EUSSO VoIP Gateway

CLI Command Instruction

(Advanced Level)

CLI Command Instruction

Command Types and Format

Show Information Command

Set Configuration Command

Coder Configuration Command

Channel Configuration Command

H.323 Configurations & Settings

Command Types and Format

1.Network Configuration Command

net reset
net show [Option]
net set [Para./Dest.][Option/Switch/Var.]

2.Show Configuration Command

show [Dest./Option][Num.]

3.Set Configuration Command

set [Para./Dest.>[Num./Switch/Option/Var.]
[Num./Switch/Option/Var.]

4.Parameter Effective and Store Command

config activate
config store

Show Information Command

show version	
show coding	[prof_id]
show port	[port]
show h323	
show tone	<dial/busy/congest/disconnect>
show cp_tone_det	<dial/busy/congest/disconnect > <disc1/disc2/disc3/disc4/disc5 >
show cp_tone_det_cfg	[on_frac/thresh/ho_time/lo_time/hi_freq]
net reset	
net show	
net show hwstat	

Show Information Command

show version

```
Console>show version

Internet Telephony Gateway (ACC) Version: 3.23
Boot Loader Version: 4.13
RTOS Version:        2.5.0/BE
H.323 Stack Version: 3.0.9.0
DSP image Version:   8.1.2.1.
TSG Version:         R8.0 Gateway (Build 4)
```

show coding [prof_id]

Coding	Profile ID
g723_63	0
g729ab	1
g723_53	2
g711_Mu	3
Fax_T.30	4
Fax_T.38	5
g726_16	9
Cisco_T.38	10

Show Information Command

show port [port no.]

Port No.	Back plane port sequence
0	1st. port
1	2nd. port
2	3rd. port
3	4th. port
•	•
•	•
7	8th. port

show sip

```
SIP Addr Configuration:
    UDP ctl addr      = 192.168.0.2/5060
    RTP data addr     = 192.168.0.2/2070

Domain name server = 0.0.0.0
Info switch is off
nat_call is off
auto_reg is off
outboundproxy : None
```

Show Information Command

show tone

<dial/busy/congest/disconnect>

Dial-Tone

num_freq	freq1	amp1	freq2	amp2	freq3	amp3	freq4	amp4	duration
2	350	-130	440	-130	0	0	0	0	-1

Busy-Tone

2	480	-240	620	-240	0	0	0	0	500
0	0	0	0	0	0	0	0	0	500

Congestion-Tone

2	480	-240	620	-240	0	0	0	0	250
0	0	0	0	0	0	0	0	0	250

Disconnect-Tone

2	480	-240	620	-240	0	0	0	0	250
0	0	0	0	0	0	0	0	0	250
2	480	-240	620	-240	0	0	0	0	250
0	0	0	0	0	0	0	0	0	-1

Number of on/off cadence elements: 2 for Busy-Tone

	min. duration	max. duration
Cadence ON for	450	550
Cadence OFF for	450	550

Repeat for 5 times.

Number of on/off cadence elements: 2 for Congestion-Tone

	min. duration	max. duration
Cadence ON for	234	286
Cadence OFF for	216	264

Repeat for 5 times.

Number of on/off cadence elements: 2 for Disconnect-Tone

	min. duration	max. duration
Cadence ON for	270	330
Cadence OFF for	270	330

Repeat for 5 times.

show cp_tone_det

<dial/busy/congest/disconnect >

<disc1/disc2/disc3/disc4/disc5 >

Show Information Command

show cp_tone_det_cfg [on_frac/thresh/ho_time/lo_time/hi_freq]

```
Console>show cp_tone_det_cfg
CP tone detection filter config
              on_frac   thresh     ho_time   lo_freq   hi_freq
Default        50 %  -35 dBm     200 ms    180 Hz    620 Hz
Alternate      50 %  -37 dBm     200 ms    300 Hz    550 Hz
Console>
```

net reset

```
Console>net reset
============================= WARNING =============================
* Restarting the system will hang up all telephone connections      *
* and all the configuration settings will lose.                     *
* Be certain all the configuration settings have been saved.        *
===================================================================
Do you want to restart the system now (y/n)? [n] y

Boot loader V4.10
Mem 16b 4M
Testing memory 4M.......
Loading application code.....................................................
.....................................................
```

Show Information Command

net show

```
Console>net show
****************** Net Parameters ******************
Configured IP address =      172.16.3.33.
Configured IP subnet mask =  255.255.0.0.
Default gateway IP address = 0.0.0.0.
Current active IP address =  172.16.3.33.
Current active subnet mask = 255.255.0.0.
IP precedence =              0 0 0 0
Ethernet MAC address =       00-50-2d-00-19-4e
Ethernet speed setting =     10/100 Mbps auto-negotiation
HTTP server =                enabled
Telnet server =              enabled
```

net show hwstat

```
Console>net show hwstat

***************** Hardware Configuration *****************
 Flash:      type-Am29LV160DB 32 sectors  64 KB/sector
 RAM:         8 MB  256K x 16
 LAN:        100 Mbps half duplex. Link UP
 TIM slot A: type-FXO2S2  DSP-C549   codec-PEB2466   Diag-OK
**************************************************************
```

Set Configuration Command

set tone [dial/busy/congest/disconnect]
set cp_tone_det [dial/busy/congest/disconnect/disk1..disk5]
set cp_tone_det_cfg [on_frac/thresh/ho_time/lo_time/hi_freq]

set tone <dial/busy/congest/disconnect>

```
Console>set tone disconnect
How many sets of tone do you want the whole tone to be? (1~6)
2
Please enter set 1 parameters in the following order:
num_freq freq1 amp1 freq2 amp2 freq3 amp3 freq4 amp4 duration (-1: forever)
2 480 -240 620 -240 0 0 0 0 500
Please enter set 2 parameters in the following order:
num_freq freq1 amp1 freq2 amp2 freq3 amp3 freq4 amp4 duration (-1: forever)
0 0 0 0 0 0 0 0 0 500
OK
```

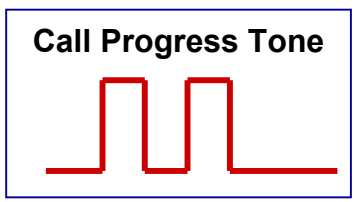
Set Configuration Command

```
Console>set cp_tone_det busy
How many sets of elements do you want the whole CP tone to be detected? (1~8)
2
Please enter set 1 parameters in the following order:
on/off  min.-duration   max.-duration
on 450 550
Please enter set 2 parameters in the following order:
on/off  min.-duration   max.-duration
off 450 550
Please enter the repeat count now (1~10):
2
OK
```

set cp_tone_det

<dial/busy/congest/disconnect >
<disc1/disc2/disc3/disc4/disc5 >

Define the CP tone **cadence**



Define the CP tone **frequency**

```
Console>set cp_tone_det_cfg

Setting filter configuration for CP tone detection:
  set cp_tone_det_cfg  on_frac  [thresh]  [ho_time]  [lo_freq]  [hi_freq]

    on_frac: tone on fraction <5 to 90 %>
    thresh:  threshold <-35 to -20 dBm>
    ho_time: hangover time <5 to 32767 ms>
    lo_freq: low cutoff frequency <150 to 500 Hz>
    hi_freq: high cutoff frequency <600 to 1200 Hz>

Console>set cp_tone_det_cfg 50 -35 200 180 620
```

set cp_tone_det_cfg

[on_frac/thresh/ho_time/lo_freq/hi_freq]

Coder Configuration command

Major Coding Command

set coding [prof_id] usage	<voice|fax >
set coding [prof_id] cp_tone_detect	<on|off>
set coding [prof_id] vif	[value in bits]
set coding [prof_id] vad	<on|off >
set coding [prof_id] dtmf_relay	<on|off >
set coding [prof_id] fax_tone_detect	<on|off >
set coding [prof_id] copyof	[prof_id]

Coder Configuration command

set coding [prof_id] usage <voice|fax >

Configuration for coding profile id 0:
Tx Coding = G723 6.3 kbps
Rx Coding = G723 6.3 kbps
Coding profile for voice

Configuration for coding profile id 5:
Tx Coding = T.38 FAX
Rx Coding = T.38 FAX
Coding profile for fax

set coding [prof_id] cp_tone_detect <on|off>

CP Tone → **Call Progress Tone**

Dial
Busy
Congest
Disconnect

On = Enable

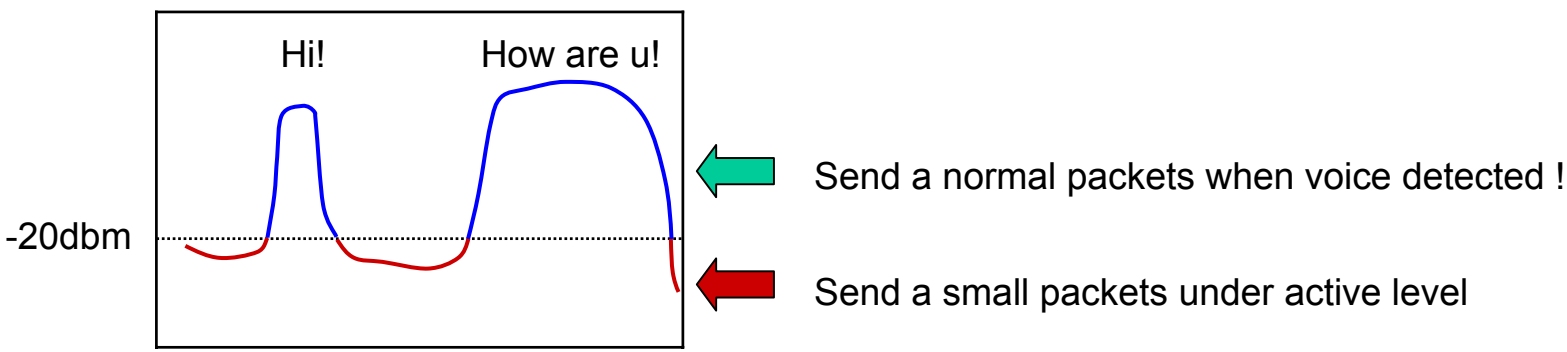
Off = Disable

Coder Configuration command

set coding [prof_id] vif [value in bits]

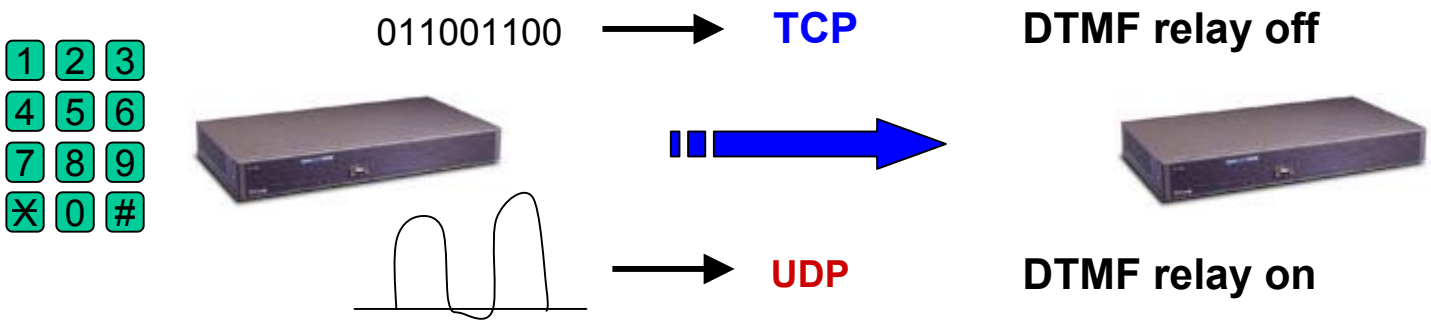
VIF size in bits	G723	G729
160		20ms
192	30ms	
240		30ms
320		40ms
384	60ms	
400		50ms
480		60ms

set coding [prof_id] vad <on|off >

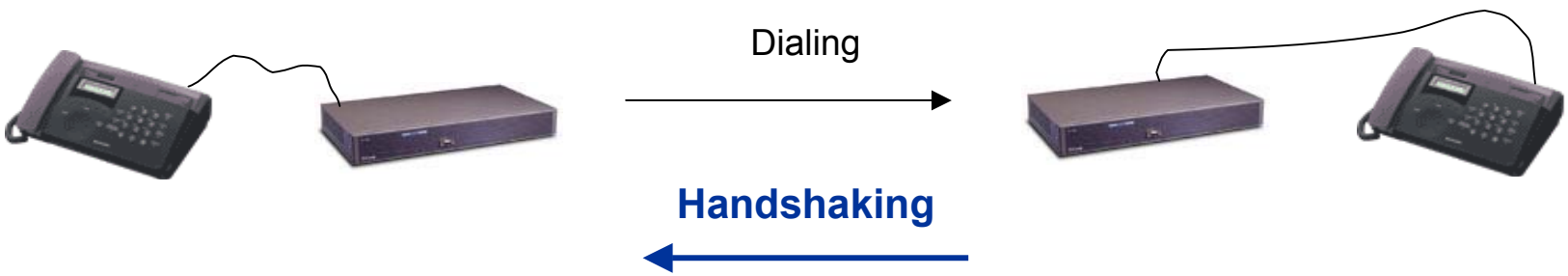


Coder Configuration command

set coding [prof_id] dtmf_relay <on|off >



set coding [prof_id] fax_tone_detect <on|off >



Handshake tone detection

Coder Configuration command

set coding [prof_id] copyof [prof_id]

Coding profile 0

Codec= G.723.1
VIF=192
VAD=Enable
:

set coding 1 copyof 0

Coding profile 0

Codec= G.723.1
VIF=192
VAD=Enable
:

Coding profile 1

Codec= G.723.1
VIF=192
VAD=Enable
:

Channel Configuration Command

TCID/Port Command

Port Mode

set port [n] voice_prof	[prof_id]
set port [n] fax_prof	[prof_id]
set port [n] prof_bit	[prof_id | all] <0 | 1>

Telephony Interface

set port [n] txgain	<-14 ~ 14>
set port [n] rxgain	<-14 ~ 14>
set port [n] cp_tone_det_ctrl	<0|1|2>,[dis,en,pf]

Channel Configuration Command

set port [n] voice_prof [prof_id]

Default Voice coding profile

Prof. ID	0	1	2	3	4	5	6	7	8	9	10
Codec	G.723 6.3K	G.729 AB	G.723 5.3K	G.711 Mdm	T.30 FAX	T.38 FAX	G.711 MU	G.711 MU	G.711 MU	G.726	T.38 Cisco

Default FAX coding profile

set port [n] fax_prof [prof_id]

Channel Configuration Command

set port [n] prof_bit [prof_id | all] <0 | 1>

0= Disable

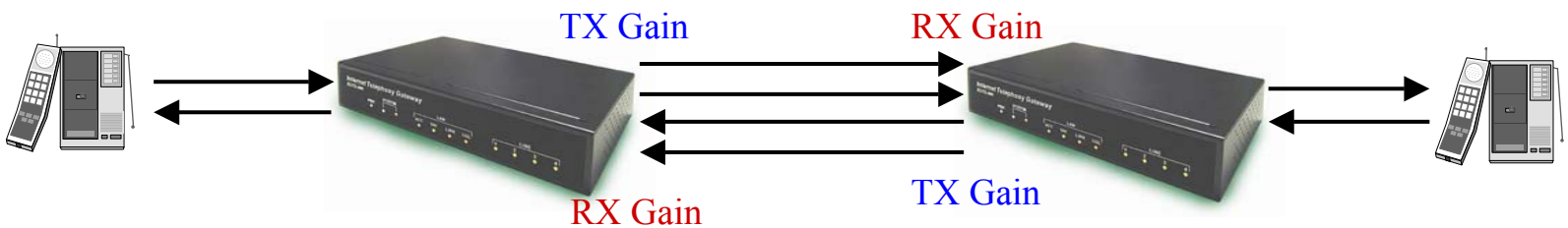
1= Enable

For example : set port all prof_bit all 0

Prof. ID	0	1	2	3	4	5	6	7	8	9	10
Codec	G.723 6.3K	G.729 AB	G.723 5.3K	G.711 Mdin	T.30 FAX	T.38 FAX	G.711 MU	G.711 MU	G.711 MU	G.726	T.38 Cisco

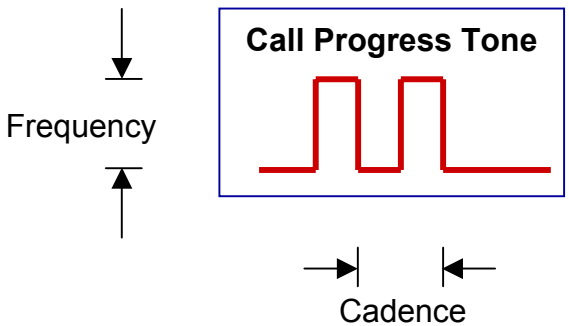
set port [n] txgain <-14 ~ 14>

set port [n] rxgain <-14 ~ 14>



Channel Configuration Command

set port [n] cp_tone_det_ctrl <0|1|2>,[dis,en,pf]



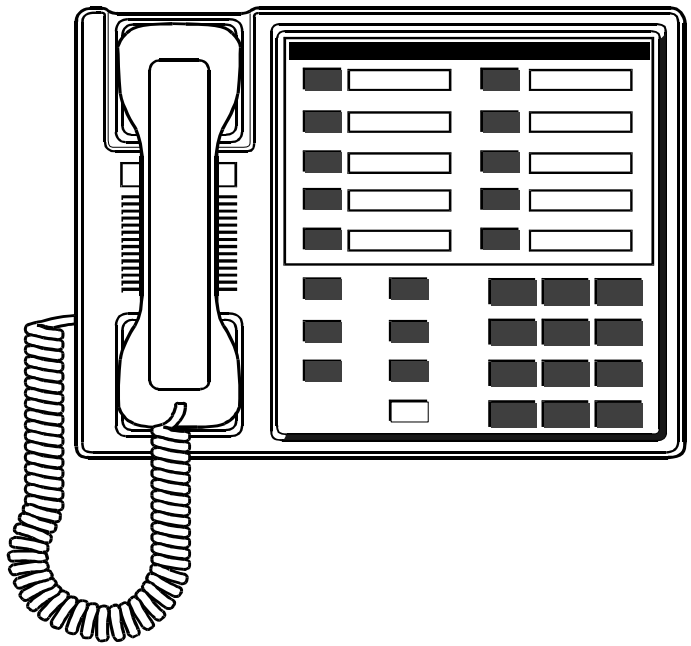
0 : Disable

1 : Enable

2 : as per coding profile

Channel Configuration Command

set port [n] cid name <cid name:1-10 char.>



set port [n] cid number <cid number:1-15 digits>

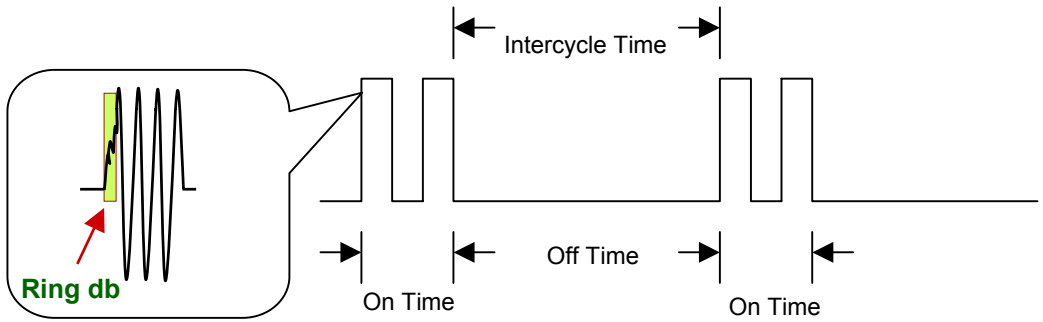
Channel Configuration Command

FXO Loop Start Parameters

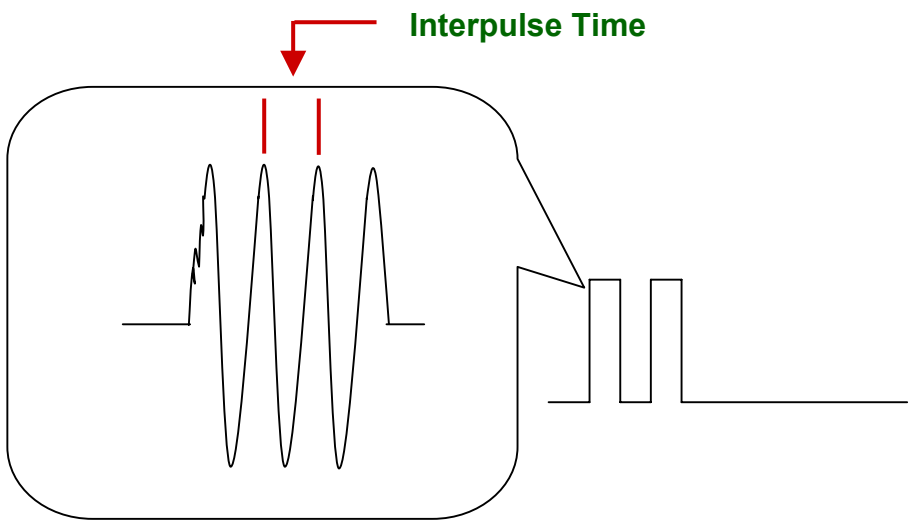
set port [n] fxo ringing_db	[value in ms]
set port [n] fxo ringing_inter_pulse	[value in ms]
set port [n] fxo ringing_inter_cycle	[value in ms]
set port [n] fxo loop_det_db	[value in ms]
set port [n] fxo batt_rev_times	[numeric value]
set port [n] fxo cpc_det	[value in ms]
set port [n] fxo guard_out	[value in ms]
set port [n] fxo answer_after	[no. of ring]
set port [n] fxo caller_id	<on|off>

Channel Configuration Command

set port [n] fxo ringing_db [value in ms]

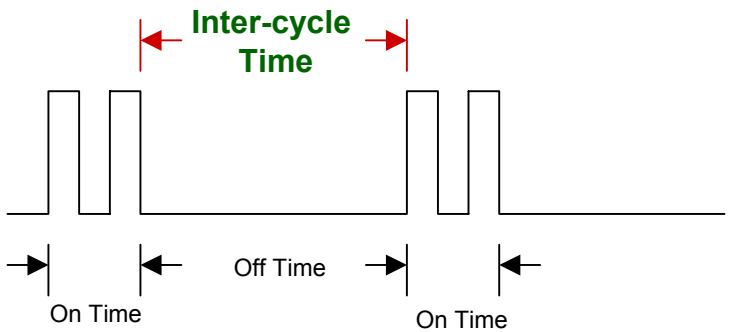


set port [n] fxo ringing_inter_pulse [value in ms]

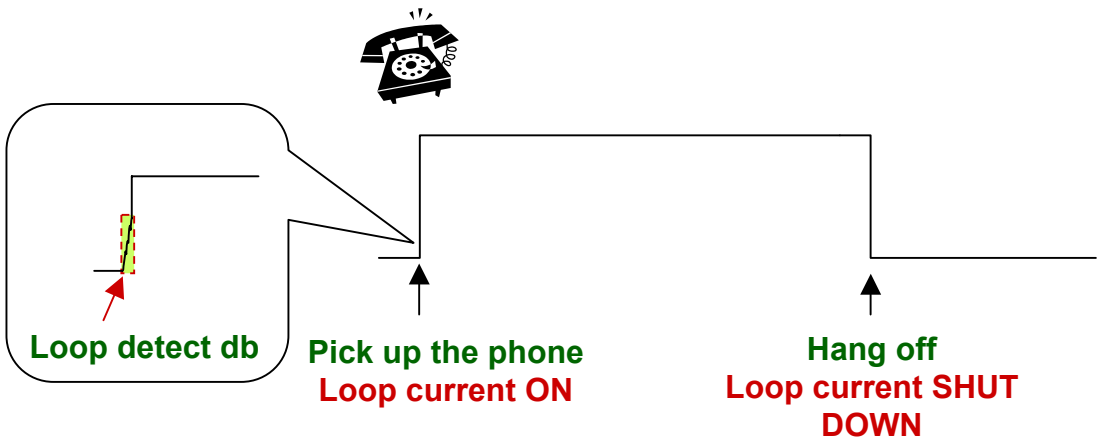


Channel Configuration Command

set port [n] fxo ringing_inter_cycle [value in ms]

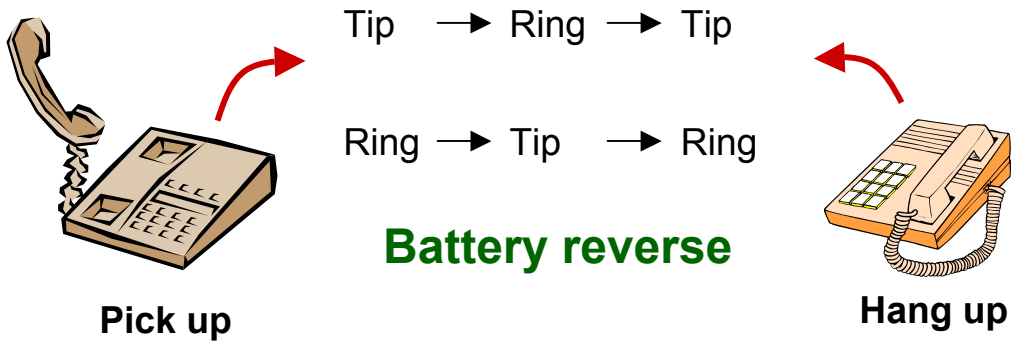


set port [n] fxo loop_det_db [value in ms]

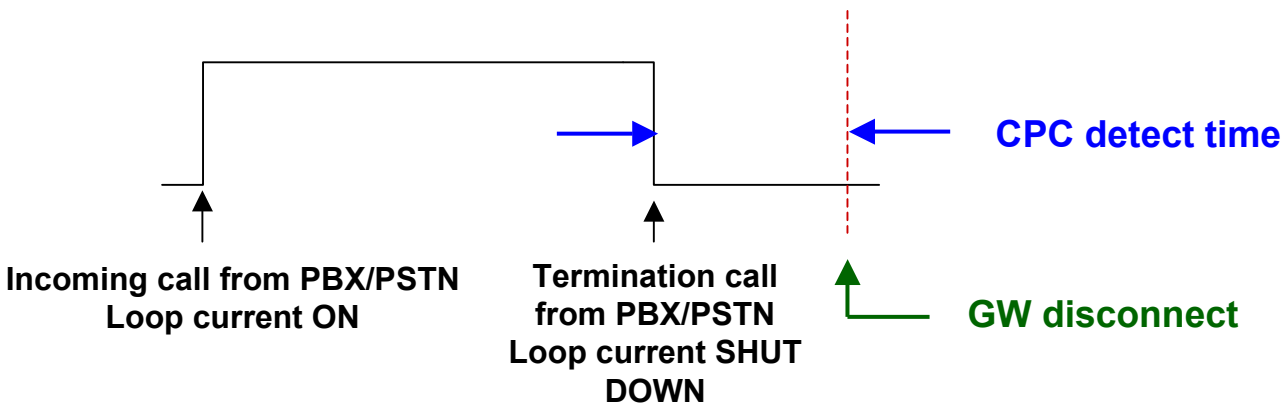


Channel Configuration Command

set port [n] fxo batt_rev_times [numeric value]

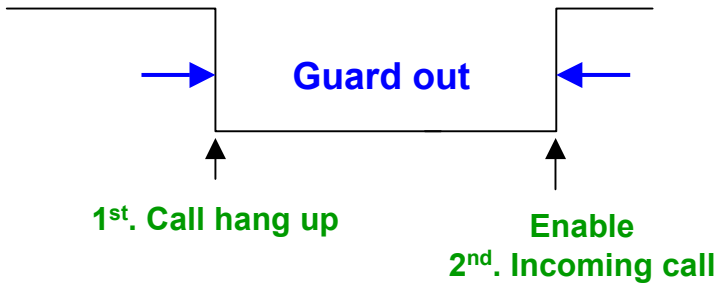


set port [n] fxo cpc_det [value in ms]

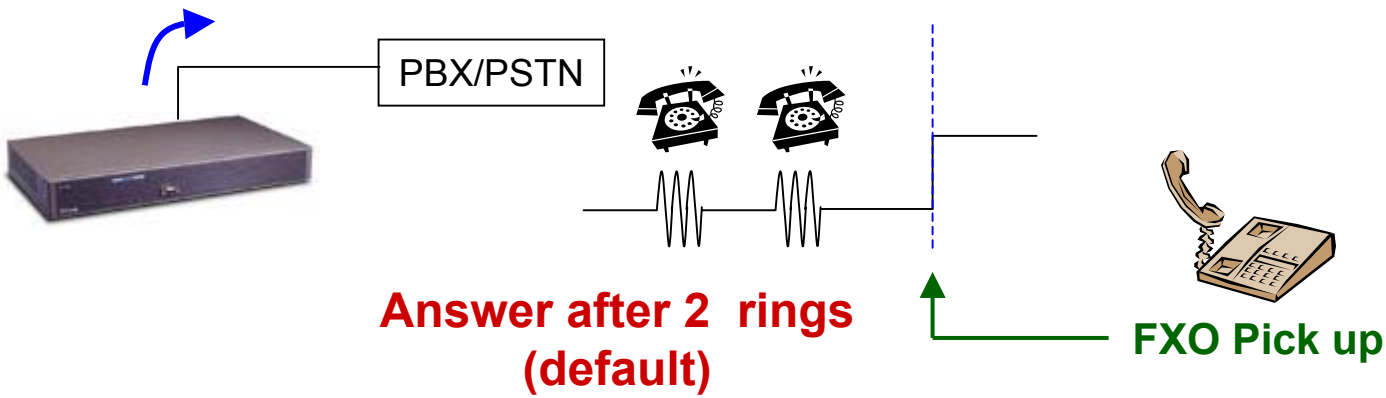


Channel Configuration Command

set port [n] fxo guard_out [value in ms]

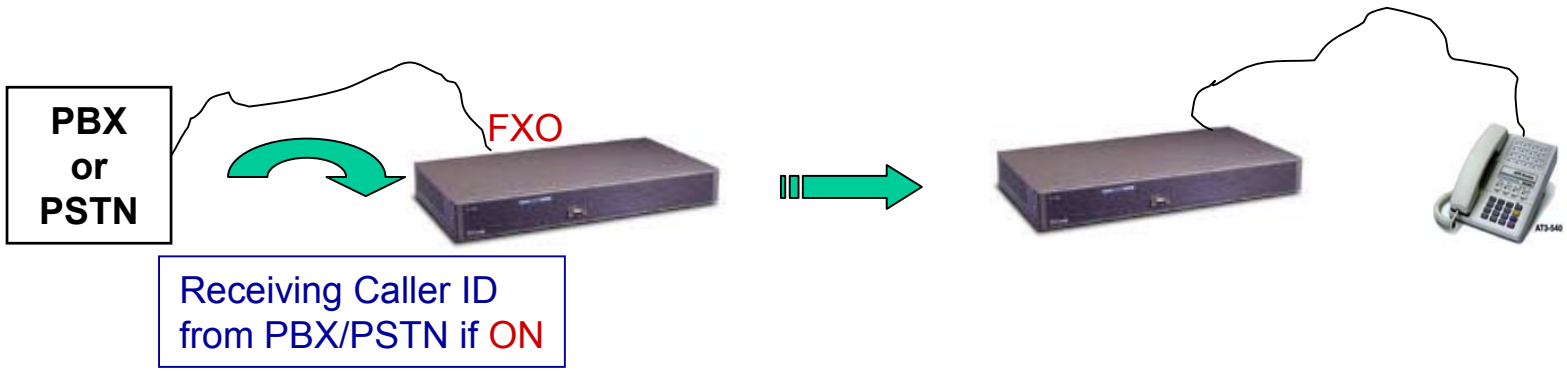


set port [n] fxo answer_after [no. of ring]



Channel Configuration Command

set port [n] fxo caller_id <on|off>



Each FXO port adjustable

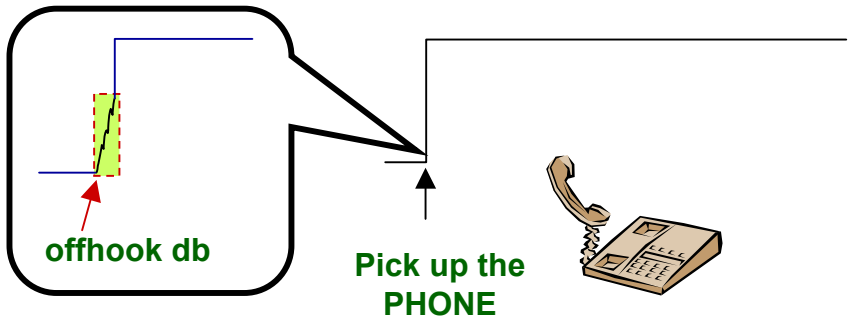
Channel Configuration Command

FXS Loop Start Parameters

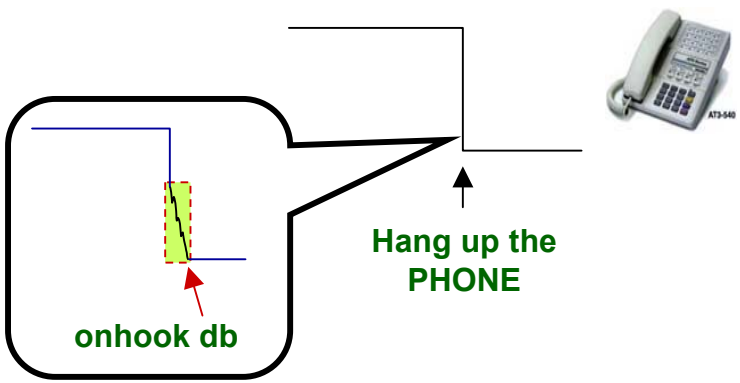
set port [n] fxs offhook_db	[value in ms]
set port [n] fxs onhook_db	[value in ms]
set port [n] fxs offhook _detect	[value in ms]
set port [n] fxs onhook _detect	[value in ms]
set port [n] fxs answ_clear_detect	[value in ms]
set port [n] fxs cpc_dur	[value in ms]
set port [n] fxs cpc_wait	[value in ms]
set port [n] fxs ring_id	<0~7>, -1default
set port [n] fxs caller_id	<on|off>

Channel Configuration Command

set port [n] fxs offhook_db [value in ms]

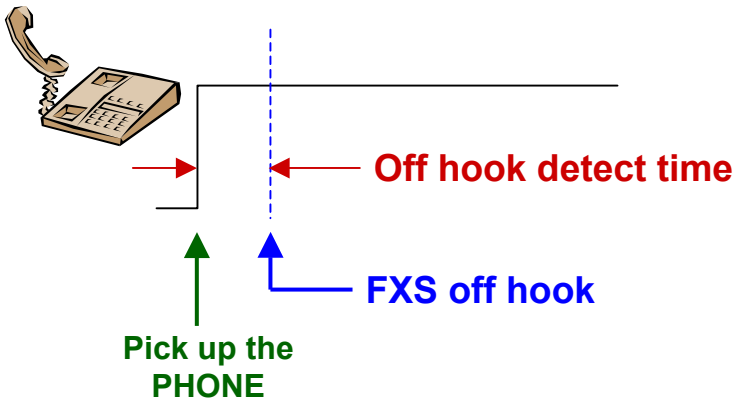


set port [n] fxs onhook_db [value in ms]

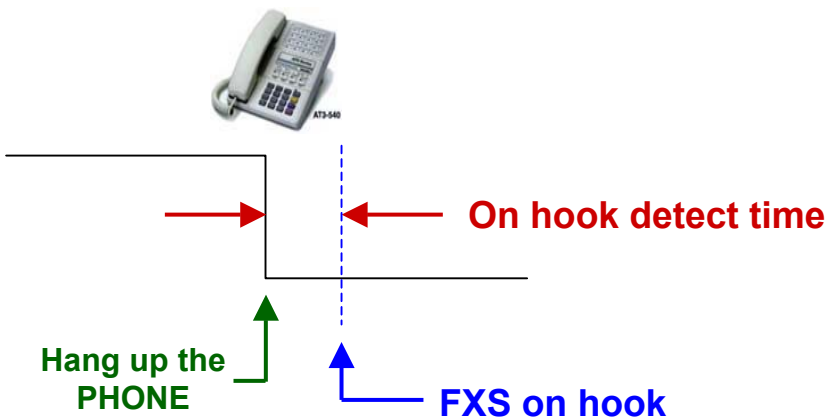


Channel Configuration Command

set port [n] fxs offhook_detect [value in ms]

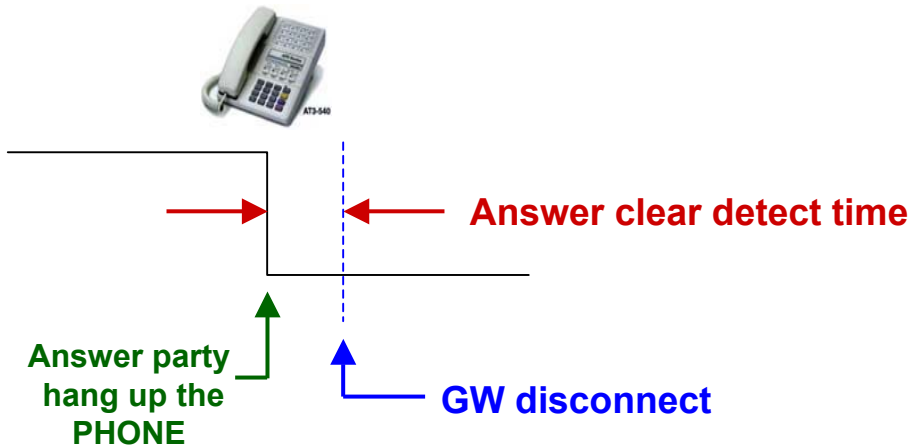


set port [n] fxs onhook_detect [value in ms]

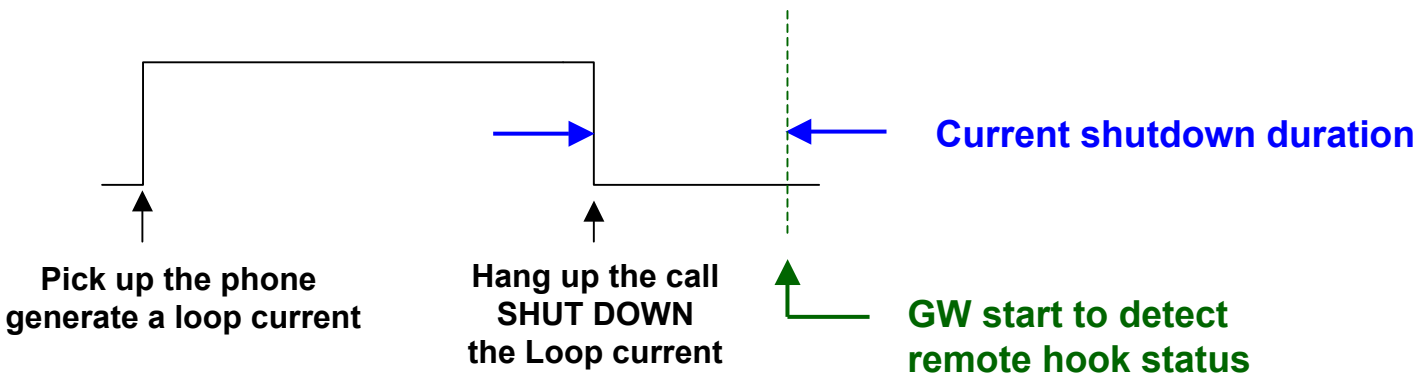


Channel Configuration Command

set port [n] fxs answ_clear_detect [value in ms]

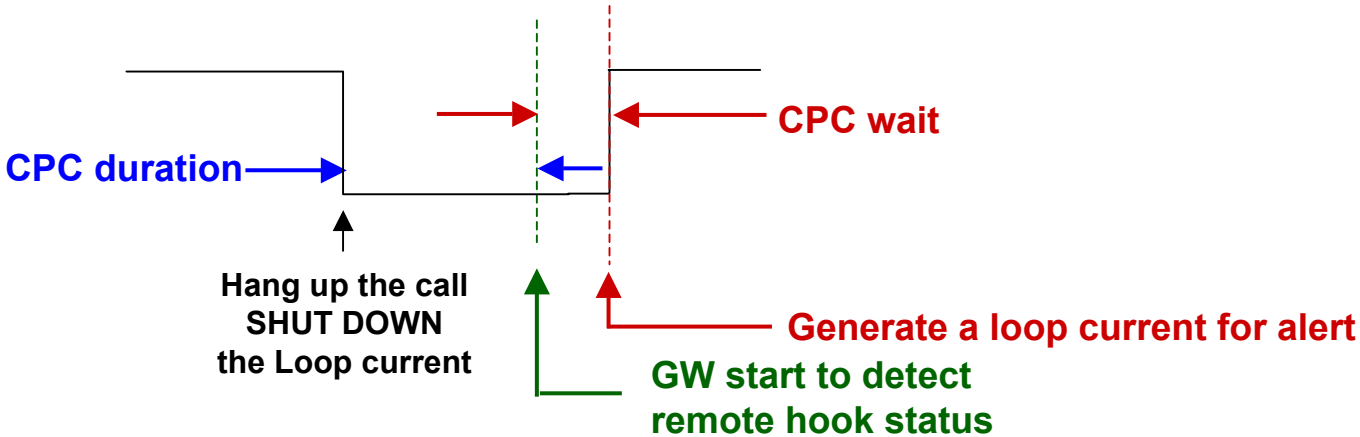


set port [n] fxs cpc_dur [value in ms]



Channel Configuration Command

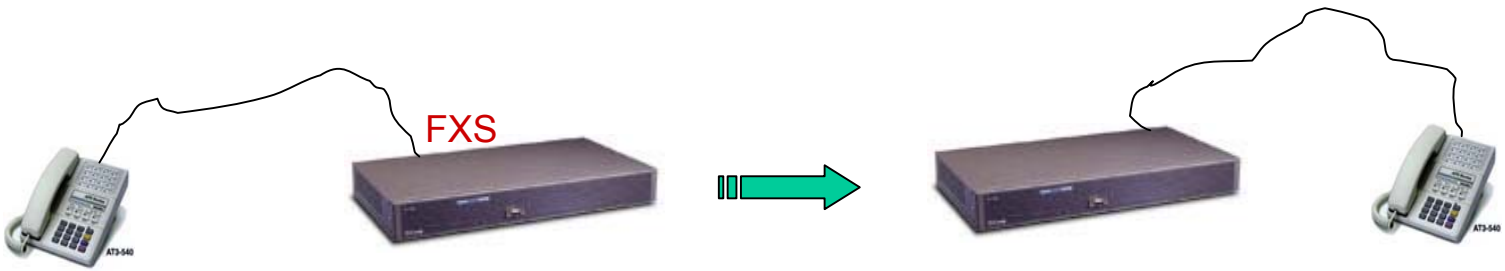
set port [n] fxs cpc_wait [value in ms]



set port [n] fxs ring_id <0~7>, -1default

Channel Configuration Command

set port [n] fxs caller_id <on|off>



Send Caller ID to Answering party, if ON

Channel Configuration Command

Dial Out Parameters

set port [n] out_wait	[value in ms]
set port [n] out_type	<tone|pulse>
set port [n] tone_out_off	[value in ms]
set port [n] tone_out_on	[value in ms]

Dial In Parameter

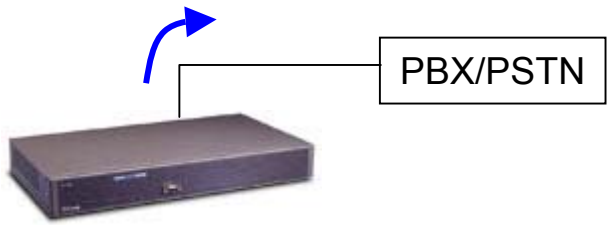
set port [n] dial_in plar	[plar no.]

Call Timing Parameters

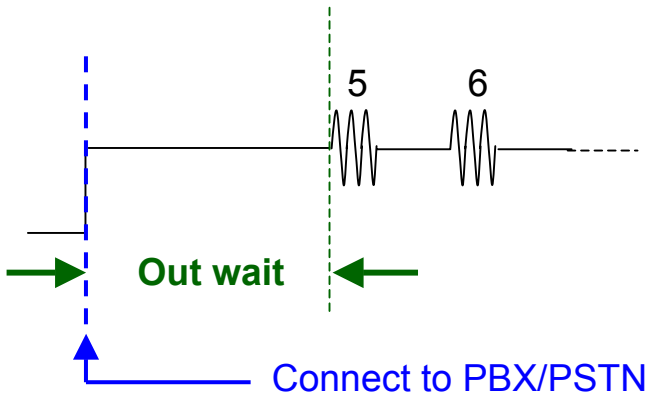
set port [n] call_limit	[value in sec],<-1,65535>
set port [n] ans_wait	[value in sec],<-1,65535>
set port [n] hangup_wait	[value in sec],<-1,65535>
set port [n] fax_holdover	[value in ms]

Channel Configuration Command

set port [n] out_wait [value in ms]



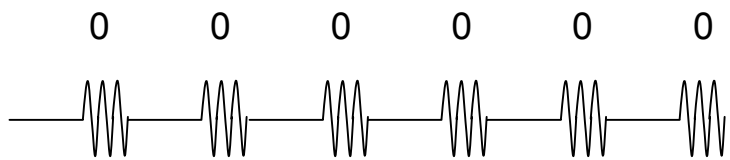
DTMF dial out wait for 400 ms (default)



set port [n]

Channel Configuration Command

set port [n] fxs cpc_wait [value in ms]



set port [n] fxs ring_id <0~7>, -1default