

How to Connect MyPBX to Skype

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About This Guide

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

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

This guide has been tested with MyPBX U100 and describes how to connect MyPBX to Skype with Skype Connect.

Before you get started you will need

A Skype Connect SIP profile+ An internet connection with a public IP address+ MyPBX.



Figure 1 Connect MyPBX to Skype



1. Register Skype SIP Trunk on MyPBX

Before configurations on MyPBX, 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 MyPBX.

Step 1. Create a VoIP Trunk.

Path: PBX→Trunks→VoIP trunk

Fill in the Skype for SIP's SIP profile details message in the pop-up windows.



Figure 2 SIP Profile on Skype Manager Page



| Add VoIP trunk | | x |
|----------------------|------------------------------|----------|
| Туре: | SIP - | |
| Provider Name: | skypeforsip | |
| Hostname/IP: | sip.skype.com | :5060 |
| Domain: | sip.skype.com | |
| User Name: | 99050000014360 | |
| Authorization Name: | 99050000014360 | |
| Password: | •••••• | |
| From User: | | |
| Online Number 🛈 : | | |
| Maximum Channels 🛈 : | 0 | |
| Caller ID 🕦 : | 99050000014360 | |
| | Enable Outbound Proxy Server | |
| Transport: | UDP Enable SRTP | Qualify: |
| DTMF Mode: | rfc2833 💌 | |

Figure 3 Add VoIP Trunk

Provider Name: give a name for this VoIP trunk
Hostname/IP: sip.skype.com
Domain: sip.skype.com
User Name: Same as SIP User on Skype SIP profile.
Password: Same as Password on Skype SIP profile.

Save and apply the changes, and you will see the trunk status is "Registered" on "Trunk Status" page.

Step 2. Create an Outbound Route.

Path: PBX →Outbound Call Control →Outbound Routes

Route Name: SkypeOut Dial Pattern: 0. Strip: 0 Calls From Extensions: Select all. Make Outbound Calls on Trunk: skypeforsip

As we can see from the Outbound Route of **'SkypeOut**', all phone numbers starting with 0 will be go through this outbound route.



| Outbound Route | |
|------------------------|--|
| Route Name(0): | SkypeOut |
| Dial Pattern 🛈 : | 0. |
| Strip ⁽¹⁾ : | 0 digits from front |
| Prepend these digits | before dialing |
| Password: | |
| T.38 Support | No |
| Rrmemory Hunt | No |
| Member Extensions | |
| Available Extensions | Selected |
| - | >>> 301(SIP) 302(SIP) → 303(SIP) ← 304(SIP) 305(SIP) ≪ 306(SIP) 307(SIP) ▼ |
| Member Trunks | |
| Available Trunks | Selected |
| | |

Figure 4 Outbound Route

Step 3. Make a test outgoing call

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, <u>**go to Chapter</u> 2**. If not, you have now successfully set up your Skype Connect to make outbound calls.</u>



2. Configure MyPBX with Inbound Calling

2.1 Receive Incoming Calls from Skype Users

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

Create a new business account in Skype Manager. For more information on creating a new business account, please see the <u>Skype Manager User Guide</u>.
 Click <u>View profile</u> next to the name of the SIP Profile to which you want to add the business account.

| Solo manager | | | | | |
|------------------------------------|---|---|--|--|--|
| 🕰 🔐 Features | | | | | |
| S Credit allocations 18 members | Skype Connect | | | | |
| Subscriptions 1 member | Connect your existing SIP-enabled PBX to Skype with Skype Connect | t. Learn more | | | |
| Voicemail 3 members | Your SIP Profiles | | | | |
| Skype Numbers O members | Set up a SIP Profile | | | | |
| Call forwarding 0 members | ····· | | | | |
| Skype Connect 1 profile | Channels | 1 channels | | | |
| | Outgoing calls | Set up outgoing calls | | | |
| | | Making regular calls to the US? Set up US minute bundles | | | |
| | Incoming calls | Set up incoming calls | | | |

Figure 5 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.mypbx 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.mypbx 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 6 Add Business Account

5) Click Confirm.

Step 2. Set up the online number on MyPBX.

Path: PBX→Trunks→VoIP trunk → Edit trunk `**skypeforsip**'

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

| Edit VoIP Trunk - skypeforsip | x |
|-------------------------------|---|
| Provider Name: | skypeforsip |
| Hostname/IP: | sip.skype.com : 5060 |
| Domain: | sip.skype.com |
| User Name: | 9905000014360 |
| Authorization Name: | 9905000014360 |
| Password: | |
| From User: | |
| Online Number 🛈 : | 500 |
| Maximum Channels 🛈 : | 0 |
| Caller ID 🕦 : | 9905000014360 |
| | Enable Outbound Proxy Server |
| Codecs : | First: a-law 💌 Second: u-law 💌 Third: GSM 💌 |
| | Fourth: None Fifth: None |
| Transport: | UDP Enable SRTP |
| DTMF Mode: | rfc2833 🔹 |

Figure 7 Configure Online Number

Step 3. Create Inbound Route for Skype incoming calls.

Path: PBX→Inbound Call Control→Inbound Routes



| General Route Name ● : Skypeln DID Number ● : | |
|--|---|
| Route Name ●: Skypeln DID Number ●: Extension ●: Caller ID Number ●: Distinctive Ringtone ●: Distinctive Ringtone ●: Enable Callback : No ▼ Callback Settings Member Trunks● Available Trunks Selected pstn5(FXO) pstn6(FXO) pstn8(FXO) pstn9(FXO) | |
| DID Number ● : Extension ● : Caller ID Number ● : Distinctive Ringtone ● : Distinctive Ringtone ● : Enable Callback : No ▼ Callback Settings Member Trunks ● Available Trunks Selected pstn5(FXO) pstn6(FXO) pstn8(FXO) pstn9(FXO) | |
| Extension ③ : Caller ID Number ④ : Distinctive Ringtone ④ : Enable Callback : No ▼ Callback Settings Member Trunks Available Trunks Selected pstn5(FXO) pstn6(FXO) pstn7(FXO) pstn8(FXO) pstn9(FXO) | |
| Caller ID Number Distinctive Ringtone Enable Callback : No ▼ Callback Settings Member Trunks Available Trunks Selected pstn5(FXO) pstn6(FXO) pstn6(FXO) pstn7(FXO) pstn8(FXO) pstn9(FXO) | |
| Distinctive Ringtone I Enable Callback : No ▼ Callback Settings Member Trunks Available Trunks Selected pstn5(FXO) pstn6(FXO) pstn7(FXO) pstn8(FXO) pstn9(FXO) | |
| Enable Callback : No ▼ Callback Settings Member Trunks ✓ ✓ Available Trunks Selected pstn5(FXO) → pstn6(FXO) → pstn7(FXO) → pstn8(FXO) → pstn9(FXO) → | |
| Member Trunks Callback Settings Available Trunks Selected pstn5(FXO) >>> pstn6(FXO) >>> pstn7(FXO) → pstn8(FXO) → pstn9(FXO) → | |
| Member Trunks Selected Available Trunks Selected pstn5(FXO) skypeforsip(SIP) pstn6(FXO) → pstn8(FXO) → pstn9(FXO) → | |
| Available Trunks Selected pstn5(FXO) skypeforsip(SIP) pstn7(FXO) → pstn8(FXO) → pstn9(FXO) → | |
| pstn5(FXO) skypeforsip(SIP) pstn6(FXO) >> pstn7(FXO) → pstn8(FXO) → pstn9(FXO) → | |
| pstn10(FXO) 192.168.4.141(SPS) | * |
| Business Days | |
| Office Hours : default | |
| Office Hours Destination : Extension 500 | • |
| Non-office Hours Destination : Extension - 500 | • |
| During Holidays | |
| Holiday : | |
| Destination : Extension - 500 | • |

Figure 8 Inbound Route for Business Account

Route Name: SkypeIn Trunk Sequence: skypeforsip Office Hours Destination: Extension-500 Non-Office Hours Destination: Extension-500

As we can see from the Inbound Route of **`SkypeIn**', all incoming calls will be sent to the Extension 500.

Step 4. Test the Call.

All calls from other Skype users to this account (yeastar.mypbx) will be routed to the extension 500.



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.

| Siver manager™ | | | | | |
|------------------------------------|---|---|--|--|--|
| 🕰 🤐 Features | | | | | |
| S Credit allocations 18 members | Skype Connect | | | | |
| Subscriptions 1 member | Connect your existing SIP-enabled PBX to Skype with Skype Connect. Learn more | | | | |
| Voicemail 3 members | Your SIP Profiles | | | | |
| Skype Numbers O members | Set up a SIP Profile | | | | |
| Call forwarding 0 members | | | | | |
| Skype Connect | | 1 channala | | | |
| | Outgoing calls | Set up outgoing calls | | | |
| | | Making regular calls to the US? Set up US minute bundles | | | |
| | Incoming calls | Set up incoming calls | | | |

Figure 9 View Skype SIP Profile

2) Click Set up incoming calls.

| 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 | | | |
| | Allocate a number: | | | |
| | Buy a new number | | | |
| | | | | |

Figure 10 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 <u>Skype</u> <u>Manager User Guide</u>.



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

Step 2. Set up the Online Number on MyPBX.

Path: PBX → VoIP Trunk → Edit trunk `**skypeforsip**'

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

| Edit VolP Trunk - skypeforsip | x |
|-------------------------------|---|
| Provider Name: | skypeforsip |
| Hostname/IP: | sip.skype.com : 5060 |
| Domain: | sip.skype.com |
| User Name: | 99050000014360 |
| Authorization Name: | 99050000014360 |
| Password: | |
| From User: | |
| Online Number | 05925503309 |
| Maximum Channels 🛈 : | 0 |
| Caller ID 🚺 : | 99050000014360 |
| | Enable Outbound Proxy Server |
| Codecs : | First: a-law 💌 Second: u-law 💌 Third: GSM 💌 |
| | Fourth: None Fifth: None |
| Transport: | UDP 💌 Enable SRTP 🛈 : 🔲 Qualify: 🔽 |
| DTMF Mode: | rfc2833 💌 |

Figure 11 Configure Online Number

Step 3. Create Inbound Route for Skype online number incoming call **Path:** PBX→Inbound Call Control→Inbound Routes



| Ade | d Inbound Route | | | | х |
|-----|---|--------------|--------------|------------------|---|
| [| General | | | | |
| | I | Route Name 🛈 | : OnlineCall | | |
| | [| DID Number 🛈 | : | | |
| | | Extension 🛈 | : | | |
| | Caller | ID Number 🛈 | : | | |
| | | | | | |
| | Enable Callback : No Callback Settings | | | | |
| | | | | Janback Octanigo | |
| | Member Trunks | | | | |
| | pstn5(FXO) pstn6(FXO) pstn7(FXO) pstn8(FXO) pstn9(FXO) pstn10(FXO) 192.168.4.141(SPS) | A | ≫≫ → ≪≪ | skypeforsip(SIP) | × |
| [| – Business Days ––––– | | | | |
| | Office Hours : | default | • | | |
| | Office Hours Destination : | IVR | • | IVR welcome | - |
| | Non-office Hours Destination : | IVR | • | IVR welcome | • |

Figure 12 Inbound Route for Online Number

Route Name: OnlineCall

Trunk Sequence: skypeforsip

Office Hours Destination: IVR

Non-Office Hours Destination: IVR

As we can see from the Inbound Route of **'OnlineCall**', all incoming calls will go to MyPBX IVR.

Step 4. Test the call.

When someone calls the online number associated with the SIP profile from a landline or mobile phone, the call will be routed to MyPBX IVR.

<End>

