Quick Installation Guide

- ☑ UC200 Pro
- ☑ UC350
- ☑ UC350 Pro

Thanks For Choosing Dinstar's Products!

Please read this guide carefully before installing the device. If you need any technical support, Please contact us.

Tel: +86 755 61919966
Email: support@dinstar.com
Web: www.dinstar.com

1 Models and Interfaces

▶ UC200 Pro

Model	Interface	Number
UC200 Pro	Ethernet port	2
	Console Port	1
	USB Interface	1
	TF Card Slot	1
	FXS Port	2
	FXO Port	2

Note: Basically, UC200 Pro is equipped with 2 FXS voice interfaces and 2 FXO voice interfaces. It can be expanded with 2S/2O/1S1O modules, up to support 3 modules.

▶ UC350 & UC350 Pro

Model	MCU Board	User Board(FXO, FXS, FXU, DTU)
UC350	2*Network Ports 1*USB 2.0 Port 1*Console Port	FXS Board: 2*RJ45 with 8 FXS FXO Board: 2*RJ45 with 8 FXO FXU Board: 2*RJ45 with 4 FXS and 4 FXO DTU Board: 4*RJ45 with 4 E1/T1 Ports
UC350 Pro	4*Network Ports 2*USB 2.0 Ports 1*USB 3.0 Port 1*Console Port 1*HDMI Port	

2 Description of Indicators

▶ UC200 Pro

Indicators	Definition	Status	Description
PWR	Power Indicator	ON	The device is powered on
		OFF	There is no power supply or the power supply is abnormal
RUN	Running Indicator	Flashing	The device is initialized successfully and running normally
		ON	The system is initializing
		OFF	The device is not running normally
FXS/FXO	FXS/FXO Indicator	ON	The FXS port is in off-hook (in-use) status
		OFF	The FXS port is in on-hook status

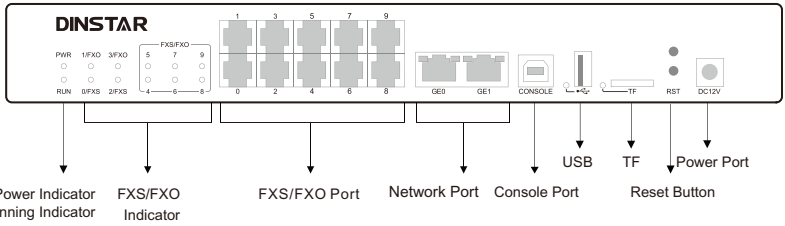
USB	USB Indicator	ON	The USB flash drive is inserted
		OFF	The USB flash drive is not inserted
TF	TF Indicator	ON	The TF card is inserted
		OFF	The TF card is not inserted

▶ UC350 & UC350 Pro

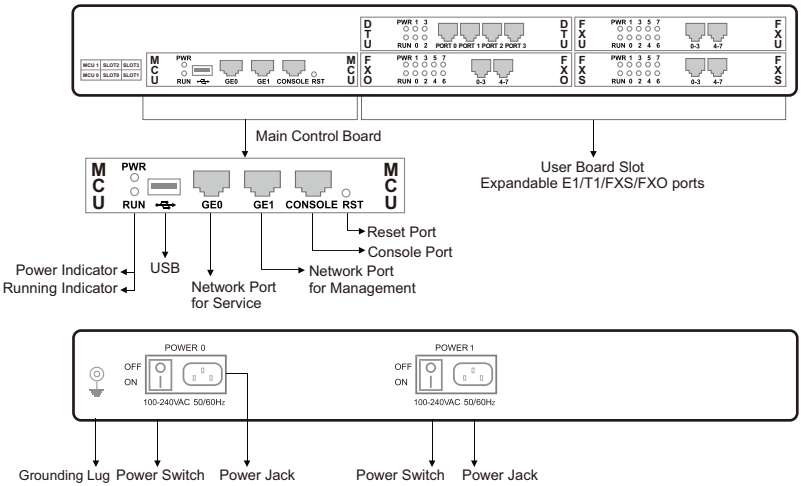
Type	Indicators	Definition	Status	Description
MCU board	PWR	Power Indicator	OFF	There is no power supply or the power supply is abnormal
			ON	The device is powered on
	RUN	Running Indicator	Flashing	The device is initialized successfully and running normally
			ON	The system is initializing
			OFF	The device is not running normally
FXS/FXO/ FXU User Board	PWR	Power Indicator	ON	The power supply is normal
			OFF	The power supply is not normal
	RUN	Running Indicator	Fast Flashing	Part of the port registered successfully
			Slow Flashing	All ports are registered
	FXS/FXO	FXS/FXO Indicator	ON	The FXS port is in off-hook (in-use) status
			OFF	The FXS port is in on-hook status
DTU User Board	PWR	Power Indicator	OFF	There is no power supply or the power supply is abnormal
			ON	The device is powered on
	RUN	Running Indicator	Slow Flashing	The device is initialized successfully and running normally
			ON	The system is initializing
			OFF	The device is not running normally
	E1/T1	E1/T1 Indicator	ON	E1/T1 line is connected
			OFF	E1/T1 line is disconnected

3 Indicators and Ports

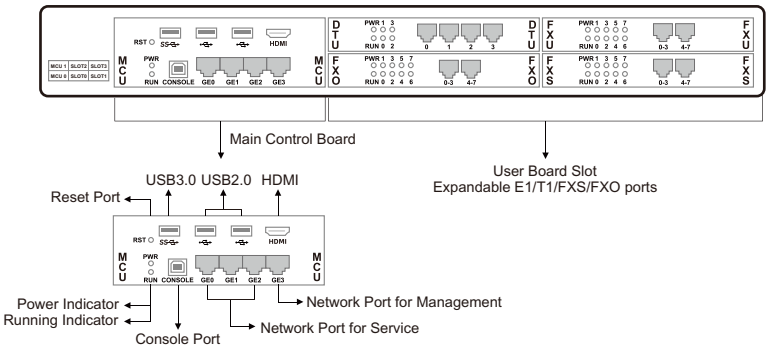
▶ UC200 Pro



▶ UC350



▶ UC350 Pro



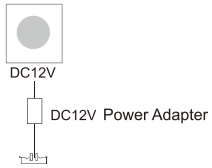
4 Installation Attentions

- The adapter of UC200 Pro accepts DC12V 2A power input, and the adapter of UC350 series accepts DC220V 10A dual power input. Please make sure that it is operational and safe.
- To reduce the interference to telephone calls, please separate power supply cables from telephone lines.
- To guarantee running of the gateway as usual, please make sure that there is sufficient network bandwidth.
- For better heat dissipation, please place the gateway on a level surface and ensure space for other devices.

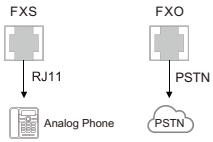
5 Installation Instructions

▶ UC200 Pro

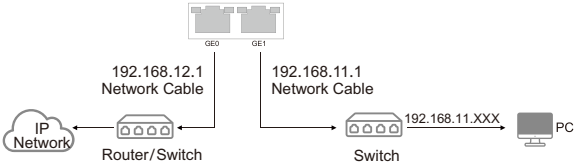
- Connect with Power Input



- Connect telephone line to the FXS port and connect PSTN line to the FXO port.



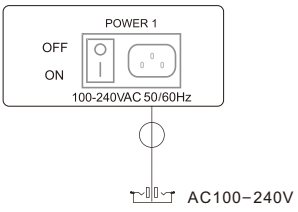
- Connect with Ethernet



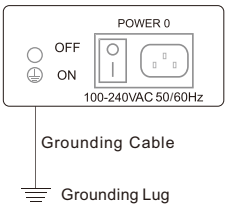
Note: The UC200 Pro's default network port for management is the GE1 port.

▶ UC350 & UC350 Pro

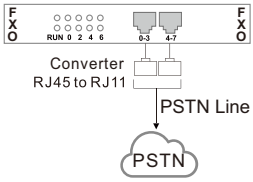
- Connect with Power Input

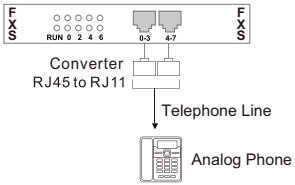


- Connect with Grounding Lug

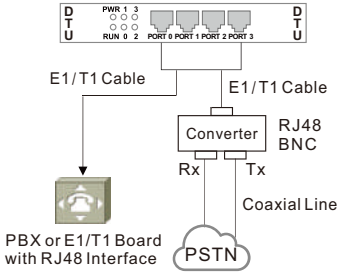


- Connect telephone line to the FXS port and connect PSTN line to the FXO port

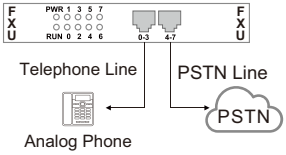




- Connect to E1/T1 Ports

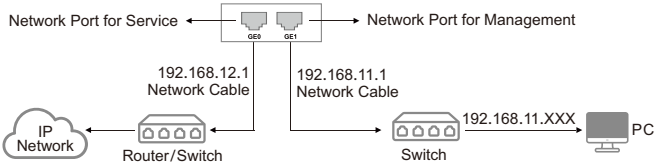


- Connect to FXS ports and FXO ports



Note: Ports 0-3 are FXS, and ports 4-7 are FXO.

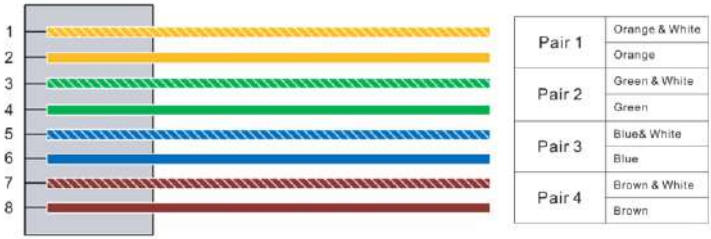
- Connect with Ethernet



Note: The UC350's default network port for management is the GE1 port, and the UC350 Pro's default network port for management is the GE3 port.

6 RJ45 Wire Sequence

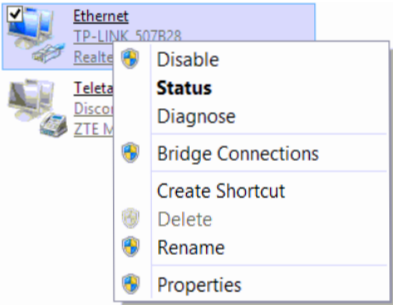
UC350 series products support RJ45 Interfaces for FXS/FXO connections. One RJ45 cable can be split into four pairs of RJ11 interfaces. The outlook wire sequence of RJ45 cable is shown as follows:



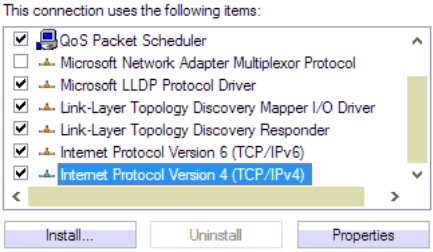
7 Modify PC's IP Address

To log in to the Web Management System of the device, firstly, you need to modify the IP address of the PC that is used to access the device and to make it at the same network segment as the device's network port of management.

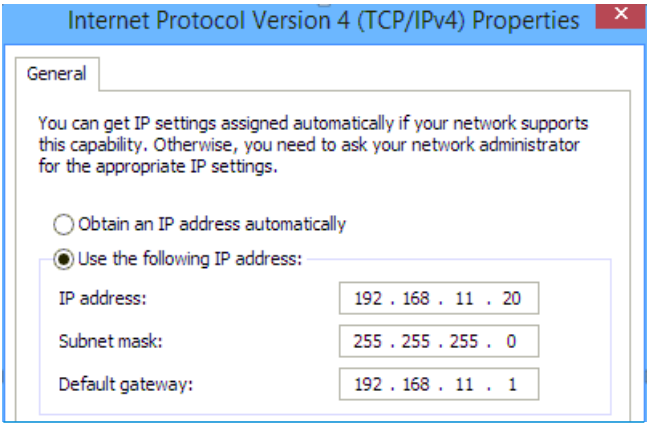
❶ On the PC, click '**Network (or Ethernet) → Properties**'.



❷ Double-click '**Internet Protocol Version 4 (TCP/IPv4)**'.



❸ Select **'Use the following IP address'**, and then enter an available IP address '192.168.11.XXX' which is at the same network segment with '192.168.11.1'.

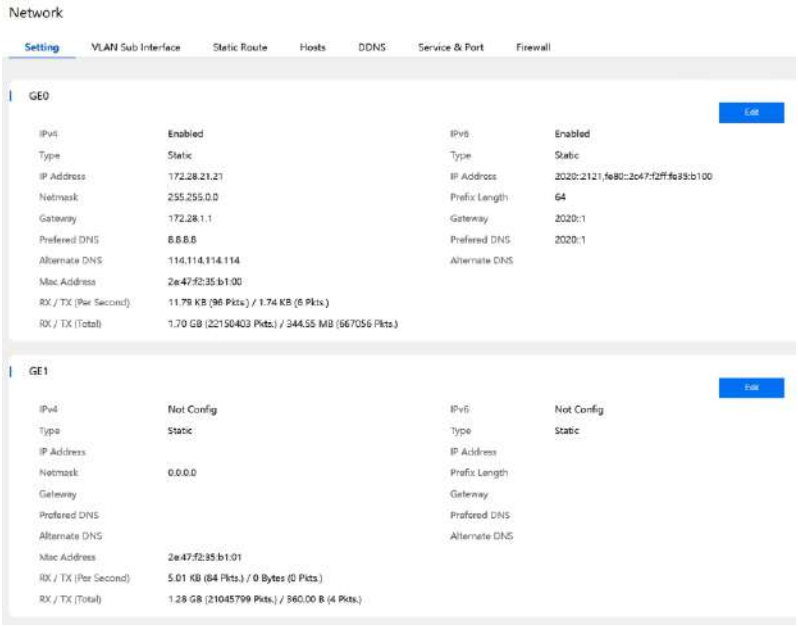


8 Login Web GUI

Open a browser and enter the default IP address of the network port for management: https://192.168.11.1. Then enter username and password in the displayed login GUI. The default username and password are admin/admin@123#.
Note: The UC200 Pro and UC350 default network port for management is the GE1 port, and the UC350 Pro's default network port for management is the GE3 port. New devices can only modify the IP address through the management port. The UC350 Pro login interface is shown below:

9 Check Network Status

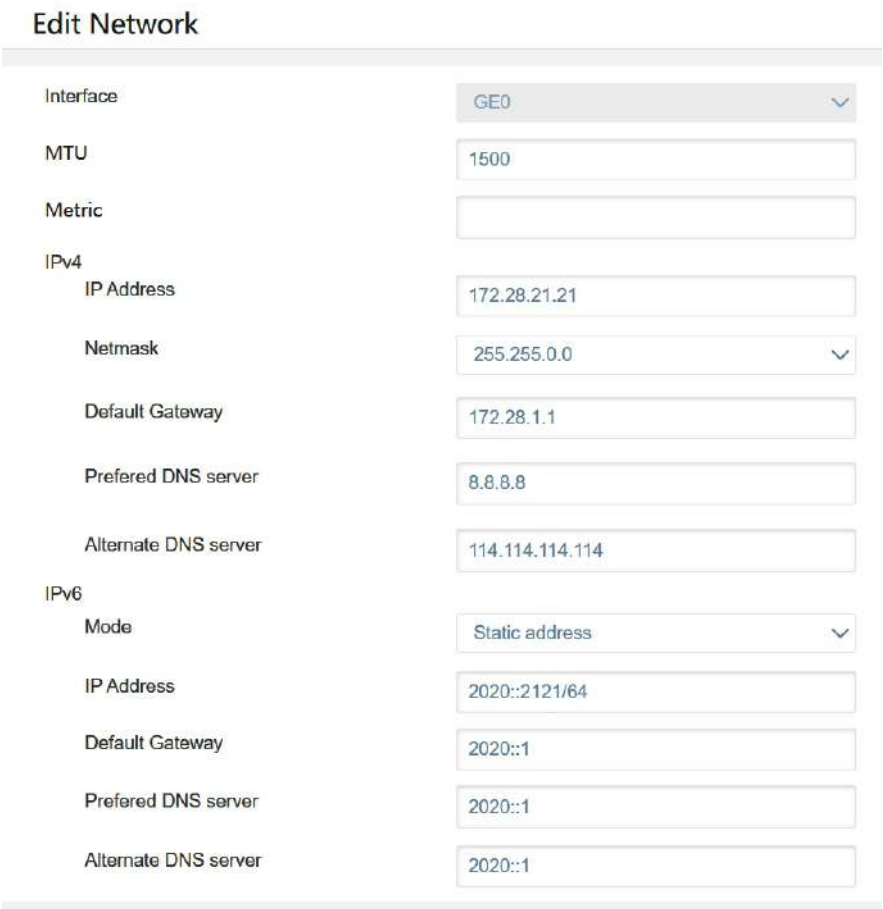
Check the network status on the "**System->Network**" page.



10 Modify Network Configuration

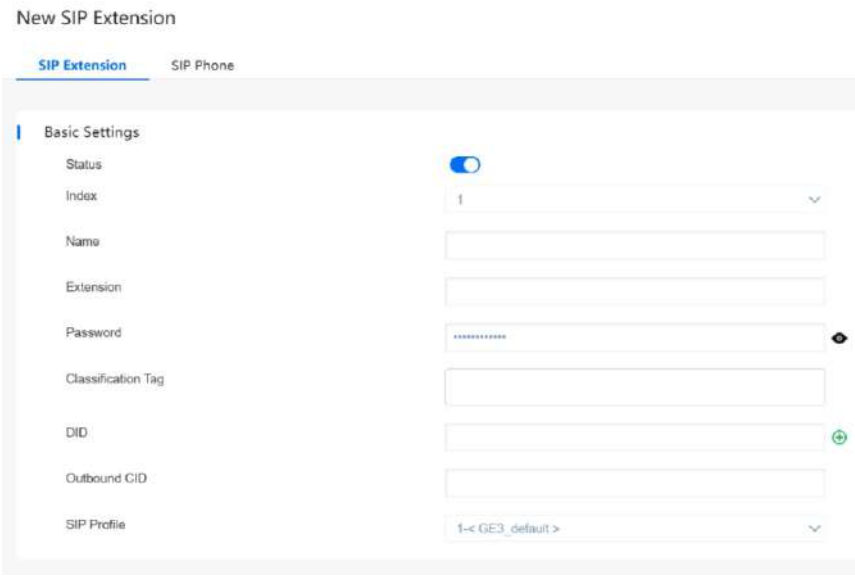
You need to modify the IP address of the network ports for service so that the ports and the upstream network are in the same network segment.

Firstly, you need to physically connect the device's network port for management. Then log into the device by entering the IP address of the network port for management in the web browser and click "System->Network" to configure the IP address of the network ports for service. Click "Save" and "Reset" to make the settings take effect.



11 Create SIP Extensions

Click "Extension & Call Group->SIP Extension" to create the SIP extension: add/delete/disable/enable, etc. UC350 Pro supports batch add or import account files.
Note: when add the extension, the profile should be chosen as the corresponding one.

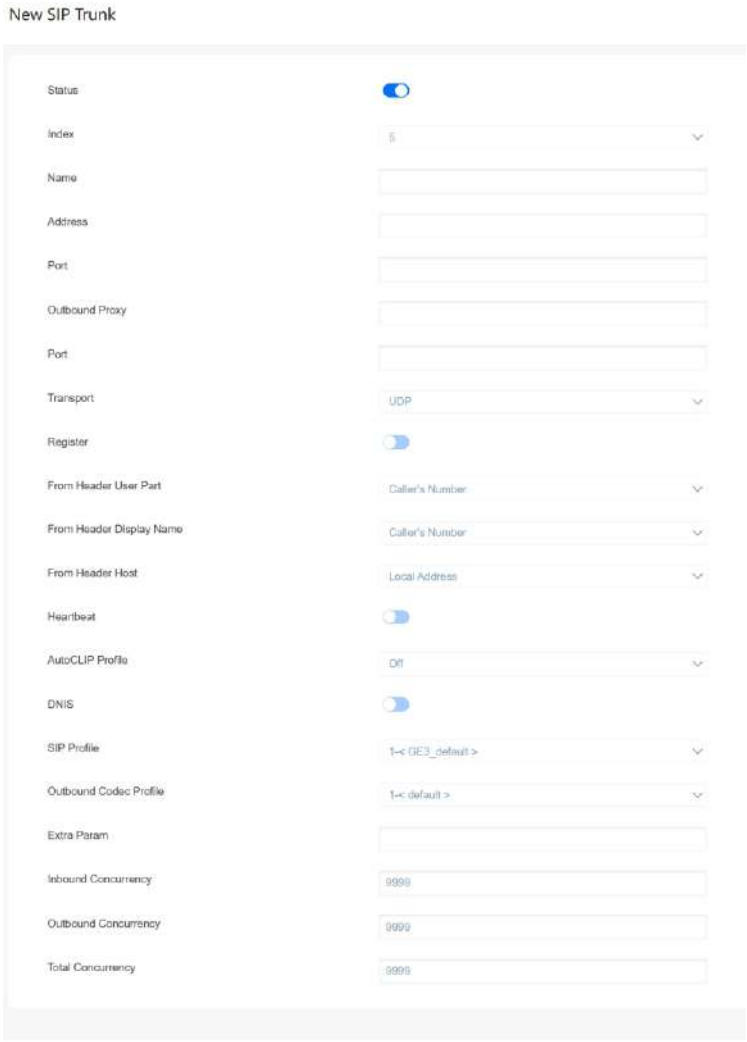


After setting, you need to click "apply" to make the settings take effect.
The registration status of SIP extension can be checked on the "Extension & Call Group->SIP Extension->Status" page.
If the status of a newly added SIP account is "registered", it means that the device accepts the registration of the extension.
If the status of the SIP account is "unregistered", it means that the device rejects to register the extension.

12 Add Trunk

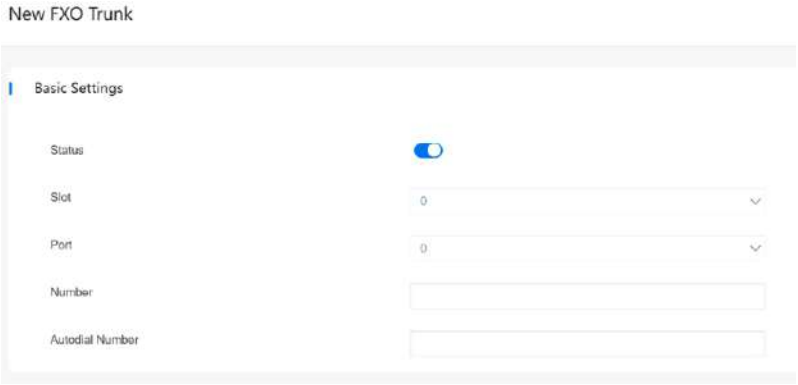
- SIP Trunk

SIP trunks are used to connect other SIP terminals or service providers. When adding a SIP trunk, you should choose corresponding SIP profile based on your current network. The SIP trunk supports UDP/TCP/TLS.
You can create a new SIP trunk on the "Trunk & Route->SIP Trunk->Setting" interface, and SIP trunk status can be checked under "Trunk & Route->SIP Trunk->Status" interface.



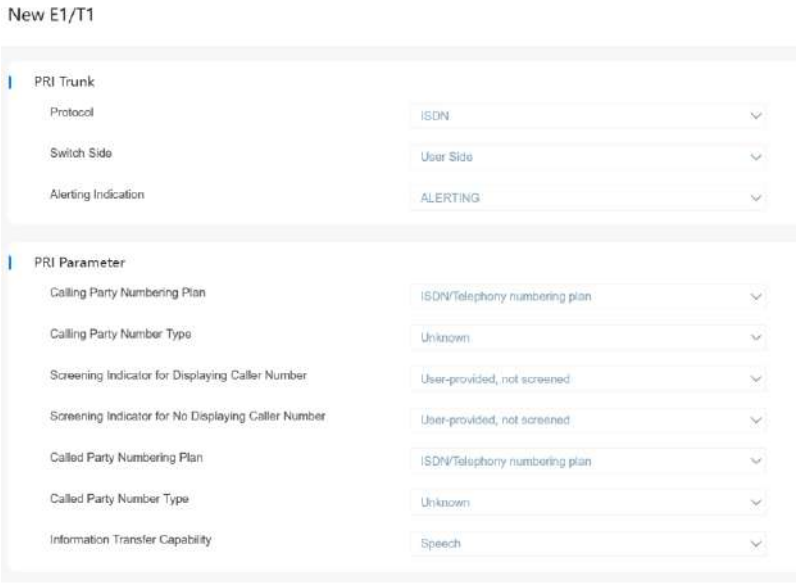
- FXO

You can also create Trunk/FXO. It is an alternative to support calls go through or from PSTN.



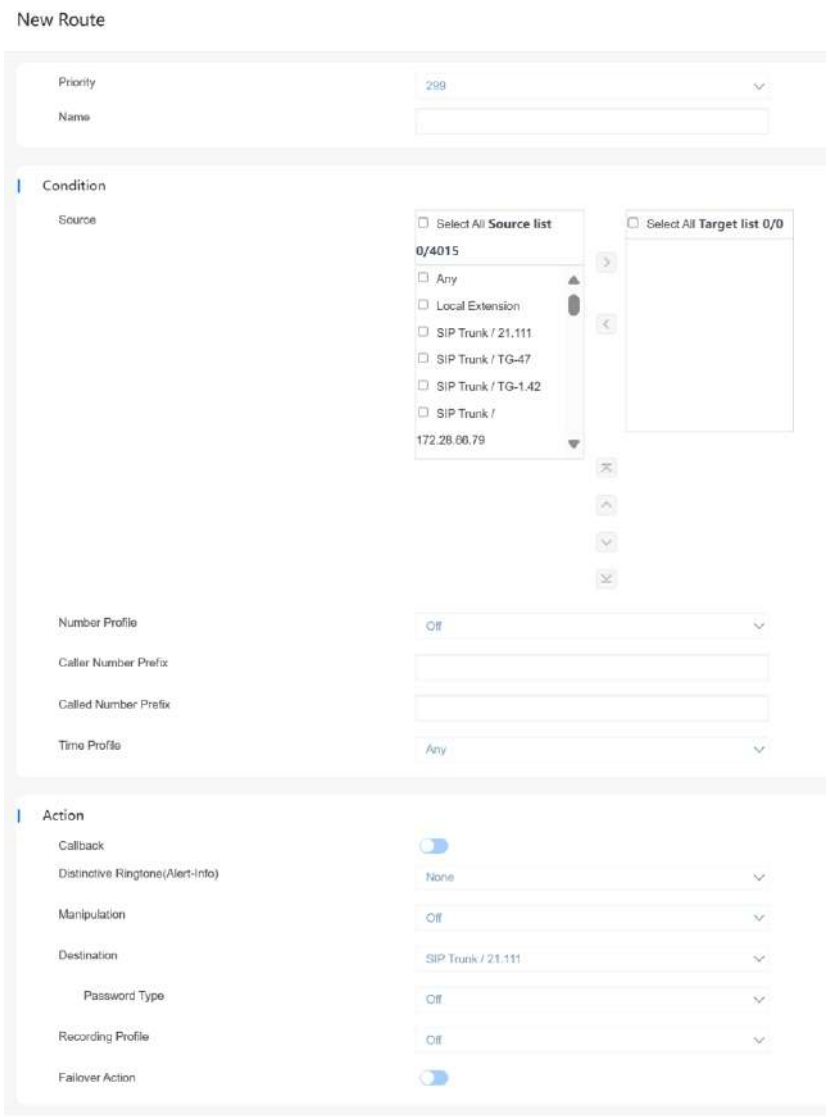
- E1/T1 (Suitable for UC350 & UC350 Pro)

You can set up ISDN PRI/SS7 connections via digital E1/T1 ports. Please be sure that the E1/T1 physical connection is well connected, and PRI status is in up and active status before configuring the call routing.



13 Configure Inbound / Outbound Route

On the "Trunk & Route->Route" interface, you can configure routes for incoming calls and outgoing calls, and select the call Source and Destination addresses for the route. When the configured route is activated, the system will match the route based on the priority index. The key configuration of route is at "condition" part. Here, you can configure the route based on the Caller/Called Number prefix and time.



14 Basic Operation

- Dial *114# to query the telephone number of a FXS port;
- Restart the device:
  1. Dial *111# to restart the device;
  2. Click "system->Reboot" menu to perform reboot.
- RST Button (Suitable for UC200 Pro)
  1. Under normal running status, if users press RST button for 3 to 6 seconds, the username/password of the device will restore to default username/password, and the network configuration will be restored to factory settings (e.g., the IP address of GE1 will be restored to 192.168.11.1) and the HTTPS/SSH ports restored to the default ports, which does not affect other configurations.
  2. Under normal running status, pressing RST button 6 to 12 seconds and will restore all configuration data to factory default data and reboot the device.
  3. When the device is power off, pressing and holding RST button and RST auxiliary buttons simultaneously for more than 30 seconds after it power on, the device will clear all the configurations and restore to mini-system management.

15 More Details

This document only provides instructions for quick installation and basic configuration. For detailed configuration and parameter explanations, Please refer to User Manual or ask for technical support.