

Connecting with *VoiceStep*

VoiceStep (<http://www.voicestep.com/>) offers telephone service using the VoIP standard SIP. This service allows users to make or receive VoIP calls to or from VoIP telephone numbers, and to make VoIP calls to PSTN telephone numbers. This document explains how to use OnDO PBX with *VoiceStep*.

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1. Setting Up a VoiceStep Account

Please obtain an account from the VoiceStep website (<http://www.voicestep.com/>).

User Name	9495595842 (example)
Server Name	proxy1.west.voicestep.com (example)
Password	*****

We use proxy1.west.voicestep.com as the proxy server throughout this document. Make sure you are able to send and receive calls from your soft phone before proceeding to the next section.

Note: VoiceStep offers four proxy servers, you can choose anyone of the proxy servers given below:

1. proxy1.west.voicestep.com
2. proxy1.east.voicestep.com
3. proxy2.west.voicestep.com
4. proxy2.east.voicestep.com

2. ARS Configuration for VoiceStep

To define ARS settings for your account:

- 1) Choose **[ARS]** in the PBX Admintool.
- 2) Type a route name in the entry field.
- 3) Click **[Create a new route]**. Your new route will appear in the list above.
- 4) Click the **[Edit]** button next to your new route to define conditions.

Please see the following sections of this document for ARS settings relevant to *VoiceStep* service.

For more information on ARS settings, please refer to the OnDO PBX Administrator's Guide (Advanced).

2.1. General Settings

Register URI	sip:9495595842@proxyl.west.voicestep.com
Realm	
Proxy Address	proxyl.west.voicestep.com
User ID/Number	9495595842
Password	*****

In the **[Register URI]** field, enter your user ID/number and the server name in the format shown above. Enter the server/proxy address, your User ID/number, and password as assigned to you in the appropriate fields.

2.2. Pattern Settings

2.2.1. Incoming Call Pattern

Direction	IN
Matching patterns: From	
Matching patterns: To	sip:9495595842@
Deploy patterns: From	
Deploy patterns: To	<OnDO PBX extension number>
Ignore Priorities smaller than No.	1
Deploy patterns: DTMF	
RTP relay	on(G.711 u only)

To direct incoming calls from PSTN callers or VoIP callers, enter your user ID in the **[Matching patterns: To]** field, in the format shown above. All calls terminated on your user ID/number will be directed to the extension set in the **[Deploy patterns: To]** field.

2.2.2. Outgoing Call Pattern

Direction	OUT
Matching patterns: From	
Matching patterns: To	sip:9(.+)
Deploy patterns: From	"9495595842" <sip:9495595842@proxy1.west.voicestep.com>
Deploy patterns: To	sip:\$1@proxy1.west.voicestep.com
Ignore Priorities small than No.	1
Deploy patterns: DTMF	
RTP relay	on(G.711 u only)

This rule handles calls made by OnDO PBX users via *VoiceStep*: dialing 9 first to calls placed outside of the PBX. In the **[Matching patterns: To]** field, "9" represents the dialing prefix, and (.+) represents any number of dialing digits. The **[Deploy patterns: To]** will automatically remove the prefix, 9, from all outgoing calls.

2.3. Priorities

Direction	IN/OUT
Max sessions	-1
Priorities	100

In this example, all priority settings have been left at their respective default values. To give this rule a higher priority, set its Priority to a number with a lesser value. In the **[Max sessions]** field, -1 indicates an unlimited amount.

3. OnDO SIP Server Dial Plan Settings

Dial Plan can accommodate the unique requirements of each VoIP service provider.

For outbound calls:

Matching Patterns	Deploy Patterns
<pre>\$request = ^INVITE To = (voicestep\.com) \$port = 15062</pre>	<pre>\$auth = off</pre>

✓ *This Dial Plan needs to be placed before "to PBX1" (default dial plan).*

For inbound calls:

Matching Patterns	Deploy Patterns
<pre>\$addr = ^64\.27\.1\.167 \$request = ^INVITE To = (.+)</pre>	<pre>\$target = localhost:15060 To = %1 \$auth =off</pre>

✓ *This Dial Plan needs to be placed before "to PBX" (default dial plan).*

4. Notes for Dial Plan Settings

- ◆ This Dial Plan allows calls from the *VoiceStep* line to pass through OnDO SIP Server.
- ◆ Note that you may need to update Dial Plan rules that include *Voice Step*'s SIP Server IP address. *VoiceStep* may change their Server's IP address at any time. Please make sure that the variable "\$addr" has the same the IP address of *VoiceStep*'s SIP Server which you have specified at [Proxy address] field of [ARS Settings].
- ◆ In this tutorial guide, **[RTP relay]** is set for "on (G.711 u only)" in ARS deploy pattern setting. In some cases, setting **[RTP relay]** = "off" may work; however, we have not tested all of the applicable environments.