

VoIP Gateway (VoIP-211RS/800/422/404/422R)

FXO port connect to PBX Configuration & Operation Settings

Tone Detection and Modification

Tone Detection/Modification

Connection Diagram

Enter Debug Mode

Make a Disconnect

Get Disconnect Cadence

Inquire System Exist Cadence

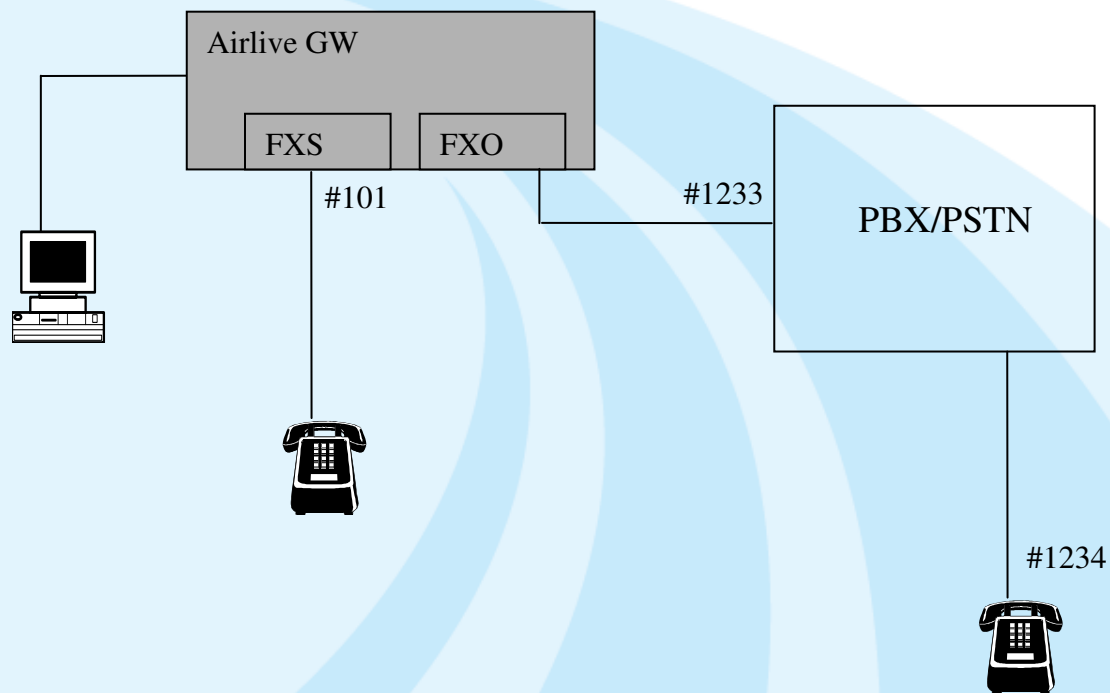
Config./Modify Disconnect Cadence

Demonstration



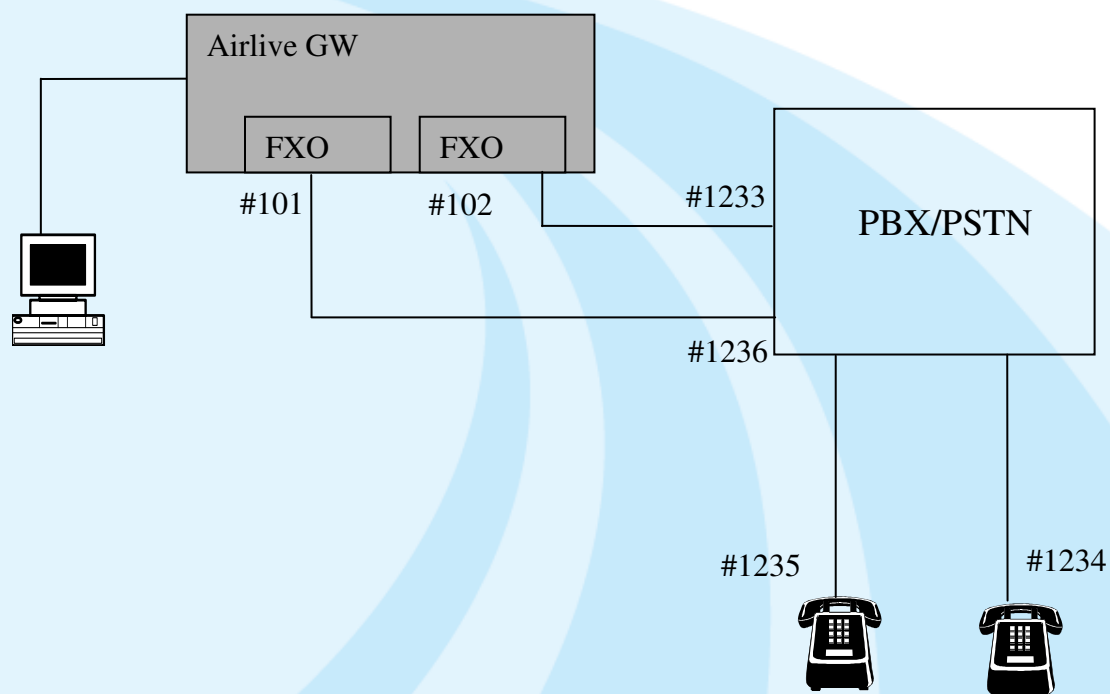
Connection Diagram (with FXO & FXS)

Connect Gateway, computer, phone set and PBX/PSTN



Connection Diagram (with FXO only)

Connect gateway, computer, phone set and PBX/PSTN



Enter the Debug Mode

Console>

Console>

Console> net set debug **on**

OK, debug mode turned on.

Console> spy **dim 3**

Console>

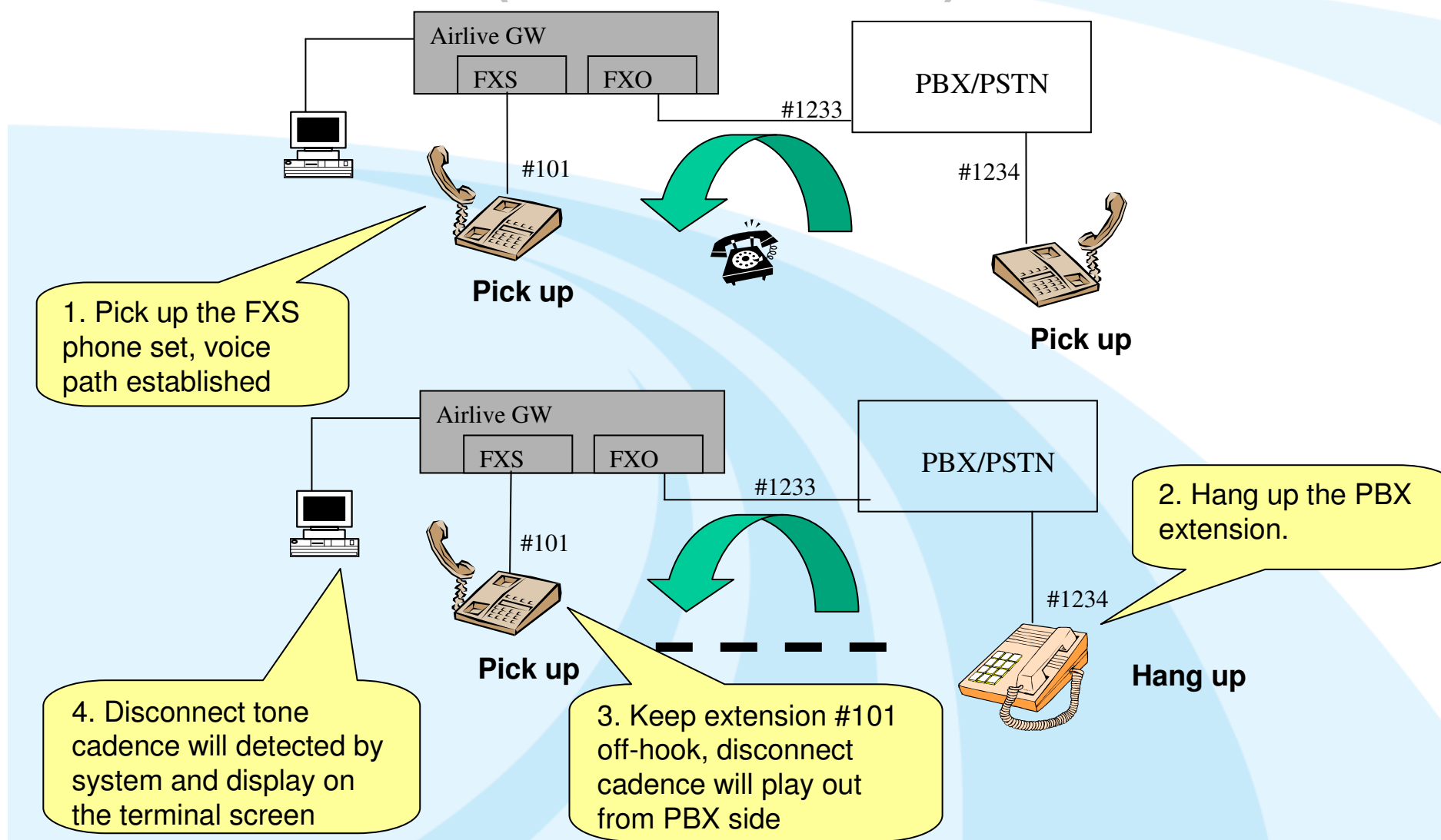
Console>

Console>

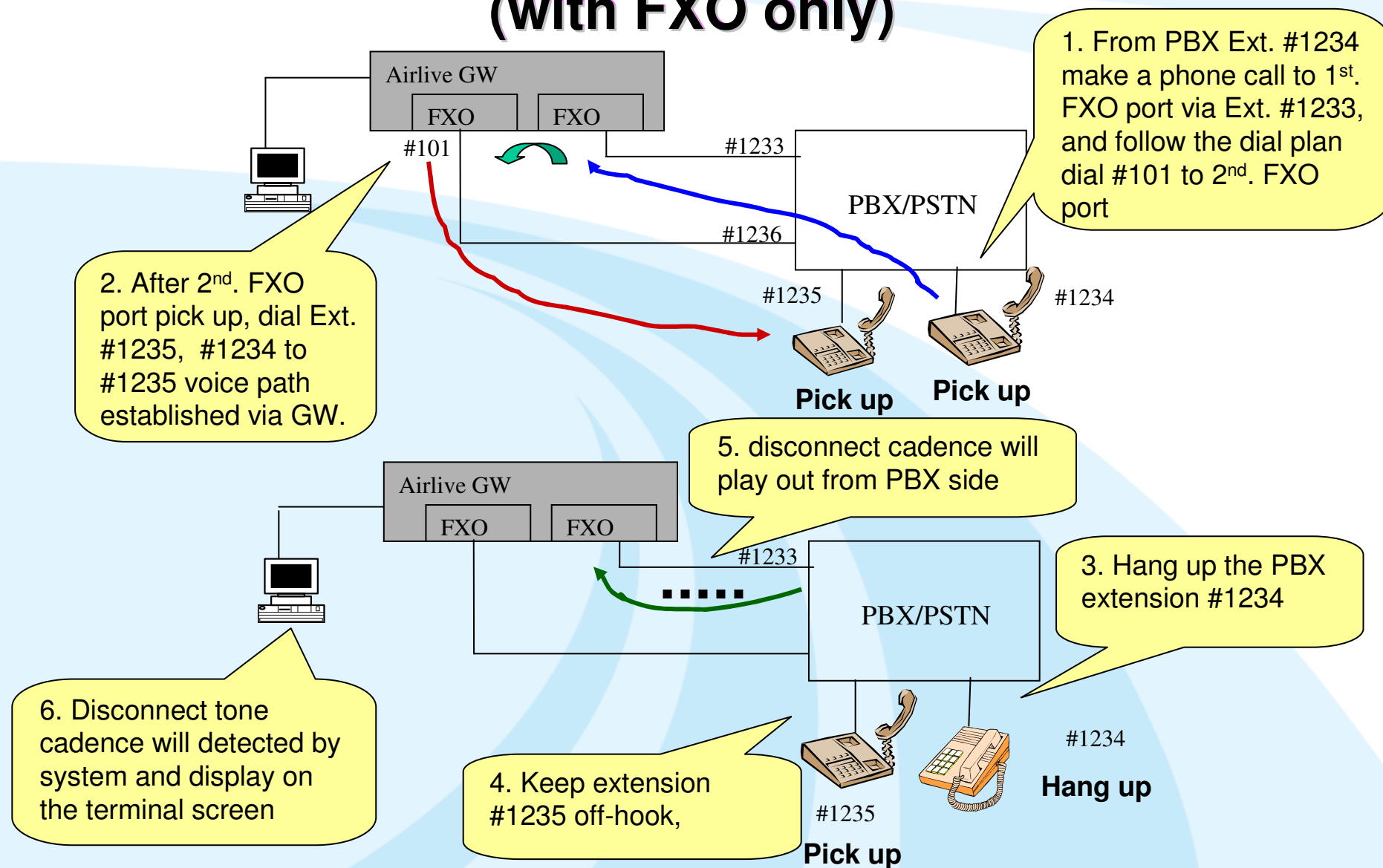
Under Airlive
console Enter Debug
mode

Key-in spy key and
debug level

Make a Disconnect (with FXO & FXS)



Make a Disconnect (with FXO only)



Get Disconnect Cadence

2360- DIM 3 tcid: 1, CPTONE +4920 Tone Off, T: 4706 Pwr: -15,

5216- DIM 3 tcid: 1, CPTONE -10240 Tone On , T: 14946 Pwr:

8- DIM 3 tcid: 1, CPTONE + 200 Tone Off, T: 19706 Pwr: -42,

3360- DIM 3 tcid: 1, CPTONE -6540 Tone On , T: 27536 Pwr: -29,

224- DIM 3 tcid: 1, CPTONE - 500 Tone On , T: 28486 Pwr: -27,

24- DIM 3 tcid: 1, CPTONE + 500 Tone Off, T: 28736 Pwr: -46,

224- DIM 3 tcid: 1, CPTONE - 500 Tone On , T: 28986 Pwr: -27,

24- DIM 3 tcid: 1, CPTONE + 490 Tone Off, T: 29236 Pwr: -46,

224- DIM 3 tcid: 1, CPTONE - 500 Tone On , T: 29486 Pwr: -27,

32- DIM 3 tcid: 1, CPTONE + 510 Tone Off, T: 29736 Pwr: -46,

216- DIM 3 tcid: 1, CPTONE - 500 Tone On , T: 29986 Pwr: -27,

32- DIM 3 tcid: 1, CPTONE + 500 Tone Off, T: 30236 Pwr: -46,

216- DIM 3 tcid: 1, CPTONE - 510 Tone On , T: 30486 Pwr: -27,

34- DIM 3 tcid: 1, CPTONE + 500 Tone Off, T: 30736 Pwr: -46,

Console>

Tone cadence is
500ms on, 500ms off

Disconnect
tone cadence

Inquire System Exist Cadence

Console>

Console>show cp_tone_det

The settings for CP detection are:

Number of on/off cadence elements: 1 for Dial-Tone

	min. duration	max. duration
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Cadence ON for	1600	0
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Repeat for 1 times.

OK

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

	min. duration	max. duration
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Cadence ON for	450	550
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Cadence OFF for	450	550
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Repeat for 5 times.

OK

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

	min. duration	max. duration
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Cadence ON for	234	286
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Cadence OFF for	216	264
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Repeat for 5 times.

OK

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

	min. duration	max. duration
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Cadence ON for	270	330
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Cadence OFF for	270	330
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Repeat for 5 times.

OK

**Display system exist
disconnect cadence,
You need to add on it if
cadence does not exist**

Config./Modify System Disconnect Cadence

Console>set cp_tone_det disc5

Start to config./modify
disconnect cadence

How many sets of elements do you want the whole CP tone to be detected? (1~8)

2

In put the no. of
element to be detected

Please enter set 1 parameters in the following order:

on/off min.-duration max.-duration

on 450 550

Enter the first set max./min.
duration parameter, normally it is
+/-10% of actual cadence, on/off
is identify tone on or tone off

Please enter set 2 parameters in the following order:

on/off min.-duration max.-duration

off 450 550

Enter the second set max./min.
duration parameter.

Please enter the repeat count now (1~10):

2

Enter the repeat count for
system confirm disconnect

OK

Use 'config store' cmd to save all the CPtone detection settings you've made.

Console>config store

OK

Save the changes

Thanks