

A blue grid pattern covers the top half of the page, fading into a white background.

[iRing Complete VoIP Solution]

[Quick Installation Guide]

[iRingTel Pte. Ltd.]

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Summary

This iRing Complete VoIP Solution Quick Installation Guide will introduce the basic configuration and how to use this complete solutions

Please go through this document carefully and follow the instruction step by step.

Quick Installation Guide will let you know from how to register an iRing account to install the system, after you done all the steps, you can making or receiving calls and setup up to 100 extensions. If you need more advance features, please go to <http://www.iringtel.com> and download the iRing Complete VoIP Solution user manual, or call us for remote technical support!

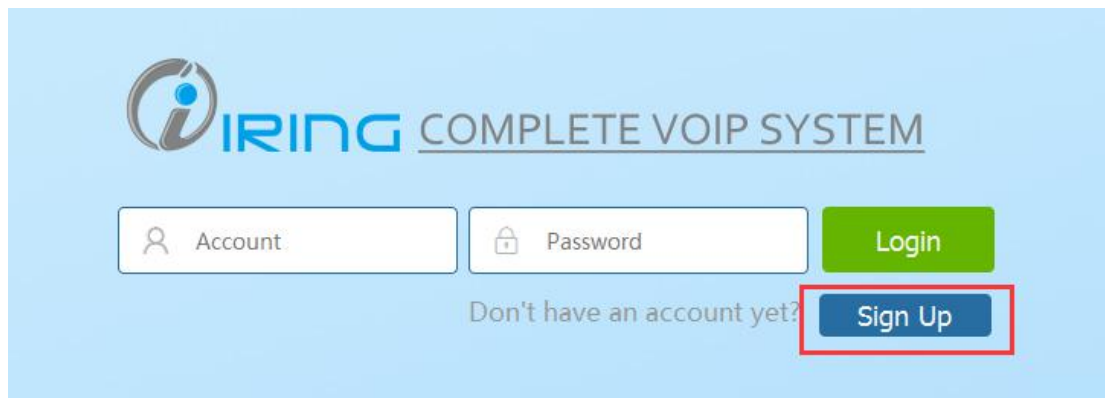
1. Registration / Login and services

1.1. Register an iRing account

To use services of iRingTel, you need to get an iRing account first. (If you already got an iRing account, please go to 1.2. Services directly)

Registration Address: <http://www.iringtel.com/ServicesPlatform>

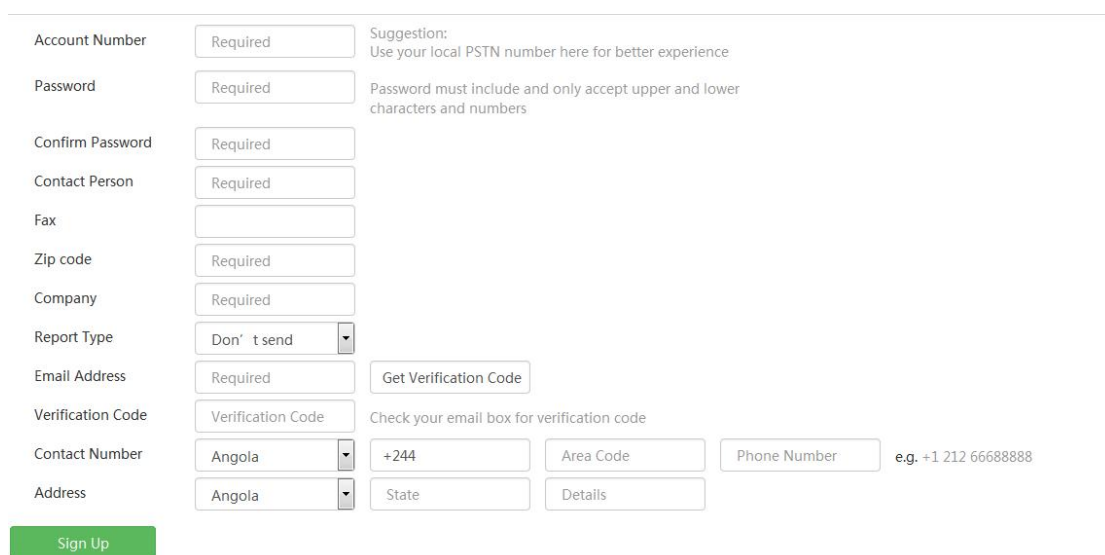
Images 1.1-1: Interface of Registration / Login



The image shows the iRing COMPLETE VOIP SYSTEM login and registration interface. It features a light blue background with the iRing logo and the text "iRING COMPLETE VOIP SYSTEM". Below the logo, there are two input fields: "Account" (with a person icon) and "Password" (with a lock icon). To the right of these fields is a green "Login" button. Below the "Account" field, there is a link that says "Don't have an account yet?". To the right of this link is a blue "Sign Up" button, which is highlighted with a red rectangular border.

Please click “Sign Up” to go to the interface of Registration

Images 1.1-2: Interface of Registration



The image shows the iRing registration form. It is a table-like structure with various fields for user information. The fields are as follows:

Account Number	Required	Suggestion: Use your local PSTN number here for better experience.		
Password	Required	Password must include and only accept upper and lower characters and numbers		
Confirm Password	Required			
Contact Person	Required			
Fax				
Zip code	Required			
Company	Required			
Report Type	Don't send			
Email Address	Required	Get Verification Code		
Verification Code	Verification Code	Check your email box for verification code		
Contact Number	Angola	+244	Area Code	Phone Number e.g. +1 212 6668888
Address	Angola	State	Details	

At the bottom left of the form, there is a green "Sign Up" button.

Please complete all information showed in Images 1.1-2

Notes:

- A. Password must and only include lower/upper characters and numbers
- B. After submitting your email address, please click “Get Verification Code” and then verification code will auto send to the email. And the only thing you need to do is checking your email, filling in Verification Code
- C. Please make sure all data you supplied are complete and true, so that iRing will support you for your needs
- D. An email/phone number for an iRing account. iRing do not support multiple registration based on same email/phone number. If you meet such a thing please get in touch with us

After filling all blanks, you just click “Sign Up” and get your iRing account. Meanwhile, 1 dollar is auto added into your account for free international call credits.

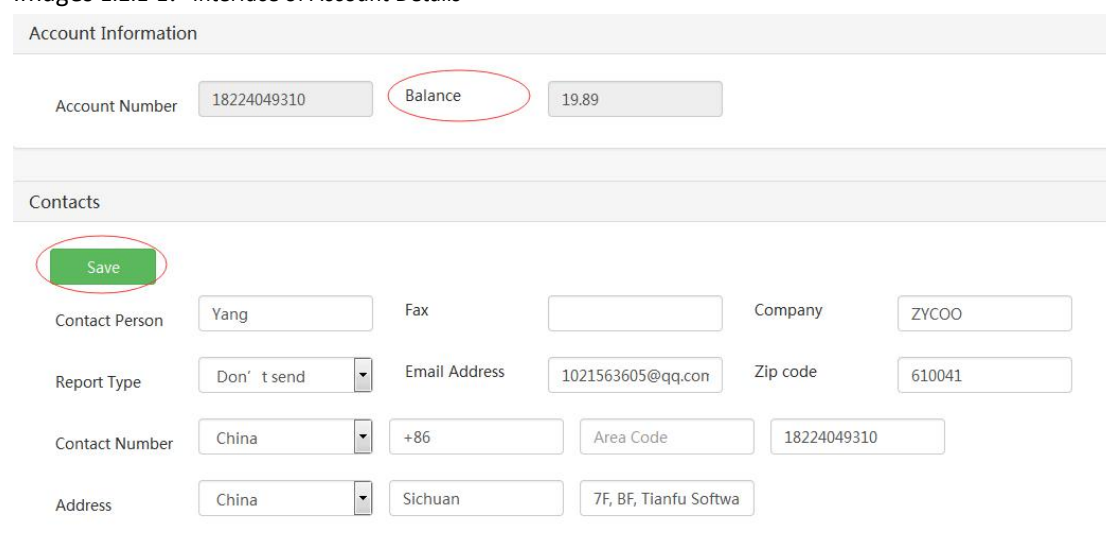
1.2. Service

The account and password for iRing is also used for your SIP Trunk to connect iRing on the condition that you already have owned VoIP equipment. If there is no VoIP equipment for your current communication, just feel free to subscribe iRing’s complete VoIP system or download the softphone, such as CooCall designed by iRing, for your VoIP experiences. iRing focus on providing you one-stop complete VoIP solutions, contributing to offering you the best possible VoIP experiences forever.

1.2.1. Account Details

Log in iRing self-platform with your iRing account and own password, you are allowed to change personal data and the account balance are also showed in the account home page.

Images 1.2.1-1: Interface of Account Details



Account Information			
Account Number	18224049310	Balance	19.89

Contacts			
<div>Save</div>			
Contact Person	Yang	Fax	
		Company	ZYCOO
Report Type	Don't send	Email Address	1021563605@qq.com
		Zip code	610041
Contact Number	China	+86	Area Code 18224049310
Address	China	Sichuan	7F, BF, Tianfu Softwa

1.2.2. Account Query

You can get your Consumption Record, CDR Query and CDR Report in the interface of Account Query.

1.2.2.1. Consumption Record

Go to Consumption Record

Select the period at your preference, such as from 2016-12-1 to 2016-12-12, you can easily get your duration and call charges for every calling (Shown in Images 1.2.2.2-1).

Images 1.2.2.1-1: Interface of Consumption Record

Consumption Record

Begin Time: 2016-12-01 End Time: 2016-12-15

Search

Displaying 10 Records

Date	Duration	Call Charges
No Data to Display		

0 - 0 of 0

Home Page Previous Next End Page

1.2.2.2. CDR Query

Go to CDR Query

Select the period at your preference, such as from 2016-12-1 to 2016-12-31, or maybe entry the called number so you are able to get all CDR records (Shown in Images 1.2.2.2-1).

Images 1.2.2.2-1: Interface of CDR Query

CDR Query

Begin Time: 2016-12-01 End Time: 2016-12-15

Calling Number: Calling Number Called Number: Called Number

Search

Displaying 10 Records

Calling Number	Called Number	Begin Time	Duration (Seconds)	Call Charges
No Data to Display				

0 - 0 of 0

Home Page Previous Next End Page

1.2.2.3 CDR Report

Go to CDR Report

Select the period at your preference, such as from 2016-12-1 to 2016-12-12 (Shown in Images 1.2.2.3-1).

Images 1.2.2.3-1: Interface of CDR Report

CDR Report

Begin Time: 2016-12-01 End Time: 2016-12-15

Search

Account Service Bill

Account Number	Account Balance	Total Cost	Package Remaining Amount	Billing Cycle	Expire Time	Total Calls	Duration	Package Remaining Free Time
----------------	-----------------	------------	--------------------------	---------------	-------------	-------------	----------	-----------------------------

Calls Details

Items	Amount(USD)	Duration(Seconds)	Number
-------	-------------	-------------------	--------

No Data to Display

1.2.3. Rates Table

Go to Rates Table

Rates table includes all international calling rates. Therefore just enter specified country (For example: Hong Kong) in Search field, then you can view details.

Images 1.2.3-1: Interface of Rates Table

Rates Table

Displaying 10 Records

Search

Rate Prefix	Area Code	Rate Type	Area Name	Billing Rate	Billing Cycle(Seconds)
	418607840	International Calls	Switzerland	0.25	60
	41860779	International Calls	Switzerland	0.2	60
	22793009	International Calls	Niger	0.42	60
	9681505	International Calls	Oman	0.4	60
	4186078	International Calls	Switzerland	0.4	60
	3729008	International Calls	Estonia	10.5	60
	3712726	International Calls	Latvia	0.4	60
	1246777	International Calls	Barbados	0.35	60
	1246776	International Calls	Barbados	5	60
	599416	International Calls	Netherland Antilles	0.25	60

From 1 -10 /total 640 records

Home Page Previous 1 2 3 4 5 ... 64 Next End Page

1.2.4. Package Query

Go to “Subscribe Package” “Remaining Package” “Unsubscribe Package”, you have the ability to manage your packages.

For example: Interface of Subscribe Package (Shown in Images1.2.4-1):

Images 1.2.4-1: Interface of Subscribe Package

Package Name	Subscription Unit	Subscription Cycle	Amount(USD)	Minimum Consumption	Package Free Amount(USD)	Note	Actions
Entry	1	Month	10.00	0.00	10.00		View Details Subscribe
Plus	1	Month	35.00	0.00	35.00		View Details Subscribe
Advance	1	Month	45.00	0.00	45.00		View Details Subscribe

From 1 -3 /total 3 records

Previous 1 Next

Package Free Time

Begin Time	End Time	Rate Prefix	Free Time Balance	Note
No Data to Display				

Click “View Details” for package free time, and also “Subscribe” for ordering packages.

iRing will update packages in consistently for market demand. Absolutely, iRing make an effort to provide low-cost international calling rates even totally free for some countries.

1.2.5. Payment

1.2.5.1. Top-up

Go to Top-up

Images 1.2.5.1-1: Interface of Top-up

Call Credits	Amount
100	\$ 100
230	\$ 200
400	\$ 350
600	\$ 500
950	\$ 800
1200	\$ 1000

Buy Now

Choosing the amount at your preference and clicking “ Buy Now” (Shown in Images 1.2.5.1-1), you just need to follow instructions and complete top-up. The credits will auto added into your account in 3-5 minutes.

Recently, iRing only support Paypal payment. Paypal is a worldwide online payments system that open to all credits card and also support debit cards. Make sure your deposits security by Paypal!

1.2.5.2. Payment Record

Go to Payment Record

Select the period at your preference, such as from 2016-12-1 to 2016-12-12, then you can view all details in this period (Shown in Images 1.2.2.2-1).

Images 1.2.5.2-1: Interface of Payment Record

Payment Record

Begin Time 2016-12-01 End Time 2016-12-15 Date interval can not be greater than 3 months

Search

Displaying 10 Records Search

Account Name	Top-up Amount(USD)	Type	Mode	Account Balance(USD)	Payment Time
No Data to Display					

0 - 0 of 0

Home Page Previous Next End Page

1.2.6. Change Password

Go to Change Password (Shown in Images 1.2.6-1)

Images 1.2.6-1: Interface of Change Password

Save Cancel

Primary Password Old Password

New Password New Password

Confirm Password Comfirm Password

Enter your Primary Password and New Password, then click Save, new password will take effect instantly. We kindly remind you that update your iRing SIP Trunk information after changing

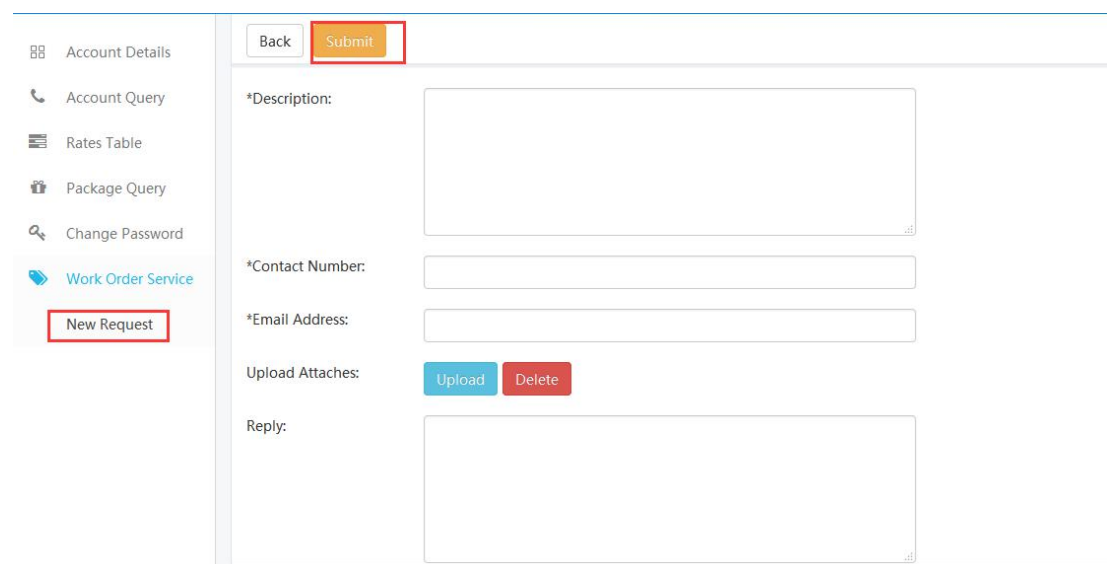
password. (See more details in the following items)

1.2.7. Work Order Service

iRing support friendly work order service in order to feedback all troubles you will meet.

Go to Work Order Service (Shown in Images 1.2.7-1).

Images 1.2.7-1: Interface of New Work Order



The screenshot displays the 'Work Order Service' interface. On the left is a sidebar menu with options: Account Details, Account Query, Rates Table, Package Query, Change Password, Work Order Service (highlighted), and New Request (highlighted with a red box). The main content area has a top bar with 'Back' and 'Submit' buttons (the 'Submit' button is highlighted with a red box). Below this are form fields: '*Description:' with a large text area, '*Contact Number:' with a text input, and '*Email Address:' with a text input. There is an 'Upload Attachments:' section with 'Upload' and 'Delete' buttons. At the bottom is a 'Reply:' section with a large text area.

Fill in all required details and click “Submit” to feedback your issues. Absolutely, we welcome customers upload related screen shot or more further information as for troubles. We will give you reply as soon as receiving your message.

If there are any urgent issues, please feel free to make a calling.

Now that you can access to powerful complete VoIP solutions supported by iRing based on your current VoIP equipment. At the same time, you are able to call 180+ countries/cities real phone numbers and get Global Virtual Office to expand your business.

More details as for Global Virtual Office please contact us.

Please follow the next contents, which enable you to know how to configure your iRing complete VoIP solutions. We are always welcoming your calling for any complete VoIP solution needs.

2. Installation/Configuration of System

These are the instructions for setting up iRing complete VoIP system. Please refer to the illustration and follow the simple steps below to quickly install your system.

2.1. Safety Notice

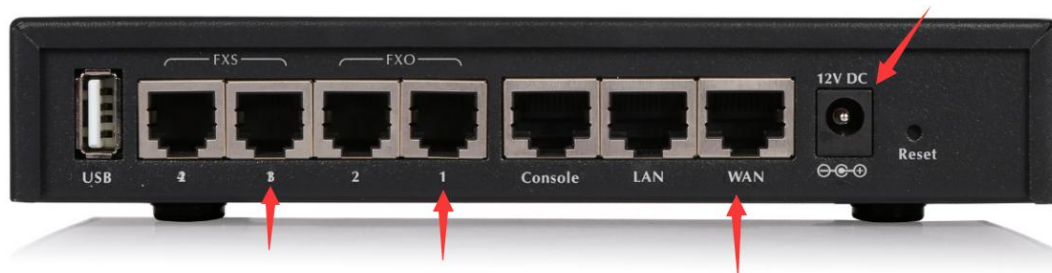
Notes: To avoid any device damage and bodily injury by improper use, please observe the following rules.

- A. Keep the power off during the installation. Use only the power adapter provided with iRing IP-PBX.
- B. Make sure that the supply voltage matches the specifications.
- C. To avoid the electric accident, do not open or remove the cover of IP-PBX when it is working as well as off the power.
- D. Before cleaning the device, cut off the power supply. Do not clean it by the waterish cloth, and never use any other liquid cleaning method.

2.2. Plug Cable

Please refer to the physical connection (Equipment shown in Images 2.2-1)

Images 2.2-1:



iRing S40/80

WAN Port: Connect company router and the Internet

LAN Port: Connect local area network

FXO Port: Available for interacting with old telephone service system

FXS Port: Available for delivering the analogy line, making your analogy phone equipped with complete VoIP solutions

Please check the equipment in good condition after receiving products. And then connect a computer and the iRing device in the same network.

Because every company may use different network, so here we only introduce how to quickly

install your complete VoIP system based on DHCP network. If you are using static IP or multiple network architecture, please contact us for free remote technology support. Meanwhile we also offer home deployment equipment service for value.

iRing recommend you to put the complete distribution static IP in the first place, which make you easily manage your equipment as well as maintenance.

After plug in the power cord

- A. Connect iRing S40/80 with company network switch by WAN port
- B. Connect iRing S40/80 with a computer by internet cable
- C. Connect IP Phone with company network switch by WAN port

iRing S40/80 and IP Phones can plug different switch. Please make sure all equipment in the same network in order to well communication.

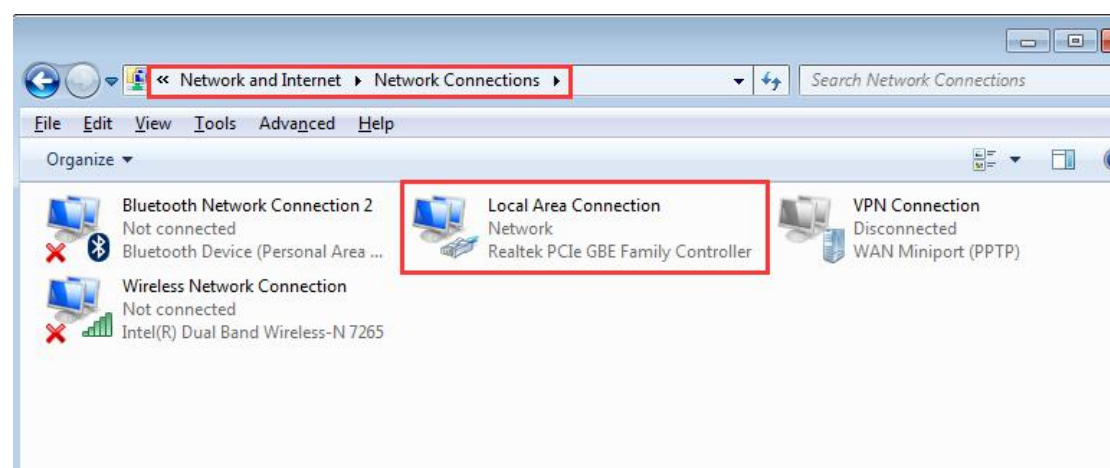
Connect iRing S40/80 LAN port with computer directly for initial configuration only. No need to connect LAN port after install equipment well.

2.3. Configuration System

2.3.1. Login In to Management Panel

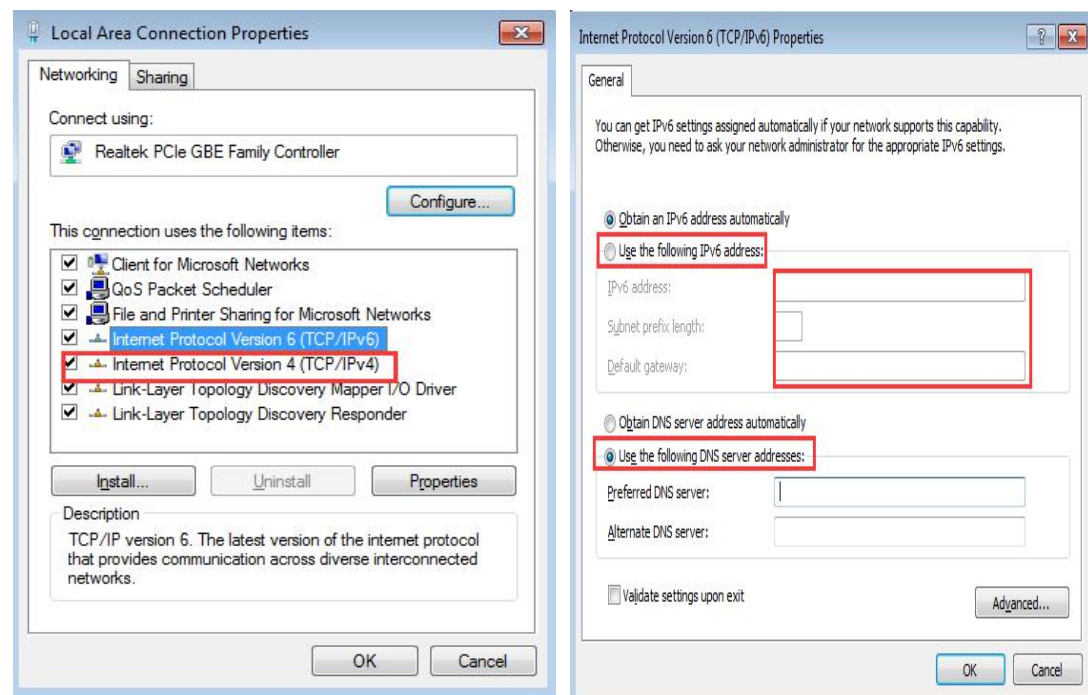
- A. Set your IP address on Control Panel->Network and Internet->Network Connections (Shown in Images 2.3.1-1)

Images 2.3.1-1:



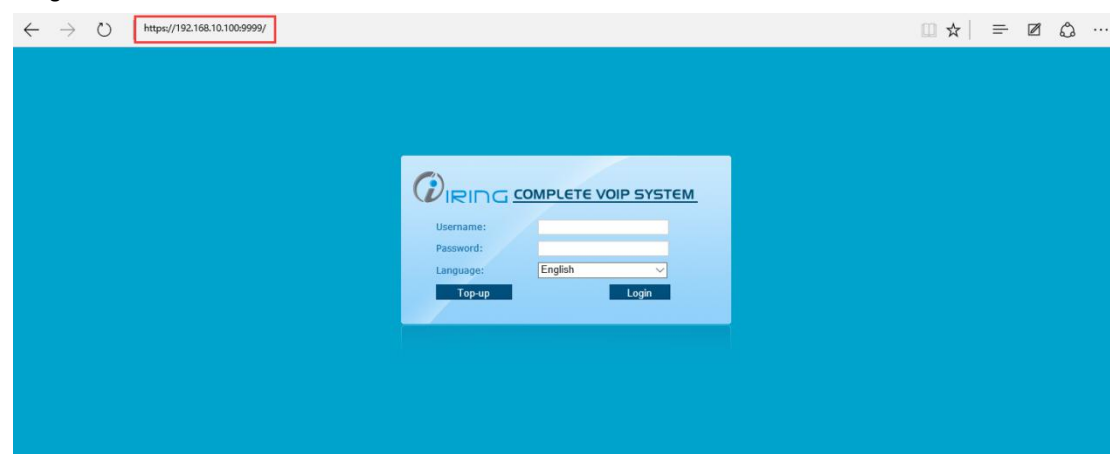
- B. Move to Ethernet option and press the right mouse button, go to the interface of attribute, then select TCP/IPv4 to let your iRing device connect to the internet
- C. Refer to the following instructions to fill the form and click "Save" then close the window (Shown in Images 2.3.1-2)

Images 2.3.1-2:



D. Open a web browser and enter the default address of WAN port <https://192.168.10.100:999/> of the iRing device into the URL address box. Then you are allowed to go to iRing S40/80 complete VoIP System platform to configure related details. You may change the system prompts to your language. Here all operations based on English (Shown in Images 2.3.1-3)

Images 2.3.1-3:



E. Now you can login to your iRing device already

Default user name: admin

Default password: admin

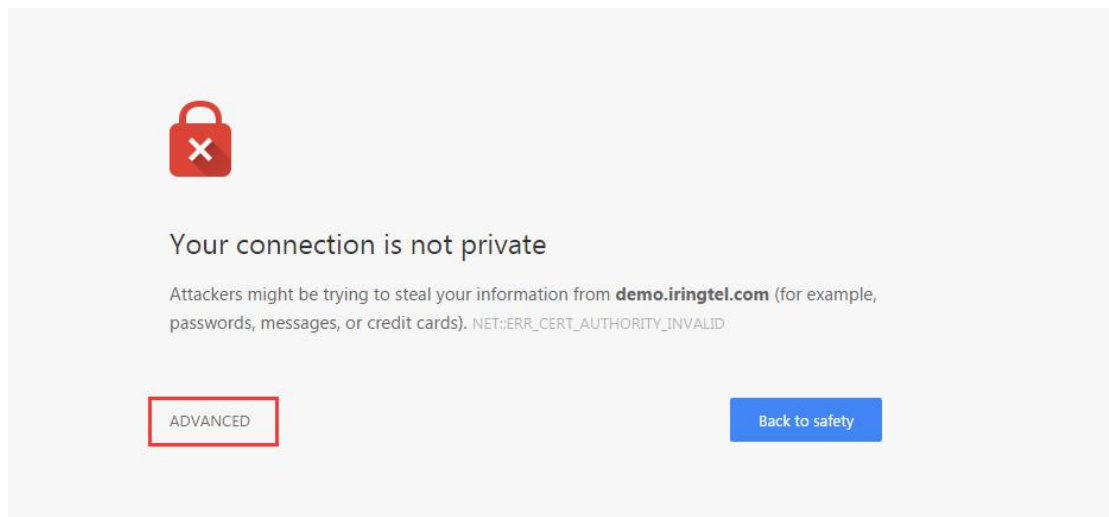
You need to change your password immediately for your security after your first login!

Notes:

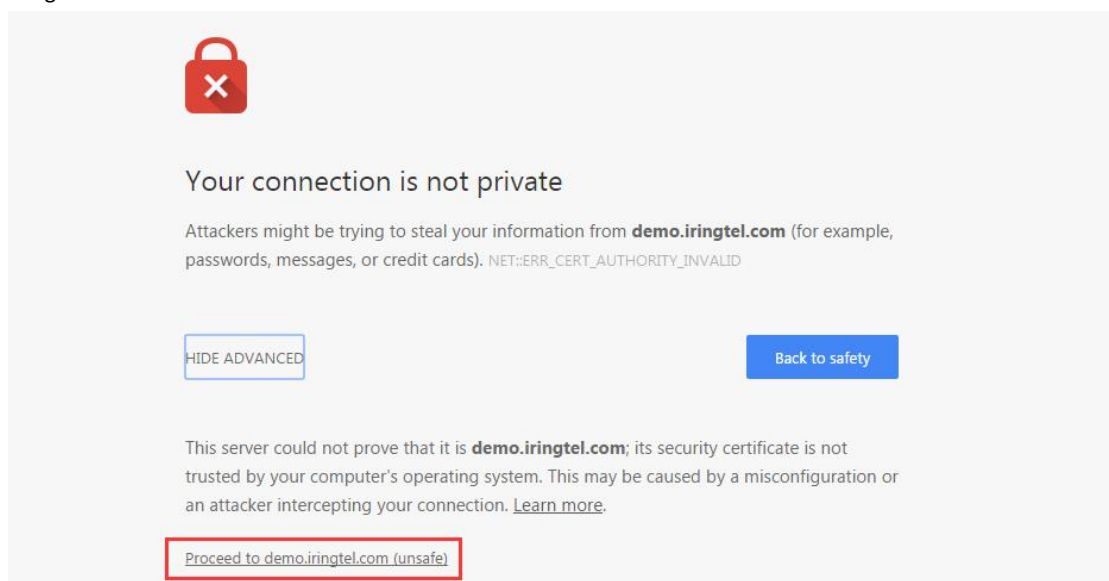
You may be required to confirm the link security based on different web browser. Here are the example of Google Chrome.

Please click “Advance” and follow the instructions to go to your iRing device platform (Shown in Images 2.3.1-4; Images 2.3.1-5)

Images 2.3.1-4:



Images 2.3.1-5:



2.3.2. Configure Your Network Environment

Shown in Images 2.3.2-1. After you log in your device , you need to setup your VoIP account. Click Network Settings->Network page.

Images 2.3.2-1:

Network

WAN Port Setup

IP Assign: Static

IP Address: 192.168.1.8

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.253

Primary DNS: 114.114.114.114

Alternative DNS: 4.4.4.4

LAN Port Setup

IP Address: 192.168.10.100

Subnet Mask: 255.255.255.0

IP AddressV1:

Subnet MaskV1:

IP AddressV2:

Subnet MaskV2:

Save Cancel

IP address: Use this field to set a static IP address on this device's LAN port.

Here IP address is 192.168.1.8.

Set “IP Assign” to “Static” and click “Save”, then your device’s IP address will be shown in the second line. Please remember this IP address, which applied for extension registration as well as routes setting.

About activation: Some configurations take in effect after clicking “Save” as well as “Activate” (Shown in Images 2.3.3-2)

Images 2.3.2-2:

iIRING

Settings changed! Please Click on Activate Changes to make modifications effective!

Activate Changes Logout

VoIP Trunks

VoIP Trunks FXO Trunks

List of Trunks

Provider Name	Type	Hostname/IP	Username	Options
---------------	------	-------------	----------	---------

Move the mouse over a field to see tooltips

2.3.3. Bind Static IP

Owing to the static IP assign rule based on DHPC, the IP address may happen to change so that

the whole system do not work. It is strongly suggest that users who using static IP assign rule based on DHCP bind static IP!

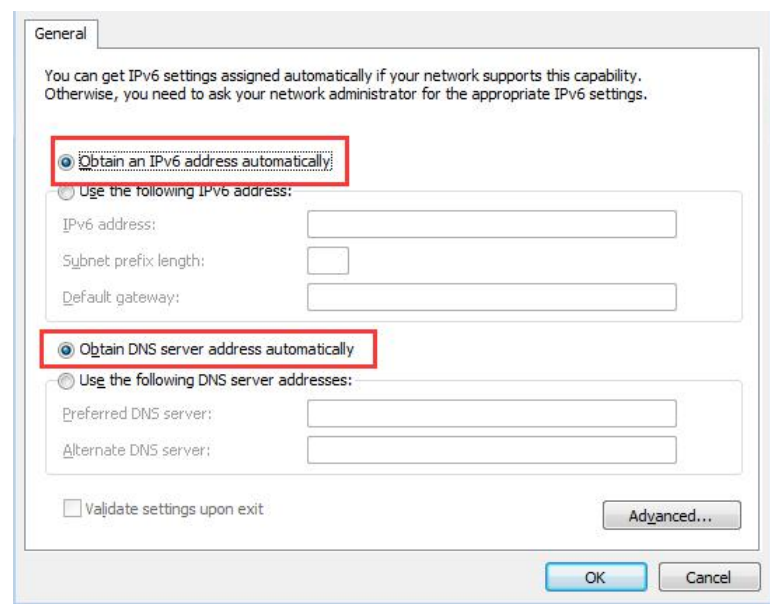
Router brand models are different. Here is just an example as for how to bind static IP.

Go to the interface of router setting, click Advance-> DHCP Static IP Assign (or similar options) to the Bind Static IP page. Add iRing S40/80 MAC address and the IP address you get from Network page to the list, then click "One Key Bind". The IP address will be static forever. We will kindly inform you that stable IP environment enables complete VoIP system working well!

The details of configuration are varied please refer to your router specification.

Connect cable from iRing S40/80 LAN port to switchboard after binding static IP. Then you need to back to the Management Panel to configure your network environment once again. Here please click "Auto Obtain IP Address" to configure your network environment (Shown in Images 2.3.3-1).

Images 2.3.3-1:



Now only one thing you need to do is connect your PC to company local area network. Then login to the "iRing S40/80 Complete VoIP System" through the new IP address you get from WAN port (Here is 192.168.1.8).

Open a browser and enter <https://192.168.1.8:9999> to login to the iRing S40/80 Complete VoIP System.

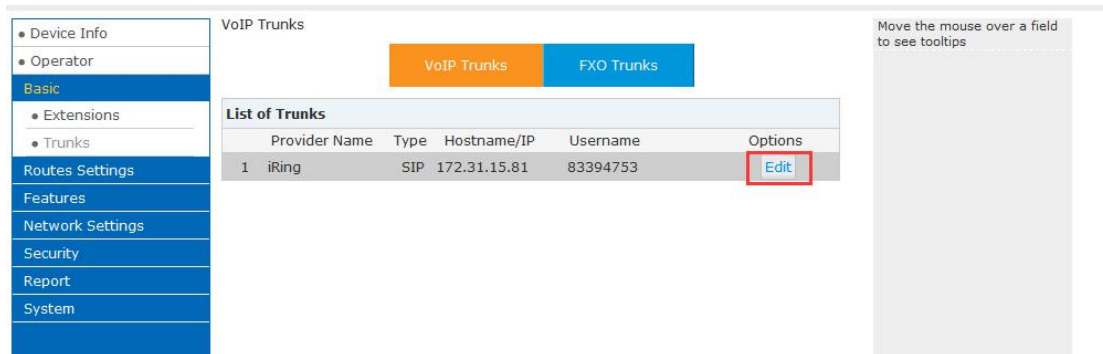
2.3.4. Configure Outbound Trunk

Using your iRing Account/Password to login to iRing Complete VoIP System. Now you need to setup your VoIP Trunks to make sure you can make/receive international calls through iRing SIP Trunk. If you have fixed lines supported by Telecom/Mobile/Unicom, please connect them to iRing system.

2.3.4.1. Configure iRing VoIP Service

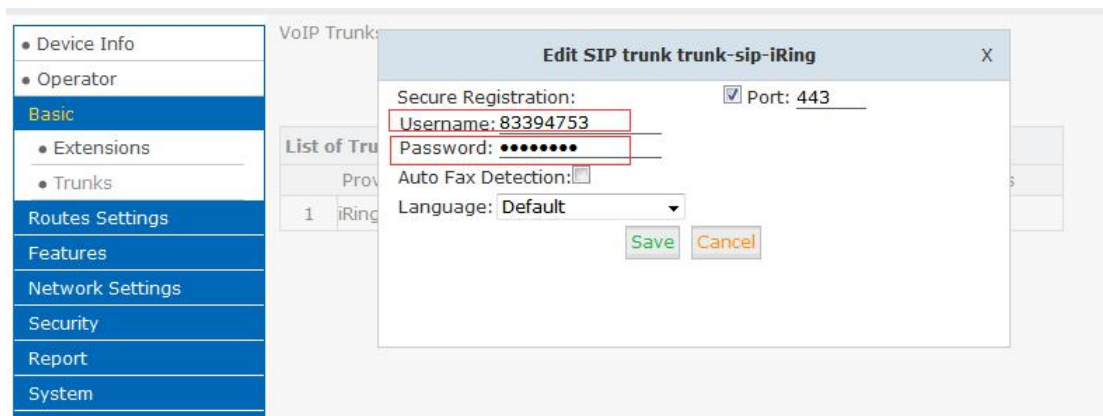
A. Login to the “iRing Complete VoIP System” then go to Basic->Trunks, click “Edit” for VoIP Trunk configuration (Shown in Images 2.3.4.1-1).

Images 2.3.4.1-1:



B. Enter your iRing Username/password and turn on the “Trunk Outbound CID Preferred” then save and click the “Activate Change” on the right top corner. Both Chinese and English are available for you (Shown in Images 2.3.4.1-2).

Images 2.3.4.1-2:



C. You can check your iRing VoIP status in “Operator” page.

When it shows “Registered” (Shown in Images 2.3.4.1-3), it means iRing is now ready to make calls. Otherwise the activation failed. Please check your network setting or contact us for support.

Images 2.3.4.1-3:

The screenshot shows the 'Operator' page in the iRing interface. On the left is a sidebar menu with options: Device Info, Operator (selected), Basic, Routes Settings, Features, Network Settings, Security, Report, and System. The main content area is titled 'Operator' and displays a status overview. It includes a table of extensions with columns for status (Idle, Ringing, InUse, Hold, UnAvailable) and extension numbers (800-820). Below this, a 'VoIP Trunks' section shows a 'Status' of 'Registered' and 'Reachability' of 'OK (274 ms)(Secure Registration)'. At the bottom, an 'FXO/FXS Ports' table lists ports 1, 2, 3, and 4 with their respective BLF labels and signal strengths.

Extension	800	801	802	803	804
800(SIP)	801(SIP)	802(SIP)	803(SIP)	804(SIP)	
805	806	807	808	809	
805(SIP)	806(SIP)	807(SIP)	808(SIP)	809(SIP)	
810	811	812	813	814	
810(SIP)	811(SIP)	812(SIP)	813(SIP)	814(SIP)	
815	816	817	818	819	
815(SIP)	816(SIP)	817(SIP)	818(SIP)	819(SIP)	
820					
820(SIP)					

Status	Signal Strength	Type	Port	BLF Label
Disconnected		FXO	1	Channel1
Disconnected		FXO	2	Channel2
OK		FXS	3	
OK		FXS	4	

2.3.4.2. Configure FXO Trunks

Before configuring your FXO Trunks, you need to connect fixed lines to iRing S40/80 FXO port. More details refer to “2.2 Plug Cable”.

A. Login to the “iRing Complete VoIP System” then go to Basic->Trunks->FXO Trunks, click “New FXO Trunk” (Shown in Images 2.3.4.2-1).

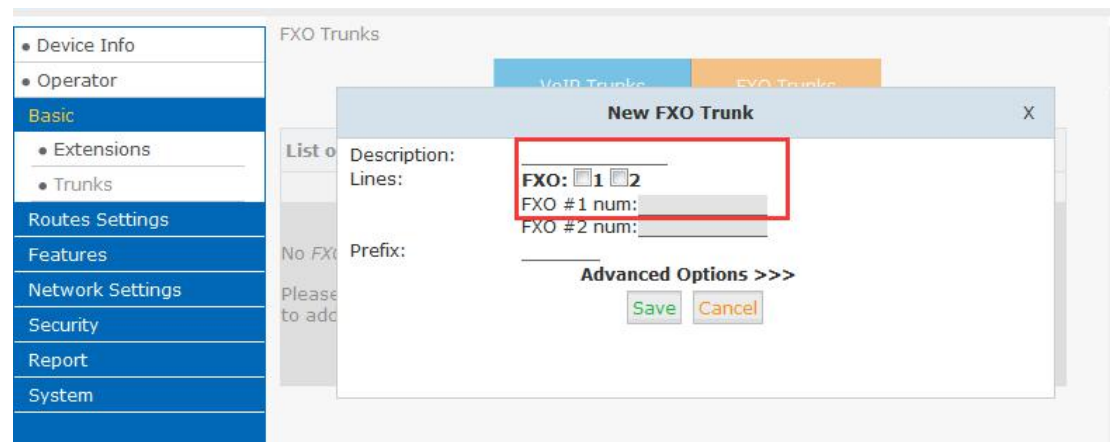
Images 2.3.4.2-1:

The screenshot shows the 'FXO Trunks' configuration page. The sidebar menu on the left has 'Trunks' selected under the 'Basic' section. The main content area has a breadcrumb trail: 'VoIP Trunks' > 'FXO Trunks'. Below this is a 'List of Trunks' table with columns 'Trunk Name', 'Lines', and 'Options'. A 'New FXO Trunk' button is highlighted in the 'Options' column. The table currently shows 'No FXO Trunk defined' and a message: 'Please click on 'New FXO Trunk' button to add a Trunk'.

Trunk Name	Lines	Options
No FXO Trunk defined		
Please click on 'New FXO Trunk' button to add a Trunk		

B. Name the Trunk in the first line, such as Domestic Trunk, Telecom, Mobile, Unicom and so on (Here name the trunk Domestic Trunk 1), and turn on the 1 port or 2 port based on your settings. Finally save and activate (Shown in Images 2.3.4.2-2).

Images 2.3.4.2-2:



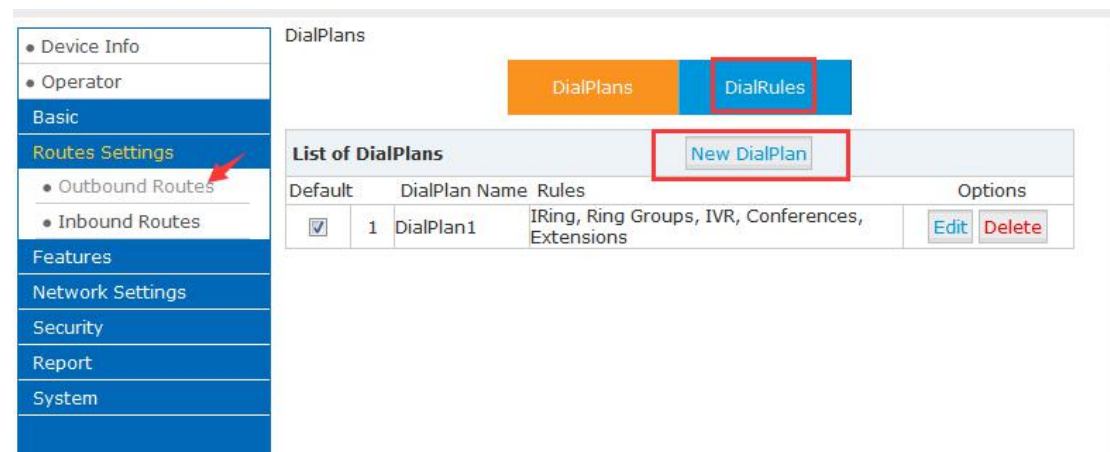
2.3.4.3. Configure DialRules

This following settings only applied for clients with FXO trunks.

If you do not use fixed line for communication, we will default DialRules for you.

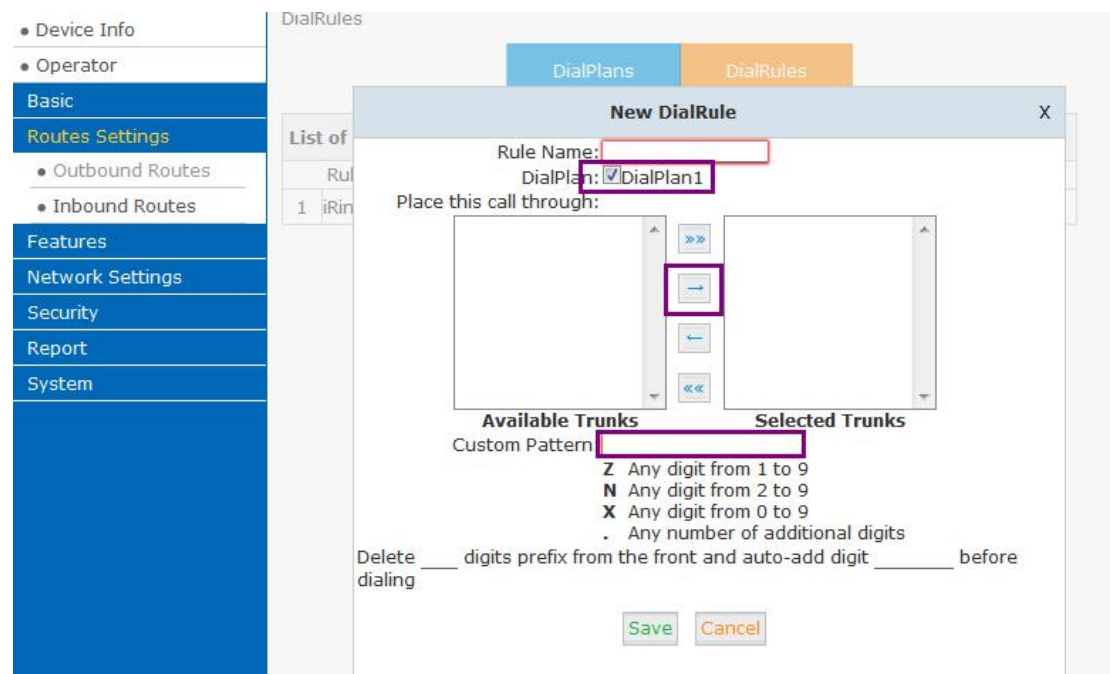
A. Go to Routes Setting->Outbound Routes->DialRules page, click “New DialRule” (Shown in Images 2.3.4.2-3).

Images 2.3.4.2-3:



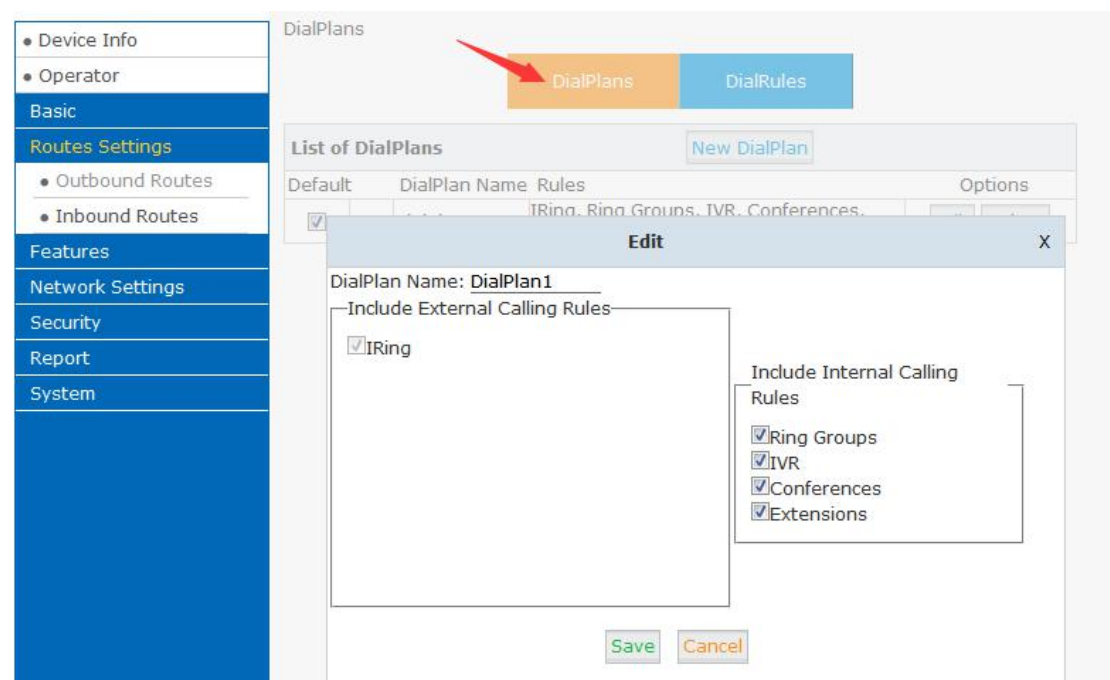
B. Enter your Rule Name and turn on the Dial Plan1(Here supposing the Rule Name is Domestic Trunk 1). Then click “ Domestic Trunk 1” listed in the Available Trunks and press the button marked with red box in order to having the same information shown in the right side. At last enter “xxx.” to Custom Pattern then save and activate (Shown in Images 2.3.4.2-4).

Images 2.3.4.2-4:



C. Go to Routes Settings->Outbound Routes->DialPlans page, click “New DialPlan” to turn on the DialPlan Name “Domestic Trunk 1”, then save and activate (Shown in Images 2.3.4.2-5).

Images 2.3.4.2-5:

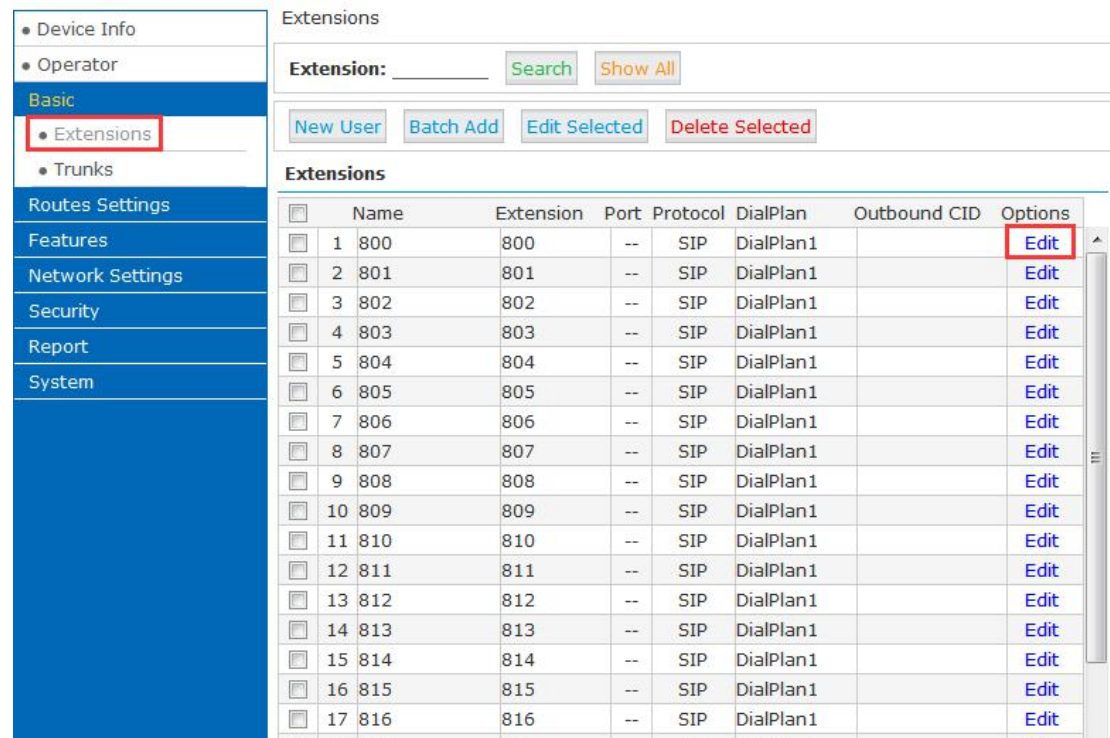


2.3.5. Configure Extensions

2.3.5.1. Get Extension Name and Password

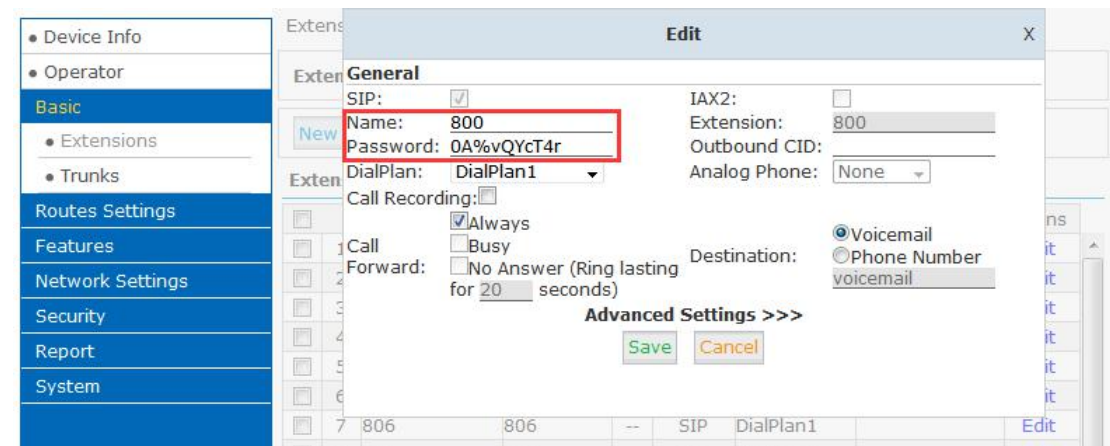
A. Login to the iRing Complete VoIP System then go to Basic->Extensions page (Shown in Images 2.3.5.1-1).

Images 2.3.5.1-1:



B. Click "Edit" at the end of any line, then you can get extension name and password (Shown in Images 2.3.5.1-2).

Images 2.3.5.1-2:



iRing default 10 extensions for you. If you need more, please go to Basic->Extensions page, then click "New User" to add extensions.

For further configuration please check User Specification.

2.3.5.2. Configure IP Phones

Firstly, please make sure connecting your IP Phones to switchboard according to "2.2. Plug Cable".

A. Press the first button "Status" below the displaying screen (Shown in Images 2.3.5.2-1). Then the related IP address received from DHCP router will be shown in the screen (Supposed the IP address is 192.168.1.10). Please remember the IP address and open a browser to enter <http://192.168.1.10>, you are able to login to the IP Phone system.

Images 2.3.5.2-1:



Default User Name: admin

Default Password: admin

B. Go to Network Settings->VoIP page

Enter Extension Name/Password/IP address you get from iRing complete VoIP system on the corresponding column (Shown in Images 2.3.5.2-2) and turn on the "Start Configuration". For more extension setting, you just follow the steps one by one.

(This image for reference only, you just make some changes at your preference.

Images 2.3.5.2-2:

ZYCOO
WE FOCUS.WE DELIVER

SIP IAX2 STUN DIAL PEER MCAST

BASIC
NETWORK
▶ VOIP
PHONE
FUNCTION KEY
MAINTENANCE
SECURITY
LOGOUT

SIP Line SIP 1

Basic Settings >>

Status	Registered	Domain Realm	
Server Address	192.168.1.100	Proxy Server Address	
Server Port	5060	Proxy Server Port	
Authentication User	800	Proxy User	
Authentication Password	*****	Proxy Password	
SIP User	800	Backup Proxy Server Address	
Display Name	800	Backup Proxy Server Port	5060
Enable Registration	<input checked="" type="checkbox"/>	Server Name	

Codecs Settings >>

Advanced SIP Settings >>

Apply

SIP Global Settings >>

3. Making a call

Refer to the previous instructions you have setup your iRing complete VoIP system successfully. Now you are ready for making/receiving international calls through iRing SIP Trunk.

Default Dialing Rule:

For international calls: 00 + Country Code + Phone Number

For domestic call: just dial phone number directly

If you want to change the dialing rule, please refer to “2.3.4.3. Configure DialRules” or view Specification.

For more advance settings about iRing complete VoIP system, please go to <http://www.iringtel.com/> to download “iRing Complete VoIP Solution Operation Instruction”.

You can also call iRing for technical support for remote assistance.

Sincerely appreciate your subscription from iRing. iRing offer you one-stop complete VoIP solutions. Any needs for communication, please feel free to let us know!