

ALGO

Algo Device Management Platform (ADMP)

User Guide

Table of Contents

| | | |
|-------|---|----|
| 1 | Product Overview..... | 4 |
| 2 | Security..... | 4 |
| 3 | Setup | 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 |
| 3.5.1 | SSO Set Up | 8 |
| 3.5.2 | Using SSO..... | 11 |
| 3.6 | Getting Started..... | 11 |
| 3.7 | Connect an Algo IP Device to ADMP | 12 |
| 4 | Dashboard | 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 | Devices | 17 |
| 5.1 | Add Tags..... | 18 |
| 5.2 | Actions | 19 |
| 5.3 | Accessory Fault Detection | 22 |
| 5.4 | Remote Device UI (Beta)..... | 23 |
| 6 | Configure..... | 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 | ZTP..... | 29 |
| 7.1 | Device Mapping | 30 |
| 7.2 | Configuration Files | 32 |
| 8 | System Log (Beta)..... | 34 |
| 9 | Export..... | 36 |
| 9.1 | Backup Device Configuration | 36 |
| 9.2 | Export Device Data (Beta) | 38 |
| 10 | Settings..... | 39 |

| | | |
|------|-----------------------------|----|
| 10.1 | Notification Settings | 39 |
| 10.2 | Feature Settings | 39 |
| 10.3 | Account Settings | 40 |

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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

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 | Type | Purpose | Protocol | Security | Port |
|--------------------------------|------|--|------------------|----------|------|
| iot.cloud.algosolutions.com | TCP | Monitoring and management | HTTPS, MQTT, TLS | TLS 1.2 | 443 |
| files.cloud.algosolutions.com | TCP | File transfer | HTTPS, TLS | TLS 1.2 | 443 |
| dinfo.cloud.algosolutions.com | TCP | Advanced device status and relay supervision | HTTPS, TLS | TLS 1.2 | 443 |
| d1ma5gprn1j2rk.cloudfront.net/ | TCP | 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 https://www.algosolutions.com/integrator/ . |

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:

| Admin | Viewer |
|---|---|
| <ul style="list-style-type: none"> • An admin can access the following pages and perform actions where applicable. <ul style="list-style-type: none"> ○ Dashboard ○ Devices ○ Configure ○ ZTP ○ Export ○ Settings | <ul style="list-style-type: none"> • A viewer will only be able to view the following pages. Actions cannot be performed. <ul style="list-style-type: none"> ○ Dashboard ○ Devices ○ Configure ○ Export |

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.

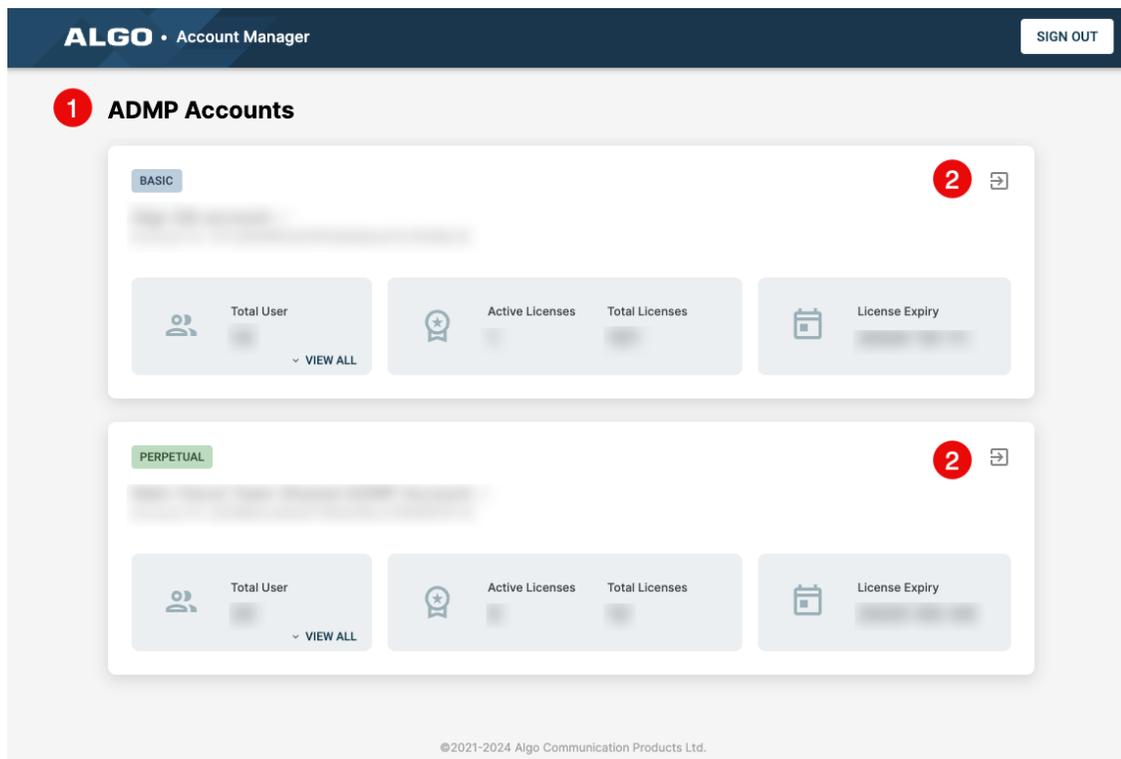
You may purchase additional device licenses through an Algo reseller, distributor, or on the Algo website here: <https://www.algosolutions.com/product/admp/>.

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.

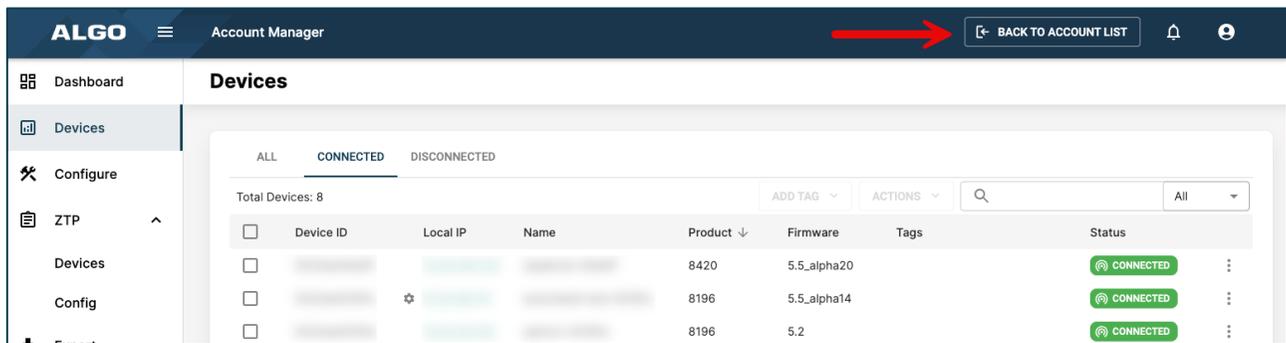
You can view all ADMP tenant accounts from the Account Manager page when you log on (1). Click the enter icon (2) on a tenant account to access them.



Within each tenant account, users have the ability to:

| User Type | Actions |
|------------------|--|
| Administrator | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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.



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@algorithmsolutions.com

3.5 Single Sign-On (Beta)

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

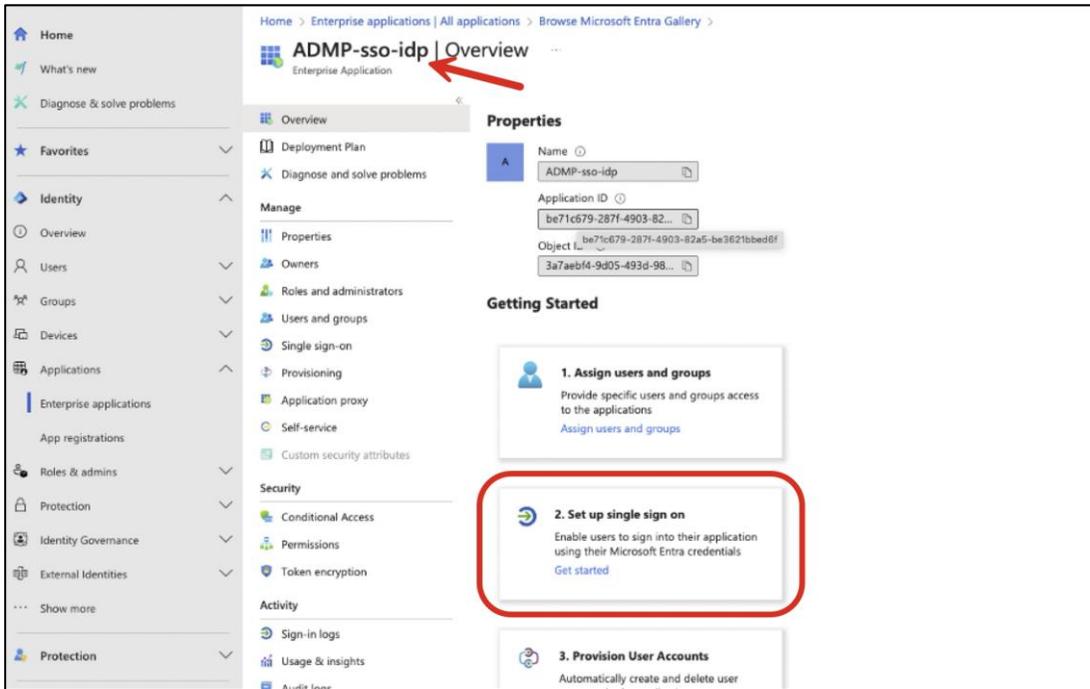
1. Sign in to the [Microsoft Entra admin center](#) as at least a [Cloud Application Administrator](#).
2. On the right navigation, go to **Applications** → **Enterprise applications**.
3. Click **All applications** then **+ New Application** above the Application table.

The screenshot shows the Microsoft Entra Admin Center interface for 'Enterprise applications'. The left-hand navigation pane has 'Applications' (1) expanded to 'Enterprise applications' (2). The main content area shows 'All applications' (3) with a '+ New application' button (4) circled in red. Below the navigation, there is a search bar and filter options. A table of 84 applications is displayed with the following columns: Name, Object ID, Application ID, Homepage URL, and Created on.

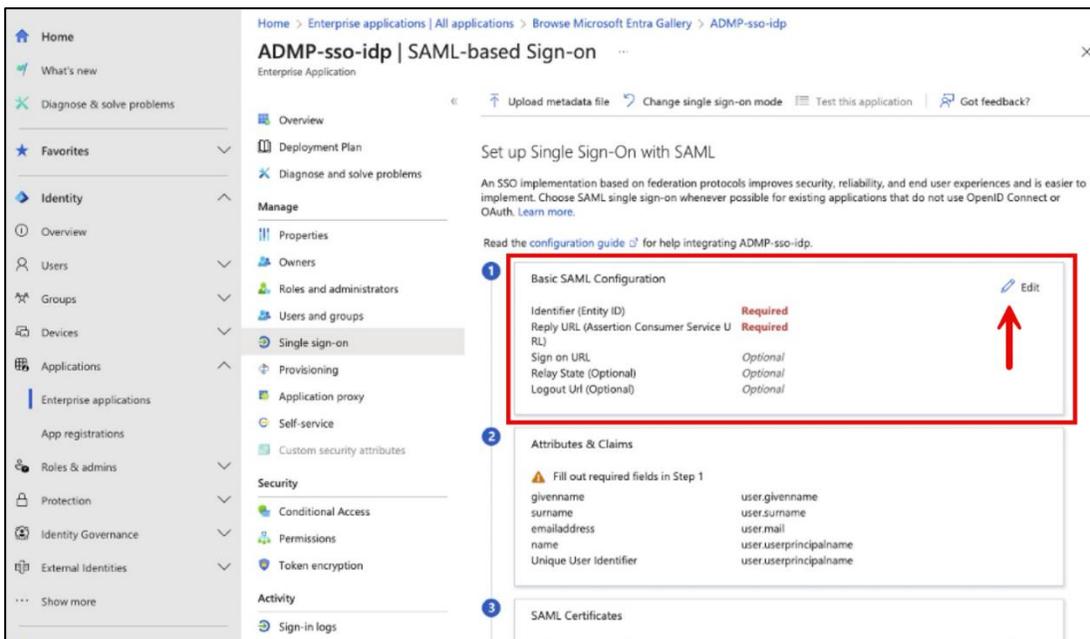
| Name | Object ID | Application ID | Homepage URL | Created on |
|-----------------|-----------------------|-----------------------|-------------------------|------------|
| Jira Cloud | 013d165c-af83-4966... | 11cd7f33-594f-4d45... | https://www.msteam... | 4/7/2021 |
| Lucid | 023a5409-16e1-405... | 328c7390-2221-407... | https://lucid.co | 2/15/2023 |
| Rippling | 0522bba6-a20d-4ef... | ce78f62d-fbbd-432d... | | 6/11/2024 |
| Salesforce | 0b5ef240-5217-4fa5... | 27657853-f927-453b... | https://www.salesfor... | 11/8/2021 |
| Whiteboard.c... | 0f94b20d-abe3-475... | 9b64143c-b537-4c2... | https://whiteboard.c... | 7/19/2022 |
| Humi | 12d27f8e-be20-43d... | 4d701d52-8e23-418... | | 7/31/2023 |
| Huntress Sec... | 15b47764-909a-46ff... | f3203802-805a-42ec... | https://huntress.com | 2/15/2024 |

4. Click **+ Create your own application** near the top of the Entra App Gallery. Add an application name, for example: *admp-ss0-idp*
5. Select **Integrate any other application you don't find in the gallery (Non-gallery)**.

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



- Click **Edit** under **Basic SAML Configuration**.



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`

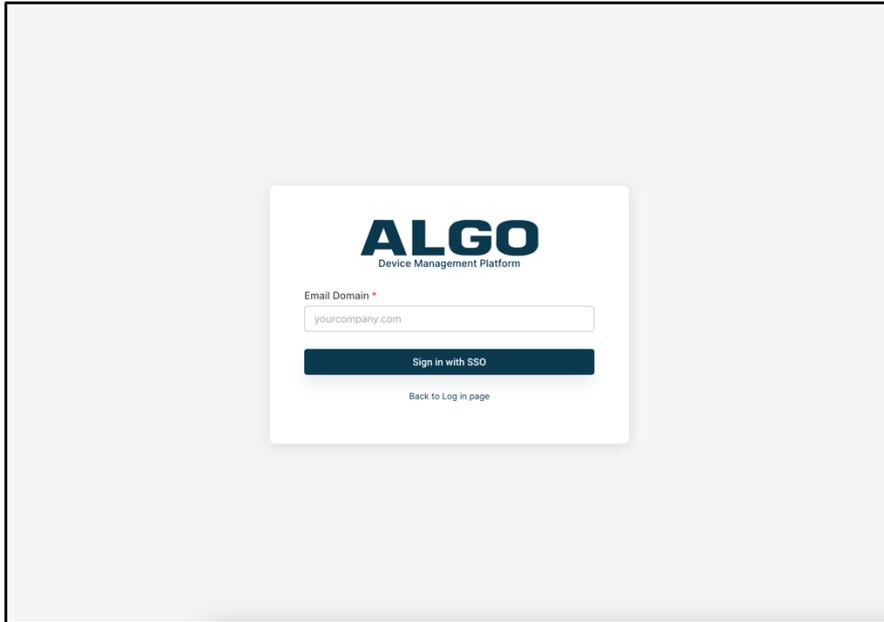
The screenshot shows the 'Basic SAML Configuration' page for an application named 'ADMP-sso-idp'. The page is divided into several sections:

- Identifier (Entity ID):** A required field with a description: '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.' A red box with a '1' callout highlights the input field.
- Reply URL (Assertion Consumer Service URL):** A required field with a description: 'The reply URL is where the application expects to receive the authentication token. This is also referred to as the "Assertion Consumer Service" (ACS) in SAML.' A red box with a '2' callout highlights the input field.
- Sign on URL (Optional):** A field with a description: '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.' A red box with a '3' callout highlights the input field.
- Relay State (Optional):** A field with a description: 'The Relay State instructs the application where to redirect users after authentication is completed, and the value is typically a URL or URL path that takes users to a specific location within the application.'
- Logout URL (Optional):** A field with a description: 'This URL is used to send the SAML logout response back to the application.'

9. Under **Users and groups** add a whitelist of users who will have access to ADMP by clicking **+ Add user/group**.
10. On the **Single sign-on** page in box 3 – **SAML Certificates**, copy the **App Federation Metadata URL**. For example: <https://login.microsoftonline.com/0c75c18e-6cc6-4357-8d98-be14822aea18/federationmetadata/2007-06/federationmetadata.xml?appid=be71c679-287f-4903-82a5-be3621bbbed6f>
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 <https://dashboard.cloud.algosolutions.com/sso>. 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 support@algosolutions.com, you would enter **algosolutions.com**.

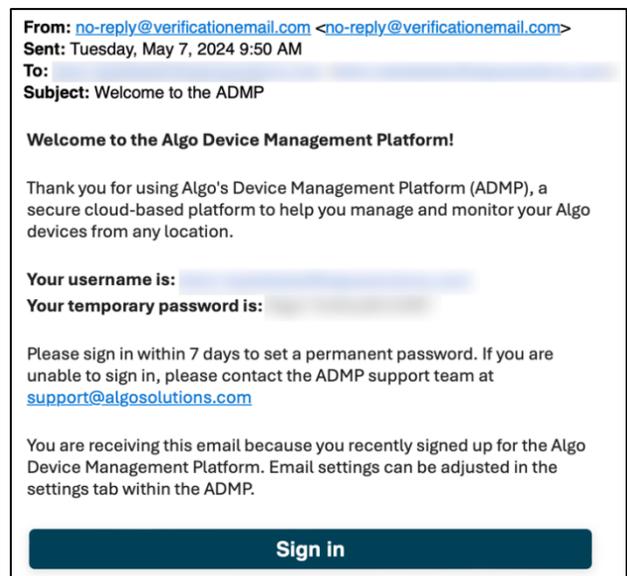
If you are not already logged into your Microsoft account, you will be redirected to a Microsoft login. Once you enter your credentials, you'll be redirected back to ADMP to access your account.

3.6 Getting Started

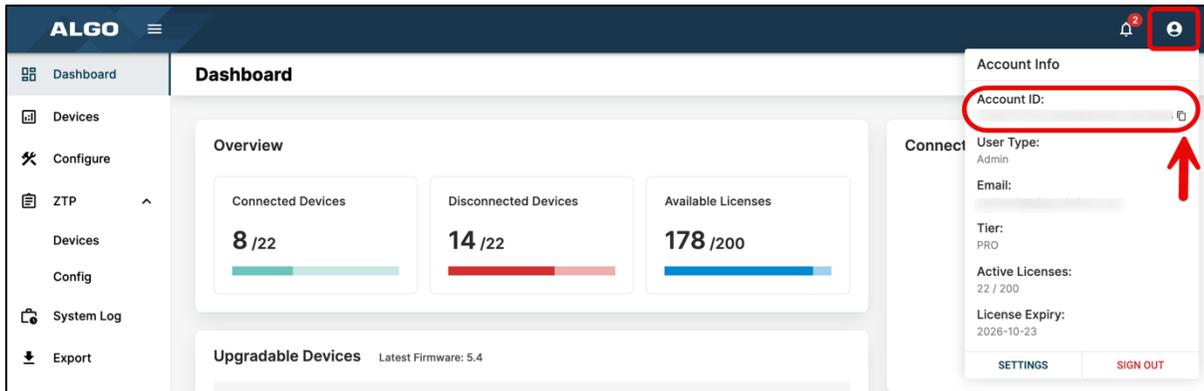
Once an ADMP account has been set up, a username and password will be emailed to the registered user. The email will be sent from no-reply@verificationemail.com.

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.

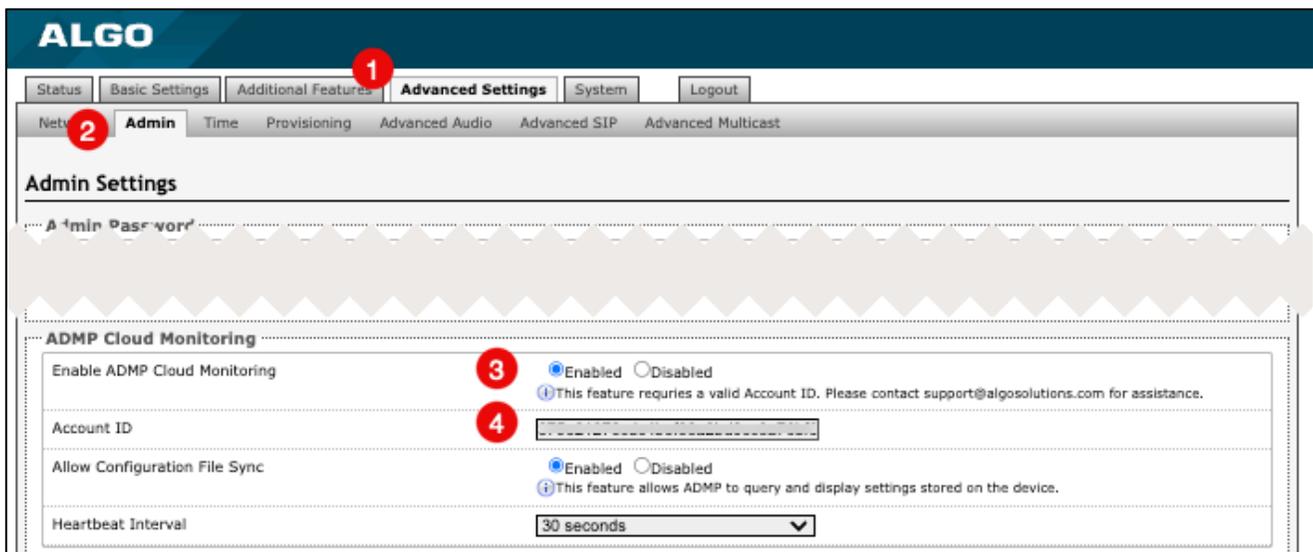


3.7 Connect an Algo IP Device to ADMP

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



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.

The screenshot displays the ALGO Dashboard interface. On the left is a navigation sidebar with options: Dashboard, Devices, Configure, ZTP, System Log, Export, and Settings. The main content area is titled 'Dashboard' and includes the following sections:

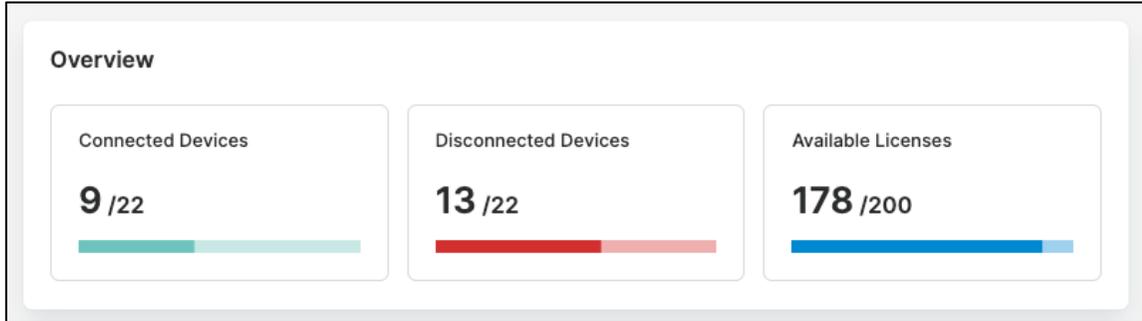
- Overview:** Three summary cards showing 'Connected Devices' (9/22), 'Disconnected Devices' (13/22), and 'Available Licenses' (178/200).
- Connected vs. Disconnected:** A donut chart showing 9 connected (green) and 13 disconnected (red) devices out of a total of 22.
- Upgradable Devices:** A table listing devices with the latest firmware version (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 |
- Product List:** A table showing the quantity of each product type.

| 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 |
| 8166 | Horn Speaker | 1 |
- Notifications:** A list of system events including maintenance and updates, such as 'System Maintenance' on May 13, 2024, and 'UX Update' on March 27, 2024.

4.1 Overview

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



| | |
|----------------------|--|
| 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.

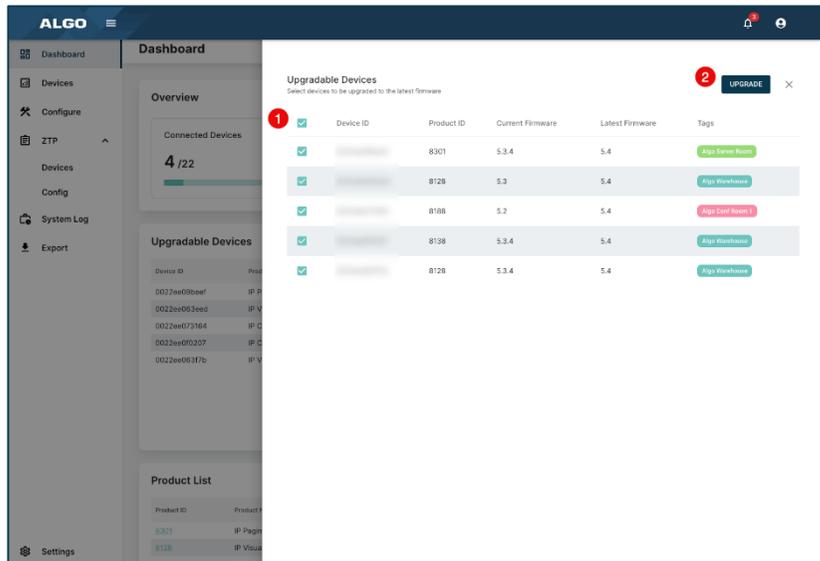
| Upgradeable Devices <small>Latest Firmware: 5.4</small> | | | |
|---|----------------------------|------------|------------------|
| Device ID | Device Name | Product ID | Current Firmware |
| 0022ee | Paging Adapter & Scheduler | 8301 | 5.3.4 |
| 0022ee | Strobe Light | 8128 | 5.3 |
| 0022ee | Ceiling 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:

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



4.3 Product List

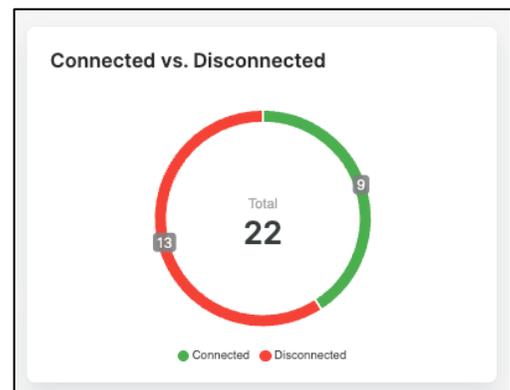
The Product List displays all products connected to ADMP in your deployment.

| 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.

Notifications

May 13, 2024

System Maintenance 2:35PM

ADMP will be going down for maintenance on May. 14th @ 3:00pm PT

March 27, 2024

UX Update 2:27PM

ADMP will be going down for maintenance on Mar. 28th @ 2:00pm PT

[View link here](#)

February 12, 2024

System Maintenance 9:03AM

ADMP will be going down for maintenance on Feb. 12th @ 3:00pm PT

February 8, 2024

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.

Within these lists, you can use the top bar to add tags, perform actions, search, and filter.

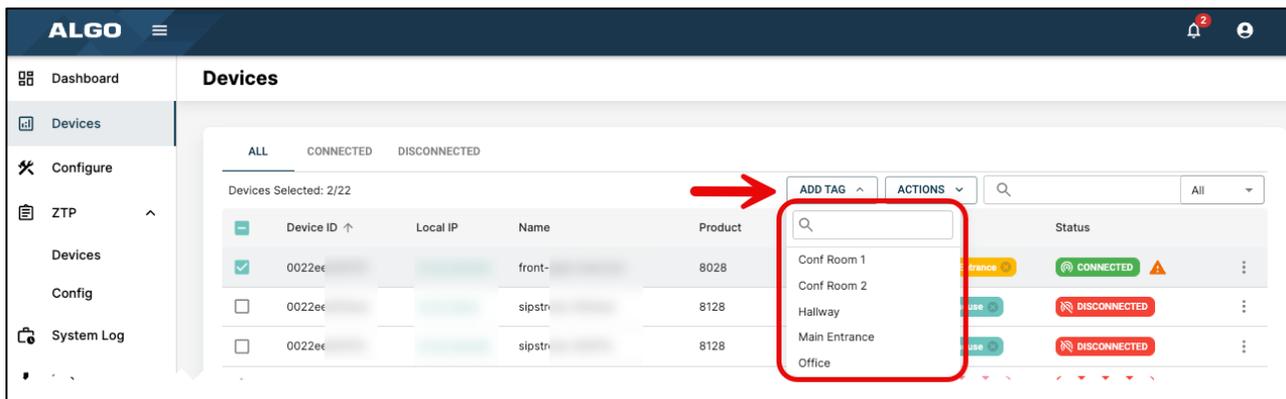
The screenshot shows the ALGO Devices management interface. On the left is a navigation sidebar with options: Dashboard, Devices, Configure, ZTP, System Log, and Export. The main content area is titled 'Devices' and features a table with columns: Device ID, Local IP, Name, Product, Firmware, Tags, and Status. The table lists 22 devices with various statuses (CONNECTED or DISCONNECTED). At the top of the table, there are filters for 'ALL', 'CONNECTED', and 'DISCONNECTED', along with search and action buttons. A 'Compact' toggle is visible at the bottom left of the table area, and pagination shows '1-22 of 22' rows.

| | |
|-----------|---|
| 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. If you are using ADMP on a different network than the one the device is using, you 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.

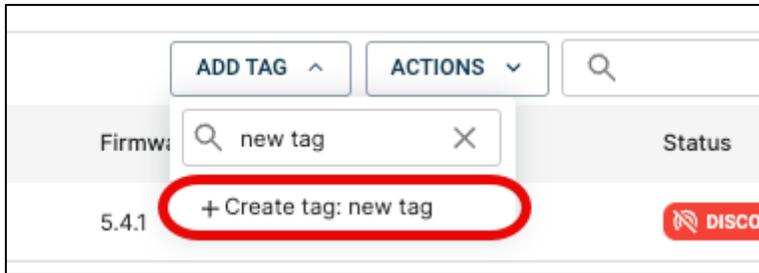
Tags can also be created and managed on the **Configure** page.



To add a tag to a device:

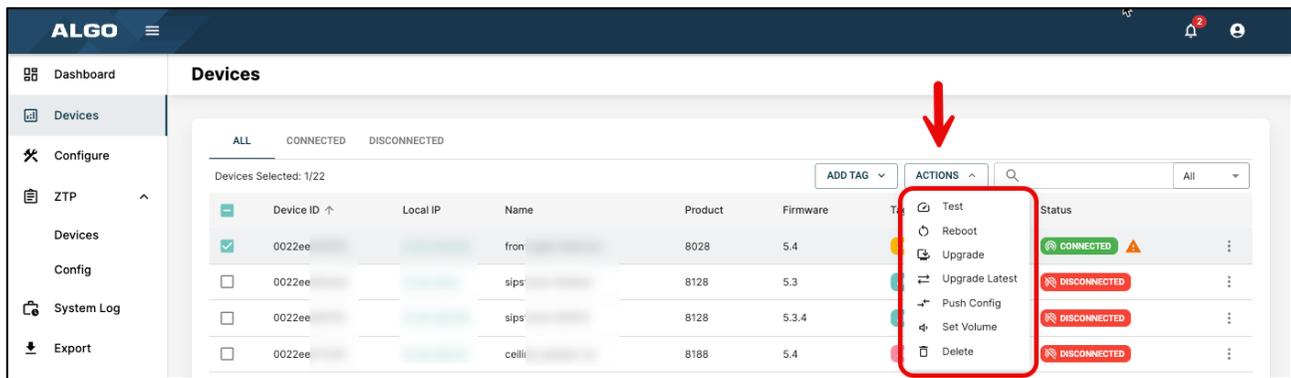
1. Select the device(s) you would like to add a tag to.
2. Click on Add Tag to see the drop-down of tag options.

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

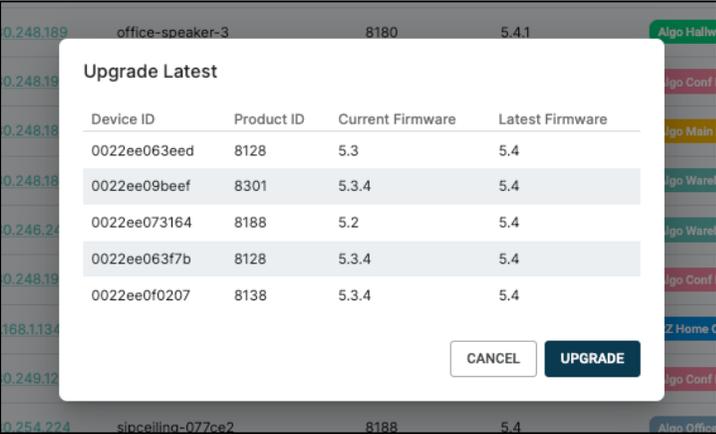
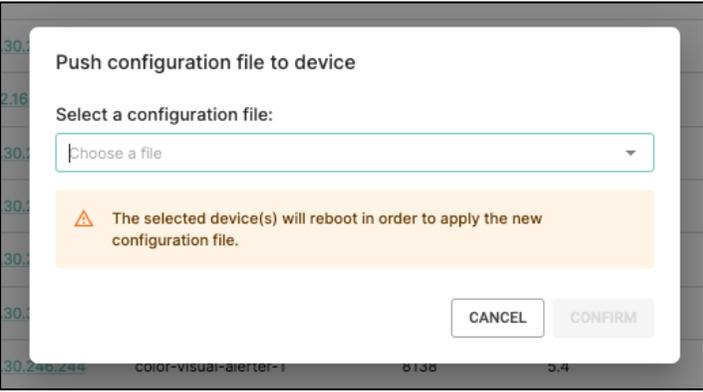


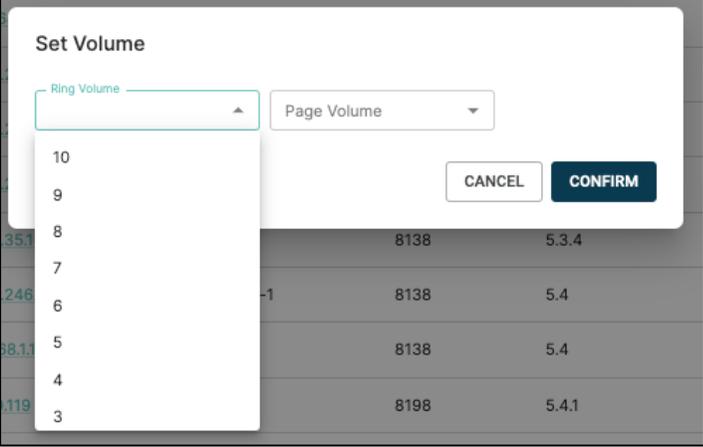
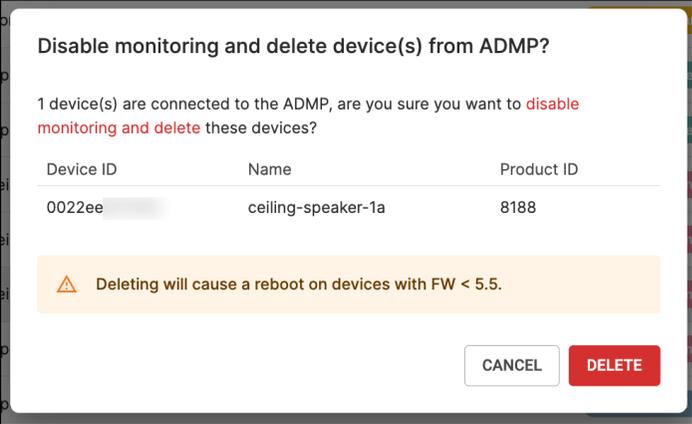
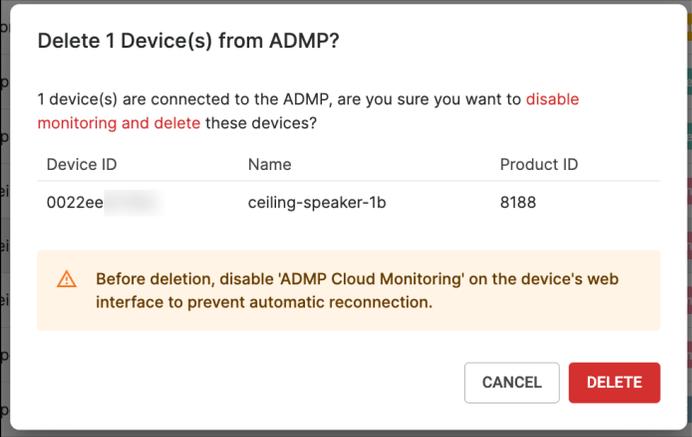
5.2 Actions

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.

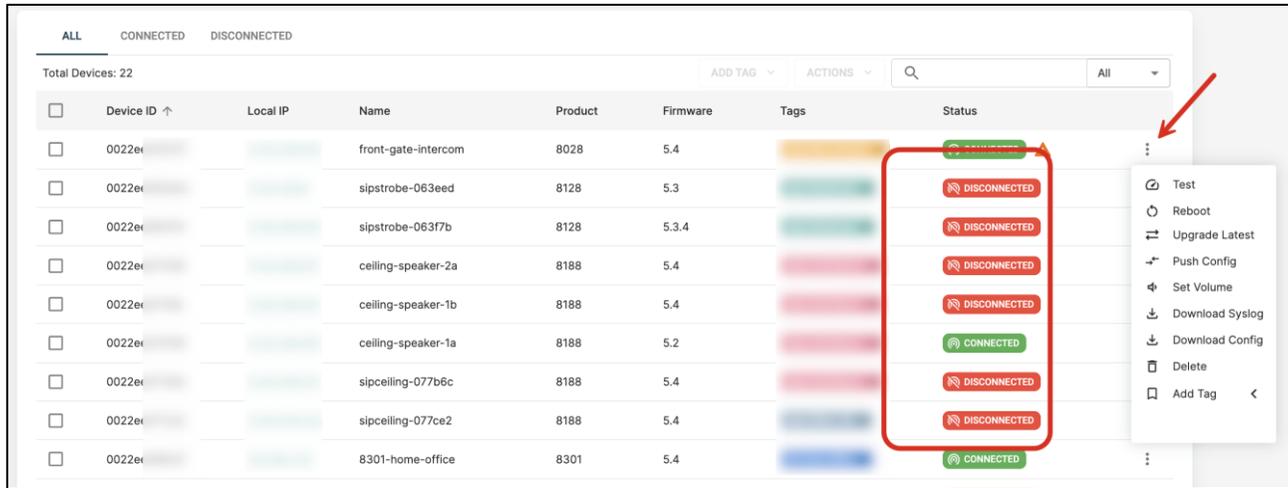


| | |
|----------------|---|
| Test | <p>The following will take place when a test is performed:</p> <ul style="list-style-type: none"> • Speakers, Displays, Intercoms: Play a tone • Paging Adapters: Will play a tone if connected to an audio device. • Visual Alerters: The lights will flash |
| Reboot | 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 |

| | <p>upgrade.</p>  <table border="1"> <thead> <tr> <th>Device ID</th> <th>Product ID</th> <th>Current Firmware</th> <th>Latest Firmware</th> </tr> </thead> <tbody> <tr> <td>0022ee063eed</td> <td>8128</td> <td>5.3</td> <td>5.4</td> </tr> <tr> <td>0022ee09beef</td> <td>8301</td> <td>5.3.4</td> <td>5.4</td> </tr> <tr> <td>0022ee073164</td> <td>8188</td> <td>5.2</td> <td>5.4</td> </tr> <tr> <td>0022ee063f7b</td> <td>8128</td> <td>5.3.4</td> <td>5.4</td> </tr> <tr> <td>0022ee0f0207</td> <td>8138</td> <td>5.3.4</td> <td>5.4</td> </tr> </tbody> </table> | Device ID | Product ID | Current Firmware | Latest Firmware | 0022ee063eed | 8128 | 5.3 | 5.4 | 0022ee09beef | 8301 | 5.3.4 | 5.4 | 0022ee073164 | 8188 | 5.2 | 5.4 | 0022ee063f7b | 8128 | 5.3.4 | 5.4 | 0022ee0f0207 | 8138 | 5.3.4 | 5.4 |
|--------------------|--|------------------|-----------------|------------------|-----------------|--------------|------|-----|-----|--------------|------|-------|-----|--------------|------|-----|-----|--------------|------|-------|-----|--------------|------|-------|-----|
| Device ID | Product ID | Current Firmware | Latest Firmware | | | | | | | | | | | | | | | | | | | | | | |
| 0022ee063eed | 8128 | 5.3 | 5.4 | | | | | | | | | | | | | | | | | | | | | | |
| 0022ee09beef | 8301 | 5.3.4 | 5.4 | | | | | | | | | | | | | | | | | | | | | | |
| 0022ee073164 | 8188 | 5.2 | 5.4 | | | | | | | | | | | | | | | | | | | | | | |
| 0022ee063f7b | 8128 | 5.3.4 | 5.4 | | | | | | | | | | | | | | | | | | | | | | |
| 0022ee0f0207 | 8138 | 5.3.4 | 5.4 | | | | | | | | | | | | | | | | | | | | | | |
| <p>Push Config</p> | <p>Select a configuration file to push configurations onto selected devices. Configuration files can be uploaded using the Configure page.</p>  <p>Partial configuration files are best for bulk configuration updates. See section 6 for more details.</p> <p>If you plan to use multicast, you should not push the same configuration file to all devices. Your sender and receiver devices will require different configurations.</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Set Volume</p> | <p>This action is applicable to speakers and paging adapters.</p> <p>The Ring Volume can be set from -5 to 10.</p> <p>The Page Volume can be set from -5 to 10.</p> <p>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 max, 8 is 6 dB less than max, 7 is 9 dB less than max, etc)</p> | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|---------------|--|
| |  |
| <p>Delete</p> | <p>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.</p> <p>For a connected device, you will see this:</p>  <p>For disconnected device, you will see this:</p>  |

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.



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. |

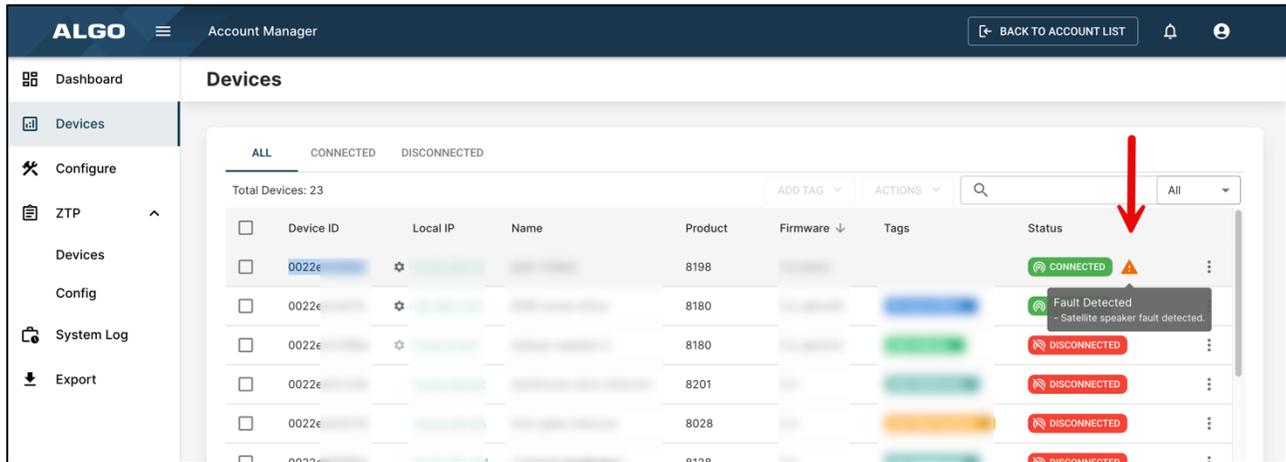
5.3 Accessory Fault Detection

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** → **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.



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 [section 6 on Configuration](#).

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

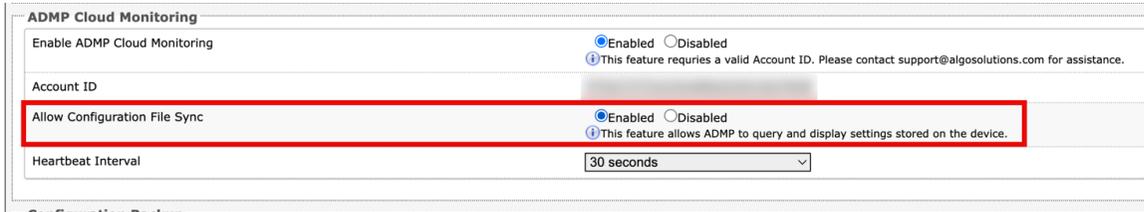
- 8201 IP PoE Intercom
- 8063 IP Door Controller
- 8028 IP Doorphone

Visual Alerters

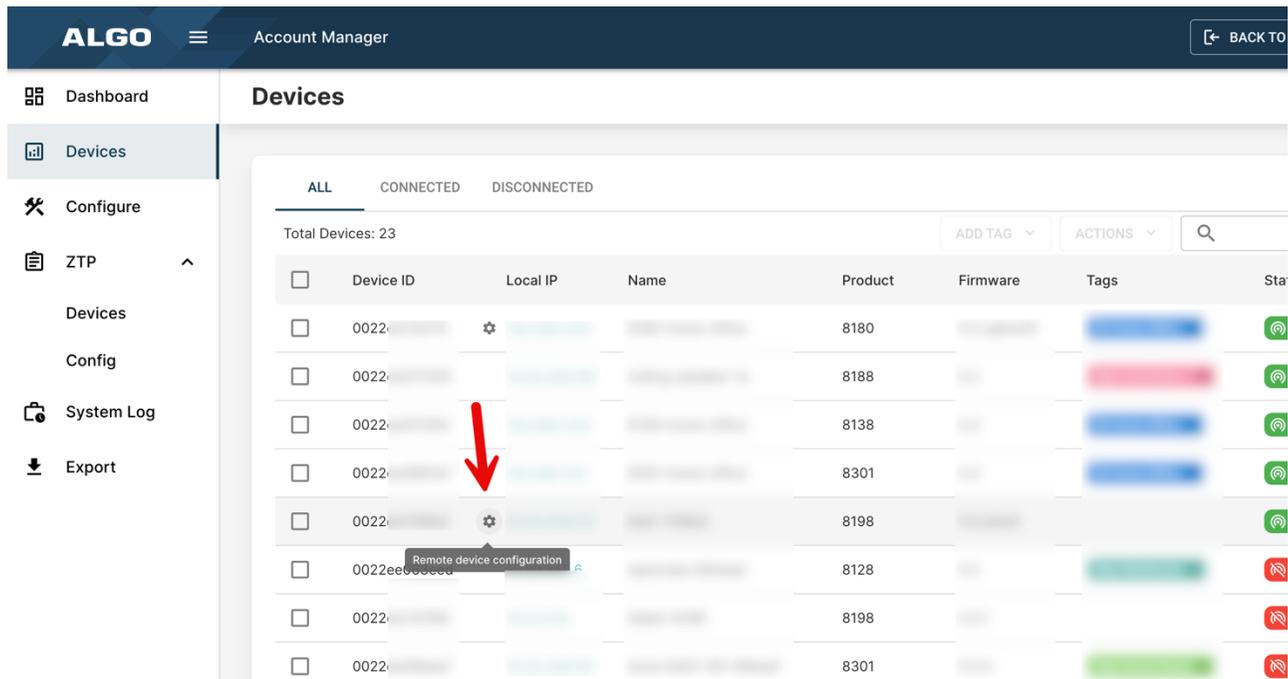
- 8128 IP Visual Alerter
- 8138 IP Color Visual Alerter

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

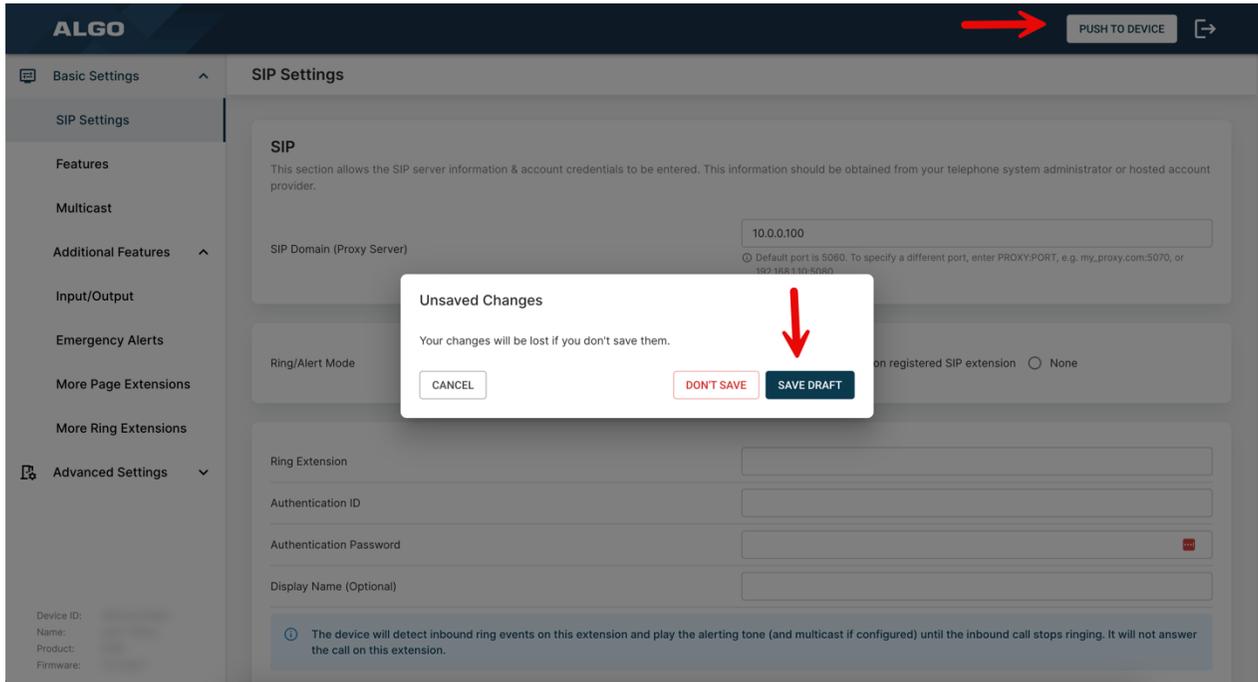
1. Device firmware is using version 5.5_alpha15 or greater
2. The device must have a **Connected** status in ADMP.
3. **Allow Configuration File Sync** under **ADMP Cloud Monitoring** must be enabled on the device's web interface. This can be found on the tab **Advanced Settings** under **Admin** in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



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 will take you to the remote device configuration UI screen. If a gear icon does not appear for a device, the remote device UI is not yet available for the product.

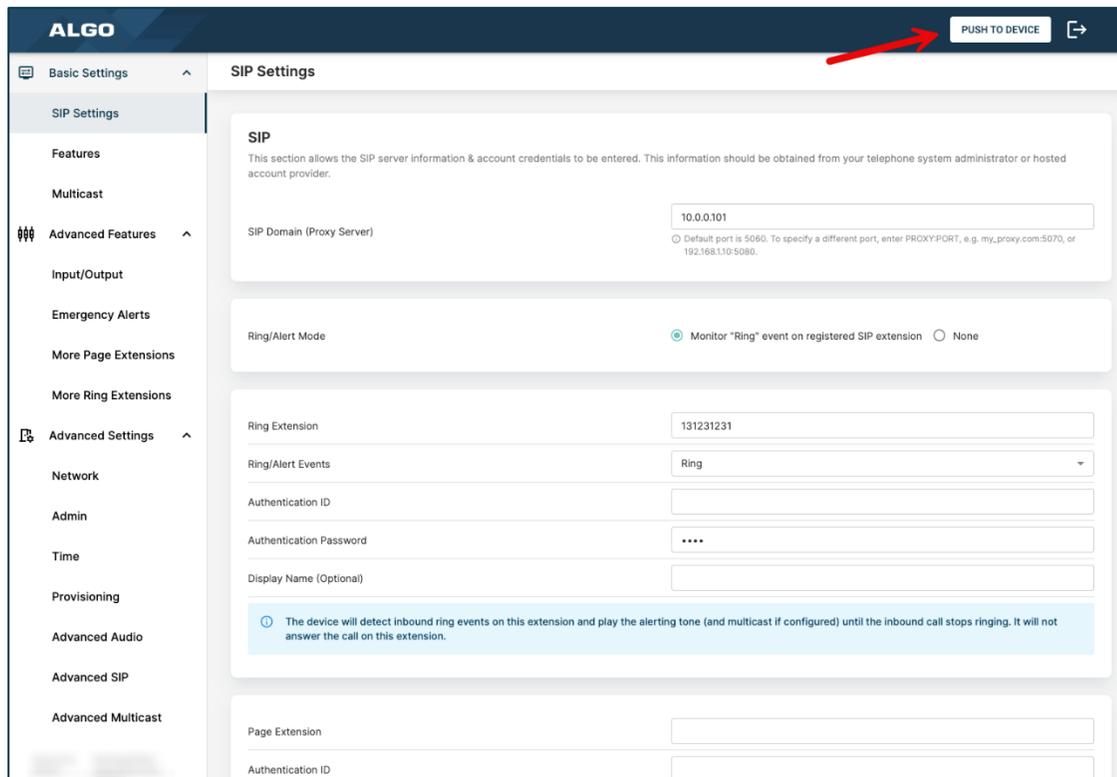


Configurations can be saved as a draft if you attempt to leave the remote device UI without pushing the configuration. Drafts can be re-opened when a user goes back to the remote device UI page.



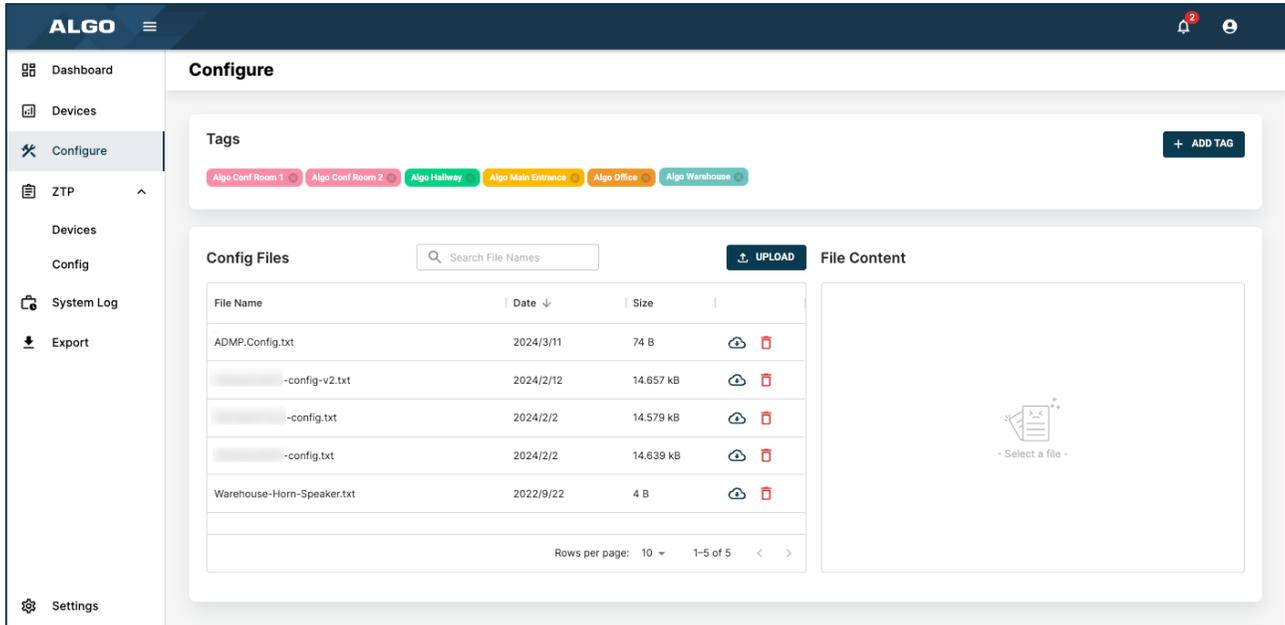
If a user is currently using the remote device UI for a device the device status will appear as **Editing**. If configurations are not saved, the next time a user opens the remote device UI they will have the option to begin editing based on the previous drafted configurations or from the last saved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

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



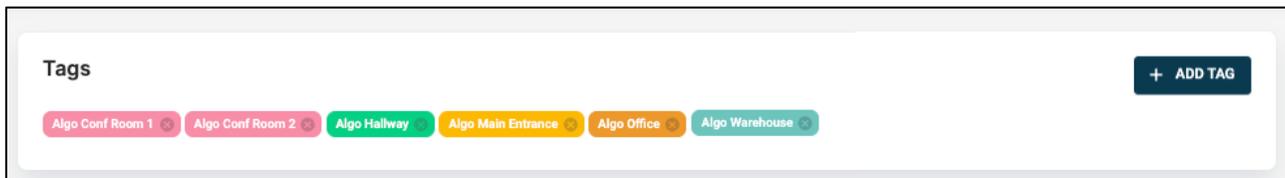
6 CONFIGURE

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.



6.1 Tags

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

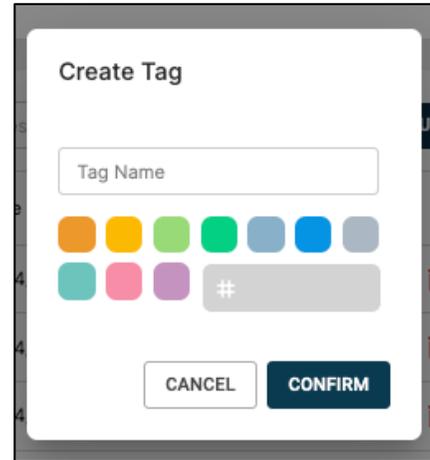


Create New Tag

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**.

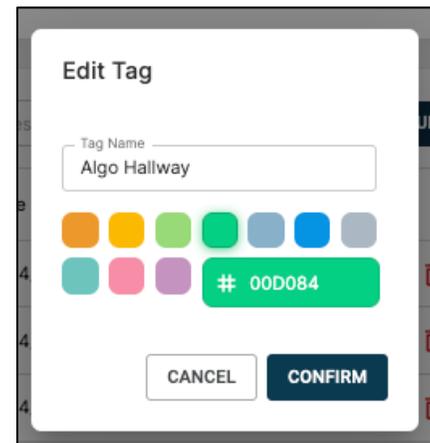


Edit an Existing Tag

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

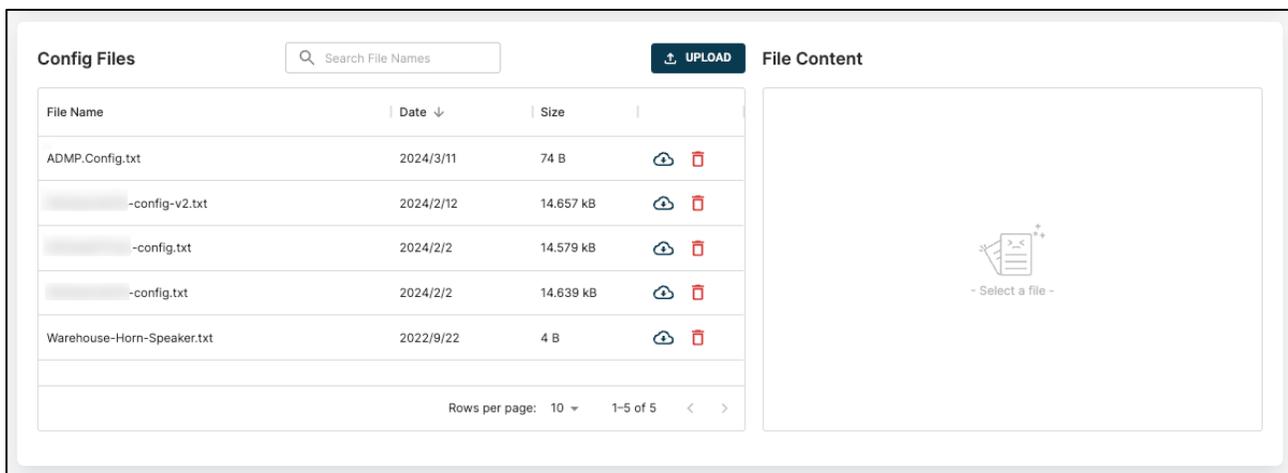
A window will open where you can edit the tag name or change the color. You can enter a Hex color code (ex. #6CC4BD) if you'd like a specific color.

Once complete, click **Confirm**.



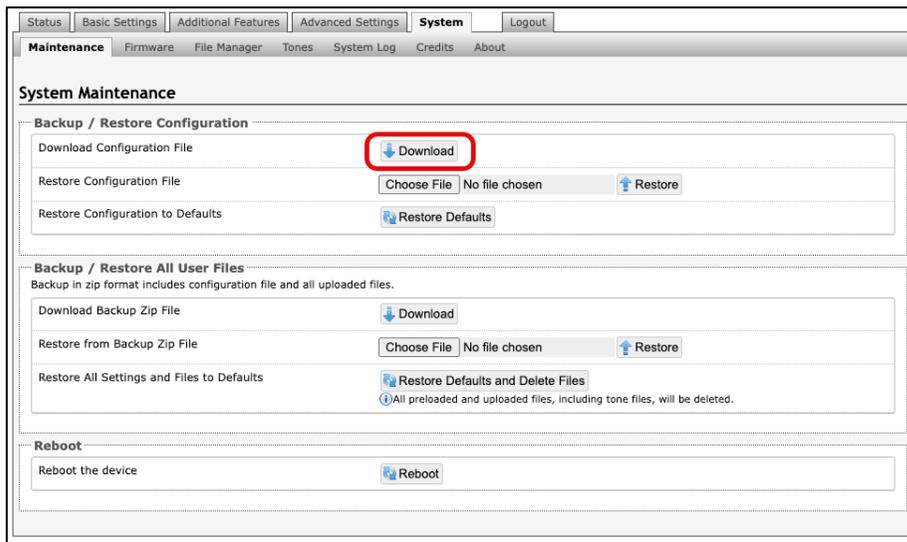
6.2 Config Files and File Content

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 [section 4.1.2](#) for more details.



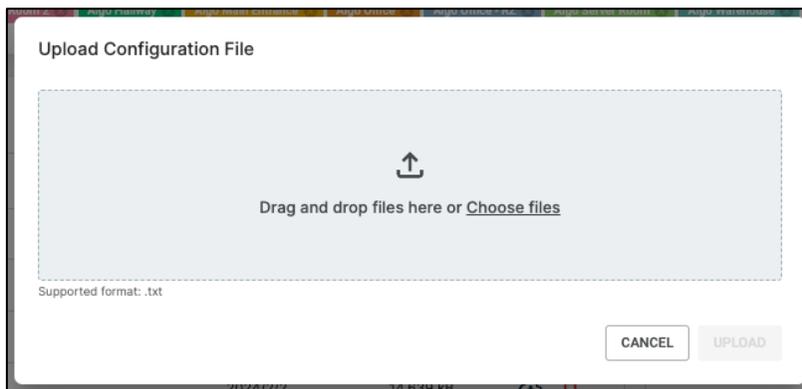
The file can be named anything you would like. However, the following is necessary for a configuration file to be used in ADMP:

- 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**.



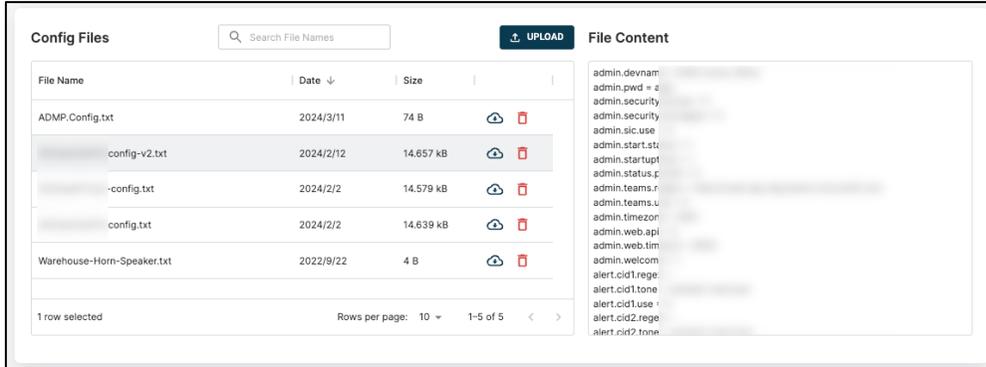
To upload a new configuration file:

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



3. Click **Upload**

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



- To assign a configuration file to a device, use the **Devices** page and the action **Push Config**. See [section 4.1.2](#) for more details.

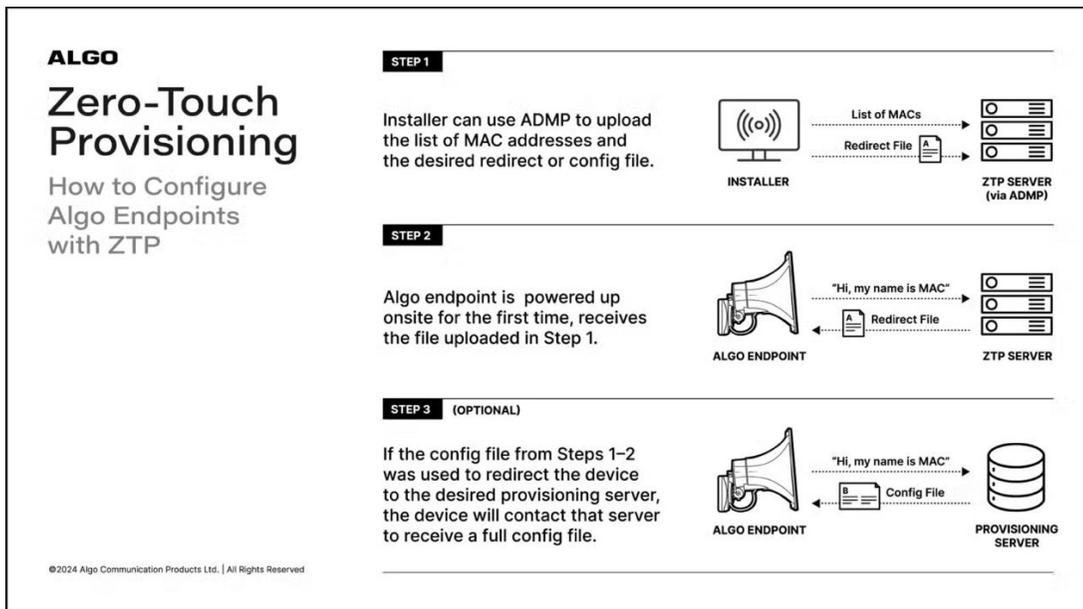
7 ZTP

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.

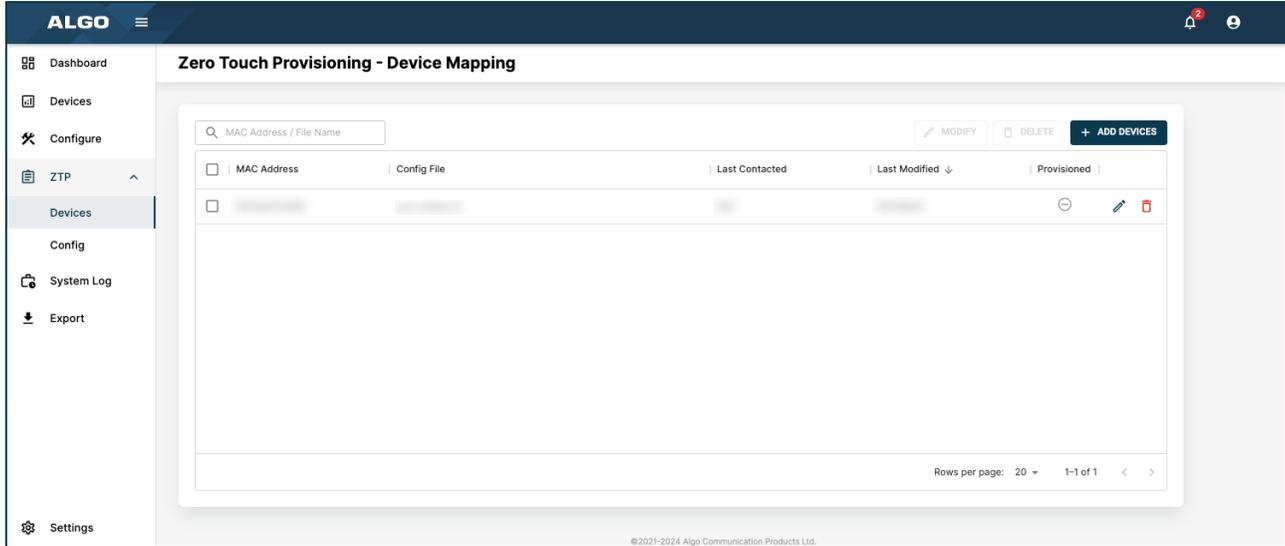
Algo devices have ZTP enabled by default. This setting is disabled as soon as you begin to manually configure a device. ZTP is only active when a device is first installed or after a device has been factory reset.

Use the [ZTP request form](#) 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

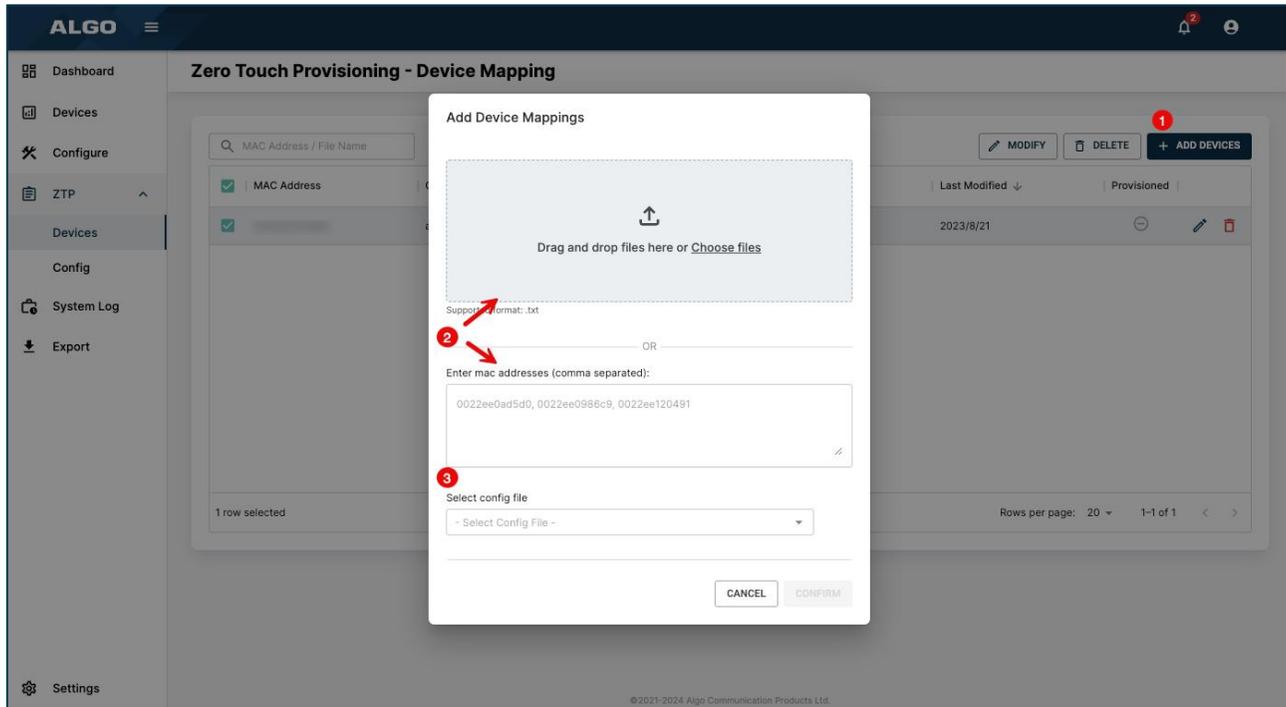
The Device Mapping page is used to map devices to configuration files. When using ZTP, once a MAC address has been claimed by an ADMP account, it cannot be claimed by another. If the MAC address is removed from ADMP, it may be claimed by another account.



| | |
|----------------|--|
| MAC Address | The MAC address of an added device. A device MAC address can be found on the Status → 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:

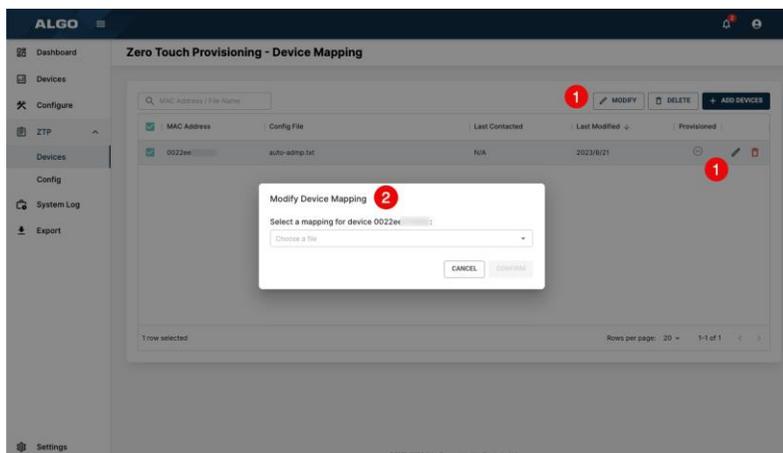
1. Click **+ Add Devices**
2. A new window will pop up. Upload a .txt file containing a list of MAC addresses for your devices or enter the list of MAC addresses directly into the window with comma-separated values.
3. Select a configuration file from the drop-down menu. These files can be added and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



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** → **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.

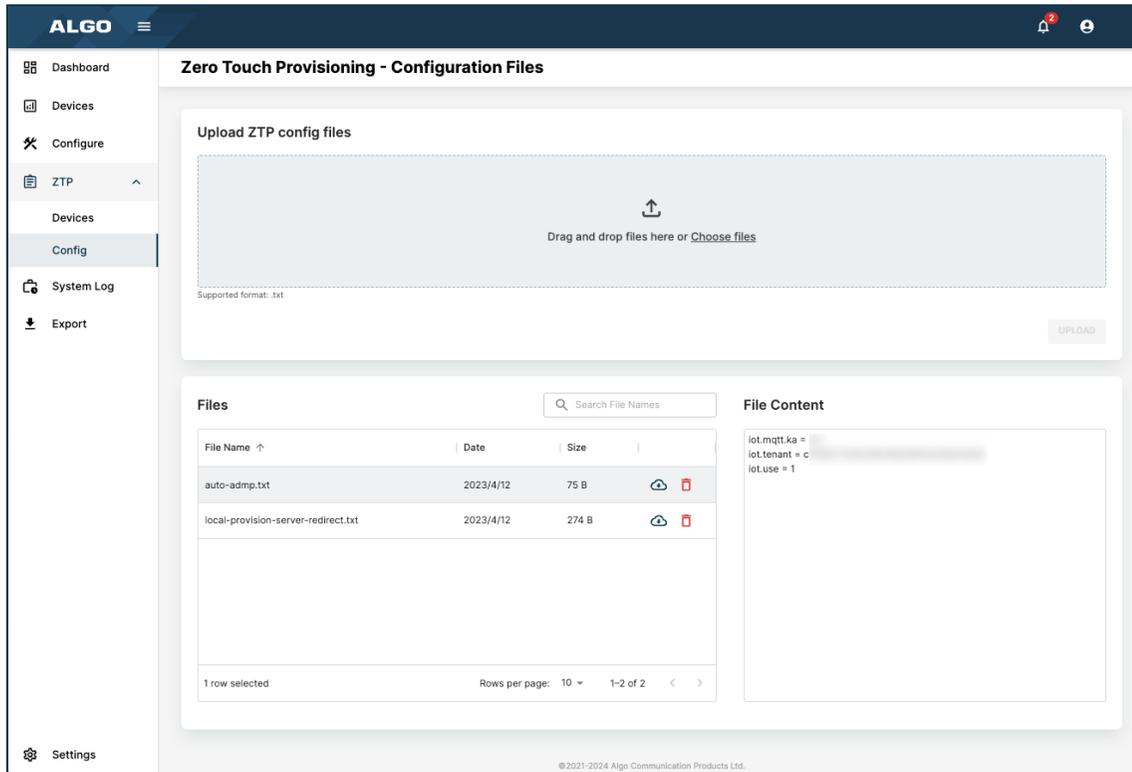
Algo's ZTP service is primarily meant to be used as a redirection service to your provisioning server. While it will accept files containing additional settings such as SIP parameters, it is not meant for this purpose.

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
```

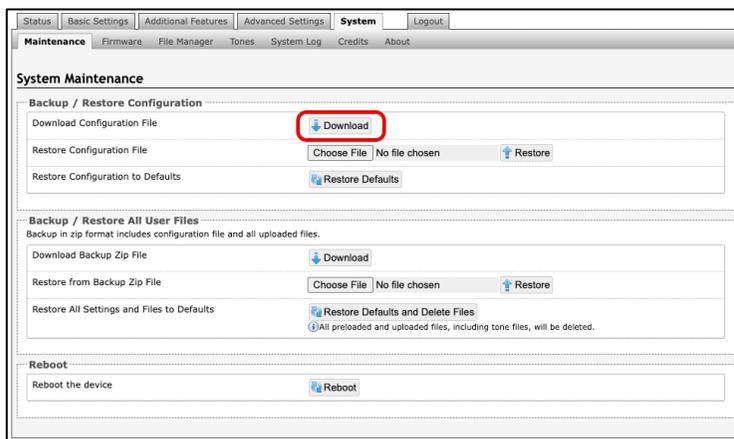
To enable ADMP cloud monitoring on your device, your configuration file should contain:

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



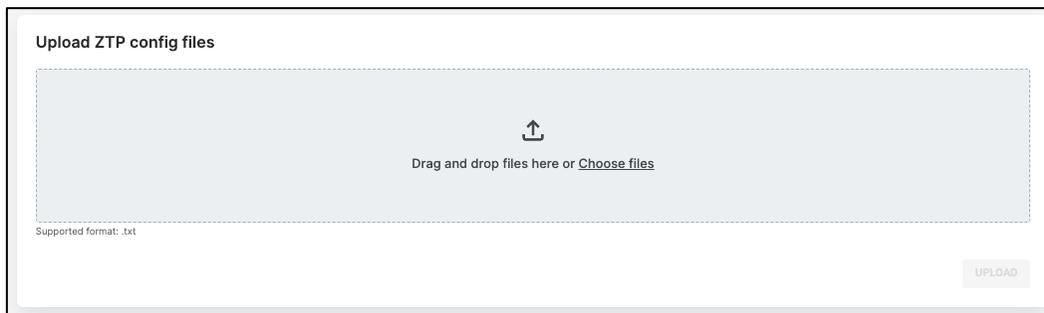
The following is necessary for a configuration file to be used for ZTP:

- 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**.

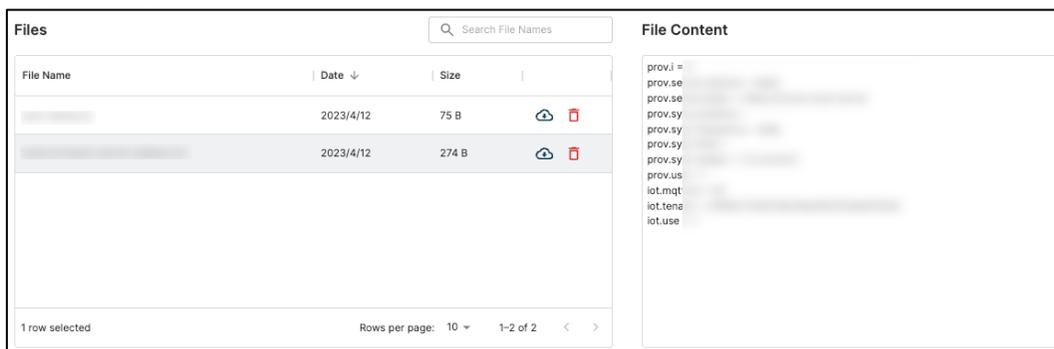


To upload a new configuration file:

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



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



4. To assign a configuration file to a device, use the **ZTP** → **Devices** page. See [section 6.1](#) 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.

System Logs

ADMP System Logs are stored for 1 year

EXPORT REFRESH

| Timestamp | Action Type | Initiator | Description |
|-----------------------|-------------------------|---------------------|--|
| 2024-09-19 2:05:29 PM | INIT REMOTE CONFIG | @algosolutions.com | Successfully initiated remote configuration for device: [REDACTED] |
| 2024-09-05 9:41:56 AM | INIT REMOTE CONFIG | g@algosolutions.com | Successfully initiated remote configuration for device: [REDACTED] |
| 2024-09-05 9:41:05 AM | PUSH REMOTE CONFIG | g@algosolutions.com | Successfully pushed configuration to device: [REDACTED] |
| 2024-09-05 9:40:36 AM | INIT REMOTE CONFIG | g@algosolutions.com | Successfully initiated remote configuration for device: [REDACTED] |
| 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: [REDACTED] |
| 2024-09-05 8:24:07 AM | DEVICE UPGRADE | g@algosolutions.com | Device [REDACTED] 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: [REDACTED] |
| 2024-07-05 8:36:01 AM | DEVICE CONFIG DOWNLOAD | @algosolutions.com | Config file: [REDACTED]-config.txt downloaded from [REDACTED] |
| 2024-07-05 8:35:10 AM | DEVICE SYSLOG DOWNLOAD | @algosolutions.com | Syslog file: [REDACTED]-syslog.txt downloaded from [REDACTED] |
| 2024-07-02 3:19:54 PM | DEVICE REBOOT | @algosolutions.com | Reboot action triggered for the following device: [REDACTED] |
| 2024-07-02 2:59:53 PM | DEVICE REMOVE TAG | @algosolutions.com | Tag Sample Tag removed from the following device: [REDACTED] |
| 2024-07-02 2:59:21 PM | DEVICE ADD TAG | @algosolutions.com | Tag Sample Tag assigned to the following device: [REDACTED] |
| 2024-06-28 1:35:02 PM | GENERATE DEVICE BACKUPS | @algosolutions.com | Device configurations backup generated for exportation |

Settings ©2021-2024 Algo Communication Products Ltd.

Recorded device details include:

| | |
|--|--|
| <ul style="list-style-type: none"> • Test tone • Reboot • Upgrade • Push configuration • Set volume | <ul style="list-style-type: none"> • Add or remove tag • Monitor or unmonitor • Delete • System log download • Configuration download |
|--|--|

Additional ADMP details include:

| | |
|---|--|
| <ul style="list-style-type: none"> • Create or delete configuration file • Create or delete ZTP file • Create or delete ZTP mapping • Create, delete, or update tag | <ul style="list-style-type: none"> • Generate device backups • Push or initiate remote configuration • Upload, delete, or move file |
|---|--|

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:

| | |
|--|---|
| <ul style="list-style-type: none"> • Device tone tested • Device upgraded • Device configuration pushed • Device volume set • Device tag added or removed • Device set to monitor or unmonitor • Device deleted • Device system log downloaded | <ul style="list-style-type: none"> • Device configuration downloaded • Configuration file created or deleted • ZTP file created or deleted • ZTP mapping created or deleted • Tag created, updated, or deleted • Device configuration backup generated • Remote configuration pushed • File uploaded, moved, or deleted |
|--|---|

It should be noted that:

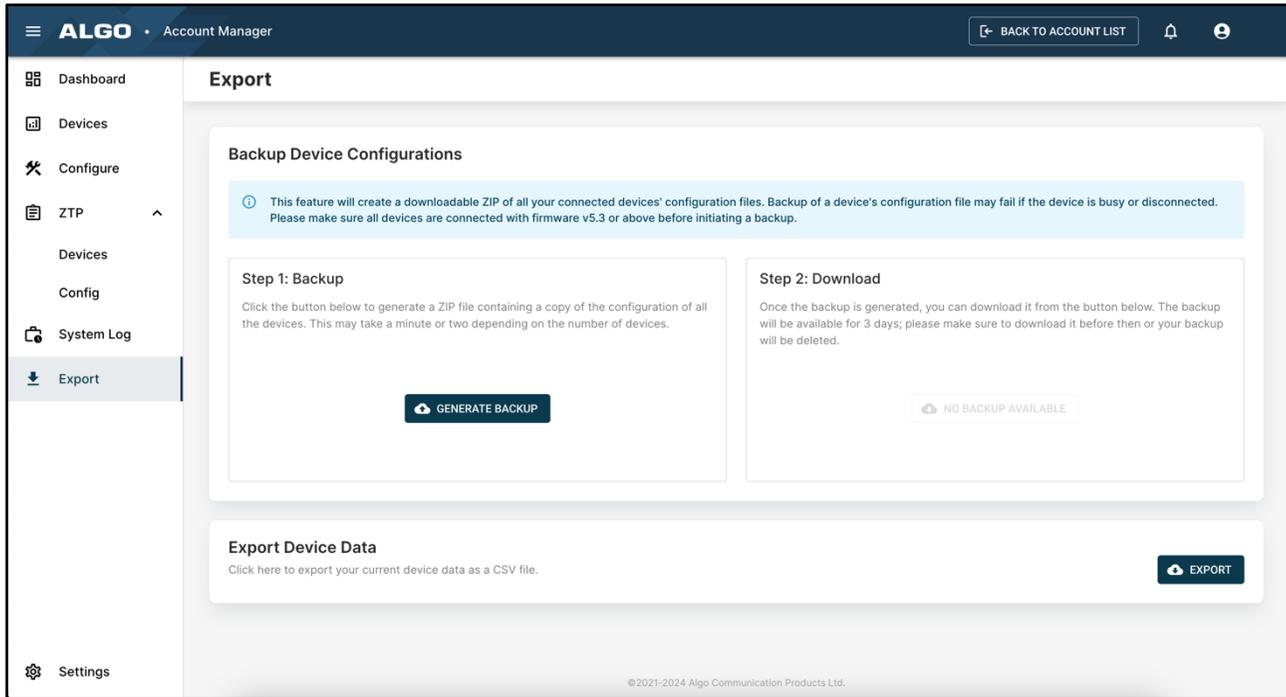
- All ADMP account users will have access to the System Log
- Actions that have failed will not be reported in the System Log
- Details at the specific device level will not be reported (ex. accessory fault detection)

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.



To create a backup folder to export:

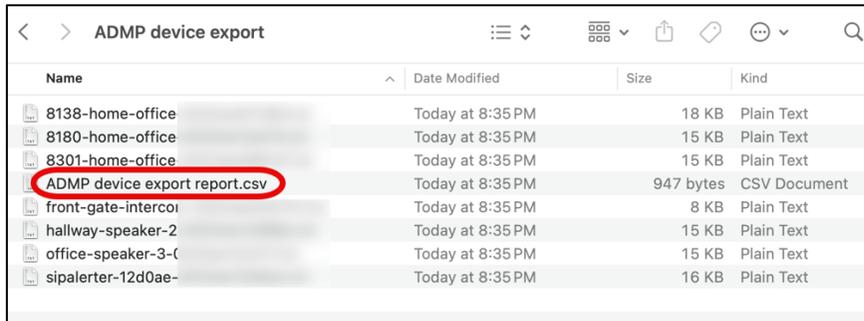
1. Under **Step 1: Backup**, click **Generate Backup** to generate a ZIP file containing a copy of the configuration of all the devices. This may take a minute or two depending on the number of devices. After clicking **Generate Backup**, the button will spin indicating the file is loading.



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.



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**



| Name | 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)

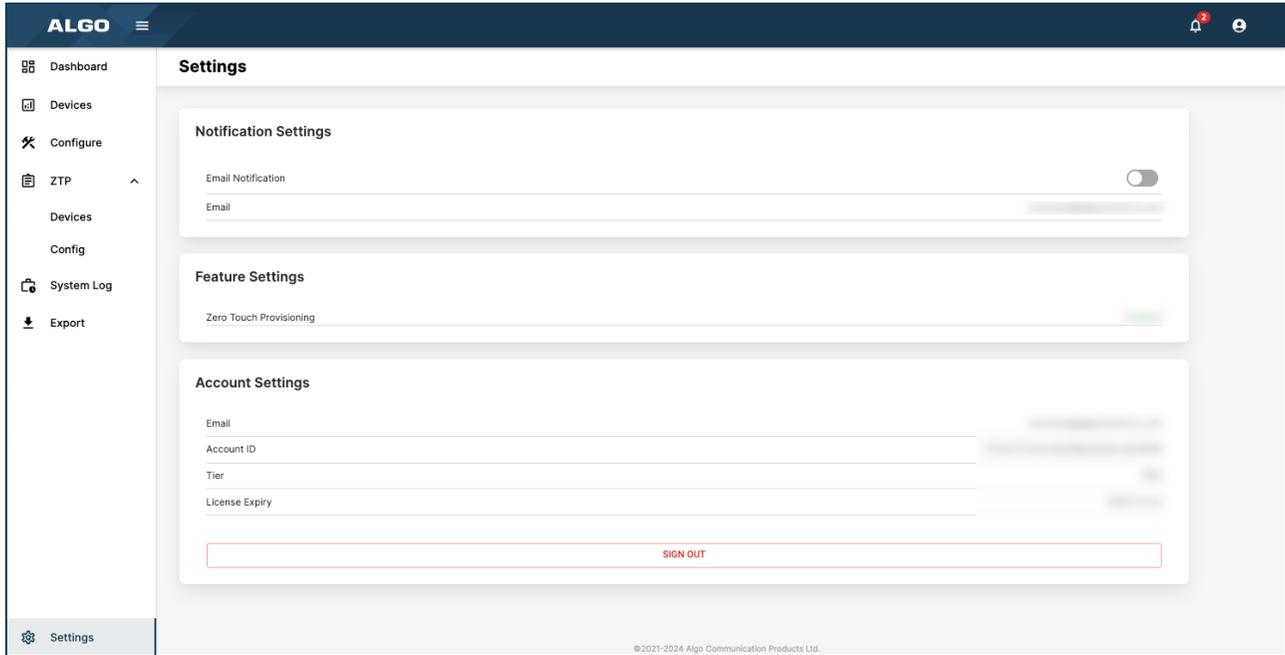
To enable export device data and all beta features, please reach out to the Algo support team at support@algosolutions.com.

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.



10.1 Notification Settings

| | |
|--------------------|---|
| Email Notification | <p>Turn on to receive email notifications about:</p> <ul style="list-style-type: none"> • 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 | <p>The individual user email address used to log into the ADMP account. This is a read only field and cannot be edited.</p> |

10.2 Feature Settings

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

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 section 2.1 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. |