



Quintum A400/A800 Configuration for Go2Call Service

Note: This document is intended to instruct users on the steps necessary to configure Quintum A400s and A800s for using Go2Call's Calling Service.

1. Login to the GW using console cable or telnet session. Enter config menu.
2. Go to the "UNIT" submenu and make sure you have the following configuration:

```
config#  
  
config# unit  
unit  
config unit# 1  
1  
config unit 1# print  
print  
Unit: 1  
IP Address = 10.1.1.10 ← Change this to your network IP address of the A400/A800 GW  
External IP Address = 0.0.0.0  
Name = a800-g2c  
  
Online = 1 ← Make sure you have 1 here  
Relay ResetTime = 240  
Relay Reset Number = 2
```

Important: For NAT and private IP Configuration, please note the following:

If your Quintum GW has a private IP address in the range of

10.x.x.x
172.16.x.x
192.168.x.x

Setup the Public IP on the "External IP Address=". The public IP address has to be static, otherwise you have to change the configuration every time the IP address changes.

For example, if you have the external IP address: 200.200.200.200, write External IP Address=200.200.200.200

3. Go to "SYS" submenu and check the line in blue (other parameters may vary)

```
config# sys  
sys  
config sys# print  
print  
Country Value = 3  
Country Code =  
Area Code =  
Minimum DN = 3 ← Enter 3 for the minimum dialed phone number digits  
Maximum DN = 20  
International Prefix:  
Long Distance Prefix =  
Carrier Selection Prefix:  
Intercom Used = no(0)  
Private DN Used = no(0)  
Interdigit Timeout = 4 sec.
```



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4. Go to "SYSLAN":

```
config# syslan
syslan
config syslan# print
print
Subnet Mask = 255.255.255.0 ← Change this to your network mask and default gateway
Default Gateway = 10.1.1.1
```

5. Go to "H323gw" menu:

```
config# h323gw
h323gw
config h323gw# print
print
Primary GK Address = 0.0.0.0
Primary Auto Discovery = 1
Secondary GK Address = 0.0.0.0
Secondary Auto Discovery = 0
H.323 ID = a800-g2c ← Change this to the desired name of your device
Register DN = Register as E.164 IDs(2)
Ignore Bandwidth in ACF = no(0)
Default H245 Tunneling = yes(1)
Round Trip Delay = 0
One Stage Dialing = 0
RRQ Interval = 0
H323 Interop Flags:
    H225 GW Protocol = h323(0)
    Do BRQ = 0
    SlaveSessionId0 = 0
    AllowFastStartOnly = No(0)
    RRQv3plus= No(0)

Do Lightweight RRQ = no(0)
```

6. Go to "DSP" configuration menu and change the codec to g729.

```
config dsp# print
print
Voice Coding algorithm = 68 ← Enter 68 (which is the value for codec g729)
Voice Information Field size = 160 bits
Silence Suppression = Enable(1)
Minimum Jitter buffer = 60 msec
Maximum Jitter buffer = 300 msec
Receive Gain (PCM->IP) = -2 dB
Transmit Gain (IP->PCM) = 0dB
Digit Relay = 0
Fax Relay Type = 1
T.38 Fax Low Speed Data Redundancy = 0
T.38 Fax High Speed Data Redundancy = 0
Fax Maximum Rate = 144
Fax Playout FIFO nominal delay = 600
Fax Coding = 0
Idle Time = 0
Answer Supervision Options = 0
```

7. Go to "PSTNTG" menu and set the name of the 1st trunk group:

```

config#

config# pstn
pstn
config pstntg# 1
1
config pstntg 1# name PSTN_TRUNK_1 ← You can enter any desired name
name PSTN_TRUNK_1
config pstntg 1#
config pstntg 1# print
print
                                PSTN Trunk Group: 1
Name = pstn_trunk_1
Pass Through = no(0) ← To setup this use command: passthru 0
PT Trunk ID = 0
Provide Call Progress Tone = no(0)
Busyout = no(0)
Hunt Algorithm = ascending(0)
Modem Bypass = no(0)
Direction = both(2)
DN Used = public ← config pstntg 1# dnused 0
End Of Dial = yes(1)
End Of Dial Digit = #
Add End of Dial Digit = no(0)
Ivr Type = None
External Routing Request = no(0)
Auto Switch Enable = no(0)
Forced IP Routing # = none
Trunk ID(Account Code) = none
Trunk ID Delivery = none
2 Stage Dial = No
IP Extension = yes(1) ← config pstntg 1# ipextension 1
    channel    ip-addr    dnis    rmt-line chan
    channel *: 69.25.241.12 2729 ← config pstntg 1#    ipmap *    69.25.241.12 2729
Maximum LAM Calls Allowed = 8
LAM: Index Pattern Replacement NumberType
Cas Signaling Type = loop start(1)
Cas Orientation = user(0)
Dial Tone Detect = yes(1)
Dial Delay Timeout = 1000
Answer Delay Timeout = 0
Flash-Hook Signaling = no(0)
Supervision = none(0)
Caller Id Detection = no(0)
dtmf-ontime = 100
dtmf-offtime = 100
Channel:
    unit# 1 line# 2: 1,2,3,4,5,6,7,8 ← config pstntg 1# enablechan 1 a

```

8. Exit to the main config menu and submit the changes:

```

config#
config# submit

```

9. Connect the PSTN line into PSTN port of the A400/800 GW.
10. Calling the PSTN phone number will connect the caller to the Go2Call IVR system and will be asked to provide PIN number.

Calling from the PBX side:

You can also connect a phone/fax to the PBX port of the A400/A800 Gateway. To do so, perform all of the previous configuration with the addition of the following:

1. Go to "PBXTG" submenu:

```

config#

config# pbx
pbx
config pbxtg# 1 ← Enter 1 for the first channel
1
config pbxtg 1# name PBX_TRUNK_1 ← Setup desired name
name PBX_TRUNK_1
config pbxtg 1# print
print
                                PBX Trunk Group: 1

Name = pbx_trunk_1
Pass Through = no(0)
PT Trunk ID = 0
Provide Call Progress Tone = no(0)
Multipath = no(0)
Hunt Algorithm = ascending(0)
Modem Bypass = no(0)
Direction = both(2)
DN Used = public
End Of Dial = yes(1)
End Of Dial Digit = #
Add End of Dial Digit = no(0)
Ivr Type = None
Partial TG = no(0)
External Routing Request = no(0)
Auto Switch Enable = no(0)
Forced IP Routing # = none
Trunk ID(Account Code) = none
Trunk ID Delivery = none
2 Stage Dial = No
IP Extension = yes(1) ← config pstntg 1# ipextension 1
    channel    ip-addr    dnis    rmt-line chan
    channel 1: 69.25.241.12 2729 ← config pstntg 1#    ipmap *    69.25.241.12 2729
Public Number of Digits = 7
Private Number of Digits = 7
Public Hunt Ldn's:
    1: XXXX-XXXX-XXXX ← This is your Go2Call PIN number: config pbxtg 1# huntpubldn XXXXXXXXXX
Private Hunt Ldn's:
BDN: Index Bdn
    Cas Signaling Type = loop start(1)
    Cas Orientation = net(2)
    Flash-Hook Signaling = yes(1)
        Flash-Hook Min = 200
        Flash-Hook Max = 700

```



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```
Supervision = none(0)
Caller Id Generation = no(0)
dtmf-ontime = 100
dtmf-offtime = 100
Channel:
  unit# 1 line# 1: 1 ← config pstntg 1# enablechan 1 1
config pbxtg 1#
```

1. You have to configure each PBX trunk separate if you want to have your PIN number associated with the port on the GW:

```
config pbxtg#
config pbxtg# 2
2
config pbxtg 2# name PBX_TRUNK_2
name PBX_TRUNK_2
config pbxtg 2#
```

Perform the above 1) setting and change only the PIN number and port associated to this line:

```
Public Hunt Ldn's:
  1: YYYY-YYYY-YYYY ← This is your Go2Call PIN number: config pbxtg 1# huntpubldn YYYYYYYYYY
unit# 2 line# 1: 2 ← config pstntg 1# enablechan 2 2
```

If you have any difficulty or questions please feel free to contact us at voip@go2call.com.

Thank you for choosing Go2Call,

The Go2Call Team