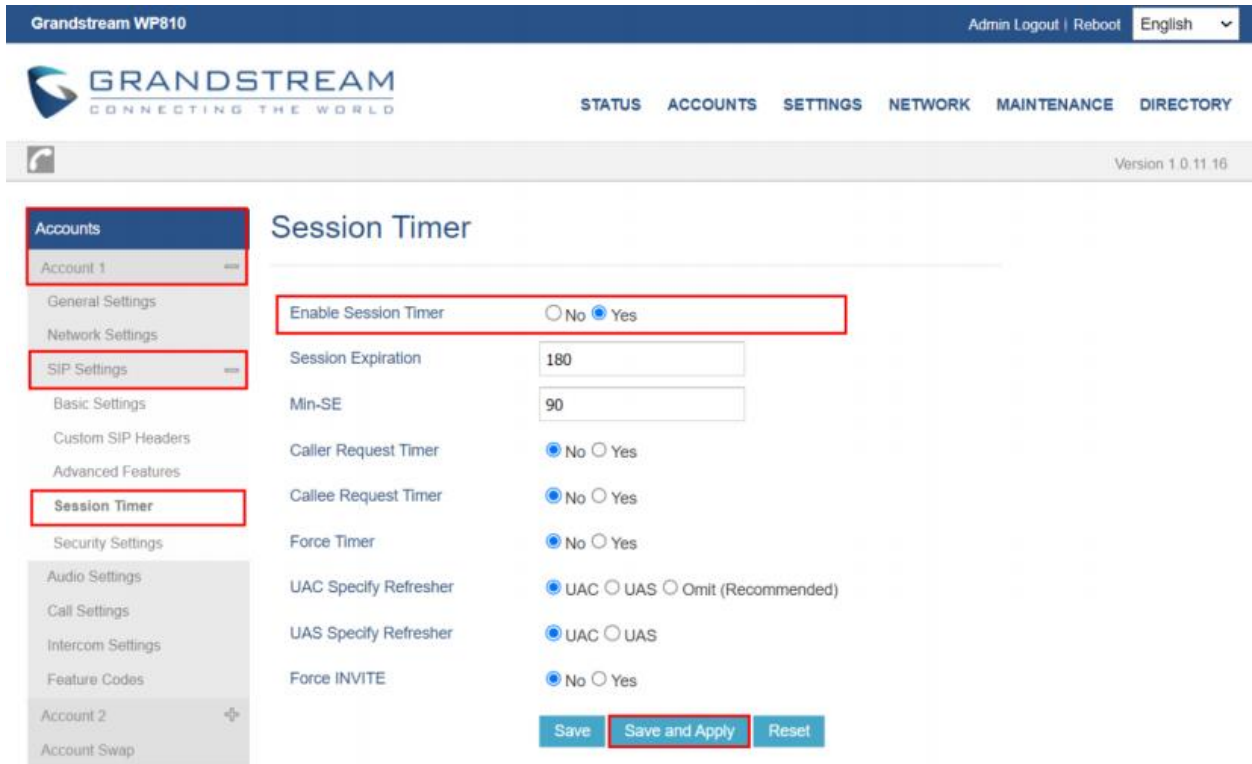
Allow SIP Reset No Yes

Ignore Alert-Info header No Yes

Save Save and Apply Reset



- 导航至账号 1→SIP 设置→会话计时。
 1. 启用会话计时器：是
 2. 保存并应用。



The screenshot shows the Grandstream WP810 web interface. The top navigation bar includes 'Grandstream WP810', 'Admin Logout | Reboot', and a language dropdown set to 'English'. Below the navigation bar are tabs for 'STATUS', 'ACCOUNTS', 'SETTINGS', 'NETWORK', 'MAINTENANCE', and 'DIRECTORY'. The main content area is titled 'Session Timer' and shows settings for 'Account 1'. The 'Enable Session Timer' option is set to 'Yes'. Other settings include 'Session Expiration' (180), 'Min-SE' (90), and various timer options (Caller Request, Callee Request, Force) all set to 'No'. There are also options for UAC and UAS refreshers, and a 'Force INVITE' option set to 'No'. At the bottom, there are 'Save', 'Save and Apply', and 'Reset' buttons.

- 导航至账号 1→语音设置。
 1. SRTP 方式：强制使用。
 2. SRTP 加密位数：AES 128&256 bit。
 3. 保存并应用。



Accounts

- Account 1 →
- General Settings
- Network Settings
- SIP Settings ⇅
- Audio Settings
- Call Settings
- Intercom Settings
- Feature Codes
- Account 2 ⇅
- Account Swap

Audio Settings

Preferred Vocoder - choice 1 PCMU ▾

Preferred Vocoder - choice 2 PCMA ▾

Preferred Vocoder - choice 3 G.729A/B ▾

Preferred Vocoder - choice 4 G.722(wide band) ▾

Preferred Vocoder - choice 5 ILBC ▾

Preferred Vocoder - choice 6 G.726-32 ▾

Preferred Vocoder - choice 7 OPUS ▾

Use First Matching Vocoder in 200OK SDP No Yes

Codec Negotiation Priority Caller Callee

Disable Multiple m line in SDP No Yes

SRTP Mode Enabled and Forced ▾

SRTP Key Length AES 128&256 bit ▾

Crypto Life Time No Yes

Symmetric RTP No Yes

Silence Suppression No Yes

Jitter Buffer Type Adaptive ▾

Jitter Buffer Length 300ms ▾

Voice Frames per TX 2

G.726-32 Packing Mode ITU IETF

ILBC Frame Size 20ms 30ms

ILBC Payload Type 97

OPUS Payload Type 123

DTMF Payload Type 101

Send DTMF In-audio via RTP (RFC2833) via SIP INFO

Save
Save and Apply
Reset

- 导航至账号 1→SIP 设置→高级设置。
 1. 特殊模式: Zoom。
 2. 保存并应用。





Accounts

Account 1 ⇄

General Settings

Network Settings

SIP Settings ⇄

Basic Settings

Custom SIP Headers

Advanced Features

Session Timer

Security Settings

Audio Settings

Call Settings

Intercom Settings

Feature Codes

Account 2 ⇄

Account Swap

Advanced Features

 PUBLISH for Presence Disabled Enabled

 Omit charset=UTF-8 in MESSAGE Disabled Enabled

 Feature Key Synchronization Disabled Enabled

 Special Feature Zoom ▾
Save Save and Apply Reset

- 导航至账号 1→功能代码。
 1. 激活呼叫功能：是。
 2. 保存并应用。



Accounts

Account 1 ⇄

General Settings

Network Settings

SIP Settings ⇄

Audio Settings

Call Settings

Intercom Settings

Feature Codes

Account 2 ⇄

Account Swap

Feature Codes

 Enable Local Call Features No Yes

Save Save and Apply Reset

- 导航至设置→常规设置。
 1. 使用随机端口：否。
 2. 保存并应用。





- Settings
- General Settings**
- Call Features
- Multicast Paging
- Preferences
- Date and Time
- Language
- Ringtone
- Voice Monitoring

General Settings

Local RTP Port

Local RTP Port Range

Use Random Port No Yes

Keep-Alive Interval

Use NAT IP

STUN server

Delay Registration

Test Password Strength No Yes

Allow Dial Through Popups No Yes

