

SLA Operation Manual

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TRADEMARKS

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INTRODUCTION

The Single Line Announcer (SLA) is a solid-state, digital announcer designed for continuous maintenance-free operation. The SLA provides high quality recorded messages for telephone applications including ACD / UCD, DID intercept, after hours, hotel wake up and general public information announcements.

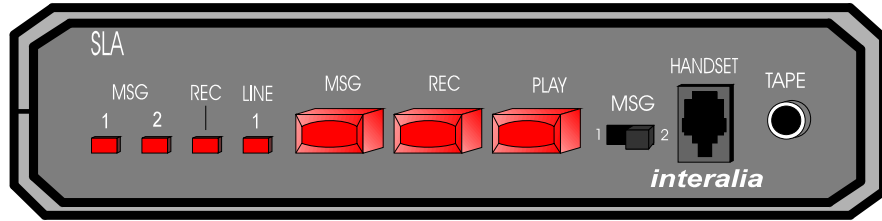
Up to 2 messages can be recorded on the SLA allowing the user to pre-record day and night / holiday messages. A simple change to the 2 positions slide switch from MSG 1 to MSG 2 allows complete control over what your caller hears.

The SLA allows the user to link both messages together (e.g., the same message in two languages).

The SLA uses non-volatile FLASH based memory that will retain the recorded messages during power interruptions. The SLA is equipped with 1 minute of recording time. The messages can be recorded from a handset or downloaded from a tape deck.

Installation and operation are simple and the SLA interfaces with all major telephone systems.

FRONT VIEW



LIGHT EMITTING DIODES (LEDs)

The front panel of the SLA has four LEDs. The MSG 1 & MSG 2 LEDs indicate the status of recorded messages:

When the MSG LED is...	The message is...
Off	<ul style="list-style-type: none">• Not Recorded
On	<ul style="list-style-type: none">• Recorded
Blinking	<ul style="list-style-type: none">• Selected and ready to be recorded or played back using the handset.

While a message is being recorded, the REC LED is illuminated. While a caller is on the phone line, the LINE LED is illuminated.

RED PUSH BUTTONS

The front panel has three red push buttons. This table describes the function of each button.

Button Name	Function
MSG	<ul style="list-style-type: none">• Press the MSG button to toggle between MSG 1 and MSG 2
REC	<ul style="list-style-type: none">• Press the REC button twice to begin recording a message• Press the REC button once to stop / end recording
PLAY	<ul style="list-style-type: none">• Press the PLAY button once to begin message playback• Press the PLAY button a second time to stop / end message playback

INTERFACE CONNECTORS

The front panel has two interface connectors. The following table describes the function of each connector.

Input Connector	Function
Handset	<ul style="list-style-type: none"> The SLA handset (used for message recording / playback) is connected to the Handset Input.
Tape	<ul style="list-style-type: none"> A tape deck can be used to record messages to the SLA. Connect the tape deck to the Tape Input.

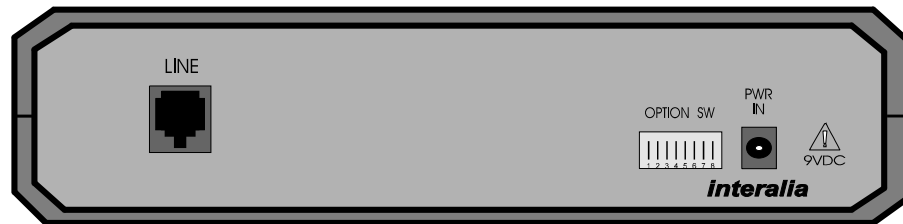
NOTE: The tape deck overrides the Handset when a tape deck is connected to the Tape Input.

MSG SLIDE SWITCH, TWO POSITION

The position of the Slide Switch determines which message the SLA will play to an incoming call.

When the MSG Slide Switch is in...	The SLA plays...
Position 1	Message 1
Position 2	Message 2

REAR VIEW



Connectors & Switches	Description
Line	<ul style="list-style-type: none"> The incoming telephone line is connected to the Phone Line jack.
Option Sw	<ul style="list-style-type: none"> The 8-pin Option Switch is used to configure different SLA settings including Mode of Operation.
Pwr In	<ul style="list-style-type: none"> Connect the power adapter that came with the SLA to the Power Input Connector.

INSTALLATION AND OPERATION

INSTALLATION



Caution: Except for connecting the SLA to properly installed telephone line jacks using the cable(s) provided, the installation of telephone lines is to be done by qualified personnel only.

Vorsicht: Außer dem Anschließen des SLA an richtig angebrachte Telephonleitung Steckfassungen sollte das Verwenden der Kabel, die Installation der Telephonleitungen soll von nur qualifiziertem Personal getan werden zur Verfügung.

Follow these steps to install the SLA:

- 1) Connect the incoming telephone line to the RJ-11 Line connector.
- 2) Configure the 8-position option switch using the Option Switch table.
- 3) Connect power to the SLA using the adapter supplied by Interalia.
- 4) Connect the handset or tape deck to the Handset / Tape input.

NOTE: *The tape deck overrides the Handset when a tape deck is connected to the Tape Input..*

RECORD A MESSAGE

Follow these steps to select and record a message:

- 1) Press the MSG button until the desired MSG LED blinks.
- 2) Press the REC button twice.
- 3) Record your message into the handset or press “play” on the tape deck if using the Tape input to record.
- 4) Press the REC button to stop / end recording.
- 5) Play the message to verify content and voice clarity.

NOTE: *The tape deck overrides the Handset when a tape deck is connected to the Tape Input.*

PLAY A MESSAGE

Follow these steps to select and play (listen to) a message:

- 1) Press the MSG button until the desired MSG LED blinks.
- 2) Press the PLAY button.
- 3) Listen to the message. Press the PLAY button to stop message play back.

LINKING MESSAGES

The SLA has two message playback configurations:

- Not linked (Option switch / Pin #7 in the OFF position)
- Linked (Option switch / Pin #7 in the ON position)

Messages are not linked:

When the MSG Slide Switch is in...	The SLA plays...
Position 1	Message 1
Position 2	Message 2

Messages are linked:

When the MSG Slide Switch is in...	The SLA plays...
Position 1	Message 1 followed by Message 2
Position 2	Message 2 followed by Message 1

OPTION SWITCH

The SLA has an 8-position Option Switch that must be configured before it is installed.

Function	Pin Setting							
	1	2	3	4	5	6	7	8
Volume Control								
Maximum Level	ON							
Minimum Level	OFF							
CP Contact during message play								
CP Normally Closed		ON						
CP Normally Open		OFF						
Operation Mode								
Ring Start with Loop Current Check (Default)			OFF	ON	ON	ON		
Ring Start without Loop Current Check			ON	OFF	ON	ON		
Continuous Play with Control Pulse relay			ON	ON	ON	OFF		
Continuous Play without Control Pulse relay			OFF	ON	ON	OFF		
Pulse Start / Level Return			ON	OFF	OFF	ON		
Pulse Start / Pulse Return			OFF	OFF	OFF	ON		
Level Start / Pulse Return			OFF	OFF	ON	ON		
Level Start / Pulse Return - Multiple Play			ON	ON	OFF	ON		
Level Start / Level Return			OFF	ON	OFF	ON		
Offline			ON	ON	ON	ON		
Message to Line Configuration								
Linked Messages							ON	
Un-linked Messages							OFF	
Number of Rings Before Answer								
One								ON
Three								OFF

OPERATION MODES

The SLA can interface with a CO line, Key System, or Private Branch Exchange (PBX). This section describes the different line operation modes supported by the SLA. Pins 3, 4, 5, and 6 on the 8 position Option Switch are used to configure the operation mode.

NOTE: *CP = Control Pulse.*

- **Ring Start Loop Current Check**

The message plays once in response to a Loop or Ground Start signal. The message will stop playing before completion if the loop current is removed from the line. The line disconnects when the message is finished.

- **Ring Start without Loop Current Check**

The message plays once in response to a Loop or Ground Start signal. The message will not stop playing if loop current is removed from the line. The line disconnects when the message is finished.

- **Continuous Play with Control Pulse relay**

The message plays continuously to the line. The CP contacts inside the SLA toggle position for approximately 250 mSec. at the start of the message.

- **Continuous Play without Control Pulse relay**

The message plays continuously to the line. The CP contacts inside the SLA do not toggle their position at the start of the message.

- **Pulse Start / Level Return**

The message plays once in response to a start signal. The CP contacts inside the SLA toggle position while the message is playing.

- **Pulse Start / Pulse Return**

The message plays once in response to a start signal. The CP contacts toggle position for approximately 250 mSec. at the end of the message.

- **Level Start / Pulse Return**

The message plays once in response to a start signal. The CP contacts inside the SLA toggle position for approximately 250 mSec. at the start and end of the message. The message stops playing if the start signal is removed.

- **Level Start / Pulse Return - Multiple Play**

The message plays in response to a start signal. The CP contacts inside the SLA toggle position for approximately 250 mSec. at the start and end of the message. The message stops playing if the start signal is removed. The message plays repeatedly until the start signal is removed.

- **Level Start / Level Return - Play Once**

The message plays once in response to a start signal. The CP contacts inside the SLA toggle position while the message is playing. The message stops playing if the Start signal is removed.

TROUBLESHOOTING

If the SLA is not working properly, please review the following troubleshooting steps. If the problem persists, see **Appendix D – Technical Support and Repairs**.

Problem	Verify the following...
SLA does not power up	<ul style="list-style-type: none"> • Is the power adapter connected between the SLA and the power outlet?
SLA does not answer calls	<ul style="list-style-type: none"> • Is the message recorded? • Is the Option Switch set correctly? See Operation Mode Selection and Option Switch Settings. • Is the MSG slide switch set correctly? • Is the telephone line / port working?
Poor recording quality from the handset	<ul style="list-style-type: none"> • Is the handset the Interavia handset that came with the SLA? • Speak directly into the handset while recording.
Partial message recorded	<ul style="list-style-type: none"> • Is the message(s) longer than the total recording time (minutes) of the SLA?
Unable to record from the Handset?	<ul style="list-style-type: none"> • Is the handset the Interavia handset that came with the SLA? • Verify that a tape deck is not connected to the Tape jack.
Message playback volume is too high or too low	<ul style="list-style-type: none"> • Is pin 1 of the option switch in the correct position? Refer to the Option Switch chart for the correct setting.

APPENDIX A – RJ-11 LINE CONNECTOR PIN-OUT

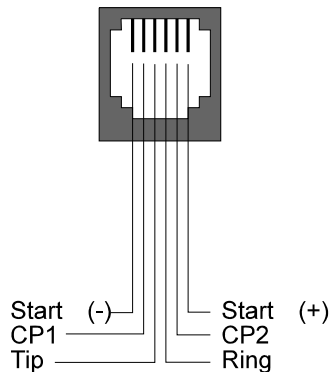


Caution: Except for connecting the SLA to properly installed telephone line jacks using the cable(s) provided, the installation of telephone lines is to be done by qualified personnel only.

Vorsicht: Außer dem Anschließen des SLA an richtig angebrachte Telephonleitung Steckfassungen sollte das Verwenden der Kabel, die Installation der Telephonleitungen soll von nur qualifiziertem Personal getan werden zur Verfügung.

The diagram below represents the pin-out of the RJ-11 line input connector on the back of the SLA.

Use this pin-out diagram as a reference when connecting the SLA to the Public Telephone Network or any of the PBXs listed in **Appendix B – Telephone Network / PBX Connections**



SLA Line input connector

NOTE: Installation of the equipment is the sole responsibility of the purchaser. The manufacturer, its agents and distributors accept no responsibility for malfunction or damage caused by improper connection of the unit.

APPENDIX B – TELEPHONE NETWORK / PBX CONNECTIONS

The following tables represent how the SLA connects to most Public Telephone Networks and / or PBXs.

Switch Type	Public Network, PBX Analog Station, Analog Centrex Line		Lucent G2, G3, Definity (option 1)		Lucent G2, G3, Definity (option 2)	
Operation Mode	Ring Start		Pulse Start / Level Return (NO)		Level Start / Pulse Return (NO)	
	SLA	PBX	SLA	PBX	SLA	PBX
	Ring	Ring	Ring	Ring	Ring	Ring
	Tip	Tip	Tip	Tip	Tip	Tip
			Start -	Battery *	Start -	Battery *
			Start +	S	Start +	SZ1
			CP 1	AL1	CP 1	S
		CP 2	Ground	CP 2	S1	
NOTES: <i>NO = Normally Open NC = Normally Closed</i>			<ul style="list-style-type: none"> Use a SN231 card The ground must come from the circuit pack 		<ul style="list-style-type: none"> Use a TN 763C Card The ground must come from the Circuit pack Strap the SZ lead to the ground of the external power supply Strap the -48VDC to the Start - on the SLA. 	

NOTE: * = Identifies the signal from the PBX power supply or the System Ground.

Switch Type	AT&T System 75 / 85		AT&T Dimension 2000		Ericsson MD 110									
Operation Mode	Pulse Start / Level Return (NC)		Pulse Start / Level Return (NC)		Pulse Start / Level Return – Single Play (NO)									
	SLA	PBX	SLA	PBX	SLA	PBX								
	Ring	Ring	Ring	Ring	Ring	T-Rec								
	Tip	Tip	Tip	Tip	Tip	R-Tx								
	Start -	Battery *	Start -	Battery *	Start -	M								
	Start +	S	Start +	S2	Start +	Aux GND								
	CP 1	AL1	CP 1	AL1	CP 1	S – GND								
	CP 2	Ground	CP 2	Battery *	CP 2	E								
NOTES: <i>NO = Normally Open NC = Normally Closed</i>	<ul style="list-style-type: none"> Ground must come from the circuit pack 		<ul style="list-style-type: none"> Connect the SLA to the LC13 Circuit Pack , Recorded Announcement Interface Set the switches on the LC13 as follows: <div style="margin-left: 40px;"> <table style="border: none;"> <tr> <td style="padding-right: 20px;">Circuit 0</td> <td>Circuit 1</td> </tr> <tr> <td>4 – Open</td> <td>1 – Open</td> </tr> <tr> <td>5 – Closed</td> <td>2 – Closed</td> </tr> <tr> <td>6 – Open</td> <td>3 – Open</td> </tr> </table> </div> 		Circuit 0	Circuit 1	4 – Open	1 – Open	5 – Closed	2 – Closed	6 – Open	3 – Open	<ul style="list-style-type: none"> Var. = 00, Type = RA1 Connect S Bat from PBX to Aux. Bat. 	
Circuit 0	Circuit 1													
4 – Open	1 – Open													
5 – Closed	2 – Closed													
6 – Open	3 – Open													

Switch Type	Harris 20 / 20 LH & M		Hitachi EDX / MDX / LDX		Hitachi HCX – 5000	
Operation Mode	Level Start / Pulse Return – Single Play (NO)		Level Start / Pulse Return – Single Play (NO)		Level Start / Pulse Return – Single Play (NO)	
	SLA	PBX	SLA	PBX	SLA	PBX
	Ring	Ring	Ring	Ring	Ring	Ring
	Tip	Tip	Tip	Tip	Tip	Tip
	Start -	M	Start -	Battery *	Start -	M
	Start +	Ground *	Start +	SSL0	Start +	SG
	CP 1	E			CP 1	E
	CP 2	Ground *			CP 2	SG
NOTES: NO = Normally Open NC = Normally Closed	<ul style="list-style-type: none"> Connect the SLA to a 2 or 4 wire E&M Trunk Card Configure E&M Trunk Card for Type 1 E&M signaling 		<ul style="list-style-type: none"> Connect the SLA to the Hitachi card number 4SRBWT Connect SS0 lead to the system ground 		<ul style="list-style-type: none"> HCX programming: Specify one or two announcements played to the caller Trunk type = OGT Connection type =TKTH Set the strapping on the 4ANIF card as follows: TM00 1-2 TM02 3-4 TM01 1-2 TM03 1-2 	

Switch Type	NEC NEAX 2400		Northern Telecom SL 1 (Option 1)		Northern Telecom Meridian 1 (Option 1)	
Operation Mode	Level Start / Pulse Return – Single Play (NO)		Continuous Play (NO)		Continuous Play (NO)	
	SLA	PBX	SLA	PBX	SLA	PBX
	Ring	Ring	Ring	Ring	Ring	Ring
	Tip	Tip	Tip	Tip	Tip	Tip
	Start -	M				
	Start +	Ground *				
			CP 1	CP/ E	CP 1	CP/ E
			CP 2	Ground *	CP 2	Ground *
NOTES: NO = Normally Open NC = Normally Closed	<ul style="list-style-type: none"> Connect the SLA to the NEC 4TLT – Loop and Tie Line Interface Circuit Card Set the TLT Circuit Card as follows: Switch 00, 01, 02, 03 – EM Switch 10, 11, 12, 13 – 600 Ohms Switch 20, 21, 22, 23 – Ground Idle 		<ul style="list-style-type: none"> Connect the SLA to the QPC74 Recorded Announcement Circuit Pack Configure the SL-1 for an Audiochron Announcer 		<ul style="list-style-type: none"> Connect the SLA to the NT8D14 UTC, NT5K19, or the Nt5K72AA Configure the Meridian 1 for an Audiochron Announcer DO NOT CONNECT THE MB LEAD Download software by disabling then enabling the card 	

Switch Type	DMS 100 (CENTREX)		Northern Telecom SL 1 (Option 2)		Northern Telecom Meridian 1 (Option 2)	
Operation Mode	Continuous Play (NO)		Pulse Start / Level Return (NO)		Pulse Start / Level Return (NO)	
	SLA	PBX	SLA	PBX	SLA	PBX
	Ring	Ring	Ring	Ring	Ring	Ring
	Tip	Tip	Tip	Tip	Tip	Tip
			Start -	Battery *	Start -	Battery
			Start +	Start / MB	Start +	Start / MB
	CP 1	CP / E	CP 1	CP	CP 1	CP
	CP 2	Ground *	CP 2	Ground *	CP 2	Ground *
NOTES: NO = Normally Open NC = Normally Closed	<ul style="list-style-type: none"> Connect the SLA to the NT2X72AA Card Configure the DMS for an Audiochron Announcer Connect the SLA's Tip and Ring to the NT2X72AA Tip 1 & Ring 1 		<ul style="list-style-type: none"> Connect the SLA to the QPC74 Recorded Announcement Circuit Pack Configure the SL 1 for a Cook Electric 201 Announcer 		<ul style="list-style-type: none"> Connect the SLA to the QPC 74 Recorded Announcement Card, the NT8D14BA UTC, the NT5K19, or the NT5K72AA Configure the Meridian 1 for a Cook Electric 201 Announcer. Download software by disabling then enabling the card 	

Switch Type	Microtel GTD 5		Microtel Omni		Rolm 9200	
Operation Mode	Level Start / Pulse Return – Multiple Play (NO)		Pulse Start / Level Return – (NO)		Level Start / Pulse Return – (NO)	
	SLA	PBX	SLA	PBX	SLA	PBX
	Ring	Ring	Ring	Ring	Ring	Ring
	Tip	Tip	Tip	Tip	Tip	Tip
	Start -	Battery *	Start -	M	Start -	M
	Start +	E	Start +	Ground *	Start +	SG
	CP 1	SSG	CP 1	E	CP 1	E
	CP 2	E	CP 2	Ground *	CP 2	Battery
NOTES: NO = Normally Open NC = Normally Closed	<ul style="list-style-type: none"> Connect the SSG lead to the system ground 				<ul style="list-style-type: none"> Strap the SB lead to the Battery 	

Switch Type	Siemens Saturn		Solid State Junior Executive		Solid State Senior Executive	
Operation Mode	Pulse Start / Level Return (NC)		Synchronized Continuous Play (NC)		Synchronized Continuous Play (NC)	
	SLA	PBX	SLA	PBX	SLA	PBX
	Ring	Ring	Ring	Ring	Ring	Ring
	Tip	Tip	Tip	Tip	Tip	Tip
	Start -	Battery *				
	Start +	EB & MB				
	CP 1	EA	CP 1	M Sync	CP 1	M Sync
	CP 2	Ground *	CP 2	Ground	CP 2	Ground
NOTES: NO = Normally Open NC = Normally Closed	<ul style="list-style-type: none"> Connect the SLA to the E & M Trunk Card 					

Switch Type	Siemens Hicom 150E Office Pro		Siemens Hicom 150 / 300 Series		Siemens 9005 & 9006	
Operation Mode	Pulse Start / Level Return (NC)		Ring Start		Ring Start	
	SLA	PBX	SLA	PBX	SLA	PBX
	Ring	Ring	Ring	Ring	Ring	Ring
	Tip	Tip	Tip	Tip	Tip	Tip
	Start -	Battery *				
	Start +	EB & MB				
	CP 1	EA				
	CP 2	Ground *				
NOTES: NO = Normally Open NC = Normally Closed	<ul style="list-style-type: none"> Connect the SLA to the TIEL Module 		<ul style="list-style-type: none"> CP relay not applicable 		<ul style="list-style-type: none"> CP relay not applicable 	

Switch Type	Rolm 9751		Mitel SX 50 / 200 / 2000		ITT 3100	
Operation Mode	Ring Start		Ring Start		Ring Start	
	SLA	PBX	SLA	PBX	SLA	PBX
	Ring	Ring	Ring	Ring	Ring	Ring
	Tip	Tip	Tip	Tip	Tip	Tip
NOTES: NO = Normally Open NC = Normally Closed	<ul style="list-style-type: none"> CP relay not applicable 		<ul style="list-style-type: none"> CP relay not applicable 		<ul style="list-style-type: none"> CP relay not applicable 	

Switch Type	CBX 8000 & 9000		Tadiran Coral		Toshiba Perception	
Operation Mode	Ring Start		Ring Start		Ring Start	
	SLA	PBX	SLA	PBX	SLA	PBX
	Ring	Ring	Ring	Ring	Ring	Ring
	Tip	Tip	Tip	Tip	Tip	Tip
NOTES: <i>NO = Normally Open</i> <i>NC = Normally Closed</i>	<ul style="list-style-type: none"> • CP relay not applicable 		<ul style="list-style-type: none"> • CP relay not applicable 		<ul style="list-style-type: none"> • CP relay not applicable 	

Switch Type	GPT isdx & Realitis	
Operation Mode	Ring Start	
	SLA	PBX
	Ring	Ring
	Tip	Tip
NOTES: <i>NO = Normally Open</i> <i>NC = Normally Closed</i>	<ul style="list-style-type: none"> • CP relay not applicable 	

APPENDIX C – NOTES FOR UK SYSTEMS

The SLA is suitable for connection to Direct Exchange Lines (DELs) and PBX extensions providing loop disconnect or multi-frequency signaling. The SLA is not suitable for use as an extension to a pay phone.

The SLA is designed to be plugged into a standard UK Line Jack Unit. One Line Jack Unit is required for each one channel SLA.

Pay tone may be received after the SLA answers a call from some types of pay phones and may persist for up to 13 seconds. The announcements should be constructed to ensure the announcement containing the identity of the called line would be heard by pay phone callers after the pay tone has ceased.

APPENDIX D – TECHNICAL SUPPORT AND REPAIRS

Please consult the Troubleshooting section of this user guide if the SLA is experiencing a problem. If the problem persists or the SLA is in need of repairs, please contact one of the following Interavia offices.

Canada, Asia Pacific, Latin America

403 288-2706 (Phone)

Interavia Inc.
4110 – 79th Street NW
Calgary, AB
Canada
T3B 5C2

403 288-5935 (fax)

United States

952 942-6088 (Phone)

Suite 135, 10340 Viking Drive
Eden Prairie, Minnesota
USA
55344

952 942-6172 (fax)

Europe, Middle East, & Africa

+44 (0) 1476 594207 (Phone)

Interavia Communications Limited
Bridge End Road
Grantham, Lincolnshire
NG31 7TS

+44 (0) 1476 594208 (fax)

Visit **Interavia**® Technical Support on the Web at
www.interaviainfo.com

APPENDIX E – APPROVALS

The following information must be read before the announcer is connected.

FCC INFORMATION

This equipment complies with Part 68 of the FCC rules. On the rear of the SLA is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.

The ringer equivalence number (REN) is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to the line, as determined by the total RENs contact the telephone company to determine the maximum REN for the calling area.

If the SLA causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make the necessary modifications in order to maintain uninterrupted service.

If trouble is experienced with the SLA, please contact Interlalia Communications Inc. in Minneapolis, Minnesota, 1-800-531-0115, for repair and warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you remove the equipment from the network until the problem is resolved. All repairs must be carried out by Interlalia at their repair facility located in Minneapolis, Minnesota.

This equipment cannot be used on public coin service provided by the telephone company. Connection to Party Line Service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

FCC Registration Number: F4PCAN-16694-AN-N
Ringer Equivalence Number: 0.6

***NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.*

DOC

The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee that the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an approved method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified jack-plug-cord ensemble (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations. Existing telecommunications company requirements do not permit their equipment to be connected to customer provided jacks, except where specified by individual telecommunications company tariffs.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or the equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephones lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electrical inspection authority, or electrician, as appropriate.

DOC CERTIFICATION NUMBER: 577 10139A

LOAD NUMBER: 0.6

The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which is used by the device, to prevent overloading. The termination on a loop may consist of any combination of devices subject only to the requirement that the total of the Load Numbers of all the devices does not exceed 100.

NOTE: THIS CLASS A DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE CAUSING EQUIPMENT REGULATIONS.

European Information

Too many devices plugged into a socket simultaneously will overload the exchange line and as a result the SLA will not answer calls. The SLA should operate satisfactorily if the sum of the Ringer Equivalence Numbers (REN) marked on each device is 4 or less. The REN of each line on the SLA is "1".

WARNING! Interconnection directly, by way of other apparatus, of ports marked "WARNING: CONNECT ONLY APPARATUS COMPLYING WITH EN 41003 TO THIS PORT" with ports not so marked may produce hazardous conditions on the BT network and should be obtained from a competent engineer before such a connection is made.

APPENDIX F – TECHNICAL SPECIFICATIONS

Recording Time

- 1 minute

Number of Lines

- 1 line

Number of Messages

- 1 and / or 2 messages (user selectable)

Telephone Line Interface

- Connector: RJ-11 C modular jack
- Line activation: loop, ground, battery, E&M, and continuous play.
- Off Hook impedance: 600 ohm nominal
- Output level: High (-10dBm) / Low (-16dBm)

Audio Storage

- Voice encoding / decoding: Pulse code modulation (PCM)
- Storage medium: FLASH
- Sampling Rate: 8kHz, 8 bits / sample
- Frequency response: 300 Hz to 3.4 kHz (+/- 3dB)

Audio Inputs

- Handset: 90 mV to 600mV @ 220 ohms impedance
- Tape: 150 mV to 1000mV @ 10K ohm impedance

Power Supply

- Input: 110 / 120 VAC or 220 / 240 VAC, 50 / 60 Hz 20 W
- Output: 9VDC @ 1A (supports a Center “+” or Center “-” adapter)

Dimensions

- 1.75 in. (4.5 cm) H x 8 in. (20.3 cm) W x 8 in. (20.3 cm) D

Weight

- 3.3 lbs. (1.5 kg.)

Approvals

- FCC, CS-03, NRTL / C, BABT, CE

LIMITED WARRANTY

Interalia warrants this equipment to be free of defects in materials and workmanship for a period of one year from the date of shipment. All defects will be repaired without charge upon return of the unit to the factory.

This warranty is null and void if any modifications have been made to the unit or the unit has been subjected to physical or electrical stress as determined by the manufacturer.

This warranty covers parts and labor only and does not include shipping costs, travel expenses, or travel time.

Installation of the equipment is the sole responsibility of the purchaser. The manufacturer, its agents or distributors, accept no responsibility for malfunction or damage caused by improper connection of the unit.

THE MANUFACTURER, ITS AGENTS OR DISTRIBUTORS, ARE NOT LIABLE FOR ANY LOSSES INCURRED THROUGH THE USE OF THE EQUIPMENT OR BY THE MALFUNCTION OF THE EQUIPMENT IN ANY MEANS WHATSOEVER.

THIS WARRANTY IS LIMITED TO THE REPAIR OF THE EQUIPMENT TO ITS ORIGINALLY PUBLISHED SPECIFICATIONS.

THIS WARRANTY IS COMPLETE AS STATED AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, ARE NOT VALID.

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