





User Guide

SR3000 & SR3000-lite

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Declaration of Conformity

FCC compliance statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) (2)This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for

compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ISED Canada compliance statement

This device complies with ISED Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio

exempts de licence. L'exploitationestautorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareildoit accepter tout brouillageradioélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.

La bande 5150-5250 MHz est réservée uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

CE compliance statement

"Flyingvoice Network Technology Co., Ltd." declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

For the full RED DoC file, Please download it as follow web: https://www.flyingvoice.com

The wireless operation frequency:

WIFI:24012-2472MHz, Max output power \leq 20dBm(E.I.R.P)

5150-5350MHz, Max output power \leq 23dBm(E.I.R.P)

5470-5725MHz, Max output power \leq 30dBm(E.I.R.P)

5725-5895MHz, Max output power \leq 13.98dBm(E.I.R.P)

Restrictions in the 5 GHz band:

According to Article 10 (10) of Directive 2014/53/EU, the packaging shows that this radio equipment will be subject to some restrictions when placed on the market in Belgium (BE), Bulgaria (BG), the Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE), the United Kingdom (UK), Turkey (TR), Norway (NO), Switzerland (CH), Iceland (IS), and Liechtenstein (LI).

The WLAN function for this device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.



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Chapter 1 Product Introduction

This chapter contains the following:

- Specifications
- Hardware Installation

Product Specifications

Specification/ Model	SR3000		
Photos	FLYINGVOICE 16:05 Mon, July 20 3:02 Mon 3:02 Mon 7:1.5 Mon 10:3 3:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1 11:3 4:1		
Power	• 12V / 2A		
LCD Screen	 1.7-inch round touch color screen Visually display time, up/downlink network speed, number of wireless terminals, Mesh agent status, etc. 		
Ethernet port	 1*WAN, 10/100/1000Mbps, uplink to the Internet 3*LAN, 10/100/1000Mbps, downlink to local network terminals, such as PC, IP phone, etc. 		
FXS Port	 1*RJ11 FXS port, support access to analog phone, fax or fire alarm panel, etc. 		
WPS Button	• External to the bottom of the device, one-button mesh networking.		
Reset Button	 External to the bottom of the device. Long press for more than 5 seconds to support restoring factory settings. Short press for 1 second to reboot the device. 		
WiFi6 Antenna	 802.11 a/n/ac/ax, 2*2 MIMO, 1024-QAM@160MHz 2402Mbps, eFEM. 802.11 b/g/n/ax, 2*2 MIMO, 1024-QAM@40MHz 573Mbps, eFEM. 		
EasyMesh	 Support "1+2" mesh networking of the controller and agent, extending network coverage area. Support LCD one-touch connection and WPS one-button connection. 		
Network	 Support 2.4GHz & 5GHz WiFi. Support bridge & route mode. Support IPv4 & IPv6. 		
Management	• Support TR069、SNMPv2.		

Specification/ Model	SR3000-lite
Photos	
Power	• 12V / 2A
Network	 1*WAN/LAN, 10/100/1000Mbps. Support uplink to the Internet or downlink to the PC to access the web for configuration.
WiFi6 Antenna	 802.11 a/n/ac/ax, 2*2 MIMO, 1024-QAM@160MHz 2402Mbps, eFEM. 802.11 b/g/n/ax, 2*2 MIMO, 1024-QAM@40MHz 573Mbps, eFEM.
LED Indicator	 Red/green colors indicate device power-up, mesh connection status. Red steady Booting/Rebooting/Resetting/Upgrading/Device disorder/Mesh failed. Green steady Successful boot up/Mesh successful. Red flashing slowly Network disconnected. Green flashing slowly Network connected. Red flashing fast Mesh connecting. Off - Not power on.
WPS button	• External to the bottom of the device, one-button mesh networking.
Reset button	 External to the bottom of the device. Long press for more than 5 seconds to support restoring factory settings. Short press for 1 second to reboot the device.
EasyMesh	 Support "1+2" mesh networking of the controller and agent, expanding network coverage area. Support WPS one-click connection.
Network	 Support 2.4GHz & 5GHz WiFi. Support bridge & routing mode. Supports IPv4 & IPv6.
Management	• Support TR069、SNMPv2.

Hardware Installation

Preparation for Installation

Before installing the equipment, please check whether the items are complete and whether the installation conditions are available. Open the packing box of the equipment and check whether the items in the box are complete against the list of items. If you find that the items in the box do not match the list, please contact us directly.

Attention

- The installation location should be equipped with conditions for connecting the equipment to the outside (e.g., power cord, network cable, PC, etc.), and the AC power outlet should be a single-phase, three-pronged power outlet, and ensure that the ground wire is reliably grounded.

- The environment of the installation location should ensure sufficient air flow to facilitate the heat dissipation of the equipment (the appropriate operating temperature of the equipment is 0°C ~ 50°C).

- The installation location should be waterproof, moisture-proof, lightning and other conditions (equipment suitable for environmental humidity of 10% to 90%).

Installation Steps

Before setting up your router, you must properly connect your device:

- Connect the WAN port of the device to the modem with an Ethernet cable;
- Connect your computer to the LAN port of the device with an Ethernet cable;
- Connect one end of the power cable to the device's power connector and the other end to a

power outlet;

- Start the router;

- Check that the power supply, LCD and LED are working properly.

Warning

- Do not attempt to use a power adapter that does not come standard and do not unplug the power

supply while configuring or changing the device.

Chapter 2 Boot Configuration

This chapter contains the following:

- Booting
- Basic configuration

Boot

After the device is powered up and networked successfully, users can confirm the device initialization status and obtain the network configuration by viewing the device's LCD display (SR3000 only), LED indicators (SR3000-lite only), or by accessing the device's web.

1. LCD Display

When the SR3000 is powered on, the boot loading progress bar is automatically displayed,

as shown in the following figure:



After the progress is loaded, it will automatically jump to the language selection interface, which

currently supports only 2 languages: English (default), Simplified Chinese.

As shown in the figure below:

/	LANGUAGE	
	English	
	简体中文	
1	ВАСК ОК	
		<u></u>

After the language selection is completed, it automatically jumps to the standby interface,

as shown in the following figure:



Parameters	Description
Date and Time	Real-time display of the current local date and time.
	Display the data transfer rate of uplink and downlink of the device in
Uplink/Downlink	real time.
Network Rate	The half circles on the left and right sides also dynamically display the
	corresponding network speed percentage.
Number of Mesh	Display the number of agent routes in the Mesh network
Agent Routes	Display the number of agent routes in the Mesin network.
Number of Wireless	Display the number of wireless access terminals through the WiFi in real
Access Terminals	time.

2.Web Access

SR3000 and SR3000-lite support Web Login access.

After the device is powered on, user can connect to a PC through the LAN port , and can access

the IP address (192.168.1.1) to log in to the web interface for viewing or configuration.

(1) User Role Classification

Access to the web interface is divided into two user levels of management: Administrator, User.

Administrator account: the initial account/password is: admin/SN last eight digits;

for the highest permissions, can view and configure all pages.

User account: the initial account/password is: user/SN last eight digits;

restricted permissions, only support to view some pages and basic configuration.

(2) Web Login

Ensure that the PC is properly connected to the LAN port of the device. The device has a built-in web server to respond to HTTP get/post requests, and users can access the web through the browser.

Enter the IP address (default 192.168.1.1) in the address bar of the browser on the PC, and the system will jump to the web login page,

as shown in the following figure:



User enters the account and password according to the role level, and the system automatically

jumps to the status information page that indicates after successful login,

Chapter 2 Boot Configuration

Flyingvoice	e			
쩐 Status	~	System Network FXS		
Information		System		
Log		Model	SR3000	
IP Config	>	Firmware Version	V0.2.10	
SIP	>	Hardware Version	V2.1	
Management	5	WAN MAC Address	00:21:F2:88:F2:49	
System	>	LAN MAC Address	00:21:F2:88:F2:48	
E Logout	>	Serial Number	SR30000708	
		Uptime	3 days	
		Local Time	Sun Apr 28 08:52:01 2024	
		Load Average	4.49, 3.96, 3.67	
				Copyright ©Flyingvoice Network Technology Co.All rights reserved.

Parameter	Description		
Model	Display the product model of the current device, which cannot be modified.		
Firmware Version	Display the firmware version of the device, which can be upgraded on demand.		
Hardware Version	Display the hardware version of the device's current internal hardware PCBA.		
WAN MAC Address	Display the MAC address of the WAN port of the device, which is fixed by factory default.		
LAN MAC Address	Display the MAC address of the LAN port of the device, which is fixed by factory default.		
Serial Number	Display the factory serial number of the device.		
Uptime	Display the time since the device first start.		
Local Time	Display the current local time and date.		
Average Load	Display the average load of the device over 3 time periods: Within the last 1 minute, within the last 5 minutes, and within the last 15 minutes.		

Basic Configuration

After the device boots up successfully, it supports logging into the Web to configure basic functions, including account/password modification, language modification, local time synchronization, upload/download configuration file, upgrade firmware, rebooting or restore factory setting.

1. Modify the Account/Password

This function privilege only applies to the administrator role. After logging in to the web, users can change the account and password of administrator and user.

Path: System -> Config -> Login Setting -> Web Account,

Flyingvoice		
🗠 Status >		togging
IP Config >	Web Account	
🤝 WiFi 🔷 👌	Lines Trees	
📞 SIP 🔰 🗧	User Type	Administrator 👻
Management >	Username	admin
System Config	Password	
Maintenance	Confirm Password	
Logout >		
		SAVE
		Copyright CFlyingvoice Network Technology Co.All rights reserved.

Parameter	Description
User Type	You can choose to the user level of the account: Administrator, User.
Username	Fill in the modified new username.
Password	Fill in the new modified password.
Confirm Password	Fill in the new modified password again to ensure consistency.

2. Modify the Language

User can modify the display language of the web page after logging in to the Web.

Path: System -> Config -> Language,

as shown in the following figure:

Flyingvoic	e	
🔤 Status	>	Language Time Login Setting Logging
IP Config	>	Basic
🕱 WiFi	>	
📞 SIP	>	English(en) V
Management	>	
🗘 System		SAVE
Config		Copyright ©Flyingvoice Network Technology Co.All rights reserved.
Maintenance		
🕞 Logout	>	

Parameters	Description
	You can modify the language of the system web display: Simplified Chinese,
Language	English.

Note: The SR3000's LCD display will also change the language setting synchronously.

3. Setting Time and Date

User can modify the time and date after logging in to the web.

Path: System -> Config -> Time -> NTP Setting,

Flyingvoice	Language Time Login Setting Logging
🔤 Status >	
IP Config >	NTP Setting
ஒ WiFi →	NTD Explo
📞 SIP >	Enable ~
Management >	Primary NTP Server pool.ntp.org
System Config	Secondary NTP Server time.windows.com
Maintenance	Local Time Zone UTC-5 America/New York ~
E Logout >	
	SAVE

Parameters	Description
	Optional enable or disable NTP settings to synchronize the current
	network time.
	Fill in the modified primary NTP server address for time
Primary NTP server	synchronization.
Secondary NTP server	Fill in the modified Secondary NTP server address for backup.
Local Time Zone	UTC timezone, optional the corresponding country and region.

4. Upload/Download Configuration File

After logging in to the web, user can download the configuration file of the current device, set

the function parameters in batch and then upload to the device.

Path: System -> Maintenance -> System Upgrade -> Backup,

as shown in the following figure:

Flyingvoice	System Upgrade Factory Setting Reboot
🗠 Status 🔰 🗧	
IP Config >	Backup
🗟 WiFi 💦 👌	Download File DOWNLOAD
sip >	
Management >	Upload File
🗘 System 👻	
Config	Firmware Upgrade
Maintenance	Firmware 选择文件 未选择文件 和选择文件
E Logout >	
	Copyright ©Flyingvoice Network Technology Co.All rights reserved.

Parameters	Description
	Download the current configuration file of the device with one click.
Download File	User can view the configuration parameters and corresponding values,
	or use it as a configuration file template to modify and upload again.
Upload File	One click to select a local file and then upload it.

5. Upgrade Firmware

After logging in to the web, user can choose to manually upgrade or downgrade the firmware

version of the device.

Path: System -> Maintenance -> System Upgrade -> Firmware Upgrade,

as shown in the following figure:

Flyingvoice	Surtan Llagrada Excton Satting Robust
🗠 Status 🔹 🔸	System opgrade a ractory setting reboot
IP Config >	Backup
😞 WiFi 🔷 👌	Download File DOWNLOAD
sip >	
Management >	Upload File 选择文件 未选择文件 UPLOAD
🗘 System 🗸 🗸	
Config	Firmware Upgrade
Maintenance	Firmware 选择文件 UPGRADE
	Copyright DFlyingvoice Network Technology Co All rights reserved.

Parameters	Description
Firmware	One click to select a local firmware file and then upload it.

Note: User is generally not supported to upgrade or downgrade the firmware version at will, which may result in the device not being able to boot up. If you need to refresh the version, please contact us to get the firmware file. Please do not disconnect the device from power and network during the upgrade process.

6. Restore Factory

User can set the device to factory status with one click after logging in to the web, or by long pressing the reset button at the bottom of the device for more than 5 seconds.

Path: System-> Maintenance-> Factory Setting,

Chapter 2 Boot Configuration

Flyingvoic	e	System Upgrade Factory Setting Reboot
🔛 Status	>	
IP Config	>	Factory Setting
🤝 WiFi	>	
SIP	>	Reset to Factory Default
Management	>	
🗘 System	~	Copyright ©Flyingvoice Network Technology Co.All rights reserved.
Config		
Maintenance	_	
₽ Logout	>	

Parameters	Description
Factory Setting	Set the device to factory status with one click.

Note: Do not disconnect the device from power and Internet during the process of restoring the device to the factory.

7. Reboot

User can reboot the device with one click after logging in to the web, or by short pressing the

reset button at the bottom of the device for 1 second.

Path: System -> Maintenance -> Reboot,

as shown in the following figure:

Flyingvoice	
🗠 Status 🔹 👂	System Upgrade Factory Setting Reboot
IP Config >	Reboot
⇔ WiFi >	Reboot exercise
📞 SIP >	
Management >	Copyright ©Flyingvoice Network Technology Co.All rights reserved.
🗘 System 👻	
Config	
Maintenance	
E Logout >	

Parameters	Description
Reboot	Reboot the device with one click.

Note: Do not disconnect the device from power and Internet during the process of rebooting.

Chapter3 Network Configuration

This chapter contains the following:

- WAN Port Configuration
- LAN Port Configuration
- Wireless Network Configuration
- Mesh Network Configuration

WAN Port Configuration

The device supports setting IPv4 and IPv6 address of WAN port, and user can set IP-related information manually or automatically by setting the network access method. Currently, it supports DHCP, static IP, and PPPoE.

1. Set IPv4 Address

Path: IP Config-> Internet-> IPv4

(1) DHCP mode

SR3000 built-in DHCP server assigns a dedicated IP address to each local client. The factory default DHCP mode allows the device to automatically obtain an IP address from the DHCP

server without manually assigning an IP address to the client.

Flyingvoice		
🖾 Status 🔷	IPv4	
😫 IP Config 🗸 👻	IPv4	
Internet Local Net	Access Mode	DHCP v
🛪 WiFi >	MAC Clone	Enable 🗸
SIP >	MAC Address	00:21:F2:88:F2:49
System	DNS Mode	Manual 🗸
₽ Logout >	Primary DNS	
	Secondary DNS	
		SAVE
		Copyright ©Flyingvoice Network Technology Co.All rights reserved.

Parameters	Description
Access Mode	The default mode is DHCP.
MAC Clone	Optional enable or disable MAC Clone. After enable the function, you need to fill in the MAC Address.
MAC Address	Fill in the modified MAC address as the MAC address of the WAN port.

	Optional a mode: Auto, Manual.
DNS Mode	After choosing the Manual mode, you need to fill in the Primary DNS &
	Secondary DNS.
Primary DNS	Fill in the Primary DNS.
Secondary DNS	Fill in the Secondary DNS for backup.

(2) Static IP mode

You can use this configuration when you receive a fixed public IP address or a public subnet from your Internet provider. In most cases, a cable service provider will provide a fixed public IP, while a DSL service provider will provide a public subnet. If you have a public subnet, you can assign an IP address to the WAN port.

Flyingvoice		
	IPv4	
🔤 Status >	_	
😫 IP Config 🗸 👻	IPv4	
Internet Local Net	Access Mode	Static IP 🗸
⊛ WiFi >	MAC Clone	Enable V
SIP	MAC Address	00:21:F2:88:F2:49
O System	IP Address	
₽ Logout >	Subnet Mask	
	Default Gateway	
	Primary DNS	
	Secondary DNS	
		SAVE
		Copyright ©Flyingvoice Network Technology Co.All rights reserved.

Parameters Description	
Access Mode The default mode is DHCP. Select the Static IP mode.	
MACClana	Optional enable or disable MAC Clone.
MAC Clone	After enable the function, you need to fill in the MAC Address.
MAC Address	Fill in the modified MAC address as the MAC address of the WAN port.
IP Address	Fill in the IPv4 address specified by the user.
Subnet Mask	Fill in the subnet mask of the IPv4 address.

Default Gateway	Fill in the local gateway address.
Primary DNS	Fill in the Primary DNS.
Secondary DNS	Fill in the Secondary DNS for backup.

(3) PPPoE mode

PPPoE is mostly used for DSL modem users, ISP provide information about user names,

passwords, and authentication modes, and all local users can share a PPPoE public connection

to access the Internet.

Flyingvoice		
Statuc >	IPv4	
	IPv4	
Internet	Access Mode	PPPoE V
⊛ WiFi >	MAC Clone	Enable 🗸
SIP >	MAC Address	00:21:F2:88:F2:49
System	DNS Mode	Manual ~
₽ Logout >	Primary DNS	
	Secondary DNS	
	PPPoE Account	
	PPPoE Password	
	Service Name	
	Connection Mode	Auto Connection 🗸
		SAVE
		Copyright ©Flyingvoice Network Technology Co.All rights reserved.

Parameters	Description	
Access Mode	The default mode is DHCP. Select the PPPoE mode.	
MAC Clope	Optional enable or disable MAC Clone.	
MAC CIONE	After enable the function, you need to fill in the MAC Address.	
MAC Address	Fill in the modified MAC address as the MAC address of the WAN port.	
	Optional a mode: Auto, Manual.	
DNS Mode	After choosing the Manual mode, you need to fill in the Primary DNS &	
	Secondary DNS.	
Primary DNS	Fill in the Primary DNS.	

Secondary DNS	Fill in the Secondary DNS for backup.		
PPPoE Account	Fill in the PPPoE account obtained from the ISP.		
PPPoE Password	Fill in the PPPoE password obtained from the ISP.		
Comico Nomo	Fill in the PPPoE authentication serv	ice name.	
Service Name	If it is empty, the service name is automatically detected.		
	Optional a mode: Auto Connection,	On-demand Connection, Timed	
	Connection.		
	After choosing On-demand Connection mode, you need to fill in the		
	Disconnection Waiting Time, and the device will dial the connection		
	automatically when there is access data, and if there is no data, the		
	network connection will be automatically disconnected within the set		
	time.		
Connection Mode	Connection Mode	On-demand Connection 🖌	
	Disconnection Waiting Time		
	After choosing Timed Connection mode, you need to set the Time Period,		
	and the device will dial the connection automatically within the set time		
	only.		
	Connection Mode	Timed Connection ~	
	Time Period	: (C) to: (C)	

2. View IP Information

After configuring the IP information of the WAN port, user can view it on the web status page.

Path: Status-> Information-> Network-> WAN,

Flyingvoice	e	System Network PXS		
🗠 Status	~			
Information		WAN		
Log		IPv4		
🛞 IP Config	>	Access Mode	DHCP	
🛪 WiFi	>	Access mode	bio -	
SIP	>	IP Address	192.168.50.68	
Management	5	Subnet Mask	23	
O System	>	Default Gateway	192.168.50.1	
🕒 Logout	>	Primary DNS	114.114.114.114	
		Secondary DNS	8.8.8.8	
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LAN Port Configuration

The device supports acting as a DHCP server to set the IPv4 and IPv6 address of the LAN port,

and can assign IP addresses to the terminal devices connected to the LAN ports.

1. Set IPv4 Address

Path: IP Config-> Local Network-> IPv4

· · · · · · · · · · · · · · · · · · ·		
Flyingvoice		
	IPv4	
🔤 Status >		
IP Config	Basic	
Internet	IP Address	192.168.1.1
Local Net		
🛪 WiFi >	Subnet Mask	255.255.2
SIP >		
Management >	DHCP	
🗘 System >	DHCP Server	Fnable
🕒 Logout >		
	Start IP	192.168.1.100
	End IP	192.168.1.250
	Lease Time(Sec)	86400
		0000
	Default Gateway	
	DNS Mode	
	DIVS MODE	Manual ~
	Primary DNS	
	Secondary DNS	
		SAVE
		Convident @ Elvipsurice Natural Technology Co All rights recorded
		Copyright ⊌rryingvoice vetwork technology Co.All rights reserved.

Parameters	Description	
IP Address	Fill in the local IPv4 address of the device on the LAN. The default IP is	
	192.168.1.1.	
Cubpot Mack	Fill in the subnet mask to determine the network size, the default is	
Subhet Mask	255.255.255.0.	
DHCP Server	Optional enable or disable the DHCP Server.	

	After the DHCP server is enabled, you need to fill in the DHCP start IP.
	Fill in a valid IP address as the start IP address sent by the DHCP server to
	the DHCP client.
Start IP	If the IP address of the LAN port is 192.168.1.1, the start IP address must
	be greater than or equal to 192.168.1.2 but smaller than the end IP
	address.
	After the DHCP server is enabled, you need to fill in the DHCP end IP.
End IP	Fill in a valid IP address as the end IP address sent by the DHCP server to
	the DHCP client.
	Fill in the validity period of the IP address assigned by the DHCP server to
Lease Time	the device. During this time, the server will not assign the IP address to
	other devices.
Default Gateway	Fill in the Default Gateway.
	Optional a mode: Auto, Manual.
DNS Mode	After choosing the Manual mode, you need to fill in the Primary DNS &
	Secondary DNS.
Primary DNS	Fill in the Primary DNS.
Secondary DNS	Fill in the Secondary DNS for backup.

Wireless Network Configuration

After the device is powered on and started, the wireless network (dual-band 2.4GHz & 5GHz) is

enabled by default, and is supported wireless access by the terminal devices.

After logging in to the web, user can modify the SSID, password, encryption algorithm of WiFi,

etc.

Note: The initial SSID and password are posted on the bottom of the device, user can check

them.

1. Configure 2.4G band WiFi

Path: WiFi-> 2.4G,

Flyingvoice		
🖾 Status >	Basic	
IP Config >	SSID	SR3000_88F249_2G
SwiFi 2.4G	Authorization Method	WPA2-PSK ~
5G	Password	brek
SIP	Encryption Algorithm	automatic ~
System	Network Mode	802.11b/g/n/ax 😕
E Logout >	Channel Bandwidth	40MHz ~
	Country Code	United States ~
	Wireless Channel	auto ~
		SAVE
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Parameters	Description
	Fill in the name of 2.4G band WiFi, the default is SR3000_MAC after six
2210	digits_2G.
	Optional a method: WPA-PSK, WPA2-PSK, WPA-PSK/WPAs-PSK mix mode
Authorization Method	or no encryption.Choose an appropriate authorization method to improve
	the security and privacy of your wireless data packets.

Password	Fill in the password of 2.4G band WiFi, the default is SN after eight digits.
Encryption Algorithm	Optional a Encryption Algorithm: CCMP(AES), TKIP/CCMP(AES) mixed
	mode or Auto.
	Optional network modes for 2.4G band WiFi: 802.11g、802.11b/g/n、
	802.11b/g/n/ax;
	802.11g: Support 2.4G bands only, with a maximum theoretical rate of
	54Mbps;
Network Mode	802.11b/g/n: Compatible with 802.11b, 802.11g and 802.11n, support
	2.4G and 5G bands, with a maximum theoretical rate of 600Mbps;
	802.11b/g/n/ax: Compatible with 802.11b, 802.11g, 802.11n and
	802.11ax, support 2.4G, 5G and 6G bands, with a maximum theoretical
	rate of 9607.8Mbps.
Channel Bandwidth	Bandwidth of optional 2.4G band WiFi: 20MHz, 40MHz.
	Optional the country area, and choose the local supported wireless
Country Code	channel according to the selected country.
Wireless Channel	Optional wireless channel for 2.4G band WiFi, the default is Auto.

2. Configure 5G band WiFi

Path: WiFi-> 5G,

FlyingVoic	e		
😚 Status	>	Basic	
IP Config	>	SSID	admin
WiFi	•	Password	•••••
5G		Network Mode	802.11ax ~
SIP	>	Channel Bandwidth	160MHz ~
ManagementSystem	>	Country Code	US
😚 Logout	>	Wireless Channel	auto ~

Parameters	Description
	Fill in the name of 5G band WiFi, the default is SR3000_MAC after six
סוככ	digits_5G.

	Optional a method: WPA-PSK, WPA2-PSK, WPA-PSK/WPAs-PSK mix mode
Authorization Method	or no encryption.Choose an appropriate authorization method to
	improve the security and privacy of your wireless data packets.
Password	Fill in the password of 5G band WiFi, the default is SN after eight digits.
	Optional a Encryption Algorithm: CCMP(AES), TKIP/CCMP(AES) mixed
Encryption Algorithm	mode or Auto.
	Optional network modes for 5G band WiFi: 802.11a/n, 802.11a/n/ac,
	802.11a/n/ac/ax;
	802.11a/n: Compatible with 802.11a and 802.11n, support 2.4G and 5G
	bands, with a maximum theoretical rate of 600Mbps;
Network Mode	802.11a/n/ac: Compatible with 802.11a, 802.11n and 802.11ac, support
	2.4G and 5G bands, with a maximum theoretical rate of 600Mbps;
	802.11a/n/ac/ax: Compatible with 802.11a, 802.11n, 802.11ac and
	802.11ax, support 2.4G, 5G and 6G bands, with a maximum theoretical
	rate of 9607.8Mbps.
Channel Bandwidth	Bandwidth of optional 5G band WiFi: 20MHz, 40MHz, 80MHz, 160MHz.
Country Code	Optional the country area, and choose the local supported wireless
country code	channel according to the selected country.
Wireless Channel	Optional wireless channel for 5G band WiFi, the default is Auto.

Chapter 3 Network Configuration

Mesh Network Configuration

The device supports mesh wireless networking with controller and agent router, and supports up to "1+2" combination at present. After successful network configuration, user can view the network information of controller and agent routers, and effectively expand network coverage, support roaming switching of terminal devices, applicable to enterprises, homes and other types of households.

Users can configure SR3000 through the LCD, WPS button, and web interface.

1. Mesh Networking Configuration by LCD

Note: This method is only applicable when SR3000 is used as the controller router,

as shown in the following figure:



After SR3000 is normally powered up and networked, user can slide up and down to switch the

LCD display content, if it is in the default standby page, just slide down a page,

Chapter 3 Network Configuration



Parameters	Description		
Title	Display the current page for the mesh networking setting.		
Diagram of Mesh Network	Display the diagram of the mesh networking status, in this figure, there is no mesh networking. If the mesh networking is successful, it will display the diagram of 2 or 3 devices connected.		
Number of Agent Router	Display the current number of mesh agent router, in this figure, there is no agent router to access the network.		
Button of Mesh	Trigger the mesh scanning with one click, and it will automatically		
Connection	jump to the scanning loading page.		

After user clicks Mesh connection button on LCD and presses WPS button at the bottom of agent

router, and the controller router will scan and connect automatically, then the connection result

will be displayed on LCD synchronously,

as shown in the following figure:



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Parameters	Description
Connection Successful	After normal connection, LCD will show connection successful and
	jump to Mesh page automatically after 2 seconds.
	If the connection is abnormal (e.g. the controller and agent routers are
Connection Failed	temporarily disconnected, or they are too far away to scan, etc.), LCD
Connection Failed	will display connection failed and need to manually click the Back
	button, so that user can reconnect again.

When Mesh networking is successful, it jumps to Mesh page,

as shown in the following figure:



Parameters	Description
View Button	After successful Mesh connection, user can view the status information of the
	agent router in the agent router page after clicking the button.

Agent Router Information page, as shown in the following figure:



Parameters	Description
	The maximum number of agent router in mesh network is 2.
Titlo	This figure shows that the first agent router's information page, and
The	user can swipe left and right to switch to view the information page
	of the second agent router.
Agent Route IP Address	Display the IP address of the agent router.
Agent MAC Address	Display the MAC address of the agent router.
Network Signal	Real-time display of the wireless network signal strength of the
Strength	agent router.
Return Button	One click returns to the previous Mesh page.

2. Mesh Networking Configuration by WPS Button

Note: This method is applicable to any networking method of SR3000 and SR3000-lite,

as shown in the following figure:



Any model of controller and agent router, while pressing the WPS button on the bottom of the

device, the device will automatically scan and connect.

The connection result can be viewed via LCD (SR3000 only) and LED indicator (SR3000-lite only) .

3. Mesh Networking Configuration by Web Interface

After logging in to the web, user can configure the mesh networking and view the network

topology and network status information of the controller and agent routers in the web page.

It is not currently supported, please look forward to it.

Chapter 4 Function Configuration

This chapter contains the following:

- FXS Port Configuration
- Log Setting and View
- Management Configuration

FXS Port Configuration

The device integrates 1 FXS port and supports registration of 1 SIP account, which can be externally connected to the analog phone, fax machine, fire/burglar alarm panel to send down the account to realize analog line to IP call.

Note: This feature is only supported by SR3000.

1. SIP Account Registration

Path: SIP->Registration Setting,

Flyingvoic	e	Registration Setting Account	Setting	
🗠 Status	,	Registration Setting		
IP Config	>	SIP Server	192.168.10.2	
ର WiFi	>	SIP Server Port	5060	
Account		Outbound Proxy Server1		
Management System	>	Outbound Proxy Server1 Port	5060	
Cogout	>	Outbound Proxy Server2		
		Outbound Proxy Server2 Port	5060	
		Transport Protocol	UDP ~	
		Register Refresh Interval	120	
				SAVE
				Copyright ©Flyingvoice Network Technology Co.All rights reserved.

Parameters	Description
	Fill in the domain name or IP address of the SIP server where
SIP Server	the account is registered.
CID Conver Dort	Fill in the port number of the VoIP service supported by the SIP
SIP Server Port	server, the default is 5060.
Outbound Proxy Server1	Fill in the domain name or IP address of the outbound server.

Outhound Drove Convert Port	Fill in the port number of the outbound server, , the default is
Outbound Proxy Server i Port	5060.
Outbound Drowy Convor?	Fill in the domain name or IP address of the backup outbound
	server.
Outhound Drowy Sonyor2 Port	Fill in the port number of the backup outbound server, , the
	default is 5060.
Transport Protocol	Optional SIP message transmission type: UDP, TCP.
Pagistar Defrech Interval	Fill in the refresh interval time of account registration, the
Register Refresh Intervat	default is 120 seconds.

Path: SIP->Account Setting,

as shown in the following figure:

Flyingvoice				
🖾 Status >	Registration Setting Acco	ount Setting		
IP Config >	Account Setting			
⊛ WiFi →	Display Name	1002		
Account	Phone Number	1002		
Management >	Account	1002		
♀ System > ▶ Logout >	Password		here	
				SAVE
				Copyright ©Flyingvoice Network Technology Co.All rights reserved.

Parameters	Description
Display Name	Fill in the customized account name displayed on the LCD of analog phone.
Phone Number	Fill in the extension number provided by the SIP server.
Account	Fill in the SIP account name provided by the SIP server.
Password	Fill in the SIP account password provided by the SIP server.

2. View the Registration Information

After the account is registered, user can view the registration information on the web page.

Chapter 4 Function Configuration

Path: Status-> Information-> FXS,

Flyingvoice	System Network FXS		
🖭 Status 🗸 🗸			
Information	FXS Status		
Log	Port Status	Idle	
IP Config >	Hook Status	On	
😞 WiFi 🔰 >			
📞 SIP 🔷 >	SIP Account		
Management >	Registration Status	Registered	
🗘 System >	Primary Server	192.168.10.2	
🕞 Logout 🔹 >	Backup Server		
	Backup Proxy Server		
			Copyright ©Flyingvoice Network Technology Co.All rights reserved.

Parameters	Description
Port Status	Display whether the FXS port is in Connected or Idle.
Hook Status	Dispaly whether the call status of FXS port is in the offhook or hang up state.
Registration Status	Display whether the SIP account is successfully registered.
Primary Server	If the SIP account is successfully registered, the domain name or IP address of the registration SIP server is displayed.
Backup Server	If the SIP account is successfully registered, the domain name or IP address of the Outbound Proxy Server1 is displayed.
Backup Proxy Server	If the SIP account is successfully registered, the domain name or IP address of the Outbound Proxy Server2 is displayed.

Log Setting and View

The device supports setting and viewing local and remote system logs.

1. Log Setting

Path: System-> Config-> Log Setting,

Flyingvoice	Language Time Login Setting Loging
🗠 Status >	Langouge mine cogin octaing cogging
IP Config >	Syslog
⊗ WiFi →	Syslog Level Debug ~
Management >	Remote Syslog Enable Disable ~
System Config	Remote Syslog Server 0.0.0.0
Maintenance	Remote Syslog Port 514
🗜 Logout >	Remote Protocol
	SAVE
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Description
DescriptionOptional different levels of syslog output: Debug, INFO, Notice, Warning, Error, Critical, Alert, Emergency. Debug: Record all diagnostic debugging information. INFO: Record all normal operation information. Notice: Record the normal operation of the information, more important information than INFO. Warning: Record warning information, indicating the existence of some abnormalities or potential problems. Error: Record the error information in the program, indicating that
Error: Record the error information in the program, indicating that there has been an unrecoverable error in the execution of the program. Critical: Record urgent information that a program component is unavailable, indicating that it needs to be fixed immediately. Alert: The degree of urgency is lower than Emergency, the current system is still available, but also need to be dealt with immediately. Emergency: The most serious level of logging, may lead to system

Remote Syslog Enable	Optional whether to enable the remote syslog function.
Remote Syslog Server	After the remote syslog is enable, fill in the remote logging server
Kemble Systog Server	domain name or IP address.
Domoto Syclog Dort	After the remote syslog is enable, fill in the remote logging server
Remote Systog Port	port number.
Remote Protocol	Optional remote data transmission type: UDP, TCP.

Note: After log Settings are modified, restart the system to take effect.

2. View the Log

After user enable the log function, it supports to view, refresh, clear and save the system log

content, and also supports to view the exception log content.

Note: When the system log capacity reaches 64k, the system will automatically clear the log.

(1) View the System Log

Path: Status-> Log-> System Log,

as shown in the following figure:

Flyingvoice	е		
		System Log	
🖭 Status	•		
Information		Refresh Clear Save	
Log			
	_	Manufacturer:FLYINGVOICE ProductClass:SRW6	-
IP Config	>	SerialNumber:SR30000708 BuildTime:202404191824	
🔿 WiFi	>	IP:0.0.0.0 HWVer:V2.1	
		SWVer:V0.2.10 heck ip change]	
C SIP	>	Apr 28 08:33:18 SR3000 kem.debug tr069[7103]: Destroy scheduler, sid is 0 name is [check_ip_change] Apr 28 08:33:28 SR3000 kem.debug tr069[7103]: Get server(acs1.flyingvoice.net:3478) address information failed: Try again!	
Management	>	Apr 28 08:33:28 SR3000 kem.debug tr069[7103]: nat detect session fail! to start again after 10s. Apr 28 08:33:28 SR3000 kem.err tr069[7103]: Periodic inform, retry count = 100	
		Apr 28 08:33:28 SR3000 kem.debug tr069[7103]: Destroy scheduler, sid is 0 name is [check ip_change] Apr 28 08:33:33 SR3000 kem.debug tr069[7103]: Destroy scheduler, sid is 0 name is [check ip_change]	
System	>	Apr 28 08:33:43 SR3000 kem.debug tr069[7103]: Get server(acs1.flyingvoice.net:3478) address information failed: Try again! Apr 28 08:33:43 SR3000 kem.debug tr069[7103]: nat detect session fail! to start again after 10s.	
E Logout	>	Apr 28 08:33:43 SR3000 kem.err tr069[7103]: Periodic inform, retry count = 100 Apr 28 08:33:43 SR3000 kem.debug tr069[7103]: Destroy scheduler, sid is 0 name is [check ip change]	
		Apr 28 08:33:48 SR3000 kem.debug tr069[7103]: Destroy scheduler, sid is 0 name is [check ip change] Apr 28 08:33:57 SR3000 kem.warn ipphone[7949]: Chi[0] Registing Toxip:1002@192.168.10.2	
		Apr 28 08:33:57 SR3000 kern.err ipphone[7949]: Ch[0] Register Send Fail -10 Apr 28 08:33:57 SR3000 kern info inphone[7949]: Reg terminated eReason=0	
		Apr 28 08:33:57 SR3000 kem.err ipphone[7949]: Ch[0] Register Terminate(0), 54s later retry Apr 28 08:32:58 SR3000 kem.etr (56[710]): Get sense(sct 1 twinguoice net:2478) address information failed: Try again	
		Apr 28 08:33:58 SR3000 kem.debug tr069[7103]: nat detect session fail! to start again after 10s.	
		Apr 26 08:33:56 SR3000 kem.debug tr069[7103]: Periodic Inform, redy Court = 100 Apr 26 08:33:56 SR3000 kem.debug tr069[7103]: Destroy scheduler, sid is 0 name is [check ip change]	
		Apr 28 08:34:03 Sk3000 kem.debug tr069[7103]: Destroy scheduler, sid is 0 hame is [check ip change] Apr 28 08:34:13 Sk3000 kem.debug tr069[7103]: Get server(acs1.ffyingvoice.net:3478) address information failed: Try again!	
		Apr 20 00:34:13 SR3000 kem.erf.1069[7103]: Pariodic inform, retry count = 100	
			$Copyright \ {\tt O} \ {\rmFlyingvoice} \ Network \ Technology \ Co.All \ rights \ reserved.$

User can refresh the system log, clear all log contents, and save the log file locally with one click.

(2) View the Exception Log

Chapter 4 Function Configuration

Path: Status-> Log-> Exception Log,

as shown in the following figure:

FlyingVoic	e	
		System Log Exception Log
😚 Status	~	Petroch Sue
Information		Nerresri Save
Log	_	
📦 IP Config	>	
😚 WiFi	>	
SIP	>	
😚 Management	>	
😚 System	>	
😚 Logout	>	

User can refresh the exception log and save the exception log locally with one click.

Management Configuration

The device supports management configuration, including Telnet setting, Provision

configuration.

1. Telnet Setting

It supports remote devices to access the local device by telnet command.

Path: Management -> Telnet,

Flyingvoice				
📴 Status	, i	Telnet		
IP Config	8	Telnet Enable	Enable ~	
SIP		Telnet Port	23	
Management	2	User Name	admin	
Provision		Password		
System				
E Logout	>			SAVE
				$Copyright \ {\mathbb G} \to Flyingvoice \ Network \ Technology \ Co.All \ rights \ reserved.$

Parameters	Description	
Remote Telnet	Optional whether to enable the remote telnet function.	
Telnet Port	After telnet is enable, fill in the port number used for telnet to the device, the default is 23.	
Allowed IP	After telnet is enable, fill in the IP address of the remote devices that allow remote telnet access.	
Hostname	After telnet is enable, fill in the host name of the device. The default is model of the device, such as SR3000.	
User Name	Fill in the username for logging in to the Telnet remotely.	
Password	Fill in the password for logging in to the Telnet remotely.	

Chapter 4 Function Configuration

2. Provision Configuration

Provision configuration supports 3 implementations: TFTP (supports option 66), HTTP and HTTPS. It also supports remote deployment, user only needs to set the value of the profile rule and recync parameter, the device automatically re-synchronize the remote TFTP / HTTP / HTTPS server.

Path: Management -> Provision,

Flyingvoice		
🔤 Status 🛛 >	Provision	
IP Config >	Configuration Profile	
⊗ WiFi >	Provision Enable	Disable 👻
🗵 Management 👻	Resync Random Delay(sec)	40
Telnet Provision	Resync Periodic(sec)	0
System	Resync Error Retry Delay(sec)	3600
	Forced Resync Delay(sec)	14400
	Resync after Upgrade	Enable ~
	Resync from SIP	Disable 👻
	Option66	Enable ~
	Option67	Disable 👻
	Config File Name	\$(MA)
	User Agent	
	User Name	admin
	User Password	3m ⁴
	Profile Rule	http://prv1.flyingvoice.net:69/config/\$(MA)?mac=\$(MA)&serial=\$(SN)&thw
	Firmware Upgrade	
	Enable Upgrade	Disable 👻
	Upgrade Error Retry Delay(sec)	0
	Upgrade Rule	
		SAVE
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Parameters	Description
Provision Enable	Optional whether to enable the provision function.

	Fill in the maximum delay time for requesting synchronized files, default
	40 seconds.
	A random value is generated in the interval from 0 to 40 seconds, and the
Resync Random	device waits for this value for the interval before requesting the provision
Delay(sec)	server.
	When 0 is filled in, it means that the feature is disabled as a way to
	prevent a large number of devices from sending too many server requests
	at the same time.
Resync	Fill in the cycle time for the device to automatically re-synchronize with
Periodic(sec)	the server, default 3600 seconds.
Resync Error	Fill in the interval to re-synchronize again after a synchronization error,
Retry Delay(sec)	default 3600 seconds.
	Fill in the forced synchronization time, if the device is in a busy state, such
Forced Resync	as a call at the specified re-synchronization time, server synchronization
Delay(sec)	is not possible, then define this interval to guarantee that the device is
	forced to re-synchronize after being idle, default 14400 seconds.
Resync after	Optional whether to trigger the re-synchronization function after each
Upgrade	firmware upgrade.
Resync From SIP	Optional whether to enable re-synchronization from SIP.
Option 66	Whether to allow enabling DHCP option 66.
Option 67	Whether to allow enabling DHCP option 67.
Config File Name	Fill in the configuration file name.
User Agent	Fill in the name of the user agent.
User Name	Fill in the username required for HTTP authentication.
Password	Fill in the password required for HTTP authentication.
	Fill in the path url of the configuration file to complete the synchronization
Profile Rule	command, the command is a TCP/IP operation and an associated URL, the
	TCP/IP operation can be TFTP, HTTP or HTTPS.
Enable Upgrade	Optional whether to upgrade the firmware on re-synchronization.
Upgrade Error	Fill in the retry interval after upgrade failure, when the upgrade fails, the
	system starts timing from the set value, and automatically re-upgrades
	after decreasing to 0. The default is 3600 seconds.
Upgrade Rule	Fill in the path where the upgrade firmware file is located under the server.