



How to Connect NeoGate TA FXS Gateway to Skype

Version: 1.0

Date: 2014.06.12

Yeastar Information Technology Co. Ltd

Table of Contents

About This Guide	3
1. Register Skype SIP Trunk on TA3200	4
2. Configure TA3200 with Inbound Calling	8
2.1 Receive Incoming Calls from Skype Users.....	8
2.2 Receive Incoming Calls from Landline or Mobile Phone	10

About This Guide

Skype Connect™ provides connectivity between your business and the Skype community.

NeoGate TA FXS Gateway helps you to connect to Skype via Skype Connect. By adding Skype Connect to NeoGate TA, your business could save on your communication costs with little or no additional upgrades required. Once the Skype SIP trunk is registered on NeoGate TA, you are able to make and receive calls on the analog phones through the Skype SIP trunk.

This guide has been tested with NeoGate TA3200 and describes how to connect NeoGate TA to Skype with Skype Connect.

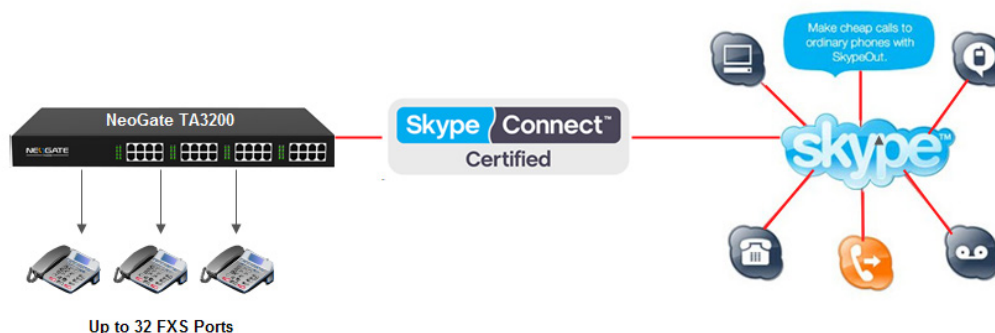


Figure 1 Connect NeoGate TA3200 to Skype

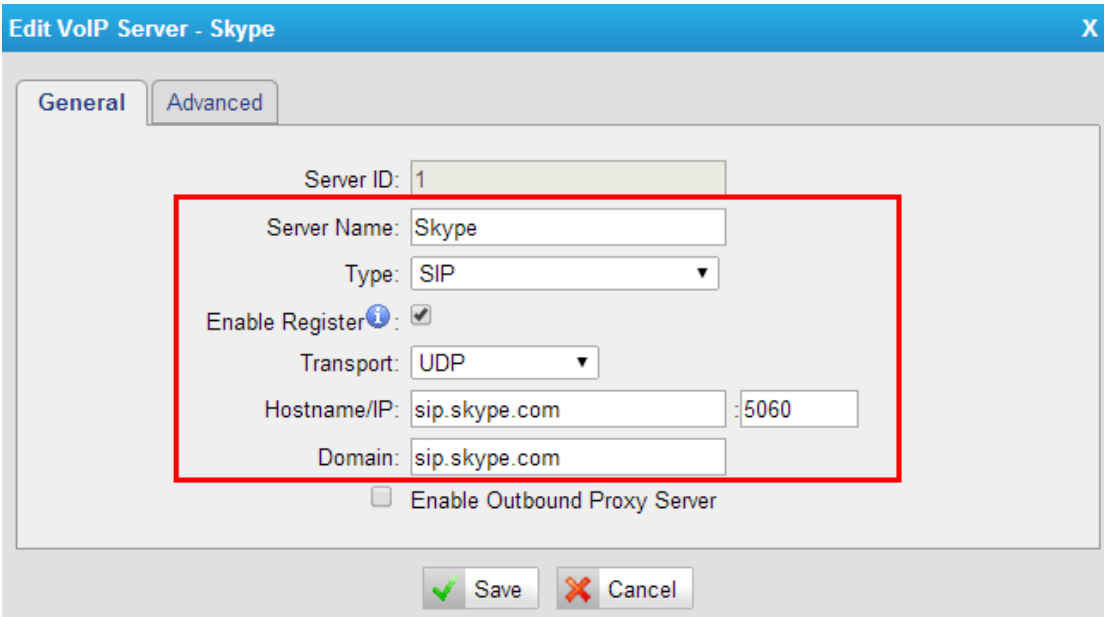
1. Register Skype SIP Trunk on TA3200

Before configurations on NeoGate TA3200, you need to set up a Skype Manager and buy a SIP profile from Skype. Please refer to [Skype Connect Quick Start Guide](#) to set up the SIP profile on Skype.

After setting up the SIP profile, take the SIP account to register on NeoGate TA3200.

Step 1. Edit the VoIP Server template on the NeoGate TA3200.

Path: Gateway→VoIP Settings→VoIP Server Settings



The screenshot shows the 'Edit VoIP Server - Skype' configuration window. The 'General' tab is selected. A red box highlights the following fields:

- Server ID: 1
- Server Name: Skype
- Type: SIP
- Enable Register:
- Transport: UDP
- Hostname/IP: sip.skype.com :5060
- Domain: sip.skype.com

Below the highlighted fields, there is an unchecked checkbox for 'Enable Outbound Proxy Server'. At the bottom of the window, there are 'Save' and 'Cancel' buttons.

Figure 2 Edit the VoIP Server Template on TA3200

Server Name: Skype

Type: SIP

Enable Register: enable

Transport: UDP

Hostname/IP: sip.skype.com

Domain: sip.skype.com

Step 2. Edit the Dial Pattern Template.

Path: Gateway→VoIP Settings→Dial Pattern Template

Set the Dial pattern as "0.", which matches any phone number starts with digit "0".

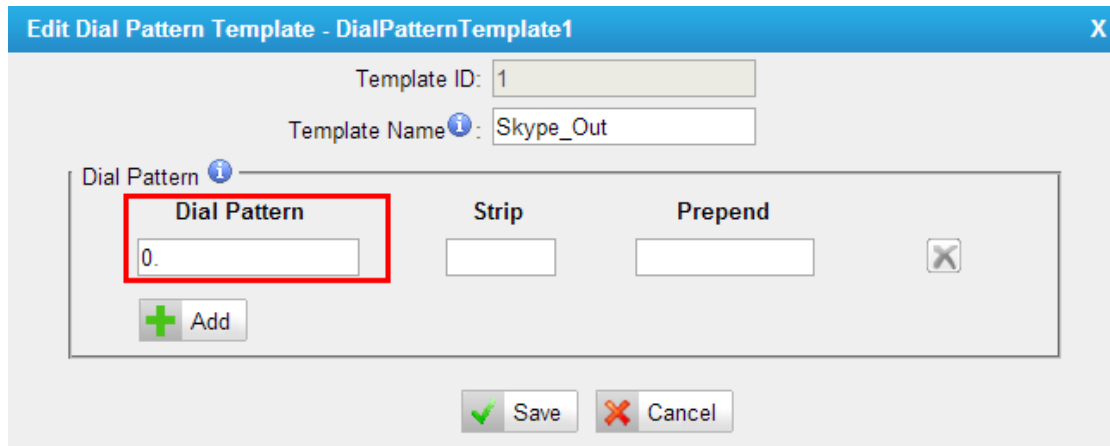


Figure 3 Edit the Dial Pattern Template on TA3200

Step 3. Edit the FXS port.

Path: Gateway→FXS Port List→FXS Port List

Choose the Primary Server Template as the one you edited on Step 1 and fill in the Username and Password info according to the SIP profile on Skype.

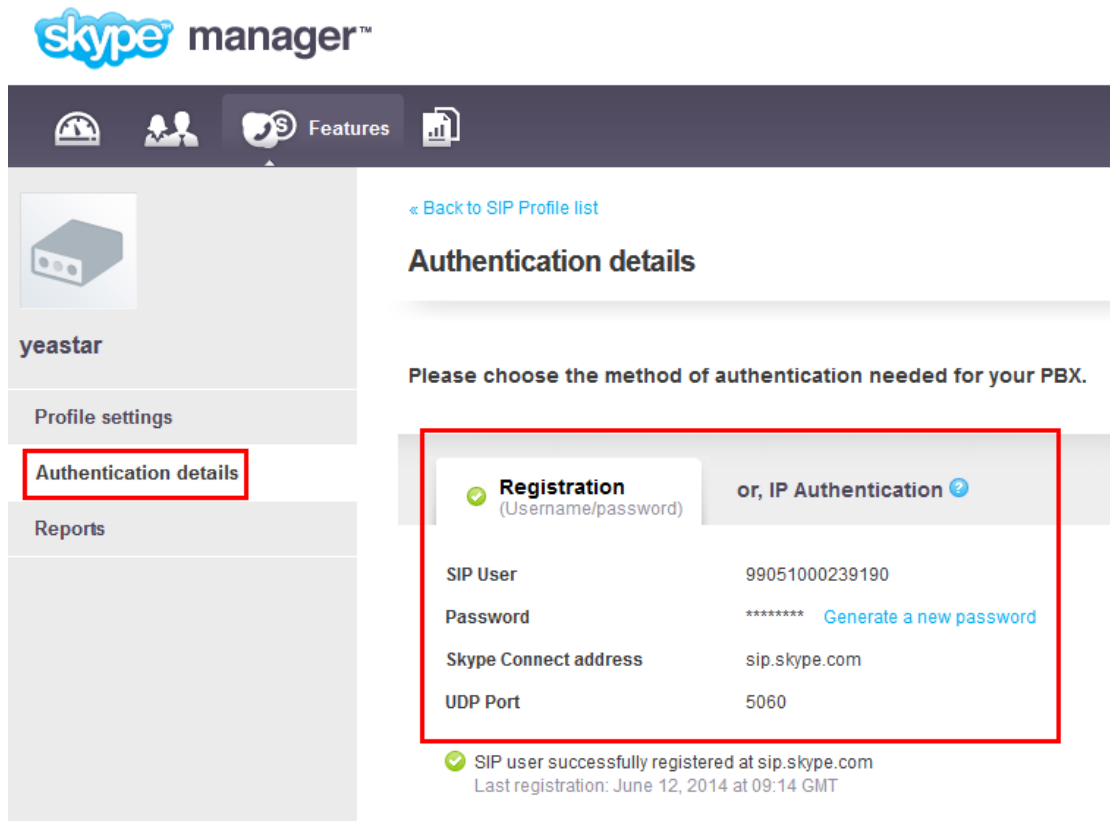


Figure 4 SIP Profile on Skype Manager Page

Figure 5 Edit FXS Port 1

Number: Same as SIP User on Skype SIP profile.

Primary Server: Choose "Skype(1)", the VoIP that you configured on step 1.

User Name: Same as SIP User on Skype SIP profile.

Authentication Name: Same as SIP User on Skype SIP profile.

Password: Same as Password on Skype SIP profile.

Template: choose "Skype_Out(1)", the one you edited on Step 2.

Save and apply the changes, and you will see the port 1 status is "Registered" on "Port Status" page.

Path: Status→System Status→Port Status

Port	UP/Down	Number	Status	Off-hook/On-hook
1	Up	99051000239190	Registered	On Hook

Figure 6 Status of FXS Port 1 on TA3200

Step 4. Make a call from the analog phone which is connected the FXS port 1.

You can call 001760-660-4690 to test audio quality and connectivity. It's Skype's echo test online number.

Note: If you want to receive inbound calls with Skype Connect, please proceed to [Chapter 2](#); if not, you have now successfully set up your Skype for SIP profile to make outbound calls.

2. Configure TA3200 with Inbound Calling

2.1 Receive Incoming Calls from Skype Users

Step 1. Set up a Business Account to test inbound Calls from Skype.

1) Create a new business account in Skype Manager. For more information on creating a new business account, please see the [Skype Manager User Guide](#).

2) Click **View profile** next to the name of the SIP Profile to which you want to add the business account.

The screenshot shows the Skype Manager interface. On the left is a navigation menu with options like Credit allocations, Subscriptions, Voicemail, Skype Numbers, Call forwarding, and Skype Connect. The main content area is titled 'Skype Connect' and includes a 'Your SIP Profiles' section with a 'Set up a SIP Profile' button. Below that, a profile named 'yeastar' is listed with a 'View profile' link highlighted by a red box. Further down, there are settings for Channels (1 channels), Outgoing calls (Set up outgoing calls), and Incoming calls (Set up incoming calls).

Figure 7 View Skype SIP Profile

3) Click **Set up incoming calls**.

4) In the **Add business Account** tab, enter the newly created business account's name and fill in the extension number which number will use to receive the call.

E.g.:

Add an existing business account: yeastar.neogate

Extension number: 500

Incoming calls

Add a number or business account

You can receive incoming calls on your SIP Profile via [Skype Numbers](#) and via [Skype business accounts](#). When someone calls your Skype Number or contacts your business account on Skype the calls get forwarded to your SIP Profile.

Add Skype Number Add business account

Add an existing business account

yeastar.neogate Create a new account

Extension number (optional) ⓘ

500

⚠ Important: If a Skype account is attached to a SIP Profile it cannot be used to sign into Skype on your computer or any other device.

Confirm

Figure 8 Add Business Account

5) Click **Confirm**.

Step 2. Set up the online number on the NeoGate TA3200's FXS port.

Online number: fill in the extension number which you configure in Skype Manger.

Edit FXS Port - 1

General Other Settings

General

Port: 1 Number ⓘ: 990510002

VoIP Server Template

Primary Server ⓘ: Skype(1) Failover Server ⓘ: ---

User Name ⓘ: 99051000239 Authentication Name ⓘ: 99051000239

Password ⓘ:

From User ⓘ: Online Number ⓘ: 500

Dial Pattern Template

Template ⓘ: Skype_Out(1)

Flash

Hook Flash Detection ⓘ: 1000 ms

Call Duration Setting

Max Call Duration ⓘ: 6000 s

Save Cancel

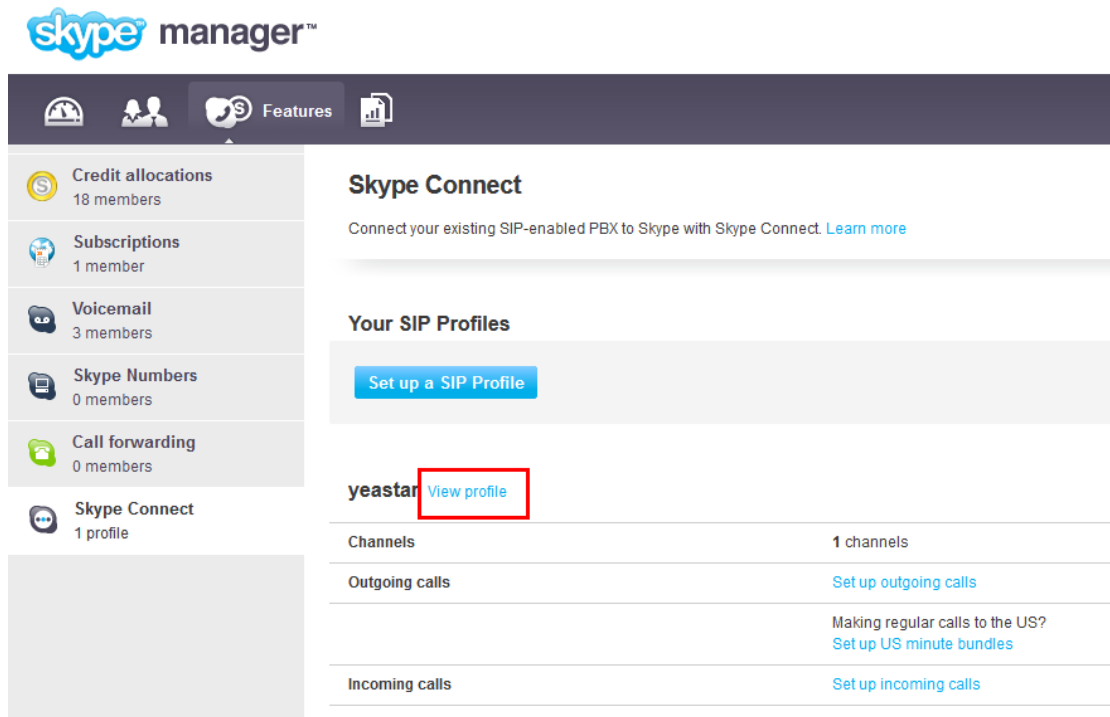
Figure 9 Set Online Number on FXS Port 1

All calls from other Skype users to this account (yeastar.neogate) will be routed to the analog phone which is connected to NeoGate TA3200's FXS port 1.

2.2 Receive Incoming Calls from Landline or Mobile Phone

Step 1. Assign an Online Number to receive calls from landlines and mobile phones.

1) Click **View profile** next to the name of the SIP Profile to which you want to assign an Online Number.

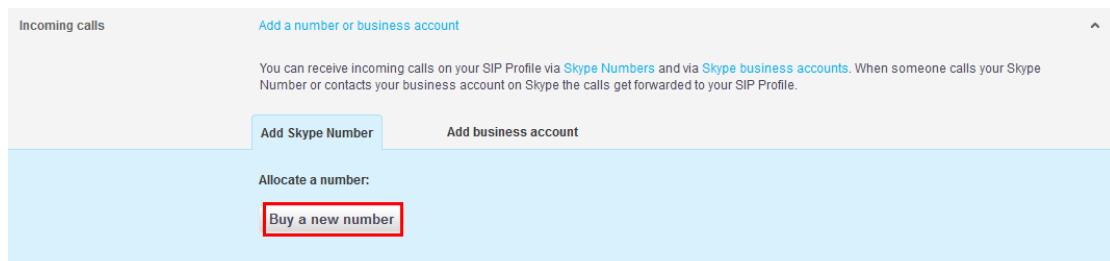


The screenshot shows the Skype Manager interface. On the left, there is a sidebar with navigation options: Credit allocations (18 members), Subscriptions (1 member), Voicemail (3 members), Skype Numbers (0 members), Call forwarding (0 members), and Skype Connect (1 profile). The main content area is titled 'Skype Connect' and includes a 'Set up a SIP Profile' button. Below this, the 'Your SIP Profiles' section lists a profile named 'yeastar' with a 'View profile' link highlighted by a red box. Underneath the profile list, there are links for 'Set up incoming calls' and 'Set up US minute bundles'.

Figure 10 View Skype SIP Profile

2) Click **Set up incoming calls**.

3) Click **Buy a new number**.



The screenshot shows the 'Incoming calls' section in the Skype Manager interface. It includes a heading 'Add a number or business account' and a paragraph explaining that incoming calls can be received via Skype Numbers or Skype business accounts. Below this, there are two buttons: 'Add Skype Number' and 'Add business account'. Underneath, there is a section titled 'Allocate a number:' with a 'Buy a new number' button highlighted by a red box.

Figure 11 Add Skype Number

4) Complete the on-screen instructions to buy the Online Number. For more information on buying a new Online Number, please refer to the [Skype](#)

Manager User Guide.

Note: When you confirm your purchase, the Online Number is automatically associated with the SIP Profile.

Step 2. Set up the Online Number on the NeoGate TA3200's FXS port.

Online number: Fill in the Skype online number which one buy from Skype. E.g.: online number is 05925503309.

The screenshot shows the 'Edit FXS Port - 1' configuration window. The 'General' tab is selected. The 'Online Number' field is highlighted with a red box and contains the value '05925503309'. Other fields include Port: 1, Number: 990510002, Primary Server: Skype(1), Failover Server: ---, User Name: 99051000239, Authentication Name: 99051000239, Password: [masked], From User: [empty], Dial Pattern Template: Skype_Out(1), Hook Flash Detection: 1000 ms, and Max Call Duration: 6000 s.

Figure 12 Set Online Number on FXS Port 1

When someone calls the online number associated with the SIP profile from a landline or mobile phone, the call will be routed to the analog phone which is connected to TA3200's FXS port 1.

[End]