Provisioning of Algo SIP Endpoints

Parameters Guide

Need Help?

(604) 454-3792 or support@algosolutions.com

Algo Communication Products Ltd
4500 Beedie St Burnaby BC Canada V5J 5L2
www.algosolutions.com
(604) 454-3792
support@algosolutions.com

Table of Contents

Algo Communication Products Ltd
4500 Beedie St Burnaby BC Canada V5J 5L2
www.algosolutions.com
(604) 454-3792
support@algosolutions.com

1. Introduction

This document provides an overview of the settings and corresponding parameters names, as well as acceptable values used for provisioning. Provisioning allows system administrators to manage & configure large numbers of devices without the need to log into each individual web interface, which can save time and ensure consistent setups.

This guide was developed based on the Algo 8301 Paging Adapter & Scheduler firmware 1.7.5. It will cover the vast majority of parameters available across all Algo SIP endpoints, but not all. For settings not available in this document, please contact Algo support for assistance.

For steps required to configure provisioning and detailed behaviour, please check the Provisioning Guide.

1.2 Generating Initial Configuration Files

The simplest way to generate a configuration file is by downloading a settings backup from a device using the web interface. Go to System -> Maintenance and click on “Download Configuration File”. This file is in the same format as is used for provisioning, and will contain all the settings as currently applied on the device. Open the file in a text editor and modify it as required based on this guide.

1.3 Tips

- Add comments to the configuration file using '#' character. Note that only “full line” comments are allowed (i.e. the ‘#’ should be at the beginning of a line; attempting to add a ‘#’ after a parameter would be interpreted as part of the parameter’s value string).
- The easiest way to identify the name of a parameter is to do a lookup from the web interface, to view which parameter a given option is associated with. Right-click on the desired option in the web interface, and then select “Inspect” or "Inspect Element". In the code window that appears, you may need to click on the triangle at the start of the highlighted line to expand the block if it is not already visible (depends on the browser used). Look for the 'name' tag to find the parameter name. For example, for the SIP Server field, you’ll see ' name="sip.proxy" '

Algo Communication Products Ltd
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2. Basic Settings

2.1 SIP

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
sip.proxy	SIP Domain (Proxy Server)	Null (default) IP address or domain name + port number Default port is 5060. To specify a different port, enter PROXY:PORT, e.g. my_proxy.com:5070	N/A	SIP Server Name or IP Address
sip.detect.mode	Ring/Alert Mode	Monitor "Ring" event on registered SIP extension = "1" (Default) None = "0"	N/A	Option for adding a second SIP extension for ring detection and playing WAV file
sip.alert1.user	Ring Extension	Null (default) String	sip.detect.mode = 1	This is the SIP extension for the Ring parameter
sip.alert1.auth	Authentication ID	Null (default) String	sip.detect.mode = 1	SIP server authentication ID
sip.alert1.pwd	Authentication Password	Null (default) String	sip.detect.mode = 1	SIP password for the account
sip.alert1.dname	Display Name (Optional)	Null (default) String	sip.detect.mode = 1	Optional display name
sip.u1.user	Page Extension	Null (default) String	N/A	This is the SIP extension for the Page parameter
sip.u1.auth	Authentication ID	Null (default) String	N/A	SIP server authentication ID
sip.u1.pwd	Authentication Password	Null (default) String	N/A	SIP password for the account
sip.u1.dname	Display Name (Optional)	Null (default) String	N/A	Optional display name

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2.2 Features

Parameter	Name on Web Portal	Permitted Values		Requirement/prereq	Description
audio.ring.tone	Ring/Alert Tone	bell-na.wav bell-uk.wav buzzer.wav chime.wav dogs.wav gong.wav	page-notif.wav tone-1kHz-max.wav warble1-low.wav (Default) warble2-med.wav warble3-high.wav warble4-trill.wav	N/A	WAV file to play when a ring event is detected on the SIP Ring extension. Other tones may be used if previously uploaded to the unit
audio.ring.vol	Ring/Alert Volume	(Default) 10 = "0dB" 9 = "-3dB" 8 = "-6dB" 7 = "-9dB" 6 = "-12dB" 5 = "-15dB" 4 = "-18dB" 3 = "-21dB"	2 = "-24dB" 1 = "-27dB" 0 = "-30dB" -1 = "-33dB" -2 = "-36dB" -3 = "-39dB" -4 = "-42dB" -5 = "-45dB"	N/A	Speaker volume for SIP ring event
phone.timeout.ring	Ring Limit	1 ring = "6" 2 rings = "12" 3 rings ="18" 4 rings = "24"	5 rings = "30" 6 rings = "36" (Default) No limit = "0"	N/A	Can be used to set a limit on how long the associated speaker will ring before timing out
audio.page.vol	Page Volume	Reference audio.ring.vol permitted values		N/A	Speaker volume control for SIP paging or multicast
audio.page.mode	Page Mode	(Default) One-way = "0" Two-way = "1" Delayed = "2"		N/A	A call to the SIP page extension can be one-way, two-way or delayed. In delay mode, the device will store the page into memory and then play after disconnect
phone.timeout.inbound	Page Timeout	None = "0" 30 seconds = "30" 1 minute = "60" 2 minutes = "120" (Default) 5 minutes = "300"	10 minutes ="600" 20 minutes = "1200" 30 minutes = "1800" 60 minutes = "3600"	N/A	A time limit may be set for an active page

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phone.tone.page	Page Tone	None Default bell-na.wav bell-uk.wav buzzer.wav chime.wav dogs.wav gong.wav page-notif.wav tone-1kHz-max.wav warble1-low.wav warble2-med.wav warble3-high.wav warble4-trill.wav	N/A	Pre-announce tone for paging. Use only Default, or custom uploaded file. Other tones may be used if previously uploaded to the unit
audio.codec.g722	G.722 Support	(Default) Enabled = "1" Disabled = "0"	N/A	Enable or disable the G.722 codec
dtmfpc.page.use	Passcode Protected Page Extensions	Enabled = "1" (Default) Disabled = "0"	N/A	Set all page extensions to require the caller to enter a passcode
dtmfpc.page.code	Passcode	Null (default) String	dtmfpc.page.use = 1	Set the passcode for page extensions
dtmfpc.page.tone	Passcode Prompt Tone	Reference phone.page.tone permitted values	dtmfpc.page.use = 1	Other may be used if uploaded
phone.dtmf.src	DTMF Detection Type	Auto = "auto" (Default) RTP Telephony Event (RFC 4733) = "rtp-telev" RTP In-band = "rtp-inband" SIP INFO = "sip-info"	N/A	Select the desired DTMF detection type
audio.noise.use	Ambient Noise Compensation	Enabled = "1" (Default) Disabled = "0"	N/A	The microphone will measure the ambient noise during idle periods and automatically increment the volume
audio.agc.use	Automatic Gain Control (AGC)	(Default) Enabled = "1" Disabled = "0"	N/A	Normalizes the audio level
audio.output.level	Line Out' Analog Output Level	(Default) +4dBu 10k (1.23 Vrms) = "0" 0dBu 10k (0.775 Vrms) = "1" 0dBV 10k (1.0 Vrms) = "2" -10dBV 10k (0.316 Vrms) = "3" 0dBm 600 ohm (0.775 Vrms) = "4" -10dBm 600 ohm (0.245 Vrms) = "5" -20dBm 600 ohm (0.077 Vrms) = "6"	N/A	Multiple output levels are available, allowing the unit to interface with a wide variety of devices

2.3 Multicast

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
mcast.mode	Multicast Mode	(Default) None = "0" Master/Sender = "1" Slave/Receiver = "2"	N/A	Select the desired multicast mode
Master Mode Settings				
mcast.polycom.mode	Multicast Type	(Default) Regular (RTP) = "0" Polycom Group Page = "1" Polycom Push-to-Talk = "2" Regular RTP + Polycom Group Page = "3" Regular RTP + Polycom Push-to-Talk = "4"	mcast.mode = 1	Select the desired multicast type
Regular (RTP) - Multicast Type				
mcast.zones.exp	Number of Zones	(Default) Basic Zones Only = "0" Basic and Expanded Zones = "1"	mcast.mode = 1 mcast.polycom.mode = 0	Select “basic” zones if configuring nine or fewer multicast zones or “expanded” to configure up to 50 zones
mcast.zones.select	Zone Selection Mode	(Default) Single Zone = "0" DTMF Selectable Zone = "1"	mcast.mode = 1 mcast.polycom.mode = 0	“Single Zone” always broadcasts on one IP address. In “DTMF Selectable Zone” mode, the IP address is determined by the zone selected

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mcast.master.fixed	Master Single Zone	Priority Call = "9" All Call = "8" Music = "7" Zone 1 = "1" Zone 6 = "6" . . . Zone *10 = "10" . . . Zone *50 = "50"	mcast.mode = 1 mcast.polycom.mode = 0	Default multicast zone applied to Ring and Page event, unless specified otherwise
mcast.master.zones	Speaker Playback Zones	Numbers separated by commas Example: "mcast.master.zones = 1,2,3,4,5,6,7,8,9"	mcast.mode = 1 mcast.polycom.mode = 0	Allows Master device to play local audio for selected zones only. Multicast will still be active for the particular zone
mcast.zones.tone	Zone Selection Tone	Default bell-na.wav bell-uk.wav buzzer.wav chime.wav dogs.wav gong.wav page-notif.wav tone-1kHz-max.wav warble1-low.wav (Default) warble2-med.wav warble3-high.wav warble4-trill.wav	mcast.mode = 1 mcast.polycom.mode = 0 mcast.zones.select = 1	Select the tone to play, when the user is prompted to choose a multicast zone
Polycom Group Page / Polycom Push-to-Talk - Multicast Type				
mcast.polycom.zone	Polycom Zone	(Default) 224.0.1.116:5001 Ip address and port number	mcast.mode = 1 mcast.polycom.mode = 1 or mcast.polycom.mode = 2	Multicast address used for Polycom Group Page

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mcast.groups.select	Polycom Group Selection Mode	(Default) Single Group = "0" DTMF Selectable Group = "1"	mcast.mode = 1 mcast.polycom.mode = 1 or mcast.polycom.mode = 2	“Single Group” always broadcasts on one IP address. In “DTMF Selectable Group” mode, the IP address is determined by the zone selected
mcast.polycom.default	Polycom Default Channel	Group 1 = "1" Group 25 = "25" … Group 2 = "2"	mcast.mode = 1 mcast.polycom.mode = 1 or mcast.polycom.mode = 2	Default multicast channel applied to Ring and Page event, unless specified otherwise
mcast.polycom.pbgroups	Speaker Playback Groups	(Default) All groups checked 1,2,3,4, … ,25	mcast.mode = 1 mcast.polycom.mode = 1 or mcast.polycom.mode = 2	Allows Master device to play local audio for selected groups only. Multicast will still be active for the particular group
mcast.zones.tones	Zone Selection Tone	Reference mcast.zones.tone permitted values	mcast.mode = 1 mcast.polycom.mode = 1 or mcast.polycom.mode = 2	Select the tone to play, when the user is prompted to choose a multicast zone
Regular RTP + Polycom Group Page / Regular RTP + Polycom Push-to-Talk				
Please contact Algo support for assistance.				

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3. Additional Features

3.1 Input/Output

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
io.relayin.mode	Relay Input Mode	(Default) Disabled = "disabled" Relay Normally Open = "open" Relay Normally Open with Supervision (e.g. Algo 1203 Call Switch) = "opensv" Relay Normally Closed = "closed" Relay Normally Closed with Supervision = "closedsv" Mute Switch = "mute" Mute Switch with Supervision = "mutesv" Algo 1202 Call Button = "callbtn" Algo 1204 Volume Control Switch = "volctl" Algo 1204 Volume Control Switch with Supervision = "volctlsv" Algo 1205 Audio Interface Switch = "1205" Algo 1205 Audio Interface Switch with Supervision = "1205sv"	N/A	When triggered by an input relay, the unit can perform actions such as playing a pre-recorded announcement over the speaker(s), sending the announcement as a private message to a phone, or initiating a two-way conversation between the speaker and a phone.
For input mode and action parameters please contact Algo support				
audio.streaming.mode	Audio Always On	Enabled = "1" (Default) Disabled = "0"	N/A	Enable or disable the local speaker to always play a sound on the local speaker and multicast if configured
audio.port.input	Audio Input Port	(Default) Aux In (front blue 3.5mm headset) = "1" Aux Out (front green 3.5mm headset with mic) = "2" Line In (back terminal block & XLR) = "3"	audio.streaming.mode = 1	Select an audio input port

audio.input.gain	Audio Input Volume	+6dB = "6dB" +3dB = "3dB" (Default) 0dB = "0dB" 3dB = "-3dB" -6dB = "-6dB" -9dB = "-9dB" -12dB = "-12dB" -15dB = "-15dB" -18dB = "-18dB" -21dB = "-21dB" -24dB = "-24dB" -27dB = "-27dB" -30dB = "-30dB"	audio.streaming.mode = 1	Adjust the inpuit volume for Audio Always On
io.relayout	Output Relay	(Default) Enabled = "1" Disabled = "0"	N/A	Enable/disable output relay

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www.algosolutions.com
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3.2 Emergency Alerts

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
ann.length	Announcement Duration	Play Once = "0" (Default) Play Until Cancelled = "1"	N/A	Configure the alert to play until it is cancelled or set it to play only once
ann.maxtime	Maximum Announcement Time	1 minute = "60" 5 minutes = "300" (Default) 10 minutes = "600" 15 minutes = "900" 30 minutes = "1800" 1 hour = "3600" No limit = "0"	N/A	Can be used to set a limit on how long the alert will paly before cancelling the event
ann.end	Answer Inbound Call	Enabled = "1" (Default) Disabled = "0"	N/A	If the enabled the call is auto-answered and a confirmation tone is played before starting the alert. If disabled, the alert is triggered just by the inbound ring, without answering the call
Call-to-Cancel				
cancel.ext	Extension	Null (default) String	N/A	Call-to-cancel extension
cancel.auth	Authentication ID	Null (default) String	N/A	SIP server authentication ID
cancel.pwd	Authentication Password	Null (default) String	N/A	SIP password for the account
cancel.dname	Display Name (Optional)	Null (default) String	N/A	Optional display name
cancel.ctone	Confirmation Tone	(Default) None bell-na.wav bell-uk.wav buzzer.wav chime.wav dogs.wav gong.wav page-notif.wav tone-1kHz-max.wav warble1-low.wav warble2-med.wav warble3-high.wav warble4-trill.wav	ann.end = 1	Other may be used if uploaded

Announcement 1				
ann.use1	Announcement 1	Enabled = "1" (Default) Disabled = "0"	N/A	Enable/disable alert 1
ann.ext1	Extension	Null (default) String	ann.use1 = 1	Announcement 1 extension
ann.auth1	Authentication ID	Null (default) String	ann.use1 = 1	SIP server authentication ID
ann.pwd1	Authentication Password	Null (default) String	ann.use1 = 1	SIP password for the account
ann.dname1	Display Name (Optional)	Null (default) String	ann.use1 = 1	Optional display name
ann.tone1	Tone/Pre-recorded Announcement	Use Audio Input Port = "linein" Use Default Ring Tone = "Default" bell-na.wav bell-uk.wav buzzer.wav chime.wav dogs.wav gong.wav page-notif.wav tone-1kHz-max.wav warble1-low.wav warble2-med.wav warble3-high.wav warble4-trill.wav	ann.use1 = 1	Other may be used if uploaded
ann.ctone1	Confirmation Tone	[Reference cancel.ctone permitted values]()	ann.use1 = 1 ann.end = 1	Other may be used if uploaded
ann.zone1	Multicast Zone	None = "-1" Use Default Multicast Zone = "0" Priority Call = "9" All Call = "8" Music = "7" Zone 1 = "1" . . . Zone *50 = "50"	ann.use1 = 1 mcast.mode = 1	Select the desired multicast zone for this alert
Announcement 2 - Announcement 10 increment the number on the parameter name				
Announcement 10				

ann.use10	Announcement 10	Enabled = "1" (Default) Disabled = "0"	N/A	Enable/disable alert 10
ann.ext10	Extension	Null (default) String	ann.use10 = 1	Announcement 10 extension
ann.auth10	Authentication ID	Null (default) String	ann.use10 = 1	SIP server authentication ID
ann.pwd10	Authentication Password	Null (default) String	ann.use10 = 1	SIP password for the account
ann.dname10	Display Name (Optional)	Null (default) String	ann.use10 = 1	Optional display name
ann.tone10	Tone/Pre-recorded Announcement	Reference ann.tone1 permitted values	ann.use10 = 1	Other may be used if uploaded
ann.ctone10	Confirmation Tone	Reference cancel.ctone permitted values	ann.use10 = 1 ann.end = 1	Other may be used if uploaded
ann.zone10	Multicast Zone	Reference ann.zone1 permitted values	ann.use10 = 1 mcast.mode = 1	Select the desired multicast zone for this alert

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3.3 More Page Extensions

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
Priority Call				
mcast.useext9	Priority Call Page Extension	Enabled = "1" (Default) Disabled = "0"	N/A	Enable/disable Priority Call Page ext
mcast.ext9	Extension	Null (default) String	mcast.ext9 = 1	Priority Call extension
mcast.auth9	Authentication ID	Null (default) String	mcast.ext9 = 1	SIP server authentication ID
mcast.pwd9	Authentication Password	Null (default) String	mcast.ext9 = 1	SIP password for the account
mcast.dname9	Display Name (Optional)	Null (default) String	mcast.ext9 = 1	Optional display name
All Call				
mcast.useext8	All Call Page Extension	Enabled = "1" (Default) Disabled = "0"	N/A	Enable/disable All Call Page ext
mcast.ext8	Extension	Null (default) String	mcast.ext8 = 1	All Call extension
mcast.auth8	Authentication ID	Null (default) String	mcast.ext8 = 1	SIP server authentication ID
mcast.pwd8	Authentication Password	Null (default) String	mcast.ext8 = 1	SIP password for the account
mcast.dname8	Display Name (Optional)	Null (default) String	mcast.ext8 = 1	Optional display name
Zone 1				
mcast.useext1	Zone 1 Page Extension	Enabled = "1" (Default) Disabled = "0"	N/A	Enable/disable Zone 1 Page ext
mcast.ext1	Extension	Null (default) String	mcast.ext1 = 1	Zone 1 extension
mcast.auth1	Authentication ID	Null (default) String	mcast.ext1 = 1	SIP server authentication ID

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mcast.pwd1	Authentication Password	Null (default) String	mcast.ext1 = 1	SIP password for the account
mcast.dname1	Display Name (Optional)	Null (default) String	mcast.ext1 = 1	Optional display name
Zone 2 - Zone 6 increment the number on the parameter name				
Music				
mcast.useext7	Music Page Extension	Enabled = "1" (Default) Disabled = "0"	N/A	Enable/disable Music Page ext
mcast.ext7	Extension	Null (default) String	mcast.ext7 = 1	Music extension
mcast.auth7	Authentication ID	Null (default) String	mcast.ext7 = 1	SIP server authentication ID
mcast.pwd7	Authentication Password	Null (default) String	mcast.ext7 = 1	SIP password for the account
mcast.dname7	Display Name (Optional)	Null (default) String	mcast.ext7 = 1	Optional display name
Zone 10 - Zone 50 increment the number on the parameter name				
Zone 50				
mcast.useext50	Music Page Extension	Enabled = "1" (Default) Disabled = "0"	mcast.zones.exp = 1	Enable/disable Zone 50 Page ext
mcast.ext50	Extension	Null (default) String	mcast.useext7 = 1 mcast.zones.exp = 1	Zone 50 extension
mcast.auth50	Authentication ID	Null (default) String	mcast.useext7 = 1 mcast.zones.exp = 1	SIP server authentication ID
mcast.pwd50	Authentication Password	Null (default) String	mcast.useext7 = 1 mcast.zones.exp = 1	SIP password for the account
mcast.dname50	Display Name (Optional)	Null (default) String	mcast.useext7 = 1 mcast.zones.exp = 1	Optional display name

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support@algosolutions.com

3.4 More Ring Extensions

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
Ring Extension 2				
sip.alert2.use	Ring Extension 2	Enabled = "1" (Default) Disabled = "0"	N/A	Enable/disable Ring 2
sip.alert2.user	Extension	Null (default) String	sip.alert2.use = 1	Ring 2 extension
sip.alert2.auth	Authentication ID	Null (default) String	sip.alert2.use = 1	SIP server authentication ID
sip.alert2.pwd	Authentication Password	Null (default) String	sip.alert2.use = 1	SIP password for the account
sip.alert2.dname	Display Name (Optional)	Null (default) String	sip.alert2.use = 1	Optional display name
sip.alert2.tone	Ring Tone	Use Default Ring Tone = "Default" bell-na.wav bell-uk.wav buzzer.wav chime.wav dogs.wav gong.wav page-notif.wav tone-1kHz-max.wav warble1-low.wav warble2-med.wav warble3-high.wav warble4-trill.wav	sip.alert2.use = 1	Other may be used if uploaded
sip.alert2.zone	Multicast Zone	[Reference ann.zone1 permitted values]	sip.alert2.use = 1 mcast.mode = 1	Select the desired multicast zone for this alert
Ring Extension 3 - 10 increment the number on the parameter name				
Ring Extension 10				
sip.alert10.use	Ring Extension 10	Enabled = "1" (Default) Disabled = "0"	N/A	Enable/disable Ring 10
sip.alert10.user	Extension	Null (default) String	sip.alert10.use = 1	Ring 10 extension
sip.alert10.auth	Authentication ID	Null (default) String	sip.alert10.use = 1	SIP server authentication ID

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sip.alert10.pwd	Authentication Password	Null (default) String	sip.alert10.use = 1	SIP password for the account
sip.alert10.dname	Display Name (Optional)	Null (default) String	sip.alert10.use = 1	Optional display name
sip.alert10.tone	Ring Tone	Reference sip.alert2.tone permitted values	sip.alert10.use = 1	Other may be used if uploaded
sip.alert10.zone	Multicast Zone	Reference ann.zone1 permitted values	sip.alert10.use = 1 mcast.mode = 1	Select the desired multicast zone for this alert

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4. Advanced Settings

4.1 Network

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
net.dhcp.use	Protocol	Static IP = "0" (Default) DHCP = "1"	N/A	Set the unit to use DHCP or static IP address
net.ip	IP Address	IP address	net.dhcp.use = 0	Enter the IP address
net.mask	Netmask	Netmask address	net.dhcp.use = 0	Enter the netmask
net.gateway	Gateway	IP address	net.dhcp.use = 0	Enter the gateway address
net.dns1	DNS Server 1	IP address	net.dhcp.use = 0	Enter DNS 1
net.dns2	DNS Server 2	IP address	net.dhcp.use = 0	Enter DNS 2
net.vlan.use	VLAN Mode	None = "none" Manual = "manual" (Default) Auto = "auto"	N/A	Enables or Disables VLAN Tagging
net.vlan.id	VLAN ID	Number	net.vlan.use = manual	VLAN ID
net.vlan.priority	VLAN Priority	Number	net.vlan.use = manual	VLAN Priority
net.dscp.sip	SIP (6-bit DSCP value)	Number from 0 to 63	N/A	Providesquality of service if the DSCP protocol is supported onyour network
net.dscp.rtp	RTP (6-bit DSCP value)	Number from 0 to 63	N/A	Providesquality of service if the DSCP protocol is supported onyour network
net.dscp.rtcp	RTCP (6-bit DSCP value)	Number from 0 to 63	N/A	Providesquality of service if the DSCP protocol is supported onyour network
net.dns.cache	DNS Caching Mode	(Default) Disabled = "" SIP = "sip" All = "all"	N/A	In "SIP" mode, only the results of DNS queries for SIP requests will be cached. In "All" mode, the results of all DNS queries will be cached

4.2 Admin

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
admin.pwd	Password	(Default) "Algo" String	N/A	Set the password to log into the endpoint
admin.devname	Device Name (Hostname)	String	N/A	Name to identify the device in the Algo Network Device Locator Tool
admin.welcome	Introduction Section on Status Page	(Default) On = "1" Off = "0"	N/A	Allows the introduction text to be hidden from the login screen
admin.start.status	Show Status Section on Status Page when Logged Out	(Default) On = "1" Off = "0"	N/A	Block access to the status page when logged out
admin.web.timeout	Web Interface Session Timeout	Disabled = "0" 5 minutes = "300" 10 minutes = "600" 15 minutes = "900" 30 minutes = "1800" (Default) 1 hour = "3600"	N/A	Set the maximum period of inactivity after which the web interface will log out automatically
admin.startuptone	Play Tone at Startup	(Default) Enabled = "1" Disabled = "0"	N/A	A tone can be played at startup to confirm that the device has booted
log.level	Log Level	Error (Lowest) = "error" Notice ("Event") = "notice" (Default) Info ("SIP") = "info" Debug (Highest) = "debug"	N/A	Set logging level. Use on the adviceof Algo technical support only
log.method	Log Method	(Default) Local = "local" Network = "network" Both = "both"	N/A	Allows the device to write to external Syslog server if the option for external (or both) is selected
log.server	Log Server	IP address	"log.method = network" or "log.method = both"	Address for Syslog server on the network
net.http	Web Interface Protocol	(Default) Both HTTP and HTTPS = "1" HTTPS Only = "2"	N/A	HTTPS is always enabled on the device. Use this setting to disable HTTP

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admin.security.strongpw	Force Strong Password	Enabled = "1" (Default) Disabled = "0"	N/A	When enabled, ensures that a secure password is provided for the device's web interface for additional protection
admin.security.encsip	Allow Secure SIP Passwords	Enabled = "1" (Default) Disabled = "0"	N/A	Allows SIP passwords to be stored in the configuration file in an encrypted format, to prevent viewing and recovery
net.srv.snmp	SNMP Support	Enabled = "1" (Default) Disabled = "0"	N/A	Device will respond to a simple status query for automated supervision
admin.sic.use	System Integrity Checking	Enabled = "1" (Default) Disabled = "0"	N/A	This feature verifies installed system packages to ensure they have not been tampered with
synapps.use	SA-Announce Support	(Default) Enabled = "1" Disabled = "0"	N/A	Syn-Apps'SA-Announce support
synapps.server	SA-Announce Server	IP address or domain name	synapps.use = 1	SA-Announce Server
synapps.port	Local Management Port	Port number	synapps.use = 1	Enter the local management port
ifmc.use	InformaCast Support	Enabled = "1" (Default) Disabled = "0"	SL7100 license	To enable Informacast Support a SL7100 license from Singlewire is required. Please contact Algo support for more details.

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4500 Beedie St Burnaby BC Canada V5J 5L2
www.algosolutions.com
(604) 454-3792
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4.3 Users

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
system.u1.use	User Login	Enabled = "1" (Default) Disabled = "0"	N/A	Enable a separate login account with limited access that allows the user to only modify the device scheduler
system.u1.user	Username	(Default) Scheduler String	system.u1.use = 1	Set the username
system.u1.pwd	Password	Null (default) String	system.u1.use = 1	Set the password

4.4 Time

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
admin.timezone	Timezone	(Default) UTC Accepted values are spelled exactly like the options viewable in the dropdown box via the web interface. For more details please contact Algo Support.	N/A	Select the timezone
net.time1	NTP Time Server 1	IP address or domain name	N/A	Set the primary NTP server
net.time2	NTP Time Server 2	IP address or domain name	N/A	Set a backup NTP server
net.time3	NTP Time Server 3	IP address or domain name	N/A	Set a backup NTP server
net.time4	NTP Time Server 4	IP address or domain name	N/A	Set a backup NTP server
net.dhcp.c.ntp	NTP Time Server Source	(Default) Use DHCP Option 42 = "0" Ignore DHCP Option 42 = "1"	N/A	When “Use DHCP Option 42” is chosen, if an NTP Server address is provided via the DHCP Option 42, that NTP Server will be used

4.5 Provisioning

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
prov.use	Provisioning Mode	(Default) Enabled = "1" Disabled = "0"	N/A	Enable or disable provisioning
prov.server.method	Server Method	(Default) Auto (DHCP Option 66/160/150) = "auto" DHCP Option 66 only = "option66only" DHCP Option 160 only = "option160only" DHCP Option 150 only = "option150only" Static = "static"	prov.use = 1	Select the preferred server method
prov.server.static	Static Server	IP address	prov.use = 1 prov.server.method = static	Enter the static server address
prov.download.method	Download Method	(Default) TFTP = "tftp" HTTP = "http" FTP = "ftp" HTTPS = "https"	prov.use = 1	Select the preferred download method
prov.download.cert	Validate Server Certificate	Enabled = "1" (Default) Disabled = "0"	prov.use = 1 prov.download.method = https	Enable or disable certificate validation for (HTTPS only)
prov.auth.user	Auth User Name	Username	prov.use = 1 prov.download.method = ftp" or "http" or "https"	Username for HTTPS provisioning
prov.auth.pwd	Auth Password	Password	prov.use = 1 prov.download.method = ftp" or "http" or "https"	Password for HTTPS provisioning
prov.download.cfgpath	Config Download Path	Folder path	prov.use = 1	Set the path for the configuration file
prov.download.fwpath	Firmware Download Path	Folder path	prov.use = 1	Set the path for the firmware files
prov.i	Partial Provisioning	Enabled = "1" (Default) Disabled = "0"	prov.use = 1	Enable or disable partial provisioning

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4.6 Advanced Audio

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
audio.drc.use	Dynamic Range Compression (DRC)	Enabled = "1" (Default) Disabled = "0"	N/A	Compresses the dynamic range of page audio to increase loudness
audio.drc.gain	Dynamic Range Compression Gain	0 = "0" 1 = "1" 2 = "2" 3 = "3" 4 = "4" 5 = "5" (Default) 6 = "6" 7 = "7" 8 = "8" 9 = "9"	audio.drc.use = 1	Higher compression gain increases distortion
audio.jc.range	Jitter Buffer Range	(Default) 100 milliseconds 10 - 500 milliseconds	N/A	Removes the jitter in arriving network packets by temporarily storing them. This process corrects the inconsistent delays on the network
audio.dtmf.use	Generate In-Band DTMF Tones	Enabled = "1" (Default) Disabled = "0"	N/A	Plays DTMF tones to the analog output during a SIP call to allow interoperability with DTMF-controlled multi-zone amplifiers
audio.rtp.media	Always Send RTP Media	(Default) Enabled = "1" Disabled = "0"	N/A	Audio packets will be sent at all times, even during one-way paging mode. This is needed in cases when the server expects to see audio packets at all times
audio.filter.spk	Speaker Filter	150Hz High-Pass = "hp150" 300Hz High-Pass = "hp300" 500Hz High-Pass = "hp500" (Default) None ="none"	N/A	Applies a high-pass filter to the speaker output. Used to reduce audio artifacts like humming or buzzing by filtering out unwanted frequencies
audio.filter.spknse	Speaker Noise Filter	Enabled = "1" (Default) Disabled = "0"	N/A	Enables heavy filtering below 145Hz to reduce mains induced noise (fans)

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4500 Beedie St Burnaby BC Canada V5J 5L2
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support@algosolutions.com

audio.filter.mic	Microphone Filter	150Hz High-Pass = "hp150" 300Hz High-Pass = "hp300" 500Hz High-Pass = "hp500" (Default) None ="none"	N/A	Applies a high-pass filter to the microphone input. Used to reduce audio artifacts like humming or buzzing by filtering out unwanted frequencies
audio.filter.micnse	Microphone Noise Filter	Enabled = "1" (Default) Disabled = "0"	N/A	Enables heavy filtering below 145Hz to reduce mains induced noise (fans)

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4.7 Advanced SIP

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
sip.transp	SIP Transportation	(Default) Auto = "auto" TCP = "tcp" UDP = "udp" TLS = "tls"	N/A	Select the transport layer protocol to use for SIP messages
sip.sips	SIPS Scheme	Enabled = "1" (Default) Disabled = "0"	sip.transp = tls	Enabling SIPS Scheme requires the SIP connection from endpoint to endpoint to be secure
sip.srtp	SDP SRTP Offer	(Default) Disabled = "" Standard = "savp" Optional (Non-standard AVP profile) = "avp"	N/A	Set SDP SRTP Offer
sip.outbound	SIP Outbound Support (RFC 5626)	Enabled = "1" (Default) Disabled = "0"	N/A	Enable this option to support best networking practices according to RFC 5626
sip.obproxy	Outbound Proxy	IP address or domain name:port number e.g. my_proxy.com:5070	N/A	IP address for outbound proxy
sip.regexp	Register Period	(Default) 3600 Number in seconds	N/A	Maximum requested period of time where the endpoint will re-register with the SIP server
sip.nat.media	Media NAT	(Default) None = "" ICE = "ice" STUN = "stun"	N/A	Select NAT media type
sip.turn.server	TURN Server	IP address	sip.nat.media = ice	IP address for TURN server
sip.turn.user	TURN User	Username	sip.nat.media = ice	User for TURN server
sip.turn.pwd	TURN Password	Password	sip.nat.media = ice	Password for TURN server
sip.stun.server	STUN Server	IP address	sip.nat.media = stun	IP address for STUN server
sip.ssr.use	Server Redundancy	Enabled = "1" (Default) Disabled = "0"	N/A	Two secondary SIP servers may be configured
sip.bkproxy1	Backup Server #1	IP address or domain name	sip.ssr.use = 1	Backup SIP server address #1
sip.bkproxy2	Backup Server #2	IP address or domain name	sip.ssr.use = 1	Backup SIP server address #2
sip.ssr.interval	Polling Interval	(Default) 120 seconds = "120" 300 seconds = "300" 180 seconds = "180" 600 seconds = "600"	sip.ssr.use = 1	Time period between sending monitoring packets to each server

sip.ssr.chkact	Poll Active Server	Enabled = "1" (Default) Disabled = "0"	sip.ssr.use = 1	Explicitly poll current server to monitor availability
sip.ssr.nofb	Automatic Failback	(Default) Enabled = "0" Disabled = "1"	sip.ssr.use = 1	Reconnect with higher priority server once available, even if backup connection is still fine
sip.ssr.method	Polling Method	(Default) SIP NOTIFY = "0" SIP OPTIONS = "1"	sip.ssr.use = 1	SIP message used to poll servers to monitor availability
sip.interop.ka.method	Keep-Alive Method	(Default) None = "" Double CRLF = "crlf"	N/A	Device will periodically send a CRLF message for both UDP and TCP connections to maintain connection with the SIP Server
sip.interop.ka.interval	Keep-Alive Interval	Seconds	N/A	Interval in seconds that the CRLF message should be sent
sip.interop.cport	Use Outgoing TLS port in SIP headers	Enabled = "1" (Default) Disabled = "0"	N/A	Use ephemeral port number from outgoing SIP TLS connection instead of listening port number in SIP Contact and Via headers
sip.interop.rstauth	Do Not Reuse Authorization Headers	Enabled = "1" (Default) Disabled = "0"	N/A	When enabled, all SIP authorization information from the last successful request will not be reused in the next request

Algo Communication Products Ltd
4500 Beedie St Burnaby BC Canada V5J 5L2
www.algosolutions.com
(604) 454-3792
support@algosolutions.com

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4.8 Advanced Multicast

Parameter	Name on Web Portal	Permitted Values	Requirement/prereq	Description
Master Mode Settings				
mcast.master.codec	Master Output Codec	(Default) G.711 = "1" G.722 = "2"	mcast.mode = 1	Audio encoding format used by the Master device when sending output to the slaves
mcast.master.ptime	Master Output Packetization Time (milliseconds)	(Default) 20 = "20" 30 = "30" 40 = "40"	mcast.mode = 1	The size of the audio packets sent by the Master to the Slaves
mcast.rtcp.mode	RTCP Port Selection	(Default) Disabled = "" Next Higher Port = "nport" Multiplexed on Same Port = "mux"	mcast.mode = 1	Select the port on which RTCP packets will be sent or received
Priority Call (DTMF:9)				
mcast.zone8	IP Address and Port	IP address:port number	mcast.mode = 1	Multicast address for this zone
mcast.tone8	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 1	Other may be used if uploaded
All Call (DTMF:0/8)				
mcast.zone8	IP Address and Port	IP address:port number	mcast.mode = 1	Multicast address for this zone
mcast.tone8	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 1	Other may be used if uploaded
Zone 1 (DTMF:1)				
mcast.zone1	IP Address and Port	IP address:port number	mcast.mode = 1	Multicast address for this zone
mcast.tone1	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 1	Other may be used if uploaded
Zone 2 - Zone 6 increment the number on the parameter name				
Music (DTMF:7)				

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www.algosolutions.com
(604) 454-3792
support@algosolutions.com

mcast.zone7	IP Address and Port	IP address:port number	mcast.mode = 1	Multicast address for this zone
mcast.tone7	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 1	Other may be used if uploaded
Zone 10 - Zone 50 increment the number on the parameter name				
Zone 50 (DTMF: *50)				
mcast.zone50	IP Address and Port	IP address:port number	mcast.mode = 1	Multicast address for this zone
mcast.tone50	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 1	Other may be used if uploaded
Slave Mode Settings				
audio.jc.delay	Audio Sync	Number 0-1000 milliseconds	mcast.mode = 2	When using multicast with other third-party devices that have a delay in their audio path, the audio on the endpoint may be heard slightly earlier than on these other devices
mcast.rtcp.mode	RTCP Port Selection	(Default) Disabled = "" Next Higher Port = "nport" Multiplexed on Same Port = "mux"	mcast.mode = 2	Select the port on which RTCP packets will be sent or received
Priority Call (DTMF:9)				
mcast.zone9	IP Address and Port	IP address:port number	mcast.mode = 2	Multicast address for this zone
mcast.slavetone9	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 2	Other may be used if uploaded
mcast.vol9	Page Volume	Use default page tone = "Default" 10 = "0dB" 9 = "-3dB" 8 = "-6dB" 7 = "-9dB" 6 = "-12dB" 5 = "-15dB" 4 = "-18dB" 3 = "-21dB" 2 = "-24dB" 1 = "-27dB" 0 = "-30dB" -1 = "-33dB" -2 = "-36dB" -3 = "-39dB" -4 = "-42dB" -5 = "-45dB"	mcast.mode = 2	Allows specific volume configuration for each zone

All Call (DTMF:0/8)				
mcast.zone8	IP Address and Port	IP address:port number	mcast.mode = 2	Multicast address for this zone
mcast.slavetone8	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 2	Other may be used if uploaded
mcast.vol8	Page Volume	Reference mcast.vol9 for permitted values	mcast.mode = 2	Allows specific volume configuration for each zone
Zone 1 (DTMF:1)				
mcast.zone1	IP Address and Port	IP address:port number	mcast.mode = 2	Multicast address for this zone
mcast.slavetone1	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 2	Other may be used if uploaded
mcast.vol1	Page Volume	Reference mcast.vol9 for permitted values	mcast.mode = 2	Allows specific volume configuration for each zone
Zone 2 - Zone 6 increment the number on the parameter name				
Music (DTMF:7)				
mcast.zone7	IP Address and Port	IP address:port number	mcast.mode = 2	Multicast address for this zone
mcast.slavetone7	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 2	Other may be used if uploaded
mcast.vol7	Page Volume	Reference mcast.vol9 for permitted values	mcast.mode = 2	Allows specific volume configuration for each zone
Zone 10 - Zone 50 increment the number on the parameter name				
Zone 50 (DTMF: *50)				
mcast.zone50	IP Address and Port	IP address:port number	mcast.mode = 2	Multicast address for this zone
mcast.slavetone50	Page Tone	Reference phone.page.tone permitted values	mcast.mode = 2	Other may be used if uploaded
mcast.vol50	Page Volume	Reference mcast.vol9 for permitted values	mcast.mode = 2	Allows specific volume configuration for each zone

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