Connecting with *iConnectHere* service

iConnectHere (http://www.iconnecthere.com/) is the consumer division of deltathree, Inc. deltathree is a leading provider of high-quality Internet telephony products and services worldwide. This document will explain how to utilize OnDO PBX with *iConnectHere* service

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1. Setting up an *iConnectHere* account

1) Go to the *iConnectHere* website. http://www.iconnecthere.com/

2) Sign up for "Broadband Phone" service.

3) Follow the screen-by-screen sign-up instructions.

4) At "Step 3: Select Accessory", you may choose to purchase a VoIP phone directly from *iConnectHere*.

5) You will receive an email from *iConnectHere* to confirm the telephone number, User ID, and password of the account you've just set up.

iConnectHere Telephone number	1555#######
UserID	User ID
Password	******

2. ARS Configuration for *iConnectHere*

To define ARS settings for your *iConnectHere* account:

1) Choose **[ARS]** in the PBX Admintool.

2) Type a route name in entry field (we suggest iConnectHere)

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.

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

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

2.1. General Settings

Register URI	sip:1555#######@sipauth.deltathree.com
Realm	
Proxy Address	
User	User ID
Password	******

In the **[Register URI]** field, enter your *iConnectHere* phone number in the format shown above.
Enter your User No and password as assigned by *iConnectHere* in the appropriate fields.

Important Notes: If you are experiencing a call connection problem where the call is
disconnected after a short period of time, you must set this property
net.sip.sendbye.aftercancel = false in the file <PBX installed
dir>\pbx\webapps\pbx\WEB-INF\work\pbx\setting.properties

2.2. Pattern Settings

2.2.1. Incoming call pattern

Direction	IN
Matching patterns: From	
Matching patterns: To	sip:1555#######@
Deploy patterns: From	
Deploy patterns: To	OnDO PBX extension number
Ignore Priorities smaller than No.	1
Deploy patterns: DTMF	
RTP relay	on

To direct incoming calls, enter your *iConnectHere* number in the **[Matching patterns: To]** field, in
the format shown above. Call received by your *iConnectHere* number will be directed to the
extension set in the **[Deploy patterns: To]** field.

2.2.2. **Outgoing call pattern for 7-digit local calls**

Direction	OUT
Matching patterns: From	
Matching patterns: To	sip:9(.{7})@
Deploy patterns: From	"1555#######"<sip:1555#######@sipauth. deltathree.com>
Deploy patterns: To	sip:1555$1@sipauth.deltathree.com
Ignore Priorities small than No.	1
Deploy patterns: DTMF	
RTP relay	on

This rule handles calls made by OnDO PBX users in the following format: **9-###-####**

In the **[Matching patterns: To]** field, "9" represents the dialing prefix, and {7} represents the number of dialed digits. The **[Deploy patterns: To]** will automatically add the prefix 1+area code (1555) to all outgoing calls dialed with seven digits.

2.2.3. **Outgoing call pattern for long distance calls**

Direction	OUT
Matching patterns: From	
Matching patterns: To	sip:9(.+)@
Deploy patterns: From	"1555#######"<sip:1555#######@sipauth. deltathree.com>
Deploy patterns: To	sip:$1@sipauth.deltathree.com
Ignore Priorities small than No.	1
Deploy patterns: DTMF	
RTP relay	on

This rule is different from the one above in that it's designed for outgoing calls dialed with an area code. As above, the dialing prefix is set to 9, so outgoing calls would have the following format:

9-1-area code-###-####

The contents of the **[Matching patterns: To]** field are same as above, except that the {7} has been replaced with +. The contents of the **[Deploy patterns: To]** field are also the same as above, except that this rule does not add 1+area code to the dialed number.

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2.3. Priorities

Direction	IN/OUT
Max sessions	-1
Priorities	100

Here, 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.

Making calls with *iConnectHere* service

Matching Patterns	Deploy Patterns
`$request=^INVITE` `to=(.*\.deltathree\.com)`	`&net.sip.addrecordroute.lr=false` `$auth=off`

✓ *This Dial Plan needs to be placed before "from PBX 1" (default dial plan).*

Receiving calls to an *iConnectHere* number

Matching Patterns	Deploy Patterns

`$addr=^213\.137\.73\.`
`$request=^INVITE`
`to=(.*)`
	`&net.sip.addrecordroute.lr=false`
	`$target=localhost:15060`
	`To=%1`
	`$auth=off`

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

4. OnDO SIP Server Config Settings

Under the Configuration settings choose System and in the Network section put the Internet side address of your Broadband router. This settings is necessary when OnDO SIP Server is behind a router

Interface address 1	197.166.8.99 (example)

- *If your OnDO SIP Server is behind a router please set the port forwarding as described below:*

First, you will need to set port forwarding at the router located between the global network and your local network to forward packets with specific destination port numbers to the OnDO SIP Server. The ports you need to forward can be as follows:

```
Config > SIP [(General)] > SIP exchanger – Local Port [UDP]
Default value:  5060
Config > RTP > RTP exchanger – From Minimum Port to Maximum Port [UDP]
Default value:  10000-10999
```

5. Notes for Dial Plan settings

♦ This Dial Plan allows calls from the *iConnectHere* line to pass through without authentication from OnDO SIP Server.

♦ In your Dial Plan, please ensure that the record route parameter does not include "lr" for calls via *iConnectHere*. If this parameter is included, you may not be able to connect with *iConnectHere*.

♦ *iConnectHere* uses a SIP proxy server (natrelay.deltathree.com) that supports Far-End NAT Traversal. When your environment does not require Near-End NAT Traversal, we recommend that you use their proxy server for your NAT Traversal needs.

♦ Note that you may need to periodically update Dial Plan rules that include *iConnectHere's* SIP Server IP address. *IConnectHere* may change their Server's IP address at any time.

♦ In this tutorial guide, [RTP relay] is set for "on" in ARS deploy pattern setting. In some cases, setting [RTP relay] = "off" may work; however, we have not tested all of the applicable environments.