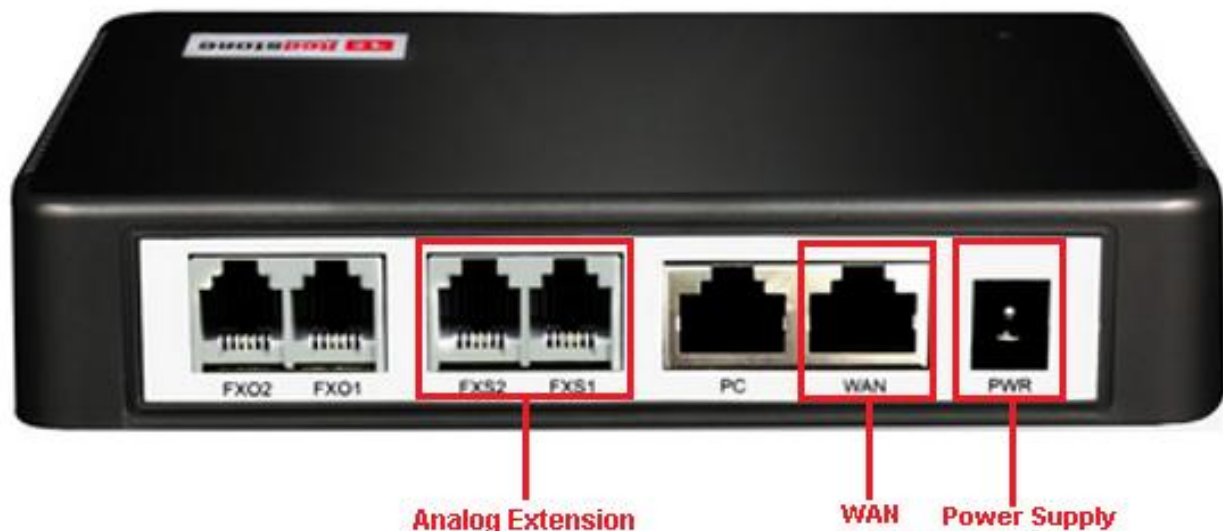


How to Register the RGW Gateway to the SIP Server ?

This article is intended for those who are just starting to utilize Redstone products. Many customers contacted Redstone's Customer Service Hotline after receiving these products with questions. SIP Servers, such as the Redstone REX IPPBX or other servers, can be used to register these devices with the SIP Server. The way they both registered is the same.

1. Obtain the IP Address of the RGW Gateway



- ① Connect the Analog Extension to the **FXS** Port of the RGW Gateway
- ② Pick up, dial **##** and listen to the Voice Prompt Tone to obtain the IP Address of the device



*By default, the RGW4 and RGW8 Gateway obtain IP Addresses through DHCP. Please enable the DHCP Function. RGW48 and RGW96 are static IP 192.168.2.240

2. Login the Configuration Webpage of the RGW Gateway

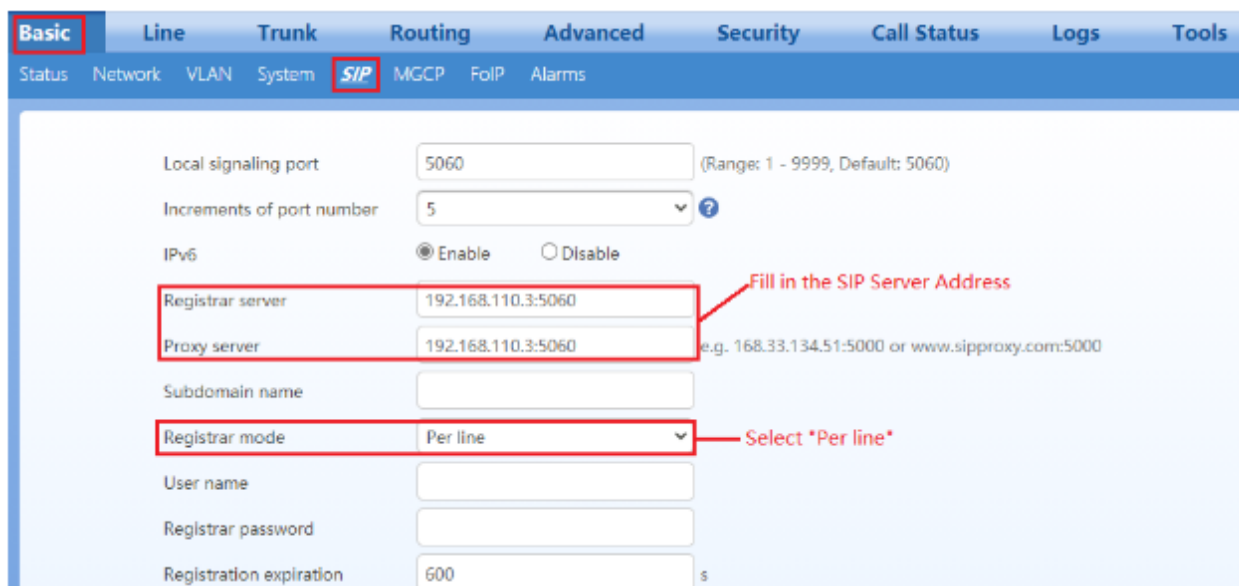
- ① Open your computer browser, input the IP Address of the RGW Gateway and login to the RGW Gateway configuration interface;
- ② Take the RGW8 Gateway as example, select **Admin** in the Drop-Down Box of the User Bar, and input the password in the Password Bar (the default password is: **in random (8 digits)**, **see label on the device**).



The image shows the login page of the RGW8 Gateway. At the top, there is a logo for "Redstone Systems" and the title "RGW8 Gateway". Below the title, there is a user selection dropdown menu with "Admin" selected. Next to it is a password input field with a lock icon and a masked password "....". Below the password field is a CAPTCHA image showing the numbers "9 0 4 6" and a "Refresh" link. At the bottom, there is a large blue "Login" button.

3. Register the RGW Gateway to the SIP Server

- ① Click **Basic>SIP** in the Configuration Webpage, input the SIP Server Address and select **"Perline"** for Registrar Mode and save it



The image shows the SIP configuration page in the RGW Gateway configuration interface. The page has a blue header with tabs: "Basic", "Line", "Trunk", "Routing", "Advanced", "Security", "Call Status", "Logs", and "Tools". The "Basic" tab is selected, and the "SIP" sub-tab is also selected. The configuration fields are as follows:

- Local signaling port: 5060 (Range: 1 - 9999, Default: 5060)
- Increments of port number: 5
- IPv6: ☒ Enable ☐ Disable
- Registrar server: 192.168.110.3:5060 (Red box highlights this field, with a red arrow pointing to it and the text "Fill in the SIP Server Address")
- Proxy server: 192.168.110.3:5060 (Red box highlights this field, with a red arrow pointing to it and the text "e.g. 168.33.134.51:5000 or www.sipproxy.com:5000")
- Subdomain name: (Empty field)
- Registrar mode: Per line (Red box highlights this dropdown menu, with a red arrow pointing to it and the text "Select *Per line*")
- User name: (Empty field)
- Registrar password: (Empty field)
- Registration expiration: 600 s

②Click **Line>Configuration**in the Configuration Webpage, select the phone line to be used, **enable the registration**, and input the Auth User Name and the Registrar Password and save it

Basic **Line** Trunk Routing Advanced Security Call Status Logs Tools

Batch Configuration **Configuration** Advanced

Phone Line: FXS-1 (Select the phone line to be used)

SIP Account Name: 61202700

Caller ID Text: 61202700

Registration: ☒ (Enable the Registration)

Auth User Name: 61202700

Registrar password: ***** (Input the Auth User Name & Registrar password)

4. **Verify whether the Registration of the RGW Gateway was successful or not**
Click **Call Status>Call status**in the Configuration Webpage, check the Line ID and the Register status of the corresponding number, it shows as **Registered(200OK)**, and this means the configuration is success

Basic Line Trunk Routing Advanced Security **Call Status** Logs Tools

Call status Call history on FXS Call history on FXO SIP message count

Connected: 0 Idle: 4 In-progress: 0 Other: 0

Clear Refresh

Line ID	Number	Register status	Line Status	Current call	Phone No. (Other End)	Duration	In	Out	Answered	Last call
FXS-1	61202700	Registered(200OK)	Idle	Idle		0	0	0		No call
FXS-2	8001	Unregistered	Idle	Idle		0	0	0		No call
FXO-3	8002	Unregistered	Disconnected	Idle		0	0	0		No call
FXO-4	8003	Unregistered	Disconnected	Idle		0	0	0		No call

Note : If the Register status showsUnregistered, then please check:

- ①Whether the Registration Server Address and Port No. are filled correctly or not;
- ②Whether the selected line has enabled registration or not;
- ③Whether the Registration Username and Password are filled correctly or not;
- ④Check whether the link between the RGW Gateway & the SIP Server can be Ping or not.