

Algo Device Management Platform (ADMP)

User Guide

UG-ADMP-17102024 support@algosolutions.com October 17, 2024 Algo Communication Products Ltd. 4500 Beedie Street, Burnaby V5J 5L2, BC, Canada 1-604-454-3790 www.algosolutions.com



Table of Contents

1	Pr	oduct Overview	4
2	Se	curity	4
3	Se	tup	5
	3.1	Account Tiers	5
	3.2	Users	5
	3.3	Licenses	6
	3.4	Multi-Tenant (Beta)	6
	3.5	Single Sign-On (Beta)	7
	3.5	5.1 SSO Set Up	8
	3.5	5.2 Using SSO	. 11
	3.6	Getting Started	. 11
	3.7	Connect an Algo IP Device to ADMP	. 12
4	Da	ishboard	. 13
	4.1	Overview	. 14
	4.2	Upgradeable Devices	. 15
	4.3	Product List	. 16
	4.4	Connected vs. Disconnected	. 16
	4.5	Notifications	. 17
5	De	evices	. 17
	5.1	Add Tags	. 18
	5.2	Actions	. 19
	5.3	Accessory Fault Detection	. 22
	5.4	Remote Device UI (Beta)	. 23
6	Co	nfigure	. 26
	6.1	Tags	. 26
	6.:	1.1 Create New Tag	. 27
	6.:	1.2 Edit an Existing Tag	. 27
	6.2	Config Files and File Content	. 27
7	ZT	Ρ	. 29
	7.1	Device Mapping	. 30
	7.2	Configuration Files	. 32
8	Sy	stem Log (Beta)	. 34
9	Ex	port	. 36
	9.1	Backup Device Configuration	. 36
	9.2	Export Device Data (Beta)	. 38
10) Se	ttings	. 39



10.1	Notification Settings	. 39
10.2	Feature Settings	. 39
10.3	Account Settings	. 40

Disclaimer

The information in this document is believed to be accurate in all respects but is not warranted by Algo. The information is subject to change without notice and should not be construed in any way as a commitment by Algo or any of its affiliates or subsidiaries. Algo and its affiliates and subsidiaries assume no responsibility for any errors or omissions in this document. Revisions of this document or new editions of it may be issued to incorporate such changes. Algo assumes no liability for damages or claims from using this manual, products, software, firmware, or hardware.

No part of this document can be reproduced or transmitted in any form or by any means – electronic or mechanical – for any purpose without written permission from Algo.

For additional information or technical assistance in North America, please contact Algo's support team:

Algo Technical Support 1-604-454-3790 support@algosolutions.com

UG- ADMP-17102024



1 PRODUCT OVERVIEW

The Algo Device Management Platform (ADMP) is a cloud-based device management solution to manage, monitor, and configure Algo IP endpoints from any location. ADMP is used by service providers and end users to effectively manage Algo IP endpoints in large environments and across multiple locations and networks.

Devices must have firmware version 5.2 or higher installed to be managed with ADMP. To access all the latest ADMP features, devices must be on the most recent firmware version available.

2 SECURITY

Algo takes precautions to mitigate the risk of cyberattacks and built ADMP with the safety of your data and systems in mind. ADMP and Algo devices use mutual authentication over TLS to ensure that data transferred between ADMP and the device is fully encrypted. This means only Algo devices can be used with ADMP.

ADMP does not store any unencrypted passwords.

ADMP uses the following ports and protocols:

Address	Туре	Purpose	Protocol	Security	Port
iot.cloud.algosolutions.com	ТСР	Monitoring and management	HTTPS, MQTT, TLS	TLS 1.2	443
files.cloud.algosolutions.com	ТСР	File transfer	HTTPS, TLS	TLS 1.2	443
dinfo.cloud.algosolutions.com	ТСР	Advanced device status and relay supervision	HTTPS, TLS	TLS 1.2	443
d1ma5gprn1j2rk.cloudfront.net/	ТСР	Pushing configurations	HTTPS, TLS	TLS 1.2	443



3 SETUP

To use ADMP, you must set up your account, users, and licenses.

3.1 Account Tiers

There are three types of ADMP accounts:

Trial	A Trial account is a free 3-month account with access to 25 device licenses. To sign up for a trial account, fill out the form at https://www.algosolutions.com/admp-demo-license/ .
Pro	A Pro account uses device licenses that have been purchased or renewed. Set up for a Pro account is done by an Algo Support team member after you've purchased device licenses. Device licenses may be purchased at https://www.algosolutions.com/product/admp/ .
Perpetual	A Perpetual account is available for Algo Authorized Integrators. To learn more about the Algo Authorized Integrator Program, visit <u>https://www.algosolutions.com/integrator/</u> .

After you have signed up for a demo, purchased ADMP device licenses, or have become an Algo Authorized Integrator, an Algo Support Team member will reach out to set up account users.

3.2 Users

Two kinds of users can access an ADMP account:

Ad	min		Viewer					
•	An adm perform	in can access the following pages and actions where applicable.	• A viewer will only be able to view the following pages. Actions cannot be performed.					
	0	Dashboard	0)	Dashboard			
	0	Devices	0)	Devices			
	0	Configure	0)	Configure			
	0	ZTP	0)	Export			
	0	Export						
	0	Settings						

The Algo Support team will be able to assist with adding new users, removing users, and updating user types upon request. There is no limit to the number of users you can have on an account. To add or remove users, the account owner should contact support@algosolutions.com for assistance.



3.3 Licenses

ADMP licenses are per device, not per person or account. Device licenses are purchased and renewed annually in bundles of 25. An account can have up to 10,000 licenses.

You may purchase additional device licenses through an Algo reseller, distributor, or on the Algo website here: https://www.algosolutions.com/product/admp/.

3.4 Multi-Tenant (Beta)

To enable multi-tenancy and all beta features, please reach out to the Algo support team at support@algosolutions.com.

Multi-tenancy allows ADMP account holders to manage multiple deployments, or tenant accounts, from one main ADMP account. When multi-tenancy is in use, an ADMP account holder will log into ADMP and select the tenant account to view. From here, a user can monitor and manage devices connected to a tenant account.

You can view all ADMP tenant accounts from the Account Manager page when you log on (1). Click the enter icon (2) on a tenant account to access them.

ALGO · Account Manager				SIGN OUT
1 ADMP Accounts				
BASIC			2	€
Total User VIEW ALL	Active Licenses	s Total Licenses	License Expiry	
PERPETUAL			2 5	•
Total User VIEW ALL	Active Licenses	s Total Licenses	License Expiry	
	©2021-2024 Alao Comr	nunication Products Ltd.		



Within each tenant account, users have the ability to:

User Type	Actions
Administrator	 Add users and configure user permissions (manage, view only, ZTP) Change the display name Search for users and account title to see who has access to multiple tenant accounts
Additional Users	Notification preferences

To go back to the Account Manager from a tenant account, click **Back to Account List** in the top navigation of the screen.

	ALGO	=	A	.ccount Ma	nager						[- BACK TO ACCOUNT LIST	¢	9
88	Dashboard		D	evices)									
	Devices												
*	Configure			ALL	CONNECTED	DISCONNECTED							
				Total Dev	ices: 8				ADD TAG 🗠	ACTIONS ~	Q	All	-
	ZTP	^			Device ID	Local IP	Name	Product \downarrow	Firmware	Tags	Status		
	Devices							8420	5.5_alpha20		(connec	TED	:
	Config					٥		8196	5.5_alpha14		(connec	TED	:
	Funert							8196	5.2			TED	:

There is no limit to the number of tenant accounts an ADMP account can have. To set up a new tenant, please reach out to the Algo Support Team at support@algosolutions.com

3.5 Single Sign-On (Beta)

To enable SSO and all beta features, please reach out to the Algo support team at support@algosolutions.com.

Single sign-on (SSO) for ADMP is available through a Microsoft account. SSO makes accessing ADMP seamless for designated users while improving account security. ADMP uses Azure Active Directory (Azure AD), Microsoft's enterprise cloud-based identity and access management (IAM) solution, to provide SSO.

A current limitation of SSO in ADMP is that one Azure AD can only be associated with one ADMP account, but not each tenant account. For example, a service provider who uses multiple tenant accounts for each of their customers can only have one Azure AD for their main account. Each customer, or tenant, cannot also use the same Azure AD separately.

However, a main account and tenant account may use separate Azure ADs allowing SSO to be used for both a main account login or a single tenant login.

3.5.1 SSO Set Up

To set up SSO:

- 1. Sign in to the Microsoft Entra admin center as at least a Cloud Application Administrator.
- 2. On the right navigation, go to **Applications** \rightarrow **Enterprise applications**.
- 3. Click **All applications** then **+ New Application** above the Application table.

			Home > Enterprise applications							
-	nome		Enterprise applicati	ons Al	applica	ations				×
1	What's new		Algo Communication Products Ltd			4				
*	Diagnose & solve problems		« Overview	+ New	application	🕐 Refresh 🚽 Down	load (Export)	review info 📔 🗮 Cole	umns	
*	Favorites View, filter, and search applications in your organization that are set up to use your Microsoft Entra tenant as their Identity Provider.									dentity
•	Identity	^	Manage	The list of a	applications th	at are maintained by yo	ur organization are in ap	plication registrations.		
0	Overview		III All applications	₽ Search	by application	n name or object ID				
8	Users	\sim	Private Network connectors	Applica 84 applicat	tion type == I ions found	Enterprise Applications	Application ID	starts with \times $+_{ m Y}$	Add filters	
⁴ 2 ^A	Groups	\sim	User settings	Name	¢↓	Object ID	Application ID	Homepage URL	Created on	↑↓ Ci
ح	Devices	\sim	 App launchers Custom authentication extensions 	JC Jir	a Cloud	013d165c-af83-4966	11cd7f33-594f-4d45	https://www.msteam	4/7/2021	
⊞,	Applications	~		Ja Lu	cid	023a5409-16e1-405	328c7390-2221-407	https://lucid.co	2/15/2023	
	2		Security	R Ri	ppling	0522bba6-a20d-4ef	ce78f62d-fbbd-432d		6/11/2024	
	Enterprise applications	*	🍨 Conditional Access	Sa	lesforce	0b5ef240-5217-4fa5	27657853-f927-453b	https://www.salesfor	11/8/2021	
	App registrations		$\ensuremath{\mathfrak{O}}$ Consent and permissions	×w	hiteboard.c	0f94b20d-abe3-475	9b64143c-b537-4c2	https://whiteboard.c	7/19/2022	
0	Roles & admins	\sim	Activity	н н	umi	12d27f8e-be20-43d	4d701d52-8e23-418		7/31/2023	
A	Protection	\sim	Sign-in logs	🧑 на	untress Sec	15b47764-909a-46ff	f3203802-805a-42ec	https://huntress.com	2/15/2024	
			No. Hongo & insights		1 10	100100-010-170	17 11 2 4 201 41 1	1	4 14 2 12 02 4	

- 4. Click **+ Create your own application** near the top of the Entra App Gallery. Add an application name, for example: *admp-sso-idp*
- 5. Select Integrate any other application you don't find in the gallery (Non-gallery).



6. Click **2. Set up single sign on** then select **SAML** as the single sign on method.



7. Click Edit under Basic SAML Configuration.

			Home > Enterprise applications All	applic	ations	> Browse Microsoft Entra Gallery > ADM	P-sso-idp					
-	Home		ADMP-sso-idp SAM	L-ba	ased	Sign-on		×				
-	What's new		Enterprise Application									
×	Diagnose & solve problems		Cverview	«	Ť Up	load metadata file 🏷 Change single sign-	-on mode 📧 Test this application	중 Got feedback?				
*	Favorites	~	Deployment Plan		Set up Single Sign-On with SAML An SSO implementation based on federation protocols improves security, reliability, and end user experiences and is easie implement. Icoose SAML single sign-on whenever possible for existing applications that do not use OpenID Connect or OAuth. Learn more.							
٥	Identity	^	Manage	1								
0	Overview		Properties		Read th	e configuration guide of for help integrating	ADMP-sso-idp.					
8	Users	\sim	24 Owners		٥ſ							
20	Groups	\sim	 Roles and administrators Users and groups Single sign-on 	Ĭ		Identifier (Entity ID)	Required	🖉 Edit				
6	Devices	\sim				Reply URL (Assertion Consumer Service U RL)	Required	1				
₿,	Applications	^	Provisioning			Sign on URL Relay State (Optional)	Optional Optional					
	Enterprise applications		Application proxy			Logout Url (Optional)	Optional					
	App registrations		G Self-service		0	Attributes & Claims						
8	Roles & admins	\sim	Custom security attributes			A Fill out required fields in Step 1						
٨	Protection	\sim	Conditional Access			givenname surname	user.givenname user.surname					
۲	Identity Governance	\sim	🖧 Permissions			emailaddress name	user.mail user.userprincipalname					
ព្រែ	External Identities	\sim	Token encryption			Unique User Identifier	user.userprincipalname					
	Show more		Activity									
-			Sign-in logs			SAML Certificates						



- 8. Add the following values and click Save.
 - a. Identifier (Entity ID): urn:amazon:cognito:sp:us-east-1_29zRSC27F
 - b. Reply URL: https://admp.auth.us-east-1.amazoncognito.com/saml2/idpresponse
 - c. Sign on URL: https://dashboard.cloud.algosolutions.com

A Home		Home > Enterprise applica	Basic SAML Configuration	×
n Home		ADMP-sso-idp	5	
🌱 What's new		Enterprise Application	Save R Got feedback?	
X Diagnose & solve problems	IS	Uverview	Identifier (Entity ID) * 🕔	
★ Favorites	~	Deployment Plan	The unique ID that identifies your application to Microsoft Entra ID. This value must be unique across all applications in your Microsoft Entra tenant. The default identifier will be the audience of the SAML response for IDP-initiated SSO.	
Identity	^	X Diagnose and solve prot Manage	Default	1
Overview		III Properties	Enter an identifier 🛛 🗸 💿 🖩 Add identifier	
A Users	\sim	2 Owners		
්¤් Groups	\sim	Roles and administrators Users and groups	Reply URL (Assertion Consumer Service URL) * ③ The reply URL is where the application expects to receive the authentication token. This is also referred to as the "Assertion	
료 Devices	\sim	 Single sign-on 	Consumer Service" (ACS) in SAML	
B Applications	^	Provisioning	Add reply UKL	1
Enterprise applications App registrations	~	Application proxy Self-service Custom security attribute Security	Sign on URL (Optional) Sign on URL is used if you would like to perform service provider-initiated single sign-on. This value is the sign-in page URL for your application. This field is unnecessary if you want to perform identity provider-initiated single sign-on. Enter a sign on URL	
Protection	\sim	Conditional Access	Dalay State (Ontional)	
Identity Governance	\sim	Permissions	The Relay State (Optionial) \bigcirc	
ষ্টি External Identities	\sim	Token encryption	URL or URL path that takes users to a specific location within the application.	
··· Show more		Activity	Enter a relay state	
2. Protection	~	Sign-in logs Sign-in logs Loge & insights Audit logs	Logout Url (Optional) This URL is used to send the SAML logout response back to the application.	
Identity Governance	\sim	Provisioning logs	Enter a logout url	
🖳 Verified ID	~	≸≣ Access reviews		

- 9. Under Users and groups add a whitelist of users who will have access to ADMP by clicking + Add user/group.
- On the Single sign-on page in box 3 SAML Certificates, copy the App Federation Metadata URL. For example: <u>https://login.microsoftonline.com/0c75c18e-6cc6-4357-8d98-</u> <u>be14822aea18/federationmetadata/2007-06/federationmetadata.xml?appid=be71c679-287f-4903-82a5-</u> <u>be3621bbed6f</u>
- 11. Provide the Algo Support team with the **App Federation Metadata URL** from the previous step to finalize set up.



3.5.2 Using SSO

When SSO is set up, access ADMP via <u>https://dashboard.cloud.algosolutions.com/sso</u>. The login page will look slightly different than the regular ADMP login page.



To log in, enter the domain of your email. For example, instead of <u>support@algosolutions.com</u>, you would enter **algosolutions.com**.

If you are not already logged into your Microsoft account, you will be redirected to a Microsoft login. Once you enter your credentials, you'll be redirected back to ADMP to access your account.

3.6 Getting Started

Once an ADMP account has been set up, a username and password will be emailed to the registered user. The email will be sent from <u>no-reply@verificationemail.com</u>.

Once you receive your account details, use this information to log into your ADMP account here: https://dashboard.cloud.algosolutions.com/





If you require any ADMP assistance, you will need to provide the Algo Support Team with your ADMP account ID. You can quickly access your account ID after logging in by clicking the user icon on the top right-hand side of the platform. Your account ID will be the first item listed. Use the copy icon to copy your account ID to your clipboard.

	ALGO	=							¢ ²	9
88	Dashboard		C	Dashboard				Account Info		
.:	Devices					Account ID:		6		
*	Configure			Overview	Connect	User Type: Admin				
Ê	ZTP	^		Connected Devices	Disconnected Devices	Available Licenses		Email:		•
	Devices			8 /22	14 /22	178 /200		Tier: PRO		
	Config							Active Licenses: 22 / 200		
Ĝ	System Log			License Expiry: 2026-10-23						
Ŧ	Export		SETTINGS	SIGN O	UT					

3.7 Connect an Algo IP Device to ADMP

To monitor your devices in ADMP you must first connect them to your account. You can do this manually using the web interface for each endpoint or via zero-touch provisioning.

To connect an Algo IP endpoint manually, open the web interface of your Algo device by typing the device IP address in your web browser. Log in using the default password (algo) or the password set by your team. After logging in:

- 1. Open the Advanced Settings tab.
- 2. Open the Admin sub-tab.
- 3. Under ADMP Cloud Monitoring at the bottom of the page, enable ADMP Cloud Monitoring.
- 4. Enter your Account ID

ALGO	
Status Basic Settings Additional Features	Advanced Settings System Logout
Nety 2 Admin Time Provisioning Adv	anced Audio Advanced SIP Advanced Multicast
dmin Settings	
A 'min Pase vore'	
A Imin Pase von	
A 'mir Pase vor'	
A 1min Pase wore	
A 1min Pase wore ADMP Cloud Monitoring Enable ADMP Cloud Monitoring	3 ©Enabled ODisabled
A Imin Pase vore ADMP Cloud Monitoring Enable ADMP Cloud Monitoring	Second Contract Support Salars and Sala
A 1min Pase wore ADMP Cloud Monitoring Enable ADMP Cloud Monitoring Account ID	Benabled Obisabled Generation of a subject of a
A 1min Pase wore ADMP Cloud Monitoring Enable ADMP Cloud Monitoring Account ID Allow Configuration File Sync	Benabled Obisabled Obisabled Obisabled Obisabled Disabled Enabled Obisabled Enabled Obisabled
A Imin Pase wore ADMP Cloud Monitoring Enable ADMP Cloud Monitoring Account ID Allow Configuration File Sync	 3 Penabled Obisabled (a) This feature requires a valid Account ID. Please contact support@algosolutions.com for assistance. (continuous continuous continuous contact) Penabled Obisabled (continuous continuous c



Configure the additional settings as preferred. Once complete, click **Save** at the bottom of the page.

After a few minutes, your Algo device will be connected to ADMP. On the **Status** tab of the device web interface, you should see **ADMP Cloud Monitoring** set to **Connected.** Your device will also now be listed on the **Devices** page of ADMP.

4 DASHBOARD

You will first see the Dashboard page when you log into your ADMP account. You will find summarized details about your connected Algo IP endpoints.

ALGO	=	7					4 ² e
문 Dashboard		Dashboard					
E Devices							
🛠 Configure		Overview				Connected vs. Disconnected	
🖹 ZTP 🕔	*	Connected Devices	Disconnected Devices		Available Licenses		
Co System Log		9/22	13 /22		178 /200	9 Total	
Export				-		13 22	
		Upgradable Devices	Latest Firmware: 5.4				
		Device ID	Device Name	Product ID	Current Firmware	Connected Disconnected	
		0022ee	Paging Adapter & Scheduler	8301	5.3.4	Notifications	
		0022ee	Strobe Light	8128	5.3	May 13, 2024	
		0022ee	Ceiling Speaker	8188	5.2	System Maintenance 2:35	PM
		0022ee	Color Visual Alerter	8138	5.3.4	ADMP will be going down for maintenance on	
		0022ee	Strobe Light	8128	5.3.4	May. 14th @ 3:00pm PT	
						March 27, 2024	_
					UPGRADE ALL >	ADMP will be going down for maintenance on Mar. 28th @ 2:00pm PT View link here [2]	PM
		Product List				System Maintenance 9:03 System Waintenance 9:03 Feb. 12th @ 3:00pm PT	AM
		Product ID	Product Name		Quantity	February 8, 2024	
		8301	Paging Adapter & Scheduler		2	System Maintenance 11:03	BAM
		8198	PoE+ Ceiling Speaker		1	ADMP will be going down for maintenance on Eeb. 09th @ 7:15am PT	
		8128	Strobe Light		2	Too. outre mount 1	
		8201	PoE Intercom		1	December 19, 2023	
		8028	Doorphone		1	ADMP will be going down for maintenance 1:42	PM
		8180	Audio Alerter		6	Dec. 19th @ 2:00am PT	
		8138	Color Visual Alerter		3	December 5, 2023	
		8188	Ceiling Speaker		5	New Features 4:57	PM
		8186	Horn Speaker		1	View link here [2]	
វថ្លិវ Settings							



4.1 Overview

The Overview displays a quick summary of the count of your devices and licenses.

erview		
Connected Devices	Disconnected Devices	Available Licenses
9 /22	13 /22	178 /200

Connected Devices	The number of connected devices compared to the total number of detected devices, including those connected and disconnected.
Disconnected Devices	The number of disconnected devices compared to the total number of detected devices, including those connected and disconnected.
Available Licenses	The remaining device licenses you have available to manage additional Algo IP endpoints from ADMP.



4.2 Upgradeable Devices

Devices in this list have new firmware available. New firmware can be installed directly from ADMP.

Upgradable Devices	Latest Firmware: 5.4		
Device ID	Device Name	Product ID	Current Firmware
0022ee	Paging Adapter & Scheduler	8301	5.3.4
0022ee	Strobe Light	8128	5.3
0022ee	Ceiling Speaker	8188	5.2
0022ee	Color Visual Alerter	8138	5.3.4
0022ee	Strobe Light	8128	5.3.4
			UPGRADE ALL >

Device ID	Each Algo device has a unique ID. This ID matches the MAC address of the device.
Device Name	The product name of your device.
Product ID	The SKU number of your device.
Current Firmware	The firmware version the device is currently using.

When you click **Upgrade All** at the bottom right of the section, a window will appear with your upgradeable devices. By default, all devices will be selected. To upgrade device firmware from here, perform the following steps:

- Ensure the devices you would like to upgrade are selected on the left side of the table.
- 2. Click Upgrade.





4.3 Product List

The Product List displays all products connected to ADMP in your deployment.

Product List		
Product ID	Product Name	Quantity
8301	Paging Adapter & Scheduler	2
8198	PoE+ Ceiling Speaker	1
8128	Strobe Light	2
8201	PoE Intercom	1
8028	Doorphone	1
8180	Audio Alerter	6
8138	Color Visual Alerter	3
8188	Ceiling Speaker	5
8186	Horn Speaker	1

Product ID	The SKU number of your device.
Product Name	The product name of your device.
Quantity	The number of deployed devices of the listed product.

4.4 Connected vs. Disconnected

A pie chart that represents the connected and disconnected devices.





4.5 Notifications

The Notifications section of the Dashboard will display notices such as system outages, upcoming changes, and new ADMP features. This section should be checked regularly as these notifications will not be sent to user emails.

Not	ifications	
May	13, 2024	
÷9	System Maintenance	2:35PM
—	ADMP will be going down for maintenance on	
	May. 14th @ 3:00pm PT	
Marc	h 27, 2024	
-0	UX Update	2:27PM
Ť,	ADMP will be going down for maintenance on	
	Mar. 28th @ 2:00pm PT	
	View link here	
Febru	uary 12, 2024	
÷2	System Maintenance	9:03AM
	ADMP will be going down for maintenance on	
	Feb. 12th @ 3:00pm PT	
Febru	Jary 8, 2024	
÷0	System Maintenance	11:03AM
÷.	ADMP will be going down for maintenance on	

5 DEVICES

The Devices page is used to manage and maintain all devices. Three lists can be viewed: All, Connected, and Disconnected.

Mithin thoco lists	you can use the te	n harto add tage	norform actions	coarch and filter
within these lists.	. Vou can use the to	D Dai to auu taes.	Demoninactions.	search, and mer.

Ļ	ALGO	-	/	5									¢ ° e
88	Dashboard		D	evices									
e.	Devices												
*	Configure			ALL	CONNECTED	DISCONNECTED							
Ē	ZTP	~		Total Dev	ices: 22				ADD TA	IG - ACTIONS -	۹.	All 👻	
æ	System Log				Device ID 个	Local IP	Name	Product	Firmware	Tags	Status		
	oystem Log				0022ee	<u>10.30</u> .	front-g	8028	5.4			E	
ŧ	Export				0022ee	10.30,	sipstrol	8128	5.3			:	
					0022ee	<u>10.30.</u>	sipstrol	8128	5.3.4			:	
					0022ee	<u>10.30.</u>	ceiling-	8188	5.4			:	
					0022ee	<u>10.30.</u>	ceiling-	8188	5.4			:	
					0022ee	<u>10.30.</u>	ceiling-	8188	5.2		(CONNECTED	:	
					0022ee	10.30.	sipceili	8188	5.4			:	
					0022ee	10.30.	sipceili	8188	5.4			:	
					0022ee	192.16	8301-h	8301	5.4		CONNECTED	:	
					0022ee	10.30.	anne-8	8301	5.3.4		(CONNECTED	:	
					0022ee	10.30.	siphorr	8186	5.4			:	
					0022ee	10.30.	warehc	8201	5.4			:	
					0022ee	10.30.	cre-alg	8138	5.3.4			:	
					0022ee	10.30.	color-v	8138	5.4			÷	
					0022ee	192.16	8138-h	8138	5.4		(connected	1	
					0022ee	10.0.0	table1-	8198	5.4.1			i	
					0022ee	10.30.	office-	8180	5.4.1		(CONNECTED	÷	
					0022ee	\$ <u>10.30.</u>	hallway	8180	5.5_alpha14		(CONNECTED	:	
					0022ee	<u>10.30.</u>	sipalert	8180	5.4			:	
			(Cor	npact					Rows per page:	25 👻 1-22 of 22 🛛 🕅	$\langle \rangle \rangle$	
ŝ	Settings							@2021-2024 Algo	Communication Products I	Ltd.			



Device ID	Each Algo device has a unique ID. This ID is the same as the device MAC address.
Local IP	The IP address of each device used to access the device web interface.
	may not be able to reach this IP address.
Name	The device name or hostname registered in the device web interface.
Product	The SKU number of your device.
Firmware	The firmware version the device is currently using.
Tags	Customizable tags used to easily group devices together based on location, use, or any other preference.
Status	Each device will show its status as Connected or Disconnected . When an action is in progress, the status will appear as Rebooting , Upgrading , Configuring , Setting Volume , Deleting , Downloading , or Trying .

5.1 Add Tags

Tags can be made and assigned to devices from the Devices page. Up to 8 tags can be added to a single device and up to 100 tags can be made and used across all devices.

ALGO = ¢2 9 E Dashboard Devices II Devices ALL CONNECTED DISCONNECTED 🛠 Configure ADD TAG ACTIONS Q All ~ Ŧ Devices Selected: 2/22 Ê ZTP Q Device ID 🛧 Local IP Name Product Status Devices Conf Room 1 ÷ \checkmark front-0022ee 8028 (in) coi IECTED 🗋 🛕 Conf Room 2 Config 0022e¢ 8128 ÷ sipstr Hallway 🔓 System Log Main Entrance 0022ee sipstri 8128 ÷ Office ,

Tags can also be created and managed on the **Configure** page.

To add a tag to a device:

- 1. Select the device(s) you would like to add a tag to.
- 2. Click on Add Tag to see the drop-down of tag options.



3. Select an existing tag from the list or type a new tag and click +Create tag to create and apply a new tag.



5.2 Actions

There are many ways to manage multiple devices using the **Actions** drop-down on the Devices page. To perform an action, select the device(s) you want to manage, and then choose an action from the **Actions** drop-down menu.

	ALGO	=		~						Ν	¢ ²	0			
88	Dashboard		De	evices											
1:1	Devices														
*	Configure			ALL		DISCONNECTED									
Ê	ZTP	^	~	~		Devices S	elected: 1/22				ADD TAG V	ACTIONS A Q	All	*	
				•	Device ID 个	Local IP	Name	Product	Firmware T	Creat Status					
	Devices				0022ee		fron	8028	5.4			:			
	Config	Config			0022ee		sips	8128	5.3			:			
Ĝ	System Log				0022ee		sips	8128	5.3.4	→ → Push Config ↓ Set Volume		:			
Ŧ	Export				0022ee		ceili	8188	5.4			÷			

Test	The following will take place when a test is performed:
	• Speakers, Displays, Intercoms: Play a tone
	• Paging Adapters: Will play a tone if connected to an audio device.
	Visual Alerters: The lights will flash
Reboot	Use to restart selected devices. This will not reset the devices settings.
Upgrade Latest	Upgrade selected devices to the latest firmware. When performed, a pop-up will appear confirming your selected devices. Click Upgrade to proceed with the firmware



	upgrade.
	0.248.189 office-speaker-3 8180 5.4.1 Algo Halw 0.248.19 Upgrade Latest
	Device ID Product ID Current Firmware Latest Firmware Product ID Current Firmware 0022ee063eed 8128 5.3 5.4 Image: State Sta
	0.248.19 0022ee0f0207 8138 5.3.4 5.4 [go Conf] 168.1134 0.249.12 0.254.224 sipcelling-077ce2 8188 5.4 Also Office
Push Config	Select a configuration file to push configurations onto selected devices. Configuration files can be uploaded using the Configure page. Image: Configuration file to device Image: Configuration file
Set Volume	This action is applicable to speakers and paging adapters. The Ring Volume can be set from –5 to 10. The Page Volume can be set from –5 to 10. Every volume setting is 3 dB below the maximum volume with the lowest volume being 45 dB less than maximum (ie. 10 is the maximum volume, 9 is 3 dB less than



	Set Volume Page Volume 10 CANCEL CONFIRM 9 8138 5.3.4 7 -1 8138 5.4 6 -1 8138 5.4 81 5 8138 5.4 9 8138 5.4 8138 5.4 9 8138 5.4 8138 5.4 9 8138 5.4 8138 5.4 19 3 8198 5.4.1 8198 5.4.1
Delete	Remove the device license from selected devices. This will disable ADMP from the
	device in the device web interface if the device is currently connected to ADMP
	For a connected device, you will see this:
	Disable monitoring and delete device(s) from ADMP?
	a 1 device(s) are connected to the ADMP, are you sure you want to disable
	p monitoring and delete these devices?
	Device ID Name Product ID
	0022ee ceiling-speaker-1a 8188
	Deleting will cause a reboot on devices with FW < 5.5.
	CANCEL
	For disconnected device, you will see this:
	Delete 1 Device(s) from ADMP?
	1 device(s) are connected to the ADMP, are you sure you want to disable monitoring and delete these devices?
	Device ID Name Product ID
	0022ee ceiling-speaker-1b 8188
	Before deletion, disable 'ADMP Cloud Monitoring' on the device's web interface to prevent automatic reconnection.
	CANCEL DELETE



Additional actions are available to be performed on individual devices. To access and use these actions, click the kebab icon on the right edge of the device's row.

ALL	CONNECTED	DISCONNECTED						
Total Dev	ices: 22				ADD T	TAG ~ ACTIONS ~	Q	All 👻
	Device ID $~\uparrow~$	Local IP	Name	Product	Firmware	Tags	Status	
	0022e		front-gate-intercom	8028	5.4			1
	0022e		sipstrobe-063eed	8128	5.3			Test
	0022e		sipstrobe-063f7b	8128	5.3.4			O Reboot ➡ Upgrade Latest
	0022e		ceiling-speaker-2a	8188	5.4			→ ← Push Config
	0022ee		ceiling-speaker-1b	8188	5.4			♣ Set Volume ♣ Download Syslog
	0022e		ceiling-speaker-1a	8188	5.2		CONNECTED	🕹 Download Config
	0022e		sipceiling-077b6c	8188	5.4			Delete Add Tag <
	0022e		sipceiling-077ce2	8188	5.4			
	0022e		8301-home-office	8301	5.4		() CONNECTED	:

Additional actions include:

Download Syslog	When performed, a .txt file of your device's system log will be downloaded.
Download Config	When performed, a .txt file of your device's configuration file will be downloaded.

5.3 Accessory Fault Detection

Any devices that can supervise accessory devices will display a fault detection icon on the devices page if there are any connection faults. This includes satellites speakers, call switches, and any other devices that support relay with supervision mode.

To receive an email when a fault occurs, go to the **Settings** \rightarrow **Notification Settings** to enable notifications.

Accessory fault detection allows users to supervise device accessories. For example, a user can see if a satellite speaker becomes disconnected from the main speaker, or if a call button is working properly with a paging adapter.

If a fault is detected, an orange triangle will appear on the device's line on the **Device** page. Hover over the triangle to view details of the detected fault.



	ALGO	=	Account Manager					[← B	ACK TO ACCOUNT LIST	¢ \varTheta
88	Dashboard		Devices							
.:1	Devices									
*	Configure		ALL CONNECTED	DISCONNECTED						
Ê	ZTP	^	Device ID	Local IP	Name	Product	Firmware ↓	Tags	Status	All
	Devices		☐ 0022€	٥		8198				:
	Config		0022¢	0		8180			Fault Detected	ault detected.
Ċ	System Log		□ 0022€	٥		8180				:
Ŧ	Export		0022e			8201				:
			☐ 0022€			8028			R DISCONNECTED	:
		_	00226	1		8138			DISCOMMECTED	

5.4 Remote Device UI (Beta)

A subset of Algo products can be configured individually through the remote device UI feature. To enable remote device UI and all beta features, please reach out to the Algo support team at support@algosolutions.com.

Remote device UI allows ADMP users to access and configure individual Algo devices directly from ADMP without being on the same network as the device. For more information on how to configure multiple devices at once, see <u>section 6 on Configuration</u>.

Remote device UI is currently only available for the following devices:

Speakers

- 8180 IP Audio Alerter
- 8188 IP Ceiling Speaker
- 8189 IP Surface Mount Speaker
- 8186 IP Horn Speaker
- 8198 IP PoE+ Ceiling Speaker
- 8196 IP PoE+Horn Speaker
- 8190 IP Speaker Clock
- 8190S IP Speaker Clock & Visual Alerter

Displays

- 8410 IP Display Speaker
- 8420 IP Dual-Sided Display Speaker

Paging Adapters

- 8301 IP Paging Adapter & Scheduler
- 8305 Multi-Interface IP Paging Adapter
- 8373 IP Zone Paging Adapter

Intercoms

- 8201 IP PoE Intercom
- 8063 IP Door Controller
- 8028 IP Doorphone

Visual Alerters

- 8128 IP Visual Alerter
- 8138 IP Color Visual Alerter



To use the remote device beta feature, the following requirements must be met:

- 1. Device firmware is using version 5.5_alpha15 or greater
- 2. The device must have a **Connected** status in ADMP.
- 3. Allow Configuration File Sync under ADMP Cloud Monitoring must be enabled on the device's web interface. This can be found on the tab Advanced Settings under Admin in the web interface.

r	ADMP Cloud Monitoring	
	Enable ADMP Cloud Monitoring	Constant Disabled Disabled This feature requries a valid Account ID. Please contact support@algosolutions.com for assistance.
Ι.	Account ID	the second se
	Allow Configuration File Sync	
	Heartbeat Interval	30 seconds V
L		
	Configuration Bookun	

If your device meets the above requirements, you will see a gear icon next to the device in the ADMP **Devices** tab. Clicking on the gear icon to take you to remote device configuration UI screen. If a gear icon does not appear for a device, remote device UI is not yet available for the product.

	ALGO		Accoun	nt Manager						[+ ВАСКТО
88	Dashboard		Devid	ces						
1:1	Devices									
*	Configure		Tota	ALL CONNEC	TED DISCONNECT	ED				Q
Ê	ZTP	^		Device ID	Local IP	Name	Product	Firmware	Tags	Sta
	Devices			0022	۵		8180			0
	Config			0022			8188			(1)
Ċø	System Log			0022			8138			(1)
<u>+</u>	Export			0022	•		8301			(1)
				0022	\$		8198			(@
				0022ee	ote device configuration	°.	8128			M
				0022			8198			M
				0022			8301			N

Configurations can be saved as a draft if you attempt to leave the remote device UI without pushing the configuration. Drafts can be re-opened when a user goes back to the remote device UI page.



	ALGO	
	Basic Settings ^ S	P Settings
	SIP Settings	
	Features	SIP This section allows the SIP server information & account credentials to be entered. This information should be obtained from your telephone system administrator or hosted account provider.
	Multicast	10.0.100
	Additional Features	SIP Domain (Proxy Server) Default port is 5080. To specify a different port, enter PROXY:PORT, e.g. my, proxy.com:5070, or 100 Default port is 5080.
	Input/Output	Unsaved Changes
	Emergency Alerts	Your changes will be lost if you don't save them.
	More Page Extensions	Ring/Alert Mode on registered SIP extension O None CANCEL DON'T SAVE SAVE DRAFT
	More Ring Extensions	
P\$	Advanced Settings 🗸	Ring Extension
		Authentication ID
		Authentication Password
		Display Name (Optional)
D N Pi Fi	svice ID: ame: oduct: rmware:	① The device will detect inbound ring events on this extension and play the alerting tone (and multicast if configured) until the inbound call stops ringing. It will not answer the call on this extension.

If a user is currently using the remote device UI for a device the device status will appear as **Editing**. If configurations are not saved, the next time a user opens the remote device UI they will have the option to begin editing based on the previous drafted configurations or from the last saved configurations.

When configurations are done, click **Push to Device** at the top of the screen.

	ALGO			
=	Basic Settings	^	SIP Settings	
	SIP Settings			
	Features		SIP This section allows the SIP server information & account credentials to be entered. This account provider.	information should be obtained from your telephone system administrator or hosted
000	Multicast Advanced Features	^	SIP Domain (Proxy Server)	10.0.0.101 O Default port is 5660. To specify a different part, enter PRCXY/PORT, e.g. my_proxy.com.5070, or 192.168.110.5080.
	Input/Output Emergency Alerts		Ring/Alert Mode	Monitor "Ring" event on registered SIP extension None
	More Page Extensions More Ring Extensions			
P\$	Advanced Settings	^	Ring Extension	131231231
	Network		Ring/Alert Events	Ring •
	Admin		Authentication ID	
	Time		Authentication Password	
	Provisioning Advanced Audio		The device will detect inbound ring events on this extension and play the alertil answer the call on this extension.	ng tone (and multicast if configured) until the inbound call stops ringing. It will not
	Advanced SIP			
	Advanced Multicast		Page Extension	
			Authentication ID	



6 CONFIGURE

The configure page is used to manage device tags and configuration files. When the **Push Config** action is used to apply a configuration file, the device configuration will change based on what is in the file. If the file does not include a field or parameter set on the device, the device will retain the existing configuration for that field.

	ALGO	=	/							¢°e		
88	Dashboard		с	onfigure								
r:I	Devices											
*	Configure			Tags						+ ADD TAG		
Ē	ZTP	^		Algo Conf Room 1 🛞 🛛 Algo Conf Room 2 🛞	Algo Hallway 🛞 🛛 Algo Main Entrance 🔅 🛛 Algo	Office 🔘 Algo W	arehouse 🛞					
	Devices						_					
	Config			Config Files	Q Search File Names		t	UPLOAD	File Content			
Ĝ	System Log			File Name	Date \downarrow	Size						
Ŧ	Export			ADMP.Config.txt	2024/3/11	74 B	٩	Ō				
				-config-v2.txt	2024/2/12	14.657 kB	٢	Ō	*			
				-config.txt	2024/2/2	14.579 kB	٩	Ō	2			
				-config.txt	2024/2/2	14.639 kB	٩	Ō	- Select a file -			
				Warehouse-Horn-Speaker.txt	2022/9/22	4 B	٩	Ô				
				Rows per page: 10 👻 1–5 of 5 < >								
鐐	Settings											

6.1 Tags

The tags section can be used to add or edit new tags.

Tags	+ ADD TAG
Algo Conf Room 1 🛞 Algo Conf Room 2 🛞 Algo Hallway 😰 Algo Main Entrance 😒 Algo Office 🛞 Algo Warehouse ⊗	





Create New Tag

To create a new tag, click + Add Tag.

A window will open where you can type in the new tag name and select a color. You can enter a Hex color code (ex. #6CC4BD) if you'd like a specific color.

Once complete, click **Confirm**.



Edit an Existing Tag

To edit an existing tag, click the tag in the main bar.

A window will open where you can edit the tag name or change the color. You can enter a Hex color code (ex. #6CC4BD) if you'd like a specific color.

Once complete, click Confirm.



6.2 Config Files and File Content

Use the Config Files section to upload and preview configuration files. To assign a configuration file to a device, use the **Devices** page and the action **Push Config**. See <u>section 4.1.2</u> for more details.

onfig Files	Q Search File Names		1 UPLOAD	File Content
File Name	Date \downarrow	Size		
ADMP.Config.txt	2024/3/11	74 B	🕑 🥫	
-config-v2.txt	2024/2/12	14.657 kB	🕑 🥫	
-config.txt	2024/2/2	14.579 kB	🕑 🥫	***
-config.txt	2024/2/2	14.639 kB	🕑 🥫	- Select a file -
Warehouse-Horn-Speaker.txt	2022/9/22	4 B	🕑 🥫	
	Davia an		E-45 ()	
	Rows per	rpage: 10 👻 1-	-5 of 5 < >	



The file can be named anything you would like. However, the following is necessary for a configuration file to be used in ADMP:

- It must be in the format .txt
- It must be a valid Algo configuration file or a partial Algo configuration file. A partial configuration file is recommended when you want to reconfigure some but not all settings across several devices. To retrieve an Algo configuration file, open your device web interface and go to the tab System →
 Maintenance. Click Download under Backup/Restore Configuration.

Status Basic Settings Additional Features Advanced S	Settings System Logout
Maintenance Firmware File Manager Tones Syste	em Log Credits About
System Maintenance	
Backup / Restore Configuration	
Download Configuration File	
Restore Configuration File	Choose File No file chosen
Restore Configuration to Defaults	Na Restore Defaults
Backup / Restore All User Files Backup in zip format includes configuration file and all uploaded Download Backup Zip File	d files.
Restore from Backup Zip File	Choose File No file chosen
Restore All Settings and Files to Defaults	Restore Defaults and Delete Files (All preloaded and uploaded files, including tone files, will be deleted.
Reboot	
Reboot the device	Reboot

To upload a new configuration file:

- 1. Click Upload
- 2. Drag and drop your configuration file into the window or click **Choose files**.

Upload Configuration File			
	<u>↑</u> ,		
Drag and drop files	here or <u>Choose file</u>	<u>!S</u>	
Supported format: .txt			/
		CANCEL	UPLOAD

3. Click Upload



4. To preview uploaded files, click on the file in the list and view **File Content**.

onfig File	S	Q Search File Names			± UPLOAD	File Content
ile Name		Date \downarrow	Size			admin.devnam admin.pwd = a
DMP.Config.	xt	2024/3/11	74 B	٩	Ō	admin.security admin.security admin.sic.use
	config-v2.txt	2024/2/12	14.657 kB	Ð	ō	admin.start.sta admin.startupt
	-config.txt	2024/2/2	14.579 kB	٩	Ō	admin.status.p admin.teams.r admin.teams.u
	config.txt	2024/2/2	14.639 kB	٩	Ō	admin.timezon admin.web.api
Varehouse-He	orn-Speaker.txt	2022/9/22	4 B	٩	Ō	admin.web.tim admin.welcom alert.cid1.rege
row selected		Rows per	page: 10 -	1-5 of 5	< >	alert.cid1.tone alert.cid1.use : alert.cid2.trege

5. To assign a configuration file to a device, use the **Devices** page and the action **Push Config**. See <u>section 4.1.2</u> for more details.

7 ZTP

Zero-touch provisioning (ZTP) is a method of configuring devices automatically to simplify and speed up deployments in large-scale environments. This removes the need for manual configuration.

All Algo IP endpoints shipped after November 2022 can use ZTP. Algo's ZTP service is free and can be accessed via ADMP. Though full ADMP access requires licensing, no license is required to use the ZTP service.

Algo devices have ZTP enabled by default. This setting is disabled as soon as you begin to manually configure a device. ZTP is only active when a device is first installed or after a device has been factory reset.

Use the <u>ZTP request form</u> if you would like a ZTP-only account or if you have an existing ADMP account and would like to add ZTP to it.





7.1 Device Mapping

The Device Mapping page is used to map devices to configuration files. When using ZTP, once a MAC address has been claimed by an ADMP account, it cannot be claimed by another. If the MAC address is removed from ADMP, it may be claimed by another account.

	ALGO	=	-						¢ <mark>2</mark>	0
88	Dashboard		z	ero Touch Provisioning -	Device Mapping					
a	Devices									
*	Configure			Q MAC Address / File Name			MODIFY	+ ADD DEVICES		
Ê	ZTP	^		MAC Address	Config File	Last Contacted	Last Modified \downarrow	Provisioned		
	Devices							Θ / Ō		
	Config									
Ĝ	System Log									
Ŧ	Export									
							Rows per page: 20 👻	1–1 of 1 < >		
鐐	Settings					©2021-2024 Algo Communication Products Ltd.				

MAC Address	The MAC address of an added device. A device MAC address can be found on the Status \rightarrow Device Status page of the device web interface.
Config File	The selected configuration file to apply to the device using ZTP.
Last Contacted	The most recent date the device contacted ADMP.
Last Modified	The most recent date the device mapping was modified.
Provisioned	Whether or not a device has been successfully provisioned. If part of your provisioning includes connecting the device to ADMP, you will be able to use the primary Device and Configure pages of ADMP for additional configuration.

To add devices that you would like to use ZTP for:

1. Click + Add Devices

- 2. A new window will pop up. Upload a .txt file containing a list of MAC addresses for your devices or enter the list of MAC addresses directly into the window with comma-separated values.
- Select a configuration file from the drop-down menu. These files can be added and previewed on the ZTP → Config page.
- 4. Click **Confirm** to finish mapping your devices to the selected configuration file.



	ALGO	=	1			ф ² Ө
88	Dashboard		Zero Touch Provisioning - I	Device Mapping		
۵	Devices			Add Device Mappings		0
*	Configure		Q MAC Address / File Name		Ø MODIFY	DELETE + ADD DEVICES
Ê	ZTP	^	MAC Address		Last Modified \downarrow	Provisioned
	Devices			£	2023/8/21	Θ / δ
	Config			Drag and drop files here or <u>Choose files</u>		
Ĉ	System Log			Support cormattxt		
ŧ	Export			0 CR OR		
				Enter mac addresses (comma separated):		
				0022ee0ad5d0, 0022ee0986c9, 0022ee120491		
				2		
				0		
			1 row selected	- Select Config File -	Rows per page	e: 20 🕶 1–1 of 1 < >
				CANCEL CONFIRM		
ŝ	Settings			©2021-2024 Algo Communication Products Ltd.		

Once the upload is complete, you will see your devices added to the table on the page. When a device is plugged in for the first time, it will reach out to the ZTP server, grab the configuration information, and apply it to the device based on its MAC address.

You can modify the mapping if you make an error and want to change the configuration file. This must be done before the device reaches out for the first time.

- 1. There are two ways to modify devices:
 - a. Multiple devices at a time. To do this, select all devices and click Modify.
 - b. Individually. To do this, click 🖉 on the device's row.
- 2. A window will appear for you to select a new configuration file. See section 7.2 for more details.





7.2 Configuration Files

Use the **ZTP** \rightarrow **Config** page to upload configuration files that will specifically be used for ZTP. These ZTP config files can include configurations to connect a device to ADMP, eliminating the need to add an account ID for each device individually.

Algo's ZTP service is primarily meant to be used as a redirection service to your provisioning server. While it will accept files containing additional settings such as SIP parameters, it is not meant for this purpose.

To redirect your devices to a provisioning server, your configuration file should contain:

```
prov.server.method = static
prov.server.static = https://some-local-server
prov.sync.endtime = 03:00:00
prov.sync.frequency = daily
prov.sync.time = 02:00:00
prov.use = 1
prov.i = 1
iot.mqtt.ka = 30
iot.tenant = [ADMP account ID]
iot.use = 1
```

To enable ADMP cloud monitoring on your device, your configuration file should contain:

iot.mqtt.ka = 30 iot.tenant = [ADMP account ID] iot.use = 1



	ALGO	=						¢ <mark>2</mark> 🖯
88	Dashboard		Zero Touch Provisioning - C	onfiguration File	S			
ei.	Devices							
*	Configure		Upload ZTP config files					
Ê	ZTP	^						
	Devices				-	<u>↑</u>		
	Config				Drag and dr	op files here or g	Choose files	
Ĝ	System Log		Supported format: .txt					
Ŧ	Export							
			Files		Q Search	File Names	File Content	
			File Name 🛧	Date	Size		iot.mqtt.ka = iot.tenant = c	
			auto-admp.txt	2023/4/12	75 B	<u>۵</u>	iot.use = 1	
			local-provision-server-redirect.txt	2023/4/12	274 B	ם 🖸		
			1 row selected	Rows per pa	ge: 10 👻	1–2 of 2 <	>	
暾	Settings				@2021-2024	Algo Communication	Products Ltd.	

The following is necessary for a configuration file to be used for ZTP:

- It must be in the format .txt
- It must be a valid Algo configuration file. Any settings not specified in the file will retain their default factory values. To retrieve an Algo configuration file, open your device web interface and go to the tab System → Maintenance. Click Download under Backup/Restore Configuration.

Jownload Configuration File	Jownload	
Restore Configuration File	Choose File No file chosen 1 Restore	
Restore Configuration to Defaults	National Restore Defaults	
Backup / Restore All User Files ackup in zip format includes configuration file and all u Download Backup Zip File	ploaded files.	
ackup / Restore All User Files ackup in zip format includes configuration file and all u Download Backup Zip File	ploaded files.	
lackup / Restore All User Files ackup in zip format includes configuration file and all u Download Backup Zip File Restore from Backup Zip File	ploaded files.	
Iackup / Restore All User Files ackup in zip format includes configuration file and all u Download Backup Zip File Restore from Backup Zip File Restore All Settings and Files to Defaults	ploaded files. Download Choose File No file chosen Restore Defaults and Delete Files	
Jackup / Restore All User Files ackup in zip format includes configuration file and all u Download Backup Zip File Restore from Backup Zip File Restore All Settings and Files to Defaults	ploaded files. Download Choose File No file chosen Restore Defaults and Delete Files All preloaded and uploaded files, including tone files, will be co	leieted.
Jackup / Restore All User Files ackup in zip format includes configuration file and all u Download Backup Zip File Restore from Backup Zip File Restore All Settings and Files to Defaults	ploaded files. Download Choose File No file chosen Restore Defaults and Delete Files All preloaded and uploaded files, including tone files, will be of	leleted.



To upload a new configuration file:

1. Select your configuration file to upload by dragging and dropping the file into the window or selecting your files.

Upload ZTP config files		
	▲ Drag and drop files here or <u>Choose files</u>	
Supported format: .txt		

2. Click Upload

3. To preview uploaded files, click on the file in the list and view File Content.

Files		Q Search I	File Names		File Content
File Name	Date \downarrow	Size			prov.i = prov.se
	2023/4/12	75 B		Ō	prov.sy prov.sy
	2023/4/12	274 B	٩	Ō	prov.sy prov.sy
					lot.mqt lot.tena
					iot.use
1 row selected	Rows per pag	je: 10 👻 1	1–2 of 2	< >	

4. To assign a configuration file to a device, use the **ZTP** \rightarrow **Devices** page. See <u>section 6.1</u> for more details.

8 SYSTEM LOG (BETA)

To enable system logs and all beta features, please reach out to the Algo support team at support@algosolutions.com.

The system log records user actions and changes made in ADMP. This makes it easy to audit or troubleshoot your ADMP account. This data is stored in ADMP for up to a year and can be exported to CSV by clicking **Export** at the top right of the screen.

ALGO

	ALGO	≡	/					¢ °	
믱	Dashboard		S	ystem Logs					
	Devices								
*	Configure			ADMP System Logs are store	ed for 1 year			EXPORT C REFRESH	
Ê	ZTP	^		Timestamp	Action Type	Initiato	r	Description	
	Devices			2024-09-19 2:05:29 PM	INIT REMOTE CONFIG		@algosolutions.com	Successfully initiated remote configuration for device:	
	Config			2024-09-05 9:41:56 AM	INIT REMOTE CONFIG		g@algosolutions.com	Successfully initiated remote configuration for device:	
Ĝ	System Log			2024-09-05 9:41:05 AM	PUSH REMOTE CONFIG		g@algosolutions.com	Successfully pushed configuration to device:	
				2024-09-05 9:40:36 AM	INIT REMOTE CONFIG		g@algosolutions.com	Successfully initiated remote configuration for device:	
Ť	Export			2024-09-05 9:36:33 AM	UPLOAD FILE		g@algosolutions.com	File: Background-Jan2024.png uploaded to images	
				2024-09-05 9:04:20 AM	INIT REMOTE CONFIG		g@algosolutions.com	Successfully initiated remote configuration for device:	
				2024-09-05 8:24:07 AM	DEVICE UPGRADE		g@algosolutions.com	Device upgraded to the latest firmware version: 5.5_alpha35	
				2024-09-04 8:35:01 PM	UPLOAD FILE		g@algosolutions.com	File: Background-Jan2024.png uploaded to images	
				2024-09-04 8:34:06 PM	INIT REMOTE CONFIG		g@algosolutions.com	Successfully initiated remote configuration for device:	
				2024-07-05 8:36:01 AM	DEVICE CONFIG DOWNLOAD		@algosolutions.com	Config file: '-config.txt downloaded from	
				2024-07-05 8:35:10 AM	DEVICE SYSLOG DOWNLOAD		@algosolutions.com	Syslog file: -syslog.txt downloaded from	
				2024-07-02 3:19:54 PM	DEVICE REBOOT		@algosolutions.com	Reboot action triggered for the following device:	
				2024-07-02 2:59:53 PM	DEVICE REMOVE TAG		@algosolutions.com	Tag Sample Tag removed from the following device:	
				2024-07-02 2:59:21 PM	DEVICE ADD TAG		@algosolutions.com	Tag Sample Tag assigned to the following device:	
				2024-06-28 1:35:02 PM	GENERATE DEVICE BACKUPS		@algosolutions.com	Device configurations backup generated for exportation	
								IC C >	
暾	Settings						92021-2024 Algo Communicatio	n Products Ltd.	

Recorded device details include:

Test tone	Add or remove tag
• Reboot	Monitor or unmonitor
Upgrade	• Delete
Push configuration	System log download
Set volume	Configuration download

Additional ADMP details include:

Create or delete configuration file	Generate device backups
Create or delete ZTP file	Push or initiate remote configuration
Create or delete ZTP mapping	Upload, delete, or move file
• Create, delete, or update tag	



To audit and troubleshoot devices, the system log provides a list of ADMP user actions related to device configuration for up to a year. Actions applied to specific devices will be defined by the device's MAC address.

Actions recorded in the System Log include:

Device tone tested	Device configuration downloaded
Device upgraded	 Configuration file created or deleted
Device configuration pushed	ZTP file created or deleted
Device volume set	 ZTP mapping created or deleted
 Device tag added or removed 	 Tag created, updated, or deleted
Device set to monitor or unmonitor	 Device configuration backup generated
Device deleted	 Remote configuration pushed
 Device system log downloaded 	 File uploaded, moved, or deleted

It should be noted that:

- All ADMP account users will have access to the System Log
- Actions that have failed will not be reported in the System Log
- Details at the specific device level will not be reported (ex. accessory fault detection)

9 EXPORT

The Export page is used to download backup device configuration files and device data.

9.1 Backup Device Configuration

Clicking **Generate Backup** allows you to download a ZIP of all configuration files used on connected devices. Backup of a device's configuration file may fail if the device is busy or disconnected. Please make sure all devices are using firmware 5.3 or above before initiating a backup.



=	ALGO	• Acc	ount N	Manager E- BACK TO ACCOUNT LIST A O
88	Dashboard		E	xport
ıil	Devices			
*	Configure			Backup Device Configurations
Ê	ZTP	^		① This feature will create a downloadable ZIP of all your connected devices' configuration files. Backup of a device's configuration file may fail if the device is busy or disconnected. Please make sure all devices are connected with firmware v5.3 or above before initiating a backup.
	Devices			
	Config			Step 1: Backup Step 2: Download Click the button below to generate a ZIP file containing a copy of the configuration of all Once the backup is generated, you can download it from the button below. The backup
Ġ	System Log			the devices. This may take a minute or two depending on the number of devices. will be available for 3 days; please make sure to download it before then or your backup will be deleted.
<u>+</u>	Export			
				Export Device Data Click here to export your current device data as a CSV file.
鐐	Settings			@2021-2024 Algo Communication Products Ltd.

To create a backup folder to export:

 Under Step 1: Backup, click Generate Backup to generate a ZIP file containing a copy of the configuration of all the devices. This may take a minute or two depending on the number of devices. After clicking Generate Backup, the button will spin indicating the file is loading.

a ZIP file containing a copy of the configuration of all the dev ending on the number of devices.	ces
	e a ZIP file containing a copy of the configuration of all the devi ending on the number of devices. GENERATE BACKUP

2. Once the backup is generated, you can download it by clicking **Download Backup From:** [Date]. The backup will be available for 3 days and will be unavailable after.

Step 2: Download		
Once the backup is ge available for 3 days; pl	nerated, you can download it from the button below. T ease make sure to download it before then or your bac	he backup will be kup will be deleted.
	OWNLOAD BACKUP FROM: 2024/6/24 18:35Z]

3. When you click download, a ZIP file will be downloaded. After you unzip the file, you'll find various .txt files for your products as well as a file called **ADMP device export report.csv**



< > ADMP device export	\equiv \diamond	₩ × Ĥ </th <th> × Q</th>	× Q
Name	A Date Modified	Size	Kind
8138-home-office	Today at 8:35 PM	18 KB	Plain Text
8180-home-office	Today at 8:35 PM	15 KB	Plain Text
8301-home-office	Today at 8:35 PM	15 KB	Plain Text
ADMP device export report.csv	Today at 8:35 PM	947 bytes	CSV Document
🔚 front-gate-intercoi	Today at 8:35 PM	8 KB	Plain Text
hallway-speaker-2	Today at 8:35 PM	15 KB	Plain Text
🛄 office-speaker-3-(Today at 8:35 PM	15 KB	Plain Text
🛄 sipalerter-12d0ae-	Today at 8:35 PM	16 KB	Plain Text

4. Open **ADMP device export report.csv** to review the data. This report will include a list of devices and the number of successful, failed, and skipped devices.

9.2 Export Device Data (Beta)

To enable export device data and all beta features, please reach out to the Algo support team at support@algosolutions.com.

ADMP device data listed on the **Devices** page can be exported to CSV. This is helpful for internal auditing, especially if this data is exported on a regular basis. To do this, click **Export to CSV** on the bottom of the **Export** page.

Clicking **Export to CSV** will download a CSV file of all devices found on the **Device** page. This is ideal for those who want to keep a regular record of connected devices, their status, and firmware or generate reports.



10 SETTINGS

The Settings menu displays your account settings and license details.

ALGO ≡		4 ² 0
맘 Dashboard	Settings	
E Devices		
🛠 Configure	Notification Settings	
Ê ZTP ^	Email Notification	
Devices	Email	
Config		
🔓 System Log	Feature Settings	
▲ Export	Zero Touch Provisioning	
	Account Settings Email Account ID Tier License Expiry	
ថ្ល៊េះ Settings	@2021-2024 Algo Communication Products Ltd.	

10.1 Notification Settings

Email Notification	Turn on to receive email notifications about:			
	Disconnection: You will be notified when I device is disconnected from ADMP			
	• Back Online: You will be notified when a device is re-connected to ADMP			
	• Fault Detection: You will be notified when there is a fault or disconnection between an Algo IP endpoint and accessory device. This includes products like Algo satellite speakers, the Algo 8028 intercom, and call buttons.			
Email	The individual user email address used to log into the ADMP account. This is a read only field and cannot be edited.			

10.2 Feature Settings

Zero Touch Provisioning	Zero-touch provisioning is enabled by default.
	To disable zero-touch provisioning, please contact the Algo support team.



10.3 Account Settings

These fields are read-only.

Email	The individual user email used to log into the ADMP account.
Account ID	A unique ID for your company account. An Account ID is required to connect a device to ADMP.
Tier	There are three kinds of account tiers: Trial, Pro, and Perpetual. See <u>section 2.1</u> for more details.
License Expiry	The soonest date any licenses will expire. If you have bought licenses at different times, they will have different expiration dates. However, the date listed here represents when any licenses you have will expire next.