

## **Clearfly SIP Trunk**

### **Configuration with Yeastar S-Series VoIP PBX**

## Configuring a VoIP Trunk

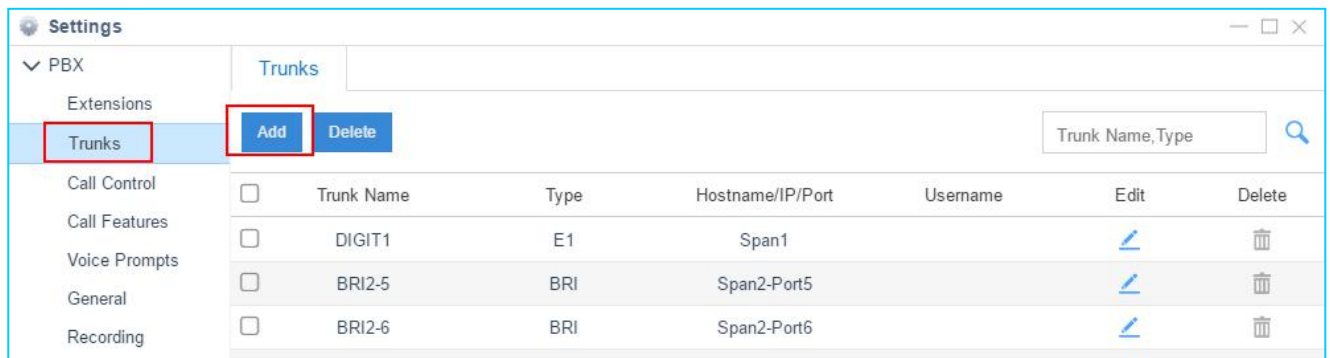
### Step 1: Create an Account with the Clearly VoIP Provider

To start with, you need to have an account from the Clearly VoIP provider. Please visit the website to get a SIP account: <https://www.clearfly.net/>.

### Step 2: Add the VoIP Provider Account in S-Series PBX

After you get the VoIP provider account, you need to configure the account in Yeastar S-Series.

1. Go to **Settings > PBX > Trunks**, click **Add**.



2. Enter the SIP account details into the pop-up window.

**Add VoIP Trunk**

Basic | Codec | Advanced | DOD | Adapt Caller ID

Trunk Status: Enabled

Protocol: SIP

Trunk Type: Register Trunk

Transport: UDP

Provider Name: Clearly

Hostname/IP: sc.cfly.co : 5060

Domain: sc.cfly.co

Username: [Redacted]

Password: [Redacted]

Authentication Name: [Redacted]

From User: [Redacted]

Caller ID Number: [Redacted]

Caller ID Name: [Redacted]



☐ Enable Outbound Proxy

Outbound Proxy Server: [Redacted] 5060

Save Cancel

- **Protocol:** SIP
- **Trunk Type:** Register Trunk



- **Provider Name:** give a name for the VoIP trunk.
  - **Transport:** UDP
  - **Hostname/IP:** sc.cfly.co
  - **Domain:** sc.cfly.co
  - **Username:** your Clearly Account user name
  - **Authorization Name:** the same as the user name
  - **Password:** your Clearly Account password
3. Click **Save** button and **Apply**. Go to **PBX Monitor** App to check if the Service Provider trunk is connected successfully.

Trunks			
<input type="text" value="cl"/> 			
Trunk Status	Trunk Name	Type	Hostname/IP/Port
	<a href="#">Clearly</a>	SIP-Register	sc.cfly.co

## Outbound Route with Clearly SIP Trunk





To make outbound calls via the new created SIP trunk, you need configure an outbound route for the trunk.

1. Go to **Settings > PBX > Call Control > Outbound Routes**, click **Add**.

Settings						
PBX Extensions Trunks <b>Call Control</b> Call Features Voice Prompts	Inbound Routes <b>Outbound Routes</b> AutoCLIP Routes   SLA   Time Conditions					
	<input type="button" value="Add"/> <input type="button" value="Delete"/>					
	<input type="checkbox"/>	Name	Dial Pattern	Edit	Delete	Priority
	<input type="checkbox"/>	skypeout	X.			<input type="button" value="↑"/> <input type="button" value="↓"/> <input type="button" value="↕"/> <input type="button" value="↕"/>

2. Configure the outbound route.

### Note:

- The system compares the number with the pattern that you have defined in your route 1. If matches, it will initiate the call using the selected trunks. If it does not, it will compare the number with the pattern you have defined in route 2 and so on. The outbound route which is in a higher position will be matched firstly.
- Adjust the outbound route sequence by clicking these buttons    .

**Add Outbound Routes**

Name: Clearly\_OUT

Dial Patterns:

Patterns	Strip	Prepend	Edit	Delete
8.	1			

Member Trunks:

Available:

- MCN (SIP-Register)
- DIDLogic (SIP-Register)
- ITC2t (SIP-Register)
- Aasani (SIP-Register)

Selected:

- Clearly (SIP-Register)

Member Extensions:

Available:

- 2000 - DID103
- 2005 - ICT039
- 2006 - nexv1
- 2003 - dsq
- 2004 - MCN251

Selected:

- 2001 - kelly2001
- 2002 - kelly2002
- 2007 - 2007
- 2008 - Cfly1

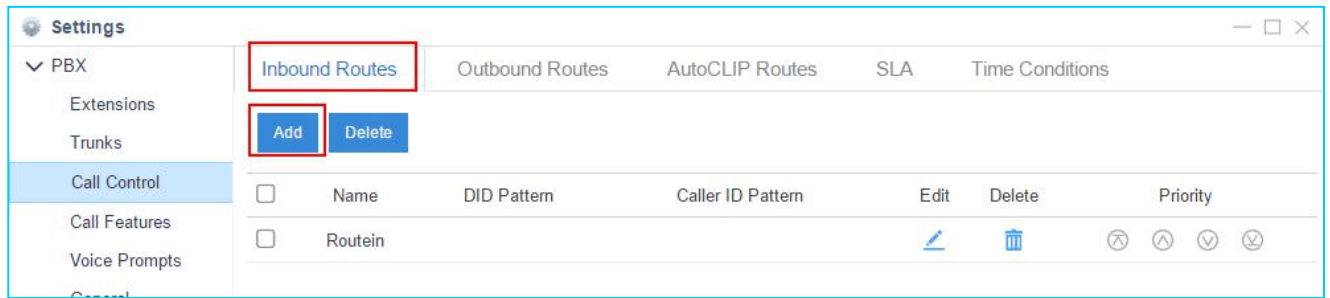
- **Route Name:** give a name for the outbound route.
- **Dial Patterns:** set the dial patterns. As the settings below, to make calls via the Clearly SIP trunk, you need precede the number to be dialed with the prefix 8.
  - Dial Pattern: **8.**
  - Strip: **1**
- **Member Extensions:** select the extensions that are allowed to make calls through the outbound route.
- **Member Trunks:** select the Clearly SIP trunk.

3. Click **Save** and **Apply Changes**. Now you can make outbound calls through the Clearly SIP trunk. As the dial patterns configured above, you need dial digit 8 before the destination number. For example, to call the number 17373621819, you need dial 817373621819 on your phone.

## Inbound Route with Clearly SIP Trunk

Specify how calls from the Clearly SIP trunk should be routed. You need configure an inbound route for the SIP trunk.

1. Go to **Settings > PBX > Call Control > Inbound Routes**, click **Add**.



## 2. Configure the inbound route.

The 'Add Inbound Route' dialog box is shown. It has several fields: 'Name' (set to 'Clearly\_IN'), 'DID Pattern', 'Caller ID Pattern', and 'Member Trunks'. The 'Member Trunks' section has two columns: 'Available' and 'Selected'. The 'Available' column lists 'MCN (SIP-Register)', 'DIDLogic (SIP-Register)', 'ITC2t (SIP-Register)', and 'Aasani (SIP-Register)'. The 'Selected' column lists 'Clearly (SIP-Register)'. There are arrows between the columns to move items. At the bottom, there is a checkbox for 'Enable Time Condition' and a 'Destination' field with two dropdown menus, the first set to 'IVR' and the second to '6500'.

- **Name:** specify the inbound route.
  - **Member Trunks:** choose the Clearly SIP trunk.
  - **Destination:** select the destination where the incoming calls will be routed.
3. Click **Save** and **Apply**. When you call in the SIP trunk, the call will be routed to the destination configured on the inbound route.