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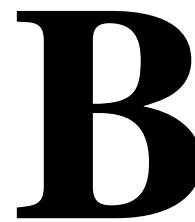**B**   Country-Specific Parameter Administration
Overview

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Country-Specific Parameter Administration

B

Overview

> **NOTE:**
> For Intuity AUDIX LX, some of the screens may have been updated to Web-based administration and were not updated in this information. For more information refer to the Help on the appropriate page. In addition, refer to the Configuration Note for your switch information.

Country-specific parameter administration for the Intuity AUDIX system consists of:

- Country-Selection — establishes the location of operation and the analog parameters under which the system will operate. This option allows the Intuity AUDIX system to be set using preset parameters matched to the DEFINITY.

- Parameter tuning — allows individual parameters to be changed from the default settings to a custom selection to match the operating requirements of a specific installation.

For systems with DEFINITY switches administered with the country code, the only administration necessary is country selection which establishes pre-selected parameters. If, however, the DEFINITY tone plan has been customized, the corresponding changes can be administered on the Intuity AUDIX system via the screens for parameter tuning.

Purpose

This chapter provides the information you need to administer country-specific parameters for a Intuity AUDIX system that is integrated with a DEFINITY switch.

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Using the Switch Selection Administration Page

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Using the Switch Selection Administration Page

The following logins operate with these pages:

- The sa login can be used to view the pages. This login, however, may not be used to change any of the parameter fields or the system's country assignment.

- The craft login can be used to administer the system's country assignment and change any parameters that are not restricted. The craft login, however, can not select "Other" as an entry for the system's country assignment and set the parameters when "Other" is selected.

- The remote maintenance login can assign "Other" as a country and administer all of the parameters.

Customers who need assistance with system tuning need to contact their remote maintenance center.

Country-Switch Selection

Each system that uses the Intuity AUDIX DEFINITY switch integration software must have a country specified. Selecting a country establishes the parameters under which the system will operate.

To select a country, do the following from the Switch Selection page:

- From the drop-down list, select Country-Switch.

  ⇒ **NOTE:**
  For a listing of the countries and the parameter default settings, see "Country Default Settings" below.

If necessary, "Other" can be selected in place of a country name, and customized parameter settings established. This action requires remote maintenance assistance.

Parameter Tuning

This section describes the pages and the fields used in parameter tuning. Parameter tuning is divided into two areas:

- Interface Parameters
- Switch Tones

Analog interface parameters are set by using the Interface Parameters page. The switch tones are set through a series of pages:

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- Dial tone

- Busy tone

- Ring tone

- Reorder tone

- First additional tone

- Second additional tone

- Third additional tone

Switch Tones

Table B-1 describes the page and fields that establish the switch tones settings for the Intuity AUDIX system.

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Table B-1. Switch Tones Fields Summary

Parameter	Value
Frequency 1 and 2	300–4000 Hz
On Time	0–6000
Off Time	0–6000
Cycles	0–4
Disconnect Situation	0, 1, or 2
Tones	Dial
	Busy
	Ring
	Reorder

Busy, Dial, Reorder, and Ring Tone Pages

These pages are identical except for the name in the title. The tone is specified in terms of a Frequency (1 or 2 frequencies) and the timing of on and off cycles. If the tone is to be treated as disconnect under certain situations, the field Disconnect Situation can be used.

Disconnect Situation

This field is used when call progress tones are being used as disconnect signals. Three values are used:

- 0 — Do not treat as a disconnect

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- 1 — Treat as disconnect during voice coding only

- 2 — Treat as disconnect at all times except outcalling

The Disconnect Situation can be filled in for each tone with a value of 0, 1, or 2.

First, Second, and Third Additional Tones

You can specify one to three additional tones if required. These can be reported as any of the standard tones:

- Dial

- Busy

- Reorder

- Ring

Additional Tones Fields

All fields on this page are identical to those for the standard tones except that the `Disconnect Situation` field does not appear on these forms. Disconnect is done on the standard tones. To create a new dial tone to be treated as disconnect, make the entry for disconnect in the Dial Tone page and report the new tone as "dial".

Report As Field

These pages also have the `Report As` field which does not appear in the standard tones form. This field can take values

- Dial

- Busy

- Ring

- Reorder

- Unused

If the additional tone is not used, this field takes the value "unused."

Analog Interface Parameters

The Analog Interface Parameters page, has several fields. This page highlights the fields that can be changed. Any fields not highlighted are restricted and can not be changed because of regulatory restrictions. Field restriction varies with the country specified for the system.

NOTE:
For a listing of restricted fields, see the "Country Default Settings" below.

Table B-2 lists the fields on the Analog Interface Parameters page.

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Table B-2. Analog Interface Parameters Fields Summary

Parameter	Value	Usual Setting	Granularity
Answer Delay	0–50 rings	Between 0 and 2	-
Post onhook delay	0–30000 msec	2000 msec	20 msec
Post offhook delay	0–30000 msec	2000 msec	20 msec
Switch Hook Flash Duration	100–3000 msec		
DTMF On-time	20–30000 msec	100	10 msec
DTMF Off-time	20–30000 msec	60	10 msec
CPT Detect Minimum	-48 -3	-38	
Energy Detect Minimum	-44 -3	-44	
Wink duration	80–800 msec	300 msec	10 msec
Input volume[1]	1000 (suggested)		
Output volume1	1000 (suggested)		

1. Input and Output volume should be thought of as volume multipliers (that is, +/- gain) of the incoming/outgoing signal. A value of 1000 is equivalent to multiplying the incoming or outgoing signal volume by 1, that is, unity gain.

Country Default Settings

> ➡ **NOTE:**
> Some of the fields for example Stutter Tones are not supported on the Intuity AUDIX LX system. Refer to the Help on the appropriate page for more information.

This section lists the values used as default settings for various countries for the Tones Administration and analog Interface Parameters pages. These are the values that the Intuity AUDIX system uses when you select and set a country on the Switch Selection page.

To set a parameter to a different value:

1. Verify that the parameter is not restricted. If the parameter is restricted, you may not change the value on the Intuity AUDIX system.

2. Verify that your new setting is permitted. See the Value columns in Table B-1 and Table B-2.

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Country Default Settings

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Argentina

Table B-3. Argentina: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	350+440 Hz	Continuous, min. 1.5 seconds
Busy	480+620 Hz	300 on, 600 off (2 cycles)
Ring	440+480 Hz	1500 on, 3500 off
Reorder	480+620 Hz	250 on, 250 off (2 cycles)
Stutter	350+440 Hz	150 on, 150 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-4. Argentina: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High-Level Group (dBm)	-6	yes
DTMF Low-Level Group (dBm)	-8	yes
DTMF On-time (ms)	100	yes
DTMF Off-time (ms)	60	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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Australia

Table B-5. Australia: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	404+450 Hz	Continuous, min. 1.5 seconds
Busy	425 Hz	400 on, 400 off (2 cycles)
Ring	404+425 Hz	400 on, 200 off 400 on, 2000 off
Reorder	425 Hz	2500 on, 500 off
Stutter	404+450 Hz	150 on, 150 off (3 cycles) followed by continuous tone, min 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-6. Australia: Analog Interface Parameters

Parameter	Default Value	Restricted?
Answer delay (rings)	1	no
DTMF High-Level Group (dBm)	-8	yes
DTMF Low Level Group (dBm)	-10	yes
DTMF On-time (ms)	60	yes
DTMF Off-time (ms)	100	yes
Clipping threshold (dBm)	-12	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-12	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	350	no
Input volume	4000	no
Output volume	1000	no

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Belgium

Table B-7. Belgium: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	425 Hz	Continuous, min. 1.5 seconds
Busy	425 Hz	500 on, 500 off (2 cycles)
Ring	425 Hz	1000 on, 3000 off
Reorder	425 Hz	250 on, 250 off (2 cycles)
Stutter	—	—
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-8. Belgium: Analog Interface Parameters

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High-Level Group (dBm)	-6	yes
DTMF Low Level Group (dBm)	-8	yes
DTMF On-time (ms)	100	yes
DTMF Off-time (ms)	100	yes
Clipping threshold (dBm)	-10	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-10	yes
CPT detect minimum (dBm)	-25	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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Brazil

Table B-9. Brazil: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	425 Hz	950 on, 50 off
Busy	425 Hz	250 on, 250 off (2 cycles) DISCONNECT signal
Ring	425 Hz	1000 on, 4000 off
Reorder	425 Hz	250 on, 250 off, 750 on, 250 off
Stutter		
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-10. Brazil: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High-Level Group (dBm)	-8	yes
DTMF Low Level Group (dBm)	-10	yes
DTMF On-time (ms)	80	yes
DTMF Off-time (ms)	80	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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Canada

Table B-11.   Canada: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	350+440 Hz	Continuous, min. 1.5 seconds
Busy	480+620 Hz	300 on, 600 off (2 cycles)
Ring	440+480 Hz	1500 on, 3500 off
Reorder	480+620 Hz	250 on, 250 off (2 cycles)
Stutter	350+440 Hz	150 on, 150 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-12.   Canada: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High-Level Group (dBm)	-6	yes
DTMF Low Level Group (dBm)	-8	yes
DTMF On-time (ms)	360	yes
DTMF Off-time (ms)	160	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

Colombia

Table B-13. Colombia: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	350+440 Hz	Continuous, min. 1.5 seconds
Busy	420 Hz	250 on, 250 off 550 on, 550 off
Ring	440+480 Hz	1500 on, 3500 off
Reorder	—	—
Stutter	350+440 Hz	150 on, 150 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-14. Colombia: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High-Level Group (dBm)	-6	yes
DTMF Low Level Group (dBm)	-8	yes
DTMF On-time (ms)	100	yes
DTMF Off-time (ms)	60	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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France

Table B-15. France: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	440 Hz	Continuous, min. 2 seconds
Busy	440 Hz	500 on, 500 off (2 cycles)
Ring	440 Hz	1500 on, 3500 off
Reorder	440 Hz	200 on, 200 off (2 cycles)
Stutter	—	—
First additional	330 Hz	Continuous, min. 2 seconds; report as "dial"
Second additional	—	—
Third additional	—	—

Table B-16. France: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High-Level Group (dBm)	-6	yes
DTMF Low-Level Group (dBm)	-8	yes
DTMF On-time (ms)	360	yes
DTMF Off-time (ms)	160	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no

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Table B-16.   France: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

Germany

Table B-17.   Germany: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	425 Hz	Continuous, min. 1.5 seconds
Busy	425 Hz	150 on, 475 off (2 cycles)
Ring	425 Hz	1000 on, 4000 off
Reorder	425 Hz	250 on, 250 off (2 cycles)
Stutter	425 Hz	150 on, 150 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-18.   Germany: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low-Level Group (dBm)	-8	yes
DTMF On-time (ms)	100	yes
DTMF Off-time (ms)	100	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-11	yes
CPT detect minimum (dBm)	-25	yes

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Table B-18. Germany: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

Greece

Table B-19. Greece: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	350+440 Hz	Continuous, min. 1.5 seconds
Busy	480+620 Hz	500 on, 500 off (2 cycles)
Ring	440+480 Hz	1000 on, 3000 off
Reorder	480+620 Hz	250 on, 250 off (2 cycles)
Stutter	350+440 Hz	125 on, 125 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	350+440 Hz	125 on, 125 off followed by continuous tone of min. 1.5 seconds; report as "dial"
Second additional	350+440 Hz	125 on, 125 off (2 cycles) followed by continuous tone of min. 1.5 seconds
Third additional	—	—

Table B-20. Greece: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low-Level Group (dBm)	-8	yes
DTMF On-time (ms)	360	yes

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Table B-20.   Greece: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
DTMF Off-time (ms)	160	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

Hong Kong

Table B-21.   Hong Kong: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	350+440 Hz	Continuous, min. 1.5 seconds
Busy	480+620 Hz	500 on, 500 off (2 cycles)
Ring	440+480 Hz	1000 on, 3000 off
Reorder	480+620 Hz	250 on, 250 off (2 cycles)
Stutter	375+425 Hz	125 on, 125 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	375+425 Hz	125 on, 125 off followed by continuous tone of min. 1.5 seconds; report as "dial"
Second additional	375+425 Hz	125 on, 125 off (2 cycles) followed by continuous tone of min. 1.5 seconds; report as "stutter"
Third additional	—	—

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Table B-22.   Hong Kong: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low-Level Group (dBm)	-8	yes
DTMF On-time (ms)	360	yes
DTMF Off-time (ms)	160	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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India

Table B-23.   India: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	350+440 Hz	Continuous, min. 1.5 seconds
Busy	480+620 Hz	300 on, 600 off (2 cycles)
Ring	440+480 Hz	1500 on, 3500 off
Reorder	480+620 Hz	250 on, 250 off (2 cycles)
Stutter	350+440 Hz	150 on, 150 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-24.   India: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low-Level Group (dBm)	-8	yes
DTMF On-time (ms)	100	yes
DTMF Off-time (ms)	60	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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Japan

Table B-25. Japan: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	404 Hz	Continuous, min. 2 seconds
Busy	404 Hz	500 on, 500 off (2 cycles)
Ring	375+425 Hz	1250 on, 2500 off
Reorder	—	—
Stutter	404 Hz	100 on, 100 off (3 cycles) followed by 250 on, 250 off
First additional	404 Hz	250 on, 250 off (2 cycles); report as "dial"
Second additional	—	—
Third additional	—	—

Table B-26. Japan: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-10.2	yes
DTMF Low Level Group (dBm)	-11.2	yes
DTMF On-time (ms)	80	yes
DTMF Off-time (ms)	80	yes
Clipping threshold (dBm)	-16	yes
Clipping duration (ms)	1000	yes
Clipping limit (dBm)	-16	yes
CPT detect minimum (dBm)	-30	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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Luxembourg

Table B-27.   Luxembourg: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	425 Hz	Continuous, min. 1.5 seconds
Busy	425 Hz	500 on, 500 off (2 cycles)
Ring	425 Hz	1000 on, 3000 off
Reorder	425 Hz	250 on, 250 off (2 cycles)
Stutter	—	—
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-28.   Luxembourg: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low Level Group (dBm)	-8	yes
DTMF On-time (ms)	100	yes
DTMF Off-time (ms)	100	yes
Clipping threshold (dBm)	-10	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-10	yes
CPT detect minimum (dBm)	-25	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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Mexico

Table B-29.   Mexico: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	350+425 Hz	Continuous, min. 2 seconds
Busy	350+425 Hz	250 on, 250 off (2 cycles)
Ring	425 Hz	1000 on, 4500 off
Reorder	—	—
Stutter	350+425 Hz	100 on, 100 off (3 cycles), followed by continuous tone of min. 2 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-30.   Mexico: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low Level Group (dBm)	-8	yes
DTMF On-time (ms)	80	yes
DTMF Off-time (ms)	80	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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Netherlands

Table B-31. Netherlands: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	425 Hz	Continuous, min. 1.5 seconds
Busy	425 Hz	500 on, 500 off (2 cycles)
Ring	425 Hz	1000 on, 3500 off
Reorder	425 Hz	250 on, 250 off (2 cycles)
Stutter	—	—
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-32. Netherlands: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-8.7	yes
DTMF Low Level Group (dBm)	-10.7	yes
DTMF On-time (ms)	100	yes
DTMF Off-time (ms)	100	yes
Clipping threshold (dBm)	-11.5	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-11.5	yes
CPT detect minimum (dBm)	-25	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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New Zealand

Table B-33.   New Zealand: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	404+450 Hz	Continuous, min. 1.5 seconds
Busy	425 Hz	400 on, 400 off (2 cycles)
Ring	404+425 Hz	400 on, 200 off, 400 on, 2000 off
Reorder	425 Hz	2500 on, 500 off
Stutter	404+450 Hz	150 on, 150 off (3 cycles) followed by continuous tone, min. 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-34.   New Zealand: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	1	no
DTMF High Level Group (dBm)	-8	yes
DTMF Low Level Group (dBm)	-10	yes
DTMF On-time (ms)	60	yes
DTMF Off-time (ms)	100	yes
Clipping threshold (dBm)	-12	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-12	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	350	no
Input volume	4000	no
Output volume	1000	no

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Singapore

Table B-35. Singapore: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	404+450 Hz	Continuous, min. 1.5 seconds
Busy	404 Hz	400 on, 400 off (2 cycles)
Ring	404+425 Hz	250 on, 250 off, 250 on, 2000 off
Reorder	404+425 Hz	2500 on, 500 off
Stutter	404+450 Hz	150 on, 150 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	404+450 Hz	150 on, 150 off followed by continuous tone of min. 1.5 seconds
Second additional	—	—
Third additional	—	—

Table B-36. Singapore: Analog Interface Parameters

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low Level Group (dBm)	-8	yes
DTMF On-time (ms)	80	yes
DTMF Off-time (ms)	80	yes
Clipping threshold (dBm)	-10	yes
Clipping duration (ms)	750	yes
Clipping limit (dBm)	-10	yes
CPT detect minimum (dBm)	-30	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

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Spain

Table B-37. Spain: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	425 Hz	Continuous, min. 2.5 seconds
Busy	425 Hz	200 on, 200 off (2 cycles)
Ring	425 Hz	1500 on, 3000 off
Reorder	425 Hz	200 on, 200 off (2 cycles) followed by 200 on, 600 off
Stutter	425 Hz	150 on, 150 off (3 cycles) followed by continuous tone of min. 2.5 seconds
First additional	425 Hz	150 on, 150 off (2 cycles) followed by continuous tone of min. 2.5 seconds; report as "stutter"
Second additional	425 Hz	150 on, 150 off followed by continuous tone of min. 2.5 seconds; report as "dial"
Third additional	—	—

Table B-38. Spain: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low Level Group (dBm)	-8	yes
DTMF On-time (ms)	80	yes
DTMF Off-time (ms)	160	yes
Clipping threshold (dBm)	-10	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-10	yes
CPT detect minimum (dBm)	-25	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no

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Table B-38. Spain: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

Thailand

Table B-39. Thailand: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	350+440 Hz	Continuous, min. 1.5 seconds
Busy	480+620 Hz	300 on, 600 off (2 cycles)
Ring	440+480 Hz	1500 on, 3500 off
Reorder	480+620 Hz	250 on, 250 off (2 cycles)
Stutter	350+440 Hz	150 on, 150 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-40. Thailand: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low Level Group (dBm)	-8	yes
DTMF On-time (ms)	360	yes
DTMF Off-time (ms)	160	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes

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Table B-40. Thailand: Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no

United Kingdom

Table B-41. United Kingdom: Switch Tones Parameters Default Settings

Tone	Frequency	Description
Dial	350+440 Hz	Continuous, min. 1.5 seconds
Busy	404 Hz	375 on, 375 off (2 cycles)
Ring	404+450 Hz	400 on, 200 off, 400 on, 2000 off
Reorder	404 Hz	400 on, 350 off, 225 on, 525 of 400 on, 350 off, 225 on, 525 off
Stutter	350+440 Hz	100 on, 100 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

Table B-42. United Kingdom Analog Interface Parameters Default Settings

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-11	yes
DTMF Low Level Group (dBm)	-13	yes
DTMF On-time (ms)	80	yes
DTMF Off-time (ms)	80	yes

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Table B-**42.** **United Kingdom Analog Interface Parameters Default Settings**

Parameter	Default Value	Restricted?
Clipping threshold (dBm)	-13	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-9	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	80	no
Input volume	4000	no
Output volume	1000	no

United States

Table B-**43.** **United States: Switch Tones Parameters Default Settings**

Tone	Frequency	Description
Dial	350+440 Hz	Continuous, min. 1.5 seconds
Busy	480+620 Hz	300 on, 600 off (2 cycles)
Ring	440+480 Hz	1500 on, 3500 off
Reorder	480+620 Hz	250 on, 250 off (2 cycles)
Stutter	350+440 Hz	150 on, 150 off (3 cycles) followed by continuous tone of min. 1.5 seconds
First additional	—	—
Second additional	—	—
Third additional	—	—

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Table B-**44. United States Analog Interface Parameters Default Settings**

Parameter	Default Value	Restricted?
Answer delay (rings)	0	no
DTMF High Level Group (dBm)	-6	yes
DTMF Low Level Group (dBm)	-8	yes
DTMF On-time (ms)	360	yes
DTMF Off-time (ms)	160	yes
Clipping threshold (dBm)	-11	yes
Clipping duration (ms)	500	yes
Clipping limit (dBm)	-8.8	yes
CPT detect minimum (dBm)	-35	yes
Energy detect minimum (dBm)	-38	yes
Post onhook delay (ms)	2000	no
Post offhook delay (ms)	1500	no
Wink duration (ms)	300	no
Input volume	4000	no
Output volume	1000	no