

# Avaya IP Office Essential

## Linking IPO to Other Systems Via SIP Trunk

### Telquest tech Support

It is possible to link the Avaya IP Office Essential to telephone systems that support the Non Registration type of SIP Trunks. AKA: SIP Gateway or Trusted IP.

The basic functionality to allow Station to Station Calling along with the ability to Transfer calls from one system to another is dependent on the Remote System not the IP Office.

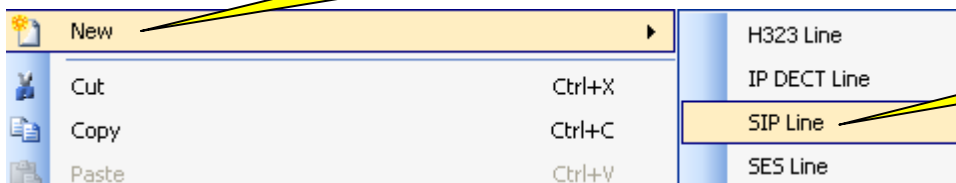
Before anything is done to the IP Office, a Point to Point VPN must be set up. This is due to the fact that the IP Office sends its LAN IP Address in the SIP Messages and not its Public IP Address.

#### Step 1: Create SIP Line

1. Right Click here...

Line (10)

2. Mouse Over here...

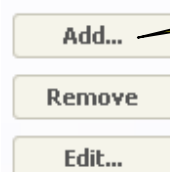


3. Click here...

4. Click here...



5. Click here...



**Edit SIP Credentials**

User name	IPOTest
Authentication Name	IPOTest
Contact	IPOTest
Password	
Expiry	60
Registration required	<input type="checkbox"/>

6. Fill in like this...

No Password  
No Registration

7. Click here...

OK

Cancel

Next Step: Set URI

1. Click here...

SIP Line Transport SIP URI VoIP T38 Fax SIP Credentials

**Edit Channel**

Via	<None>
Local URI	*
Contact	*
Display Name	*
PAI	None
Registration	1: IPOTest
Incoming Group	21
Outgoing Group	21
Max Calls per Channel	2

2. Fill in like this...

3. Your Group Number  
may be different

4. This determines the maximum number of conversations that can take place at the same time.  
This can not exceed the number of SIP Trunk Channels licensed in the KSU...

5. Click here...

OK

Cancel

## Next Step: Set Remote IP Address

1. Click here...

2. Enter the LAN IP Address of the remote PBX...

SIP Line Transport SIP URI VoIP T38 Fax SIP Credentials

ITSP Proxy Address 192.168.45.123

**Network Configuration**

Layer 4 Protocol UDP Send Port 5060

Use Network Topology Info None Listen Port 5060

Explicit DNS Server(s) 0 0 0 0 0 0 0 0

Calls Route via Registrar ☒

Separate Registrar

3. All remaining settings stay as they are...

## Page 4

### Next Step: Additional

**1. Click here...**

**2. This is the Incoming and Outgoing Group Number used on Page 2...**

**3. Uncheck this...**

**4. Click here...**

The screenshot shows the 'SIP Line' configuration page. The 'SIP Line' tab is selected. The 'Line Number' is set to 21. The 'ITSP Domain Name' is empty. The 'Prefix' is empty. The 'National Prefix' is 0. The 'Country Code' is empty. The 'International Prefix' is 00. The 'Send Caller ID' is set to None. The 'Association Method' is set to By Source IP address. The 'REFER Support' checkbox is checked. The 'Incoming' and 'Outgoing' group numbers are both set to Auto. The 'In Service' checkbox is checked. The 'Use Tel URI' checkbox is unchecked. The 'Check OOS' checkbox is unchecked. The 'Call Routing Method' is set to Request URI. The 'Originator number for forwarded and twinning calls' is empty. The 'OK' and 'Cancel' buttons are at the bottom right.

SIP Line	Transport	SIP URI	VoIP	TSP Fax	SIP Credentials
Line Number	21				
ITSP Domain Name					
Prefix					
National Prefix	0				
Country Code					
International Prefix	00				
Send Caller ID	None				
Association Method	By Source IP address				
<input checked="" type="checkbox"/> REFER Support					
Incoming	Auto				
Outgoing	Auto				
In Service	<input checked="" type="checkbox"/>				
Use Tel URI	<input type="checkbox"/>				
Check OOS	<input type="checkbox"/>				
Call Routing Method	Request URI				
Originator number for forwarded and twinning calls					

OK Cancel

## Next Step: Incoming Call Routing to Extensions

The screenshot shows the 'Incoming Call Route' configuration window. The 'Destinations' tab is selected. The 'Line Group Id' is set to '21'. The 'Destination' dropdown is set to '201 Operator 1'. The 'OK' button is highlighted.

1. Right Click here...

2. Click here...

3. Click here...

4. Set to the Line Number found on Page 4...

4. Click here...

5. Add the first extension in the IP Office system...

6. Click here...

TimeProfile	Destination
Default Value	201 Operator 1
*	

OK Cancel Help

You must repeat the steps on Page 5 for each extension in the IP Office.

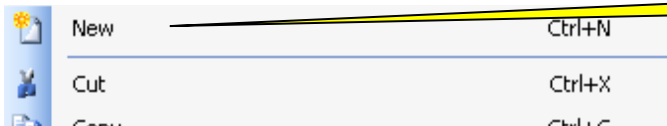
When you are done, it should look similar to this:

Incoming Call Route			
Line Group Id	Incoming Number	Destination	CLI
21	204	204 Extn204	
21	203	203 Extn203	
21	202	202 Extn202	
21	201	201 Operator 1	

## Next Step: Create a Dial Access Code for Outgoing Calls

9x Short Code (81)

1. Right Click here...



2. Click here...

Short Code		62N;; Dial
Code	62N;	<b>I am using 62 as an Access Code and Line Group ID is 21</b>  <b>You can change the Access Code and Line Group ID to be something different.</b>  <b>The Feature and Telephone Number must be set as indicated...</b>
Feature	Dial	
Telephone Number	N	
Line Group Id	21	
Locale		
Force Account Code	<input type="checkbox"/>	

**You will also need to:**

**Assign a Static LAN IP Address to the IP Office.**

**Set up an IP Route in the IP Office to the VPN Router.**

**These items are not covered in this Help sheet.**

**Save all your settings and then click the Blue Floppy icon to send the new configuration to the IP Office.**