



Quick Setup Guide



support@telstrom.net www.telstrom.net

The OneStream in conjunction with your NEC Communications System can provide a range of features from SIP to GSM trunking to interconnecting remote branch offices offering local PSTN break out.

SIM Card Setup (applies to incoming GSM calls to the OneStream)

Contact your mobile provider and request the following be changed on the SIM cards

- Voicemail turned off
- Call Waiting turned off
- Divert on busy turned on to goto the next SIM, when the first SIM is busy.


Antenna Setup

Place the antennas vertically, and must be mounted at least one meter away from other electronic devices. The best location is on or close to a window. An external antenna is available, please contact sales. For more information.

IP Address Setup

The OneStream by default is set to obtain a dynamic IP address assigned by your DHCP server on the network. To find what the IP address is download the OneStream scanner

http://www.telstrom.net/onestream_scanner.zip and run the application. It will scan your network and find the IP address that the OneStream has been allocated. Then open your browser, enter the

discovered IP address and enter the password of 12345678.  If you change the service password make a note of it.

The following is a simple setup to route calls FROM the PBX to GSM and vice a versa.

Groups - GSM

1. Select **Groups**
2. Select Add Group and Select GSM - Refer to Figure 1
3. Give it a name. e.g. GSM Network
4. If you will be using both SIMs tick both. You can also create a separate group for each SIM card.
5. Tick CLI, if you want the PBX to be notified of you're A Parties mobile number for incoming GSM calls.
6. Tick Confidence Tone, if you don't want a silent period when the OneStream establishes an outbound GSM call. "Diddy doo"
7. Hunting is only used, when using more than one SIM card.
8. Click Save

Name: GSM

Select Interfaces
Changing Interfaces Will Disconnect Any Active Calls!

GSM Module 1

GSM Module 2 IN GROUP "GSM RtgM. 1961"

Calling Options

CLI On Off

Confidence Tone On Off

Roaming On Off

Hunting

Save Cancel



QUICK SETUP GUIDE

1. Connect the antennas and insert SIMs.
2. Connect Safety Earth ground cable.
3. Connect RJ45 cable to switch, ensure DHCP Server is on.
4. For FXS/FXO connectivity remove bottom screw and slide cover and Krone.
5. For ISDN connect to relevant ports.
6. Power up and wait for RED LED to go off.
7. To discover what IP the OneStream has been assigned, download the scanner application from www.telstrom.net
8. Open browser to OneStream IP.
9. Enter default password: 12345678
10. Create relevant Groups (Refer to manual)
11. Create relevant Routes (Refer to manual)

TIPS:

FXO is connected to the PSTN provider or a extension line of the PBX.

FXS is connected to analogue handsets or PBX trunk.



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Groups – SIP Extension (PBX)

Why SIP Extension?

Normally you will set the IPBX to register against an ITSP (Internet Telephony Service Provider) therefore the OneStream emulates the ITSP. If you do not require registration against the OneStream, then use "SIP Network" (without registration).

1. Select **Groups** - **Figure 3**
2. Select **Add Group** and **Select SIP Extension**
3. Give it a name. e.g. **IPBX**
4. Username: **1234**
5. Password: **1234**
6. Click **Add**

Once the group has been added, you can now check if the line has been registered on the home page of the OneStream.

The screenshot shows the configuration page for adding a SIP Extension. The 'Interface Type' is set to 'SIP Extension'. The 'Name' field contains 'PBX'. Under 'SIP Extension', the 'SIP Port' is set to '5060', 'Call Limit' is '0', and 'NAT Traversal' is set to 'Disable'. Under 'Extensions', there is one entry with 'Username' '100' and 'Password' '●●●'. The page includes 'Add' and 'Cancel' buttons at the top and bottom.

Routes

The OneStream has very powerful routing and you can route from and to any of its groups. Please refer to the manual for a description of each group.

You can now easily create a route for each direction of the call flow.

This example creates a simple route for calls to and from the IPBX and GSM.

1. Select **Routes**
2. Click **Add Route**, for when a call comes from the PBX and out GSM to the mobile phone.
3. From: **PBX to GSM**
4. Dialed numbers: **s**
5. To Group: **GSM**
6. Click **Add**
7. Click **Add Route**, for when a call comes from a mobile phone and is sent to the PBX.
8. From: **GSM to PBX**
9. Dialed numbers: **?**
10. Originating numbers: **List of allowed numbers to call in.**
11. To Group: **IPBX**
12. Click **Add**

Advanced Settings

1. Set your country
2. GSM Voice Prompt: (This provides a voice "Please hold" while outbound GSM calls are established. Or you can use the "Diddy Doo" confidence tone setting under the GSM Group.)
3. Select your preferred codecs.
4. SIP Custom Options, leave as Off.

Testing

- Make a test call from the PBX to the OneStream, does it go out to GSM?
- Make a test call into the SIM of the OneStream, does it go to the PBX?

Support Contact

To best assist us in supporting you it is recommended to send a copy of your configuration file with a screen capture of the OneStream home screen with a brief description of the fault.

- Email: support@telstrom.net
- Web: www.telstrom.net
- Australia Phone: +61 2 800 770 32
- New Zealand Phone: +64 9 929 4960