

Configuring your Borderless IP Phone for pfingo

- 1) Please make sure you have signed up for a pfingo account and have the pfingo username and password before you start configuration of the IP Phone.
- 2) Press **V** button on the keypad to find out the IP address of IP phone. By default the IP Phone will automatically obtain an IP address from a DHCP Server on your network. The date time on the IP Phone should also be updated if Internet connectivity is established. If the IP Phone is unable to obtain an IP address, please refer to the user manual to manually configure a static IP address.
- 3) Enter the IP address of the IP Phone (for example http://192.168.1.120) into the address bar of web browser. The default login name and password are both "admin".
- 4) Under Account -> Basic, enter the information into the following fields:
 - a. Account -> Account 1
 - b. Account Active -> Enabled
 - c. Label -> Your DID Number (This will show up on the IP Phone LCD Screen)
 - d. Display Name -> Enter your pfingo username
 - e. Register Name -> Enter your pfingo username
 - f. User Name -> Enter your pfingo username
 - g. Password -> Enter your pfingo password
 - h. SIP Server -> sip.pfingo.com
 - i. NAT Traversal -> STUN
 - j. STUN Server -> stun.pfingo.com

Borderless Status **Account** Network DSSKey Phone Contacts Security

Basic

Codec

Advanced

Account	Account 1
Register Status	Registered
Account Active	Enabled
Label	YourDIDNumber
Display Name	username
Register Name	username
User Name	username
Password
SIP Server	sip.pfingo.com
Enable Outbound Proxy Server	Disabled
Outbound Proxy Server	
Transport	UDP
Backup Outbound Proxy Server	
NAT Traversal	STUN
STUN Server	stun.pfingo.com
Voice Mail	

NOTE

Display Name
SIP service subscriber's name which will be used for Caller ID display.

Register Name
SIP service subscriber's ID used for authentication.

User Name
User account, provided by VoIP service provider.

NAT Traversal
Defines the STUN server will be active or not.

Proxy Require
A special parameter just for Nortel server. If you login to Nortel server, the value should be: com.nortelnetworks.firewall

Codecs
Choose the codecs you want to use.

Advanced
The Advanced parameters for administrator.

Click on the 'Confirm' button to save the changes.

- 5) The webpage should refresh to show the Register Status as 'Registering' and subsequently as 'Registered'. You may have to manually refresh the webpage to update the status.
- 6) Under Account -> Advanced, select DTMF Type -> INBAND

The screenshot shows the 'Borderless' SIP configuration interface. The 'Account' tab is selected, and the 'Advanced' sub-tab is active. The 'DTMF Type' is set to 'INBAND', which is highlighted with a red box. Other settings include 'UDP Keep-alive Message' (Enabled), 'UDP Keep-alive Interval (seconds)' (30), 'Login Expire (seconds)' (3600), 'Local SIP Port' (5060), 'RPort' (Disabled), 'SIP_Session_Timer (seconds) T1' (0.5), 'SIP_Session_Timer (seconds) T2' (4), 'SIP_Session_Timer (seconds) T4' (5), 'Subscribe Period(seconds)' (1800), 'How to INFO DTMF' (Disabled), and 'DTMF Payload (seconds)' (101). A 'NOTE' box on the right states: 'The Advanced parameters for administrator.'

Click on the 'Confirm' button to save the changes.

- 7) To configure the IP Phone to use G729 codec under low bandwidth conditions, under Account -> Codec, move G729 to the top of the list.

The screenshot shows the 'Borderless' SIP configuration interface. The 'Account' tab is selected, and the 'Codec' sub-tab is active. The 'Audio codecs' section shows a list of 'Disable codecs' (G723_63, G726-16, G726-24, G726-32, G726-40, iLBC, G723_53) and a list of 'Enable codecs' (G729, PCMU, PCMA, G722). The 'G729' codec is at the top of the 'Enable codecs' list. There are 'Confirm' and 'Cancel' buttons at the bottom.

Click on the 'Confirm' button to save the changes.