



Registering a Dolby Conference Phone to Twilio as a SIP Phone

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1 Introduction

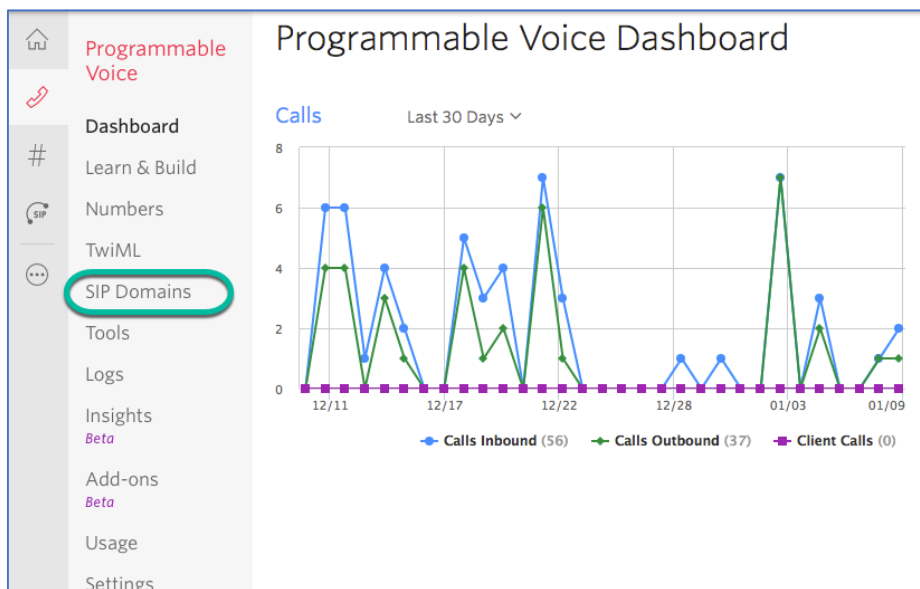
This guide demonstrates how to register a Dolby Conference Phone to Twilio as a SIP phone using the Twilio Console and Dolby Conference Phone user interface.

This guide does not cover the TwiML configuration needed for inbound or outbound calling to and from the Dolby Conference Phone.

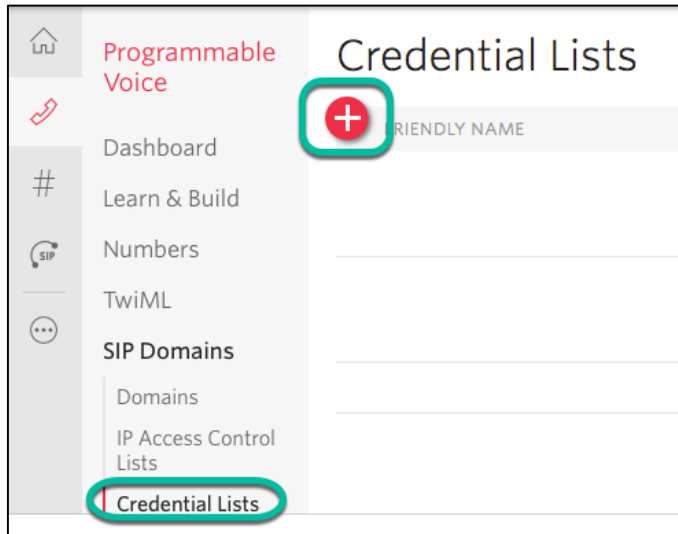
For all Dolby Conference Phone assistance email dvdeploymentsupport@dolby.com

2 Creating a Credential List and a SIP Domain

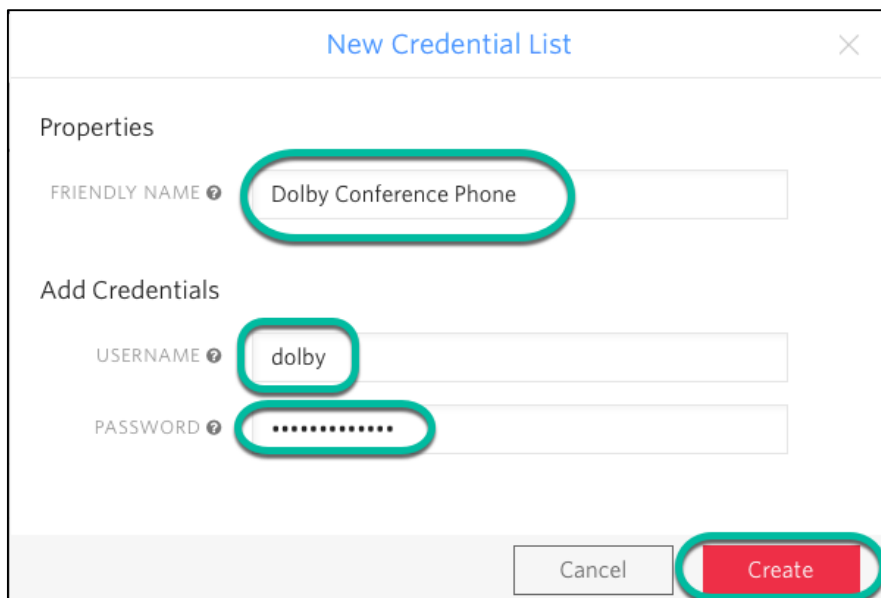
1. In the **Programmable Voice Dashboard** click on **SIP Domain**.



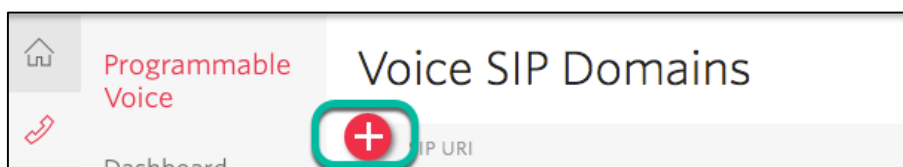
2. Click on **Credential Lists** and then click the **“Plus”** button to create a new **Credential List**.



3. Enter a **Friendly Name**, **Username**, and a **Password** that conform to Twilio’s password policy. Click **Create**.



4. To Create a SIP Domain, click on **Domains** and then click the **“Plus”** button.

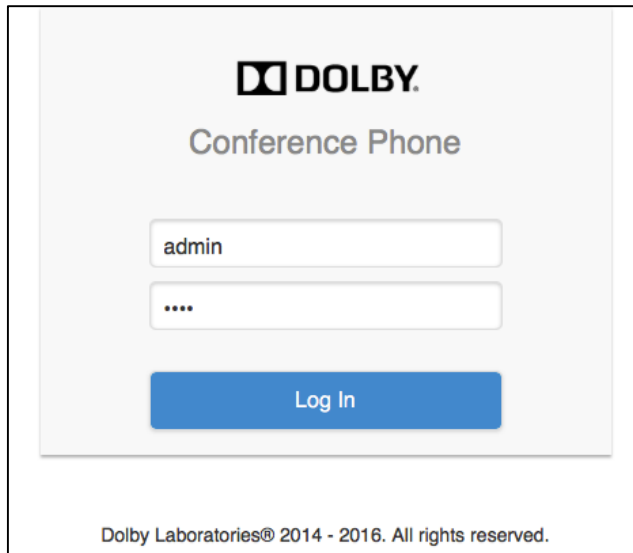


5. Complete the following steps:
 - a. Add a **Friendly name**, a customer **SIP URI**, and enter in the **Friendly Name** of the Credential list you just created for the Dolby Conference Phone.
 - b. Click **ENABLED** for the Endpoint Registration and enter the Friendly name of the Credential list you just created and click **Save**.

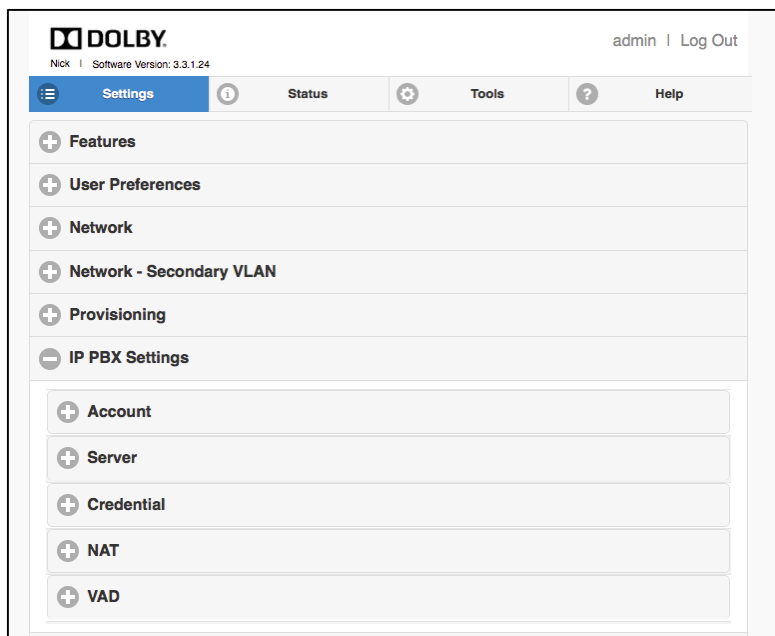
The screenshot shows the Twilio Programmable Voice configuration interface. On the left is a navigation sidebar with options like Dashboard, Learn & Build, Numbers, TwiML, SIP Domains, Tools, Logs, Insights, Add-ons, Usage, and Settings. The main content area is titled 'SIP Domains' and shows configuration for a domain. Key fields include 'Friendly Name' (Dolby Conference Phone) and 'SIP URI' (dolbyconferencephone@.sip.twilio.com). The 'Voice Configuration' section has fields for Request URL, Fallback URL, and Status Callback URL, all set to HTTP POST. The 'Voice Authentication' section shows 'Dolby Conference Phone' selected as the credential list. The 'SIP Registration' section has the 'ENABLED' radio button selected, indicating that endpoints can register with this domain. A red 'Save' button is highlighted at the bottom.

3 Configuring the Dolby Conference Phone

1. Using a browser, navigate to the IP address of the Dolby Conference Phone, and log in with the Dolby default user name and password of **admin** and **1739**.



2. In the phone user interface, go to **Settings** and expand **IP PBX Settings**.



- Expand **Account** and enter a **Display Name** and the user name from the Credential List you created for the Dolby Conference Phone. Change the **Transport** type to **UDP** and click **Save**.

IP PBX Settings

Account

Display Name: Twilio enabled DCP

Extension Number/Address: dolby

Display Number: 5060

Transport Type: UDP

Secure Media: Mandatory

Transport Port: 5060

Server, Credential, NAT, VAD

Reset Save

- Expand **Server** and enter the **<SIP domain>.sip.us1.twilio.com** for the **SIP Domain Name** and click **Save**.

IP PBX Settings

Server

SIP Domain Name: dolbyconferencephone.sip.us1.twilio.com

Primary Call Server/Outbound Proxy

Primary Server/Outbound Proxy Port: 5060

Secondary Call Server/Outbound Proxy

Secondary Server/Outbound Proxy Port: 5060

SIP URI Scheme: On

Only accept call server SIP events: On

SIP Registration Timeout (seconds): 32

PBX Codec List: G722,G711U,G711A,iLBC,G729AE

In band DTMF: Off

Credential, NAT, VAD

Reset Save

- Expand **Credential** and enter the password for the user in the Credential list you created for the Dolby Conference Phone and click **Save**.

The screenshot shows the 'IP PBX Settings' configuration page. The 'Credential' section is expanded, revealing fields for 'User Credential Name', 'User Credential Password', 'Confirm User Credential Password', and 'Server Realm'. The 'User Credential Password' and 'Confirm User Credential Password' fields are circled in red. At the bottom right, the 'Save' button is also circled in red.

4 Confirming Dolby Conference Phone Registration to Twilio

- In the Dolby Conference Phone user interface, go to **Status** and expand **System** and **Device**.

The screenshot shows the Dolby Conference Phone user interface. The 'Status' tab is selected and highlighted with a red circle. Below it, the 'System' section is expanded, and the 'Device' section is also expanded. The 'Device' section shows a table with the following data:

Serial Number	
Device Setup Completed	true
Configuration Errors	
Board Revision	0x0c0

2. Scroll down to **SIP Registered** and **Registration Response**. A 200 OK message confirms successful registration to Twilio.

System Warning	✓
Network - Primary VLAN	✓
Network - Secondary VLAN	●
SIP Registered	✓
SIP Registration Response	200 OK
Active SIP Registrar	dolbyconferencephone.sip.us1.twilio.com
Active SIP Transport	UDP

3. Confirm registration from the Twilio Console by navigating to the **SIP Domain**. Click on **Registered SIP Endpoints** and enter the user name in the Credential List you created for the Dolby Conference Phone.

The screenshot shows the Twilio Console interface for the domain `dolbyconferencephone.sip.twilio.com`. The left sidebar contains navigation options: Programmable Voice, Dashboard, Learn & Build, Numbers, TwiML, SIP Domains, Domains, and IP Access Control Lists. The main content area is titled "Registered SIP Endpoints" and includes a search bar with the text "Search for a Username to see all Registered SIP Endpoints associated with that Username." The search results show 2 results for 'dolby', with one entry expanded to show details:

DISPLAY NAME	USER AGENT	CONTACT	EXPIRES
Twilio Enabled DCP	Dolby Conference Phone/3.3.1.24		21:48:17 UTC 2018-01-09