

**Algo Device Management Platform**

**ADMP**

**User Guide**



# Algo Device Management Platform (ADMP)

## User Guide

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.

### 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.algo<br>solutions.co<br>m    | TCP  | Monitoring and<br>management                          | HTTPS,<br>MQTT, TLS | TLS 1.2  | 443  |
| files.cloud.al<br>gosolutions.c<br>om  | TCP  | File transfer   | HTTPS,<br>TLS       | TLS 1.2  | 443  |
| dinfo.cloud.al<br>gosolutions.c<br>om  | TCP  | Advanced<br>device status<br>and relay<br>supervision | HTTPS,<br>TLS       | TLS 1.2  | 443  |
| d1ma5gprn1j2<br>rk.cloudfront.<br>net/ | TCP  | Pushing<br>configurations                             | HTTPS,<br>TLS       | TLS 1.2  | 443  |

# Setup

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

## Account Tiers

There are three types of ADMP accounts:

|                  |   |
|------------------|---|
| <b>Trial</b>     | 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 <a href="https://www.algosolutions.com/admp-demo-license/">https://www.algosolutions.com/admp-demo-license/</a> .   |
| <b>Pro</b>       | 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 <a href="https://www.algosolutions.com/product/admp/">https://www.algosolutions.com/product/admp/</a> . |
| <b>Perpetual</b> | A Perpetual account is available for Algo Authorized Integrators. To learn more about the Algo Authorized Integrator Program, visit <a href="https://www.algosolutions.com/integrator/">https://www.algosolutions.com/integrator/</a> .   |

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.

## Users

Two kinds of users can access an ADMP account:

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

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](mailto:support@algosolutions.com) for assistance.

## 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.

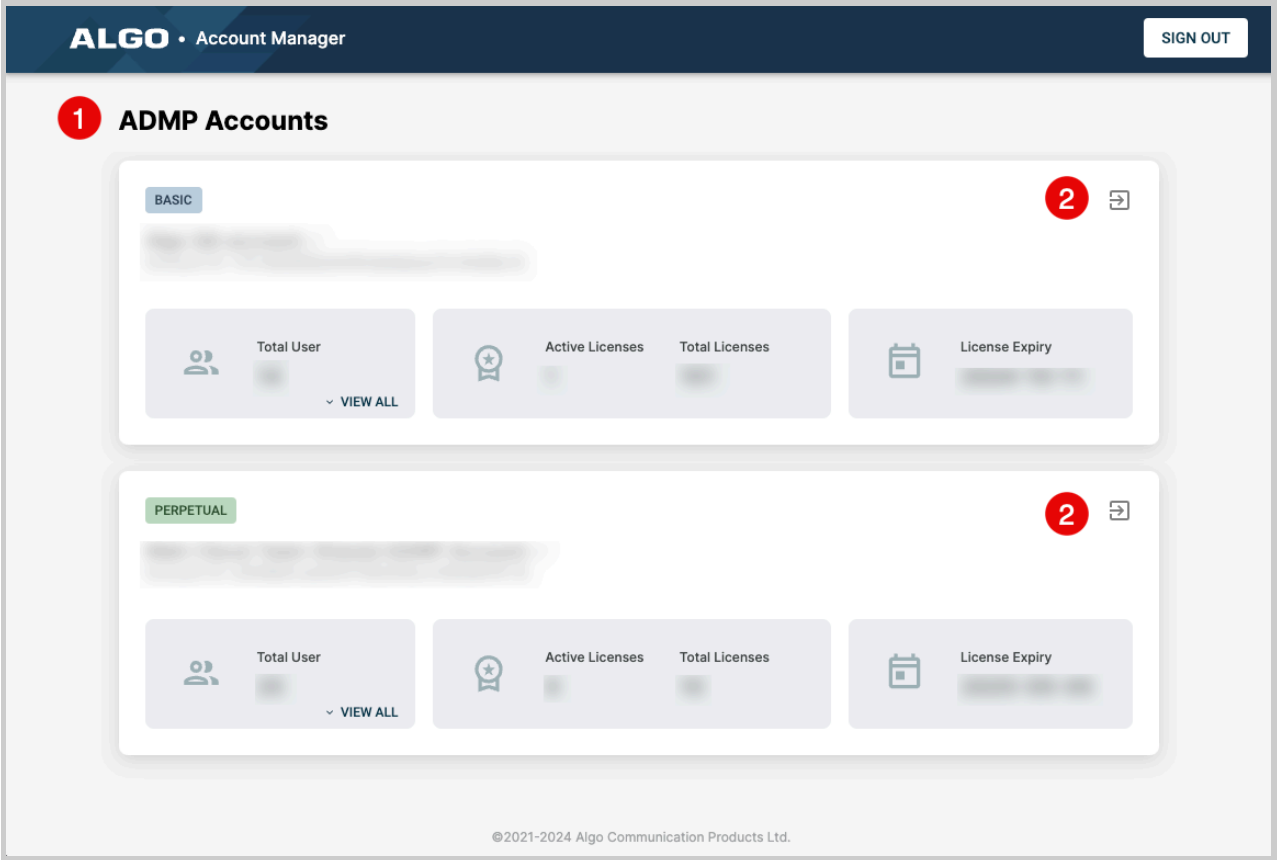
You may purchase additional device licenses through an Algo reseller, distributor, or on the Algo website here: <https://www.algosolutions.com/product/admp/>.

## Multi-Tenant

To enable multi-tenancy, please reach out to the Algo support team at [support@algosolutions.com](mailto: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.

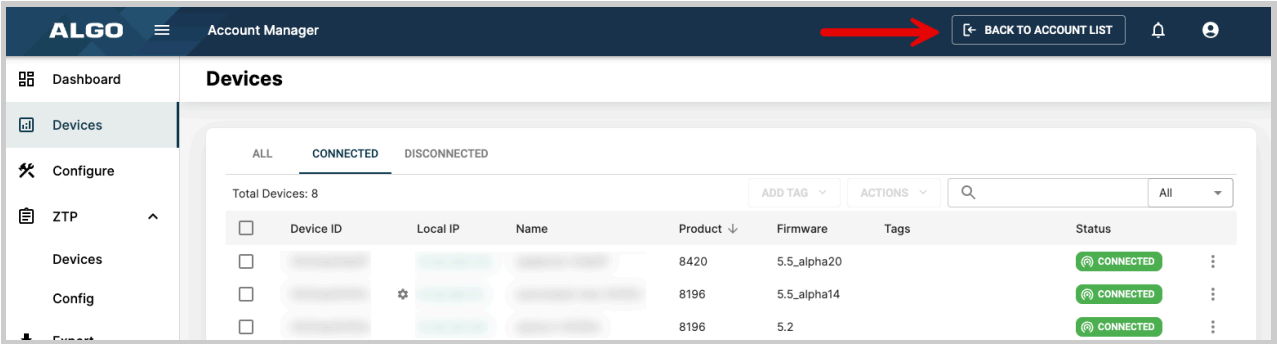
You can view all ADMP tenant accounts from the Account Manager page when you log on (1). Click the enter icon (2) on a tenant account to access them.



Within each tenant account, users have the ability to:

| User Type        | Actions  |
|------------------|--|
| Administrator    | <ul style="list-style-type: none"><li>• Add users and configure user permissions (manage, view only, ZTP)</li><li>• Change the display name</li><li>• Search for users and account title to see who has access to multiple tenant accounts</li></ul> |
| Additional Users | <ul style="list-style-type: none"><li>• Notification preferences</li></ul>   |

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@algosolutions.com](mailto:support@algosolutions.com)

## Single Sign-On

To enable SSO, please reach out to the Algo support team at [support@algosolutions.com](mailto: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.

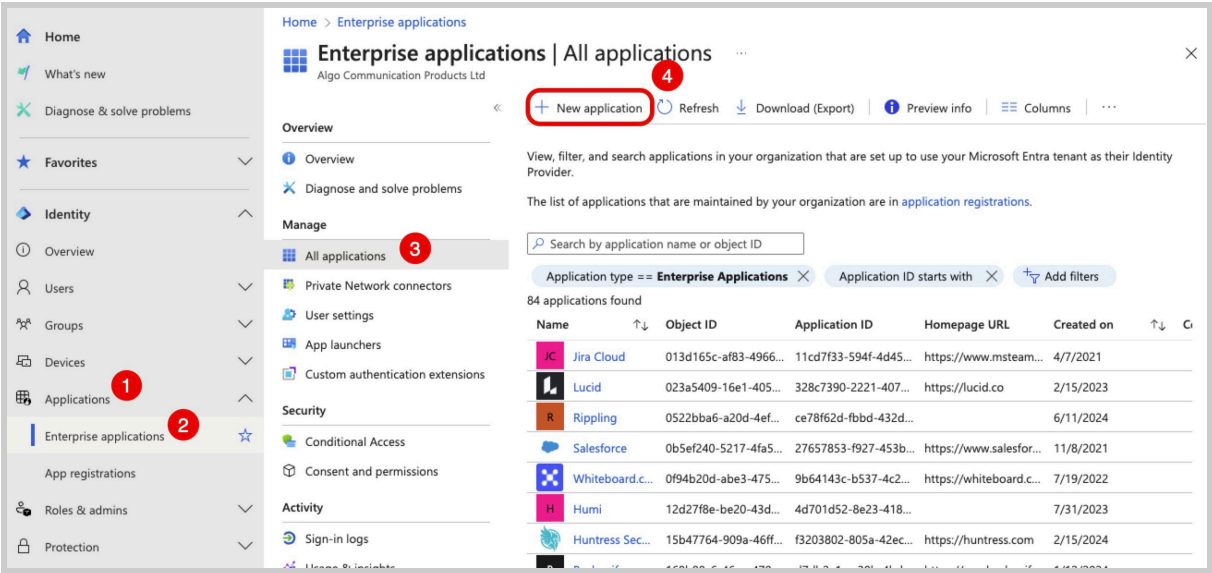
However, a main account and tenant account may use separate Azure ADs allowing SSO to be used for both a main account login or a single tenant login.

## SSO Set Up

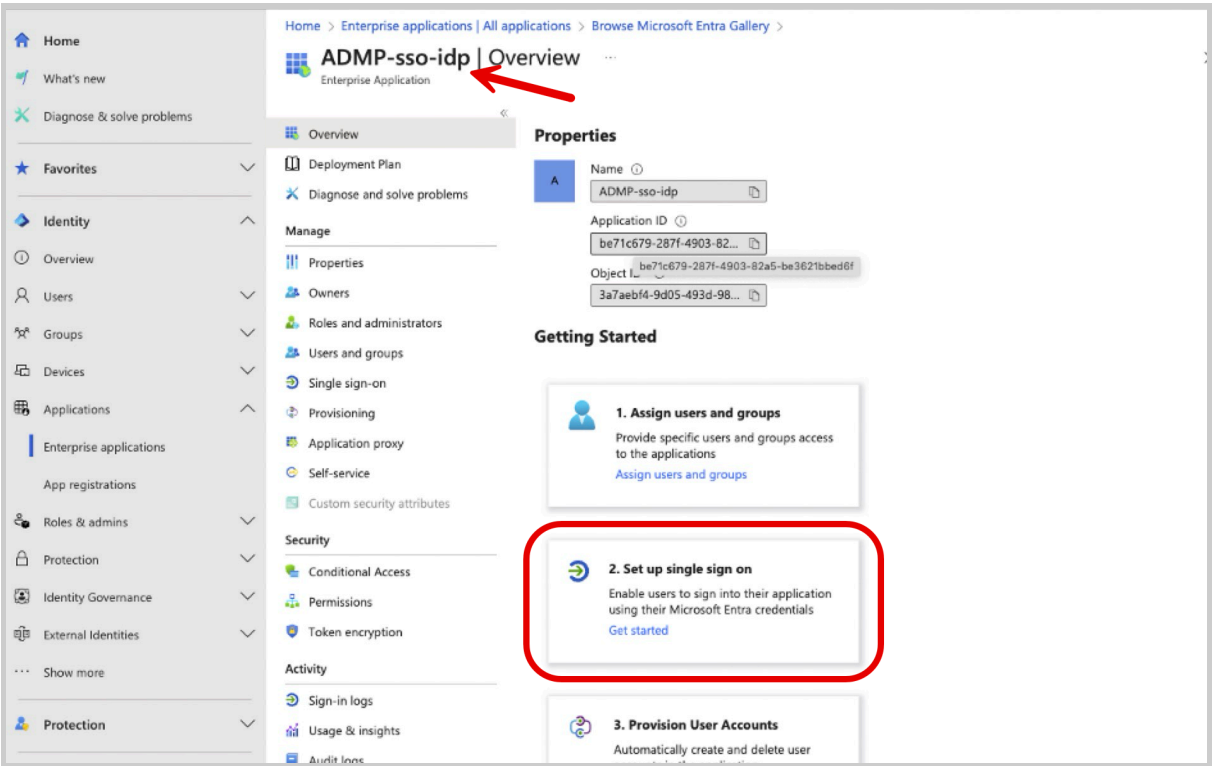
Before setting up SSO, it should be noted that user with SSO will no longer be able to log in using a password. Only one log in option can be applied to an account.

To set up SSO:

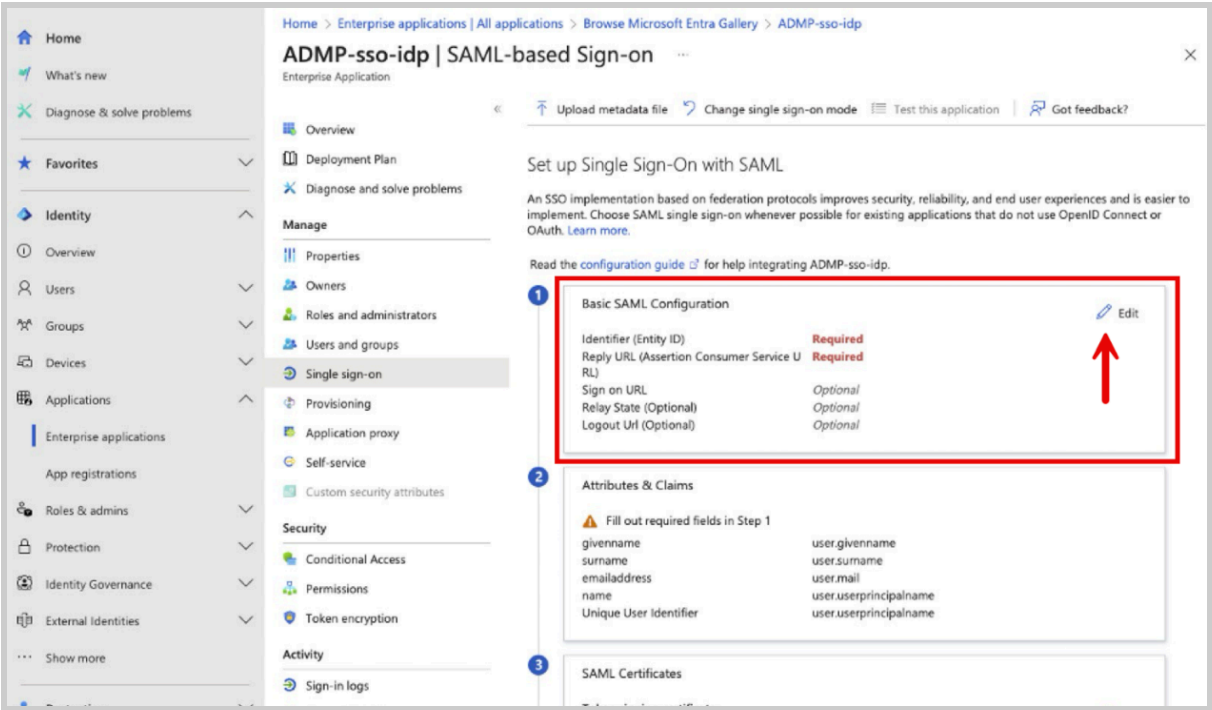
1. Sign in to the [Microsoft Entra admin center](#) as at least a [Cloud Application Administrator](#).
2. On the right navigation, go to **Applications** → **Enterprise applications**.
3. Click **All applications** then **+ New Application** above the Application table.



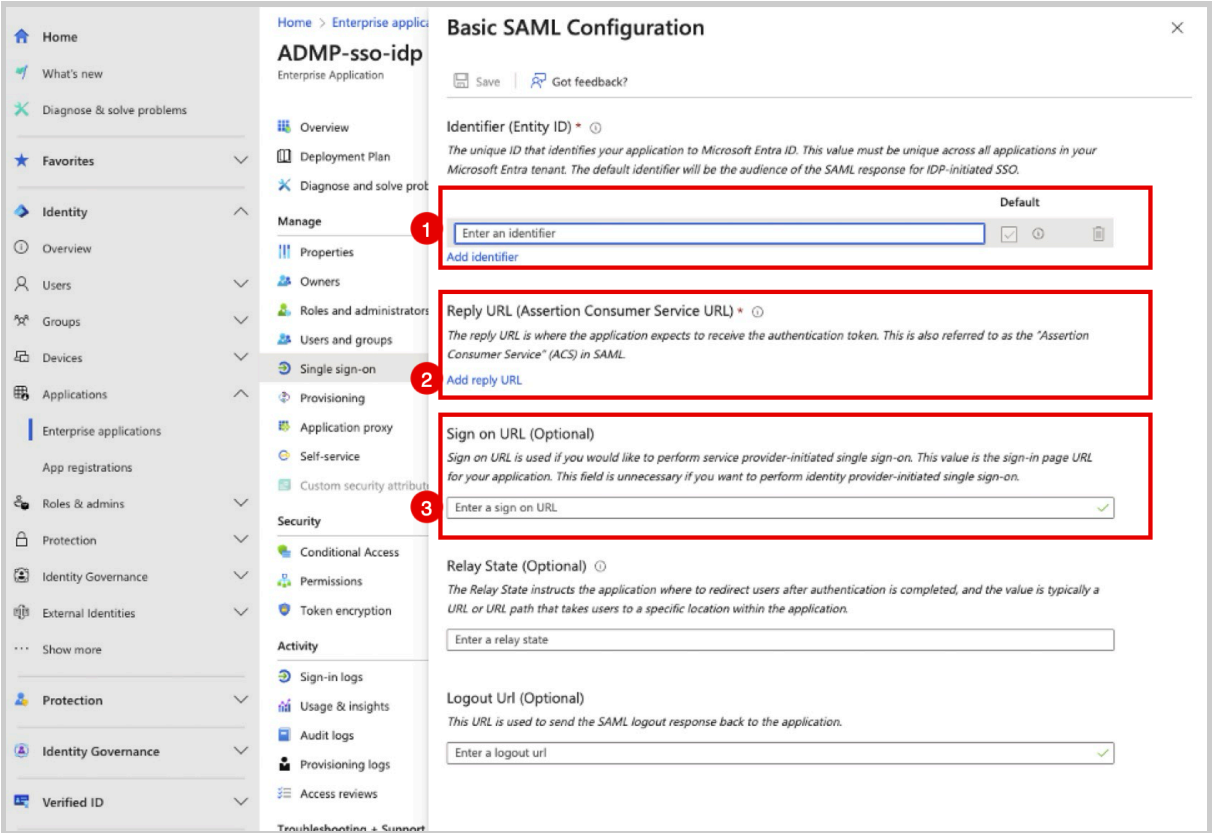
- 4. Click **+ Create your own application** near the top of the Entra App Gallery. Add an application name, for example: *admp-sso-idp*
- 5. Select **Integrate any other application you don't find in the gallery (Non-gallery)**.
- 6. Click **2. Set up single sign on** then select **SAML** as the single sign on method.



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



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`

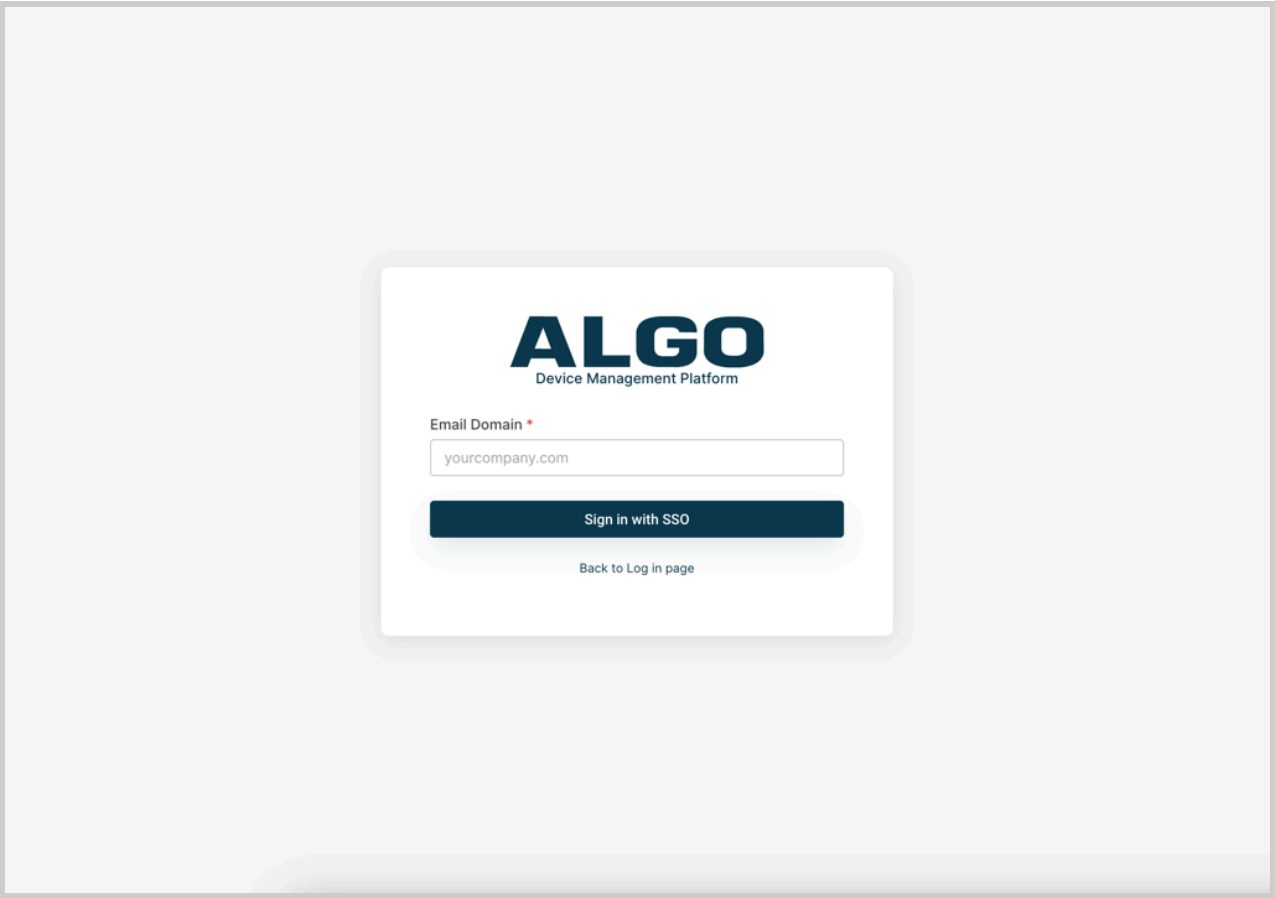


9. Under **Users and groups** add a whitelist of users who will have access to ADMP by clicking **+ Add user/group**.
10. On the **Single sign-on** page in box 3 – **SAML Certificates**, copy the **App Federation Metadata URL**. For example:
- `https://login.microsoftonline.com/0c75c18e-6cc6-4357-8d98-be14822aea18/federationmetadata/2007-06/federationmetadata.xml?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.

## 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.

## Troubleshooting

If there is an error when trying to sign into a Microsoft account via SSO, please review the following options for troubleshooting or contact [support@algosolutions.com](mailto:support@algosolutions.com).

### Capital Letters in Email Addresses

Errors with SSO may occur if email addresses use capital letters. To automatically transform all emails to lowercase:

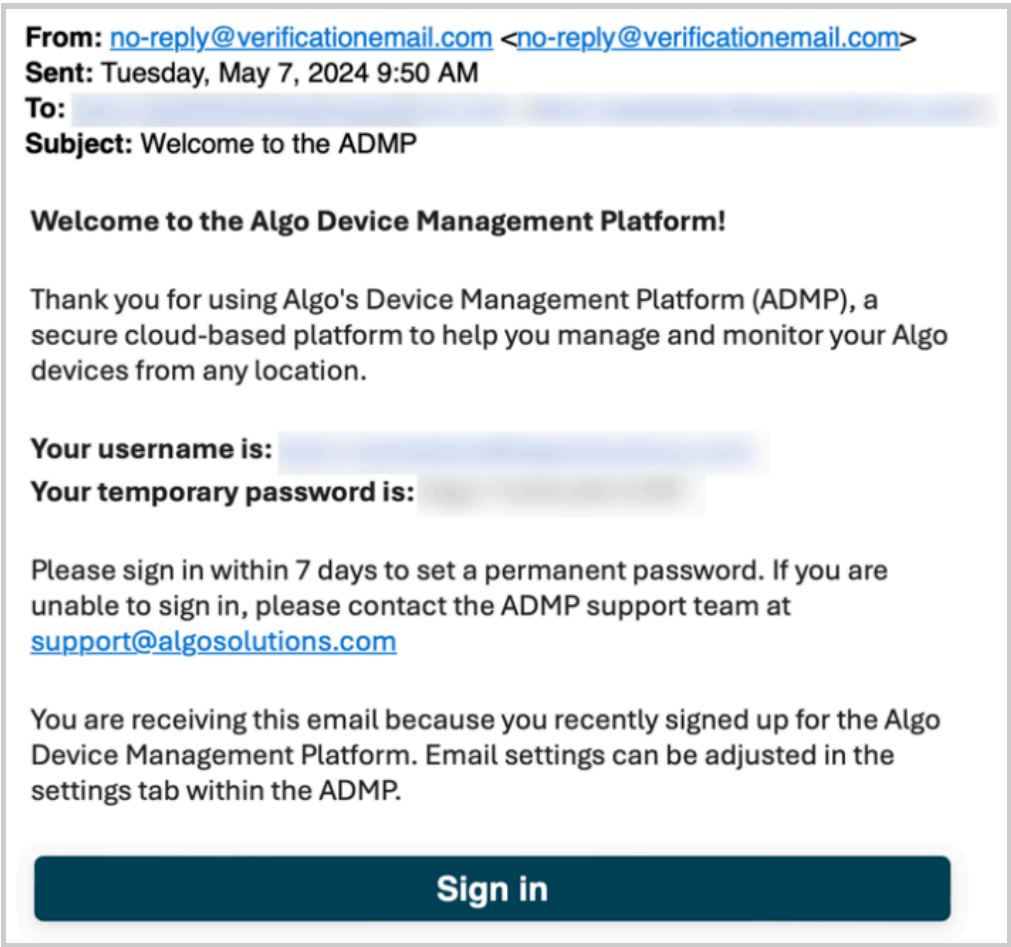
1. Open your ADMP application in Microsoft Entra Admin Center.
2. Under **Manage** → **Single Sign-On**, open Attributes & Claims.



- 3. Click on the **Unique User Identifier** and change the **Source** to **Transformation**.
- 4. Change the **Transformation** to **ToLowercase()**.
- 5. Click **Add**.

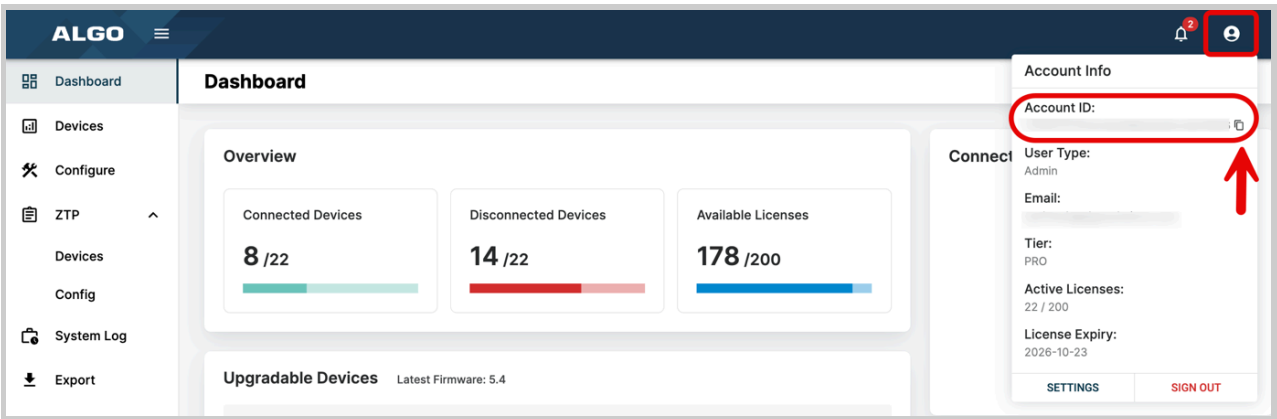
## Getting Started

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.

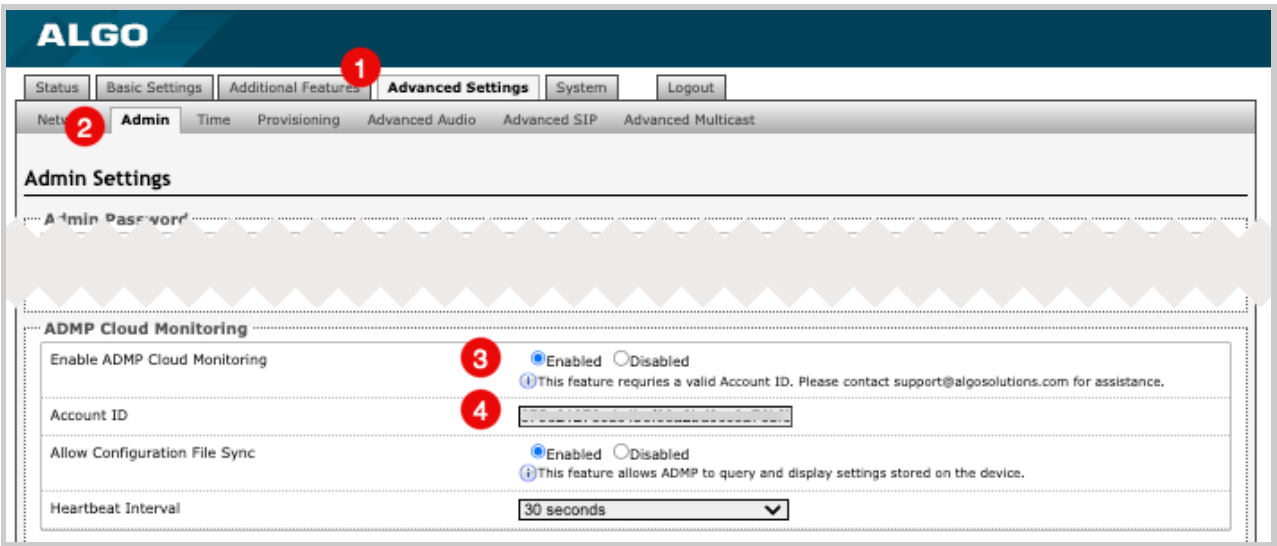


# Connect an Algo IP Device to ADMP

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

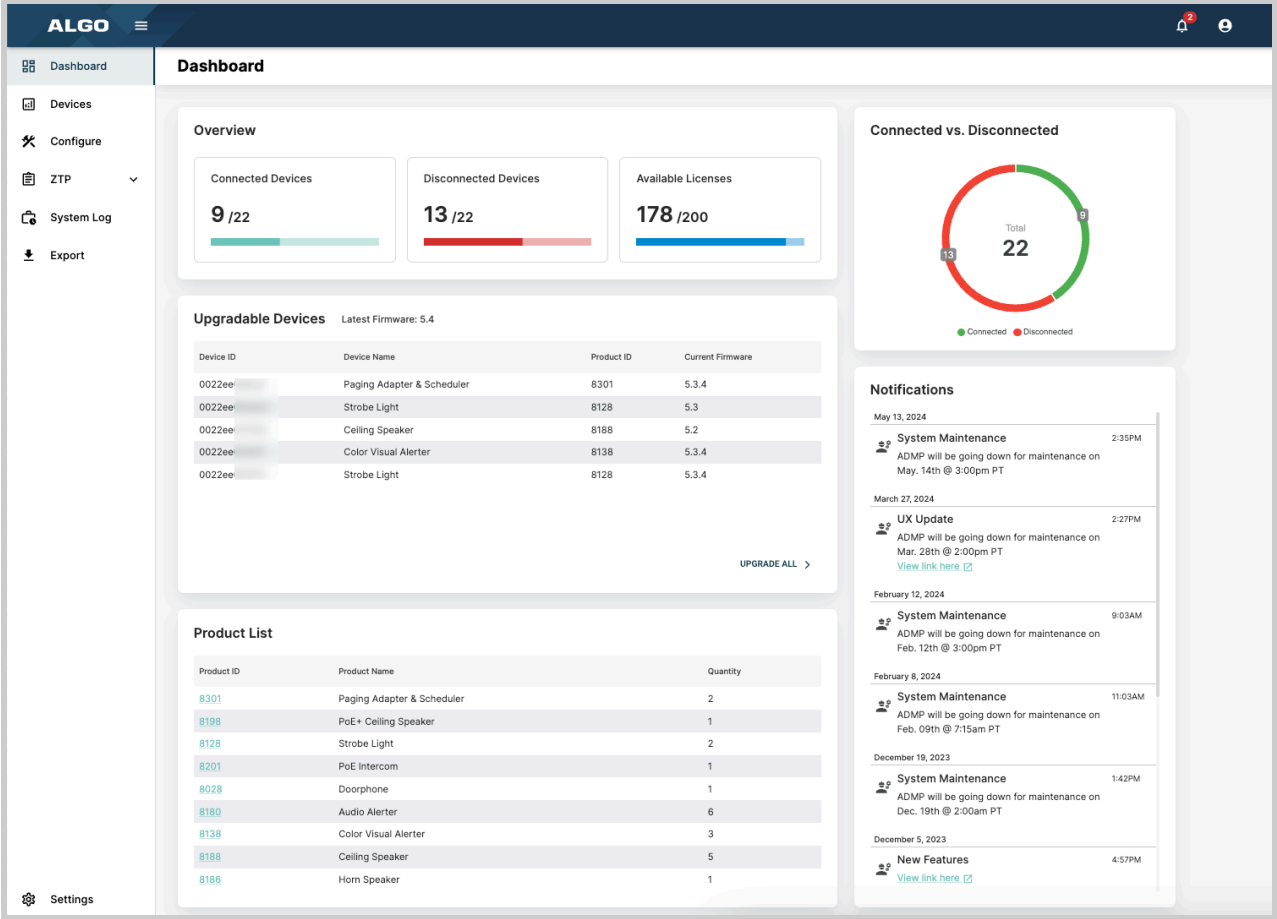


Configure the additional settings as preferred. Once complete, click **Save** at the bottom of the page.

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.

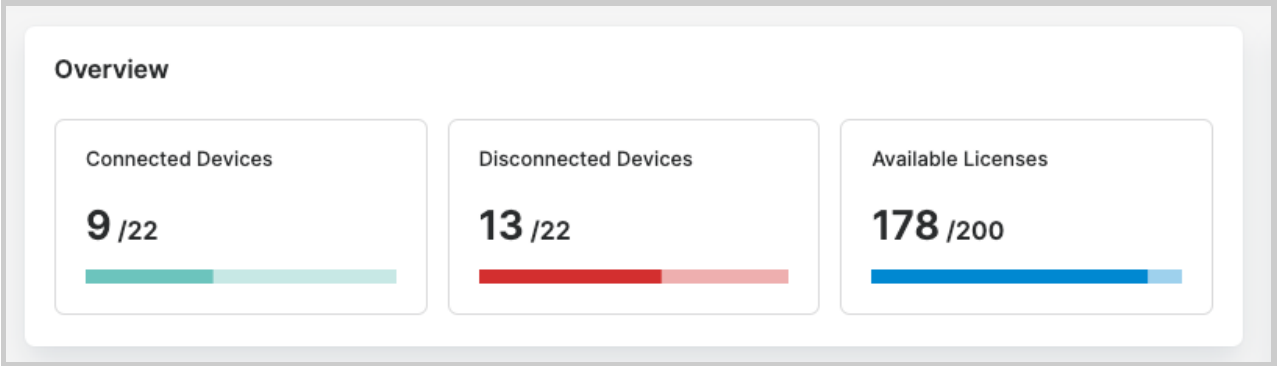
## Dashboard

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.



# 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.                               |

# Upgradeable Devices

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

Upgradable Devices

Latest Firmware: 5.4

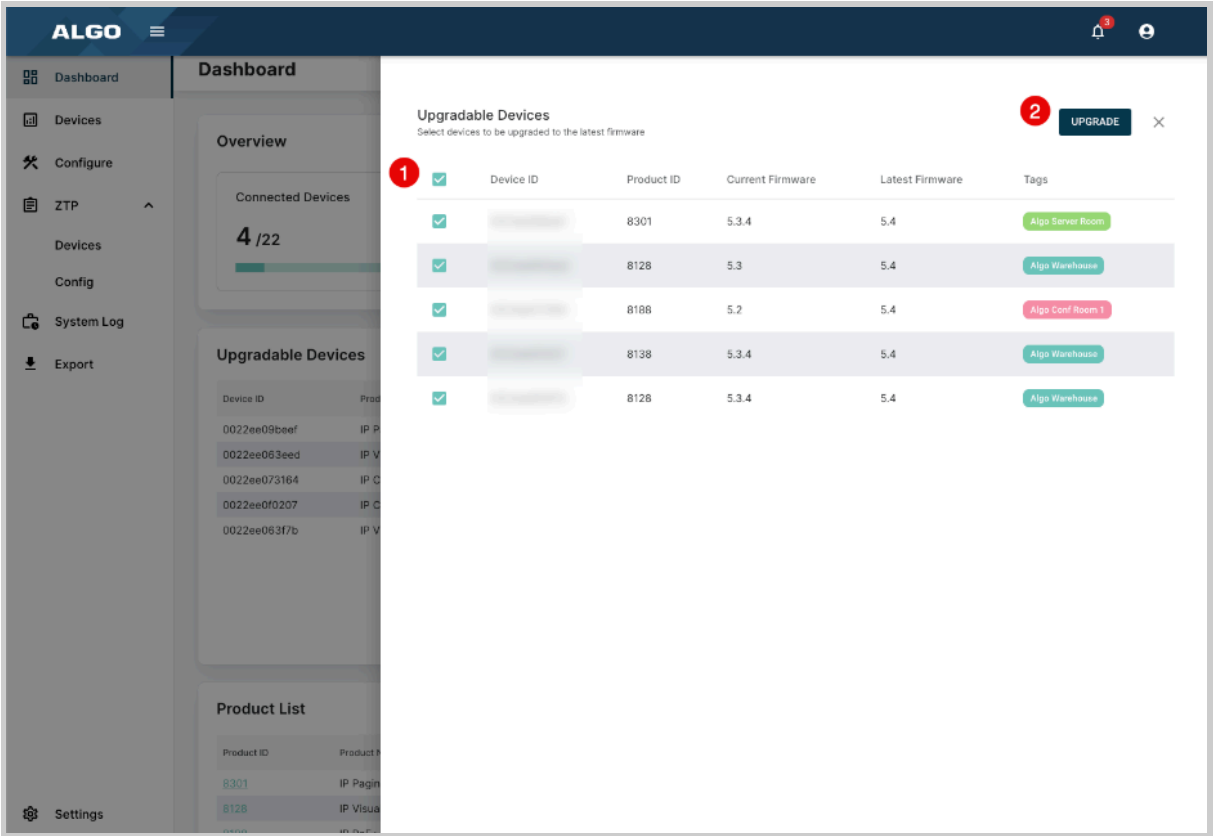
| Device ID | Device Name                | Product ID | Current Firmware |
|-----------|----------------------------|------------|------------------|
| 0022ee    | Paging Adapter & Scheduler | 8301       | 5.3.4            |
| 0022ee    | Strobe Light               | 8128       | 5.3              |
| 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:

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



# Product List

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

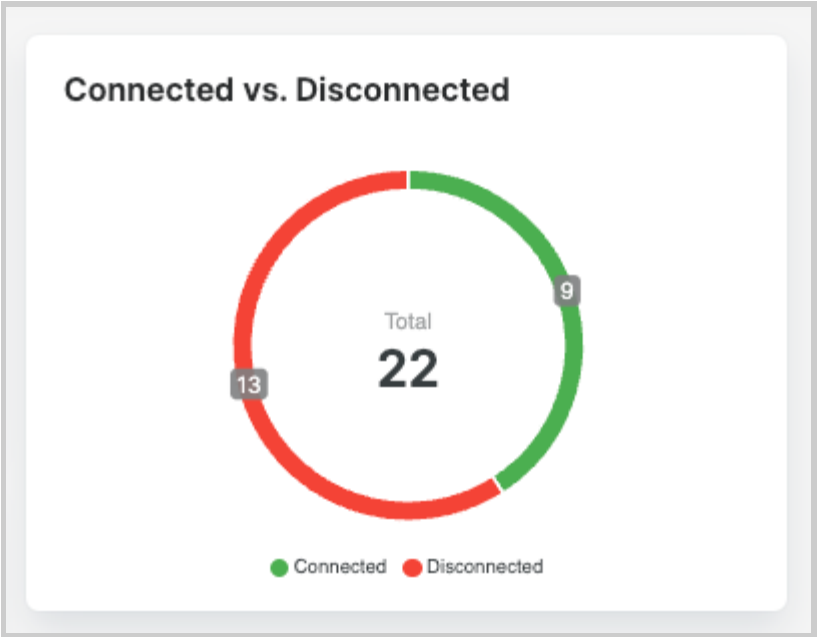
Product List

| 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. |

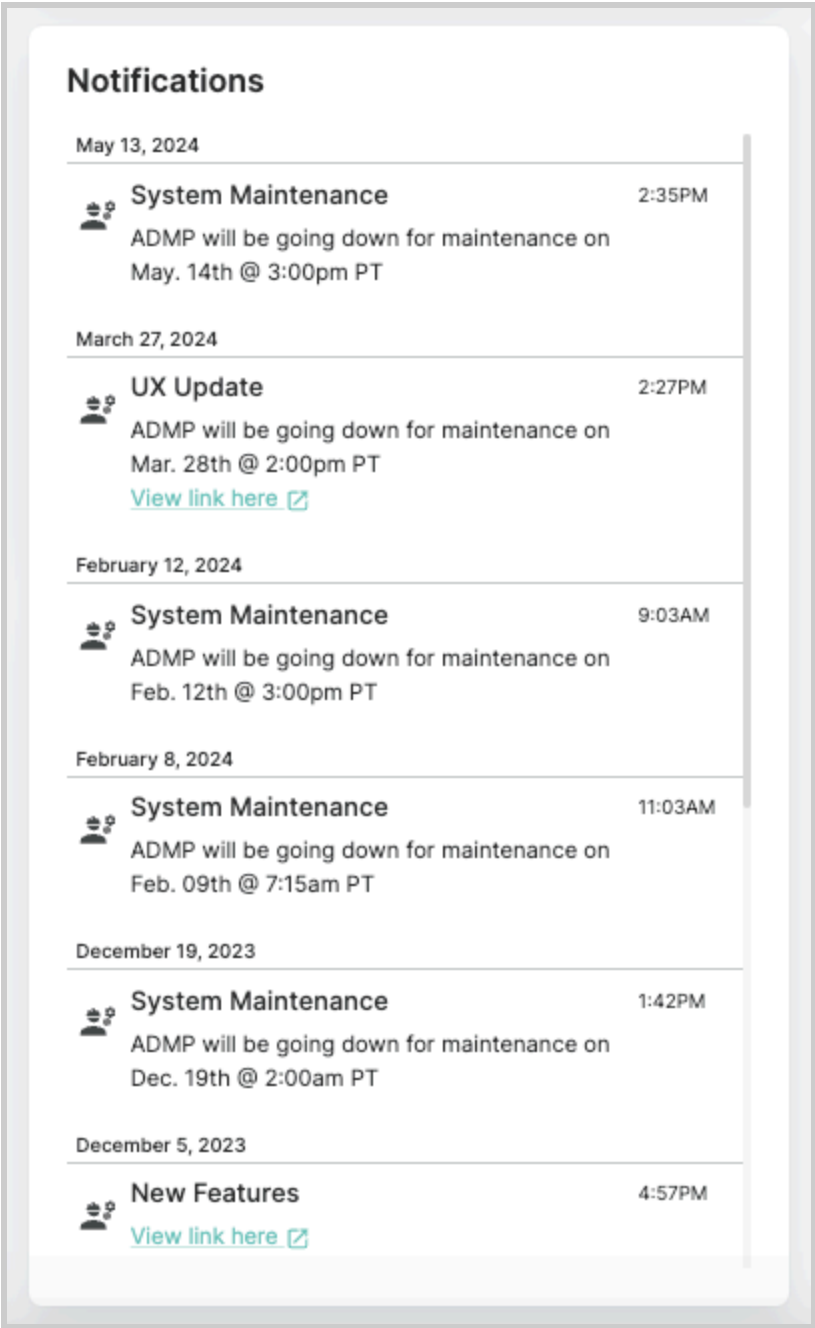
# Connected vs. Disconnected

A pie chart that represents the connected and disconnected devices.



# Notifications

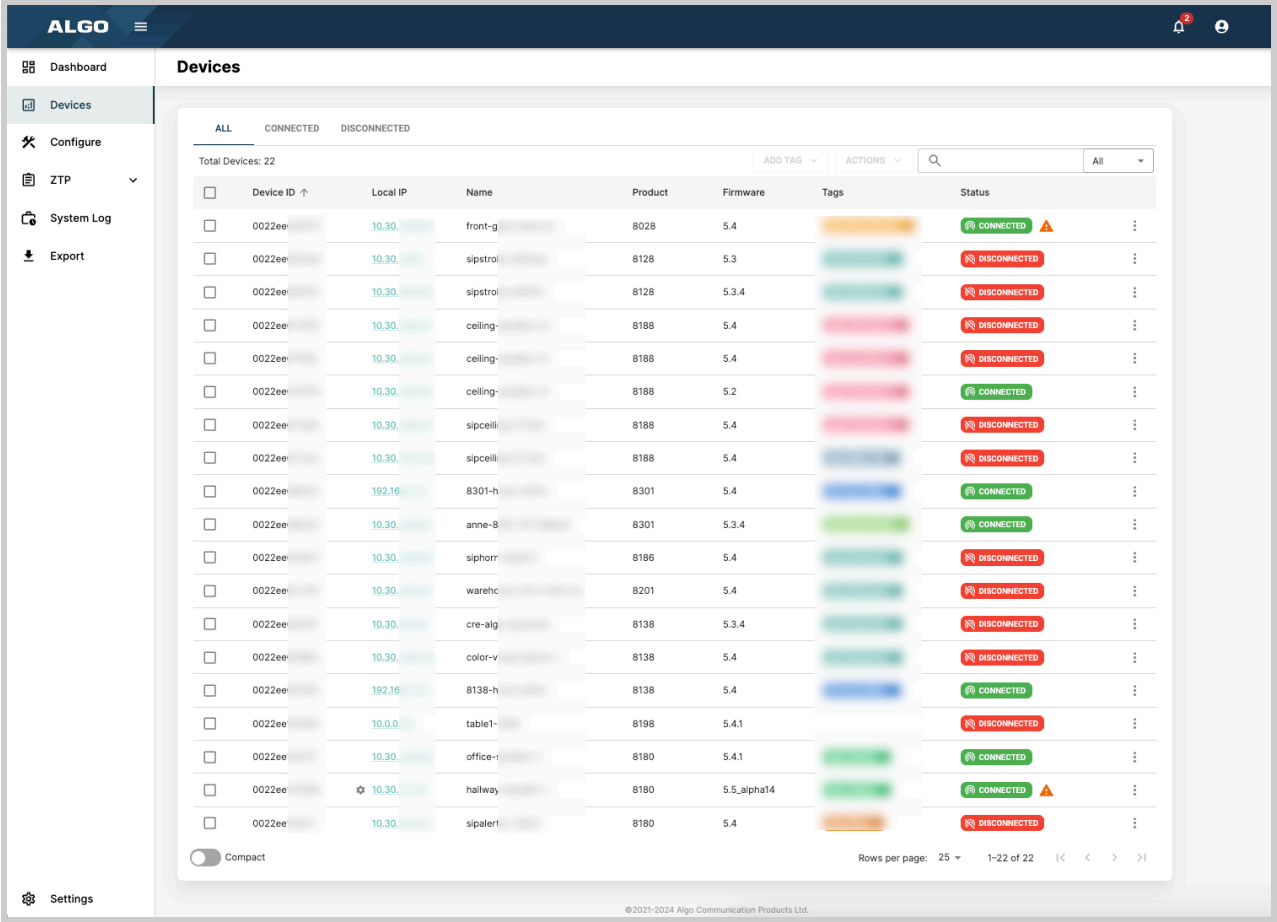
The Notifications section of the Dashboard will display notices such as system outages, upcoming changes, and new ADMP features. This section should be checked regularly as these notifications will not be sent to user emails.



# 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.

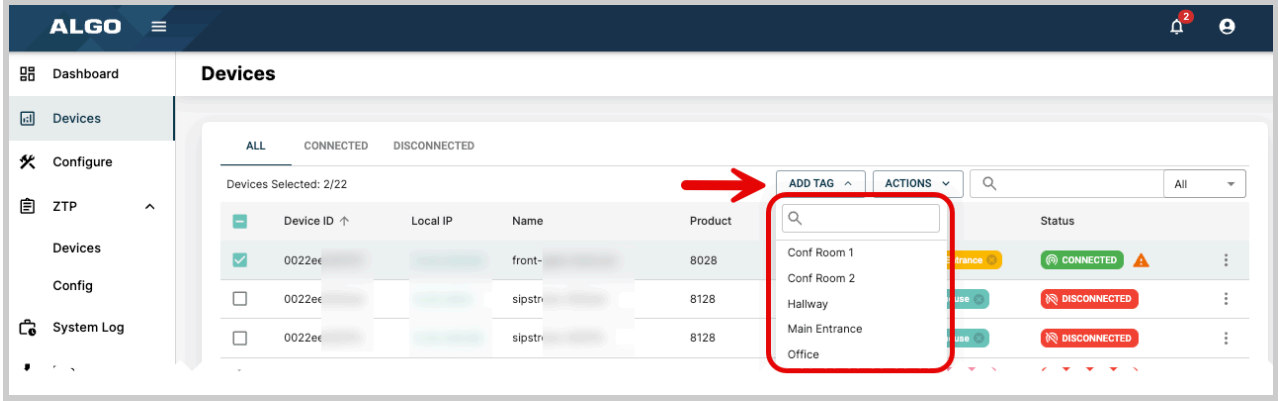


|           |  |
|-----------|--|
| Device ID | Each Algo device has a unique ID. This ID is the same as the device MAC address.   |
| Local IP  | The IP address of each device used to access the device web interface.<br>If you are using ADMP on a different network than the one the device is using, you 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 <b>Connected</b> or <b>Disconnected</b> . When an action is in progress, the status will appear as <b>Rebooting</b> , <b>Upgrading</b> , <b>Configuring</b> , <b>Setting</b> , <b>Deleting</b> , <b>Downloading</b> , or <b>Trying</b> . |

## Add Tags

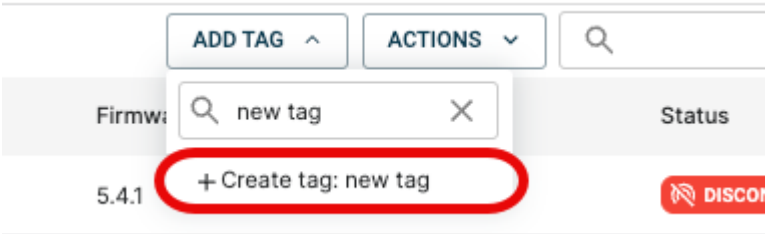
Tags can be made and assigned to devices from the Devices page. Up to 8 tags can be added to a single device and up to 100 tags can be made and used across all devices.

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



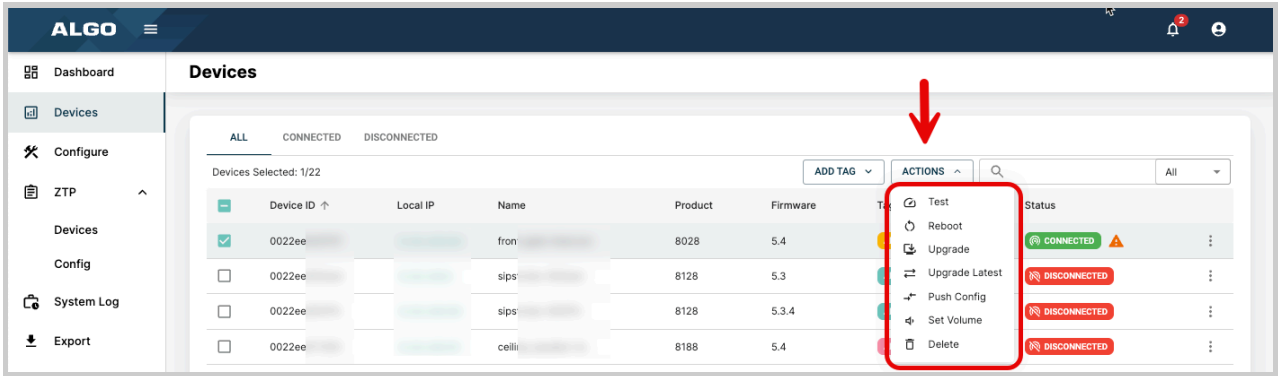
To add a tag to a device:

- 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.



## Actions

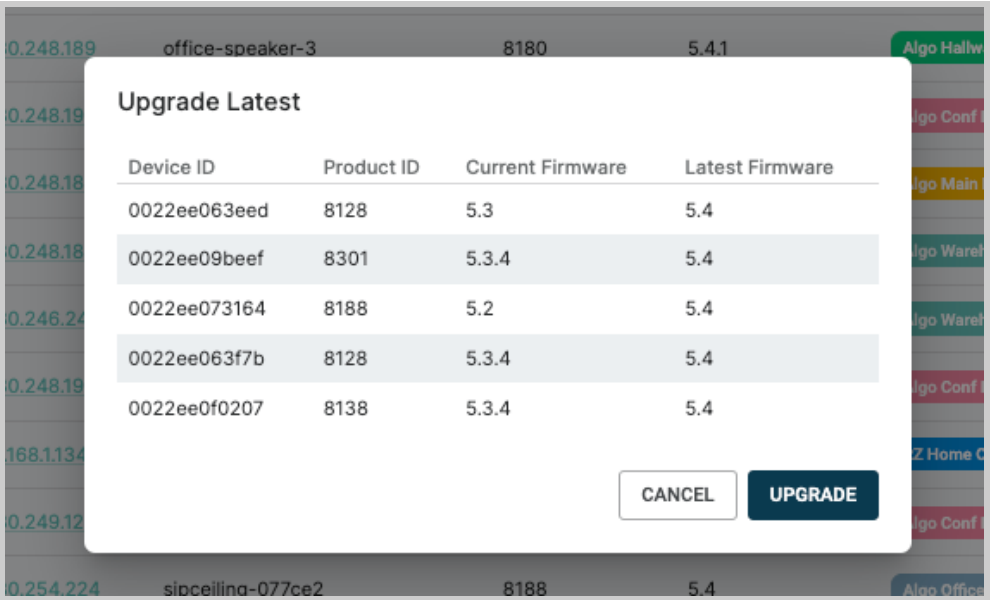
There are many ways to manage multiple devices using the **Actions** drop-down on the Devices page. To perform an action, select the device(s) you want to manage, and then choose an action from the **Actions** drop-down menu.



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

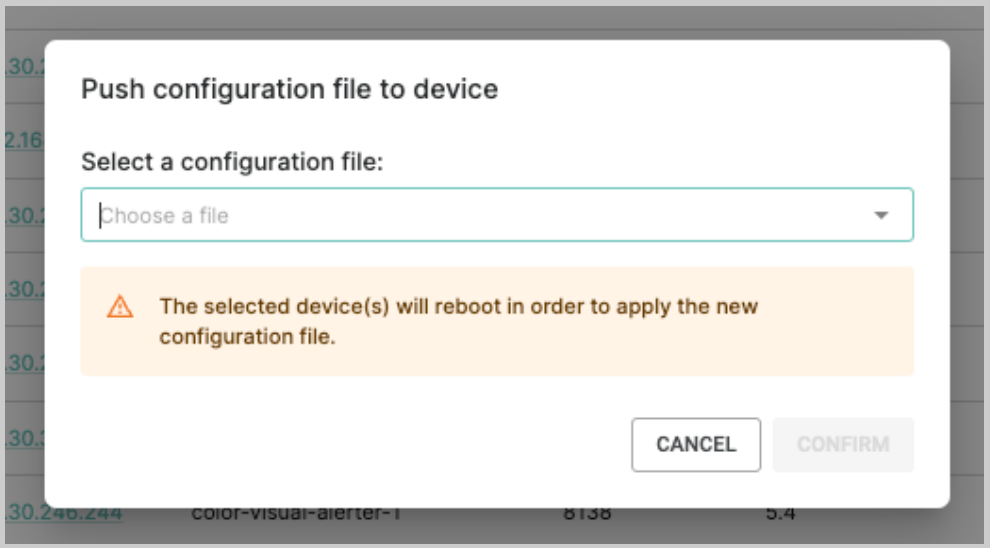


devices. Click **Upgrade** to proceed with the firmware upgrade.



Push Config

Select a configuration file to push configurations onto selected devices. Configuration files can be uploaded using the **Configure** page.



Partial configuration files are best for bulk configuration updates. See [section 6](#) for more details.

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.

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 max, 8 is 6 dB less than max, 7 is 9 dB less than max, etc)

### Set Volume

Ring Volume

Page Volume

10

9

8

7

6

5

4

3

CANCEL

CONFIRM


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?

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-1a | 8188       |

 Deleting will cause a reboot on devices with FW < 5.5.

CANCEL


DELETE

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?

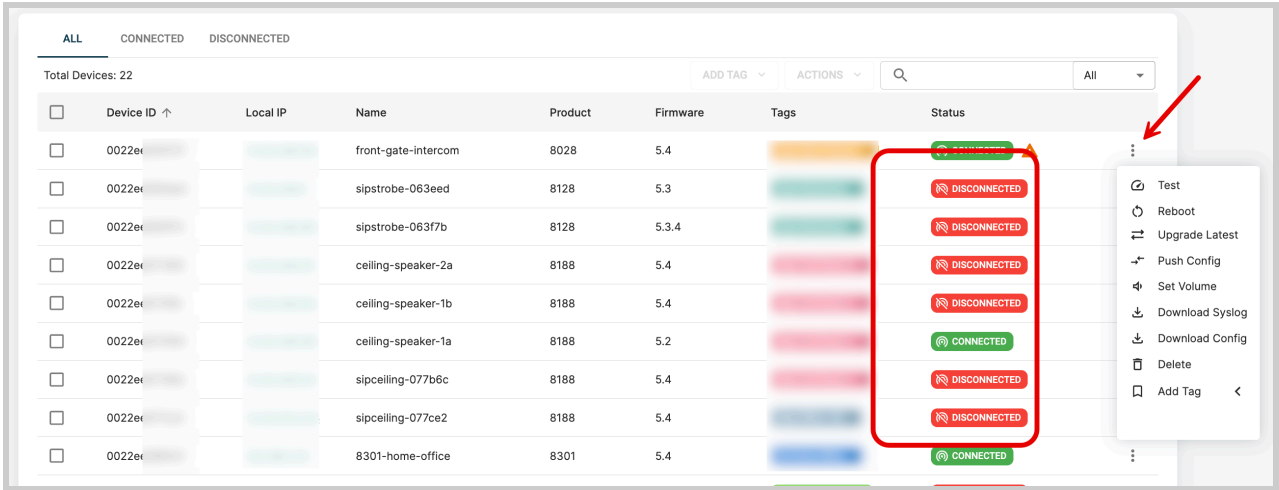
| Device ID | Name               | Product ID |
|-----------|--------------------|------------|
| 0022ee    | ceiling-speaker-1b | 8188       |

 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.



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. |

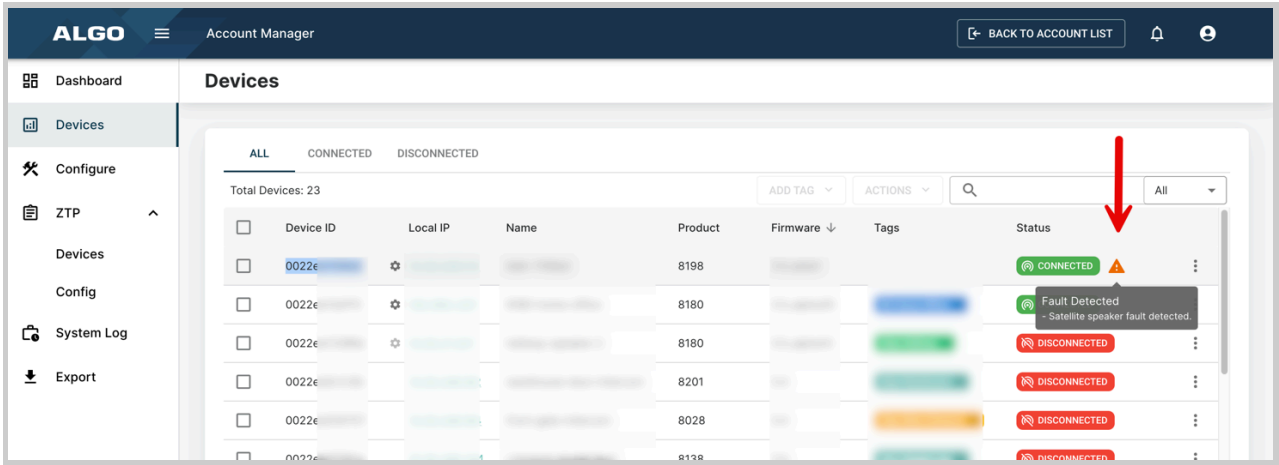
## Accessory Fault Detection

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.



## Remote Device UI

A subset of Algo products can be configured individually through the remote device UI feature.

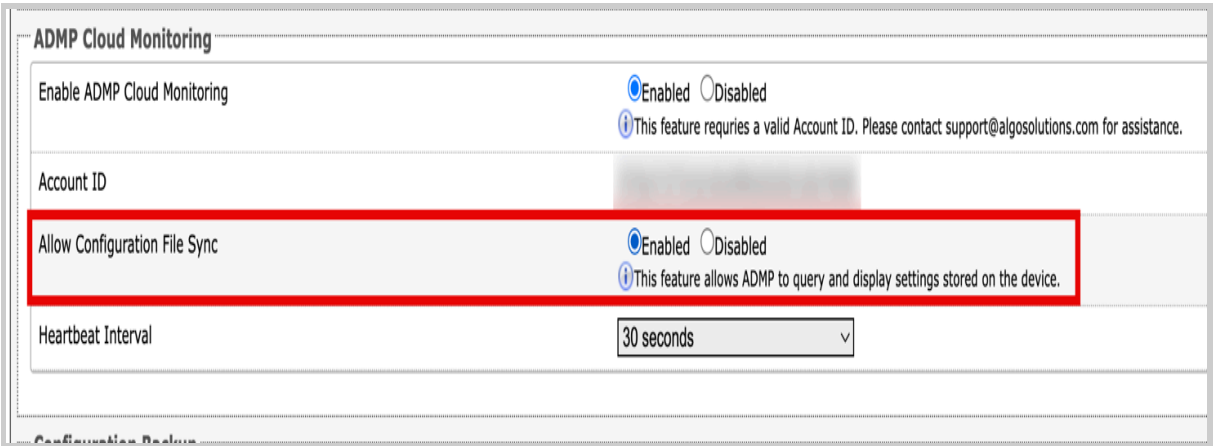
Remote device UI allows ADMP users to access and configure individual Algo devices directly from ADMP without being on the same network as the device. For more information on how to configure multiple devices at once, see [section 6 on Configuration](#).

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

|   |  |
|---|--|
| <p><b>Speakers</b></p> <ul style="list-style-type: none"><li>• 8180 IP Audio Alerter</li><li>• 8188 IP Ceiling Speaker</li><li>• 8189 IP Surface Mount Speaker</li><li>• 8186 IP Horn Speaker</li><li>• 8198 IP PoE+ Ceiling Speaker</li><li>• 8196 IP PoE+Horn Speaker</li><li>• 8190 IP Speaker – Clock</li><li>• 8190S IP Speaker - Clock &amp; Visual Alerter</li></ul> <p><b>Displays</b></p> <ul style="list-style-type: none"><li>• 8410 IP Display Speaker</li><li>• 8420 IP Dual-Sided Display Speaker</li></ul> | <p><b>Paging Adapters</b></p> <ul style="list-style-type: none"><li>• 8301 IP Paging Adapter &amp; Scheduler</li><li>• 8305 Multi-Interface IP Paging Adapter</li><li>• 8373 IP Zone Paging Adapter</li></ul> <p><b>Intercoms</b></p> <ul style="list-style-type: none"><li>• 8201 IP PoE Intercom</li><li>• 8063 IP Door Controller</li><li>• 8028 IP Doorphone</li></ul> <p><b>Visual Alerters</b></p> <ul style="list-style-type: none"><li>• 8128 IP Visual Alerter</li><li>• 8138 IP Color Visual Alerter</li></ul> |
|---|--|

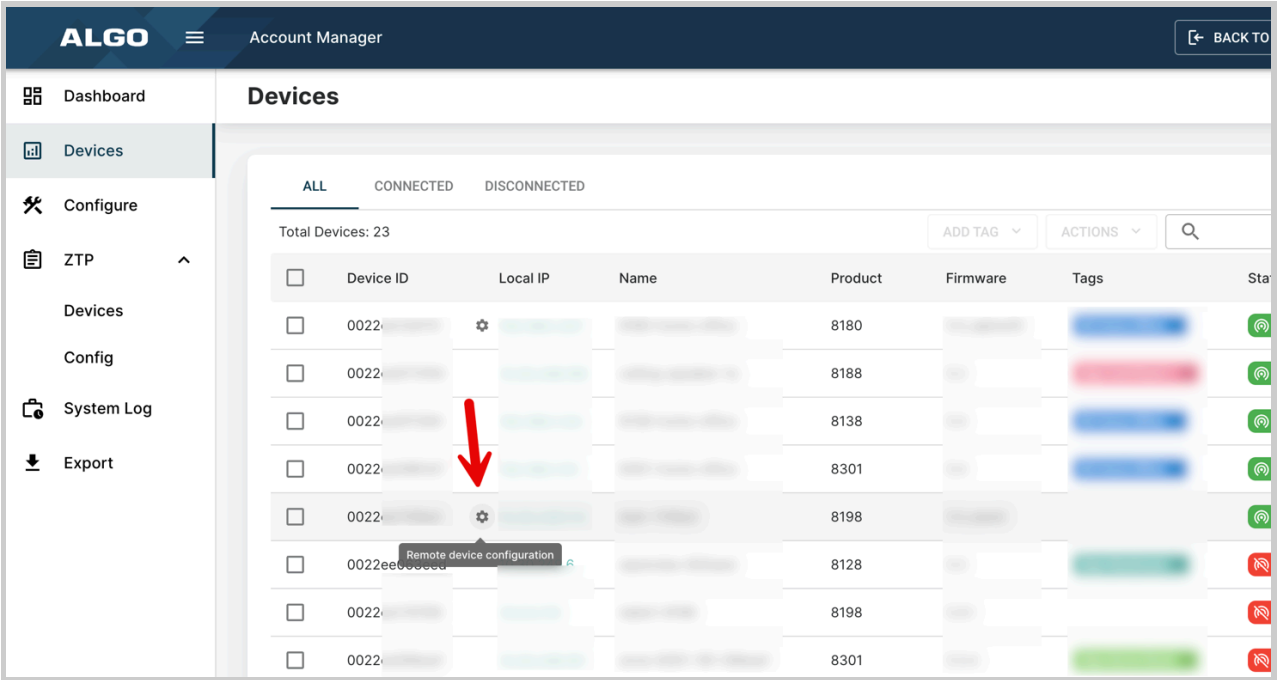
To use the remote device beta feature, the following requirements must be met:

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.

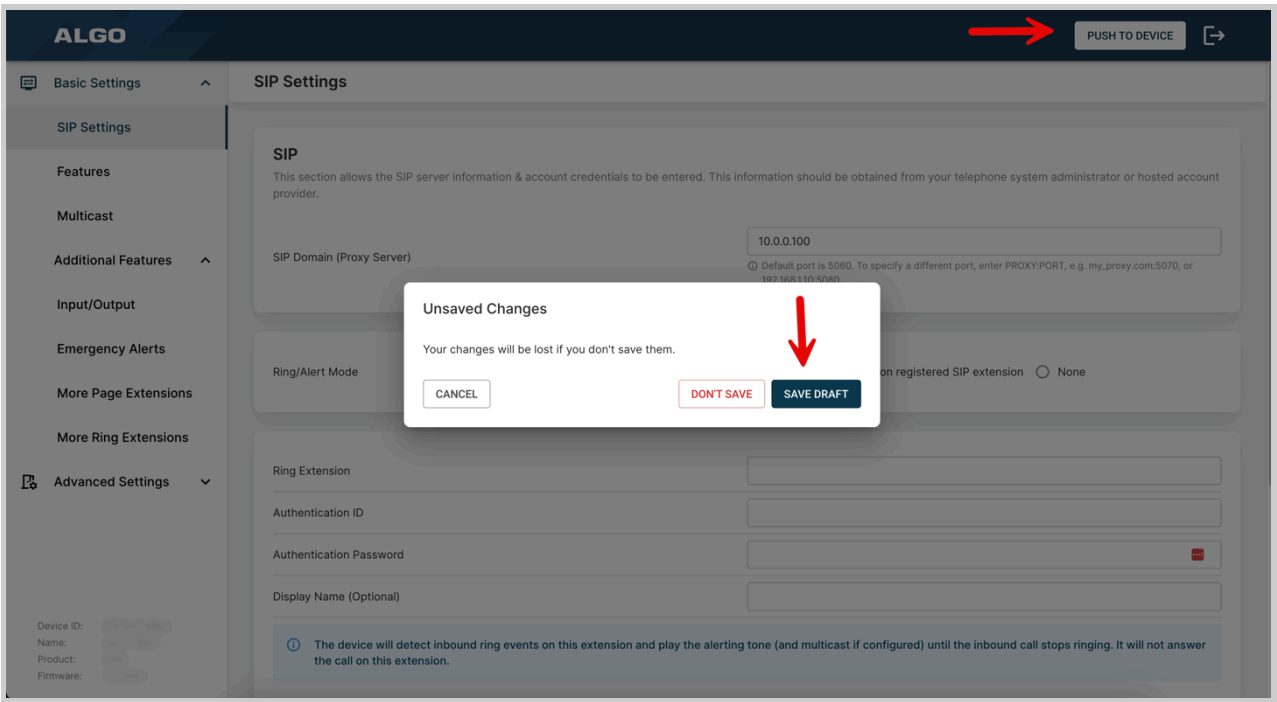


If your device meets the above requirements, you will see a gear icon next to the device in the ADMP **Devices** tab. Clicking on the gear icon to take you to remote

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

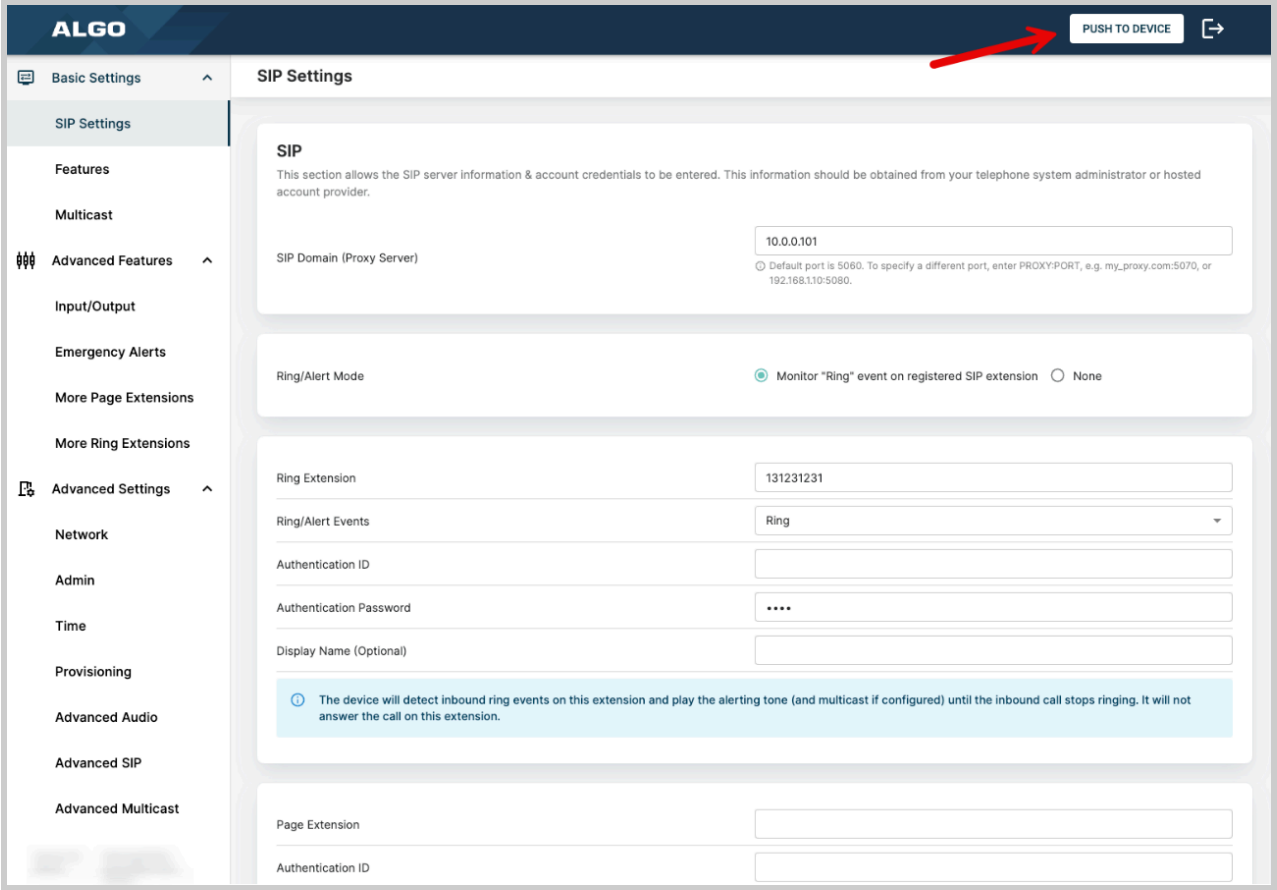


Configurations can be saved as a draft if you attempt to leave the remote device UI without pushing the configuration. Drafts can be re-opened when a user goes back to the remote device UI page.



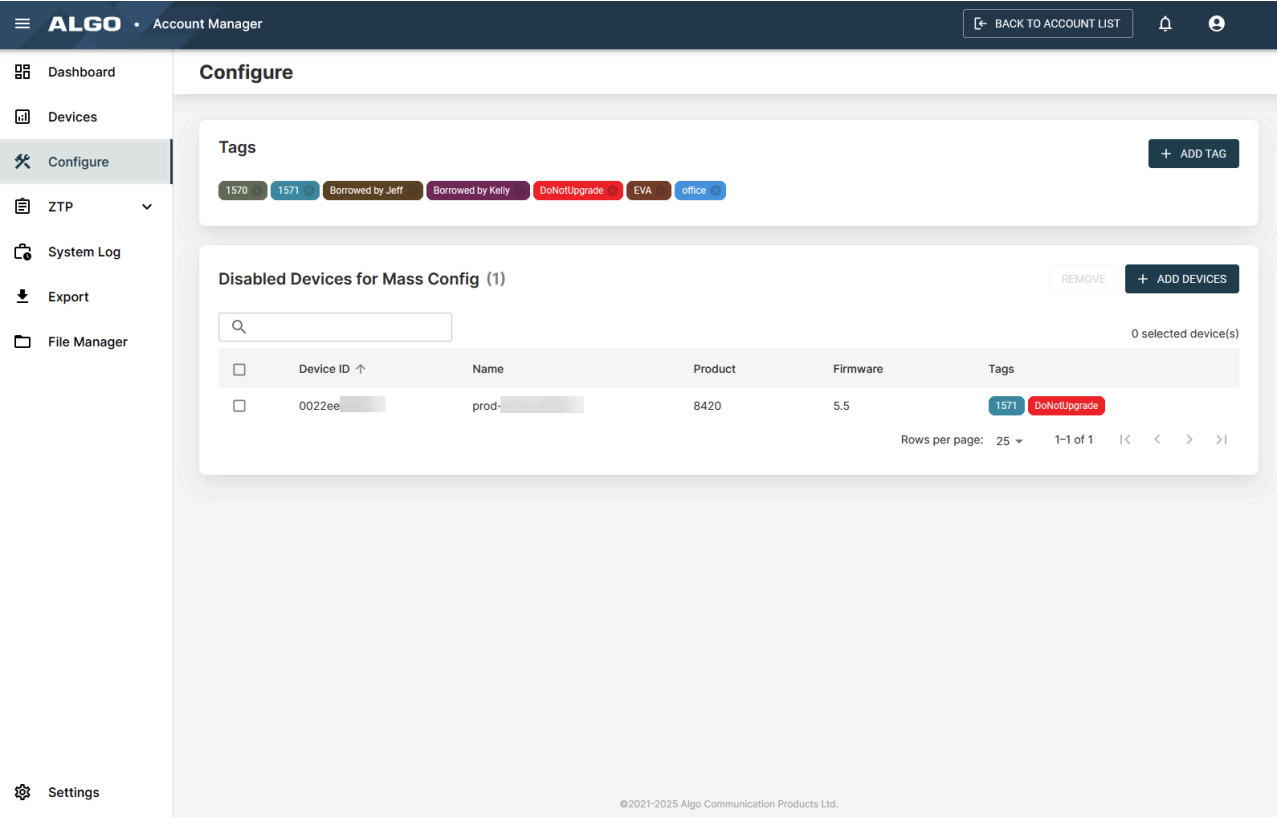
If a user is currently using the remote device UI for a device the device status will appear as **Editing**. If configurations are not saved, the next time a user opens the remote device UI they will have the option to begin editing based on the previous drafted configurations or from the last saved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

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



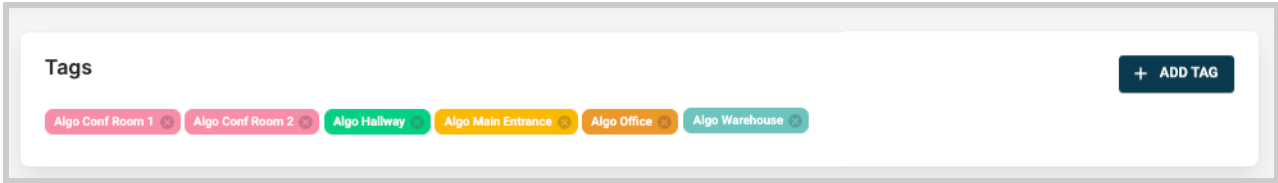
# Configure

The configure page is used to manage device tags and disable devices from mass configuration.



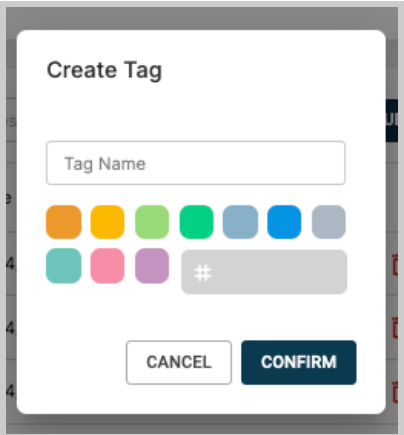
# Tags

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



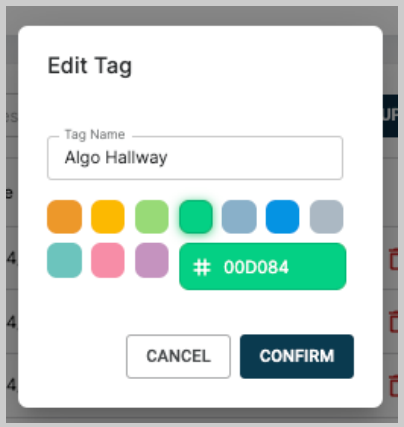
Create New Tag

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**.



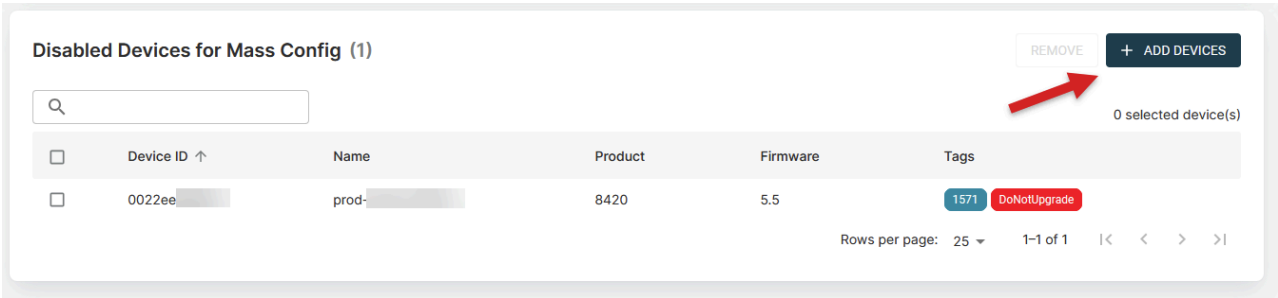
Edit an Existing Tag

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**.

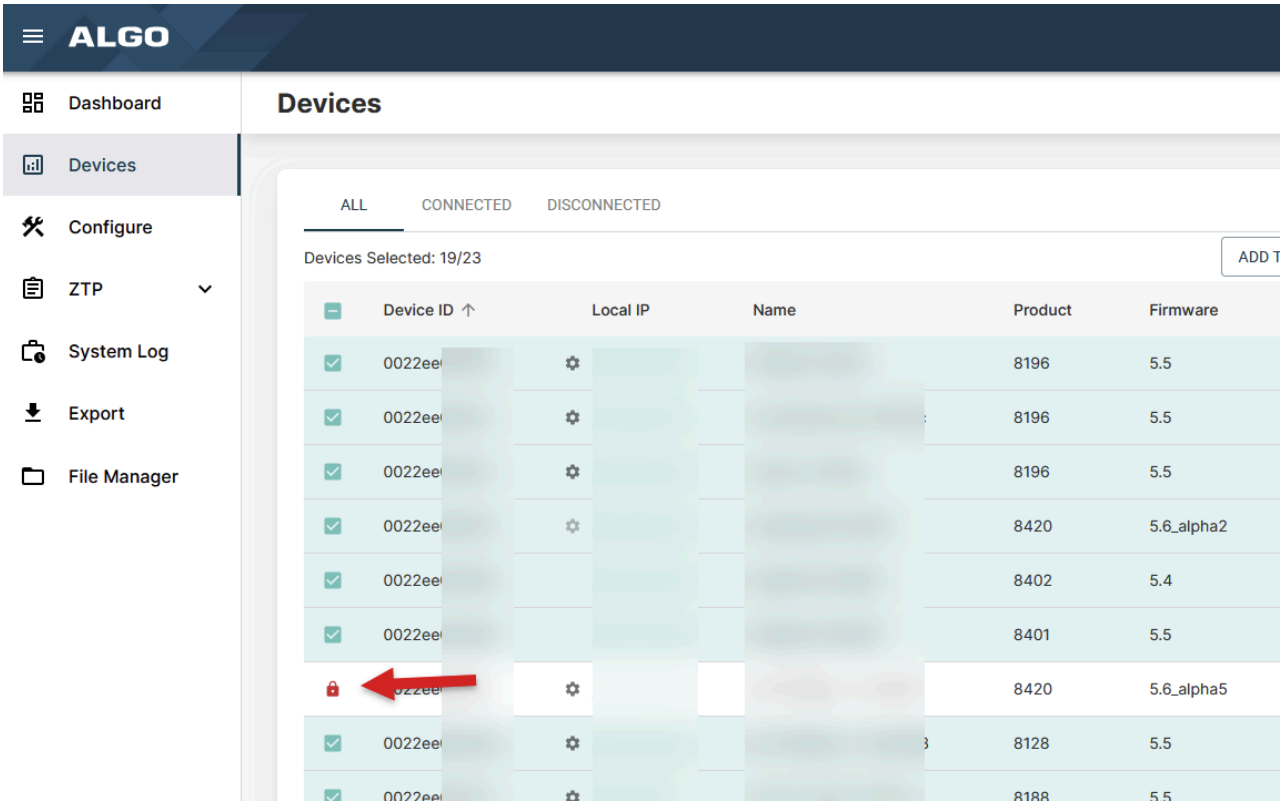


Disabled Devices for Mass Config

Use the Disabled Devices for Mass Config section to select devices that will be excluded when mass configurations are initiated. Any devices added will then have a lock icon appear on the left side of the device's row on the Devices page.  
To do this, click on **+ Add Devices**, select the devices to disable in the opened window, and click Disable.



Now, if a user tries to select all devices on the Devices page, the disabled/locked devices will not be selected.



Devices that are disabled from mass configuration can still be configured individually on the devices page by using the kebab icon on the right side of the device's row.

## ZTP

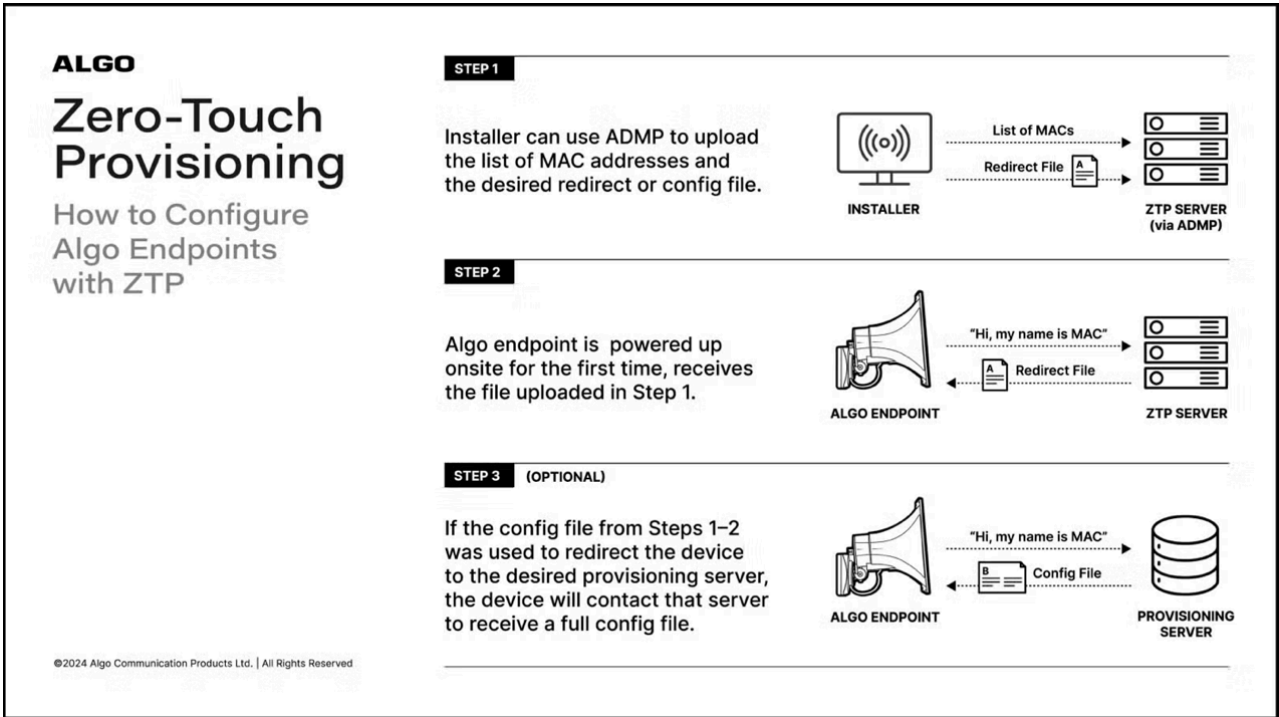
Zero-touch provisioning (ZTP) is a method of configuring devices automatically to simplify and speed up deployments in large-scale environments. This removes the need for manual configuration.

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.

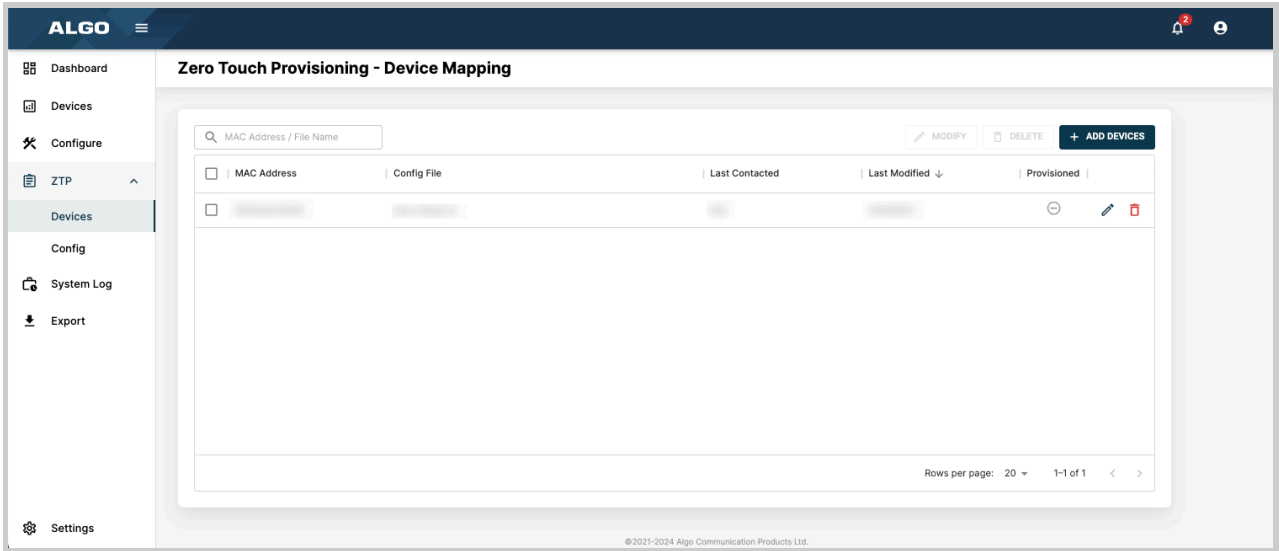
Use the [ZTP request form](#) if you would like a ZTP-only account or if you have an existing ADMP account and would like to add ZTP to it.





## 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.

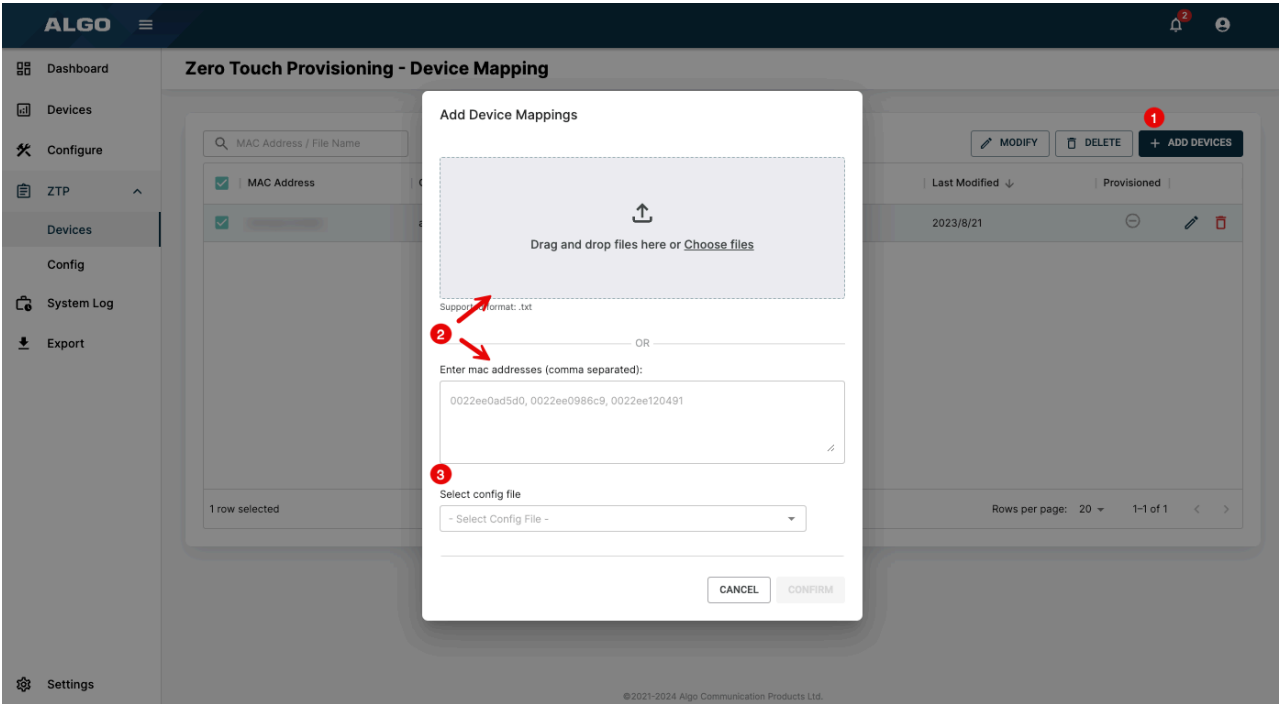


|                |   |
|----------------|---|
| MAC Address    | The MAC address of an added device. A device MAC address can be found on the <b>Status</b> → <b>Device Status</b> page of the device web interface. |
| Config File    | The selected configuration file to apply to the device using ZTP.   |
| 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:

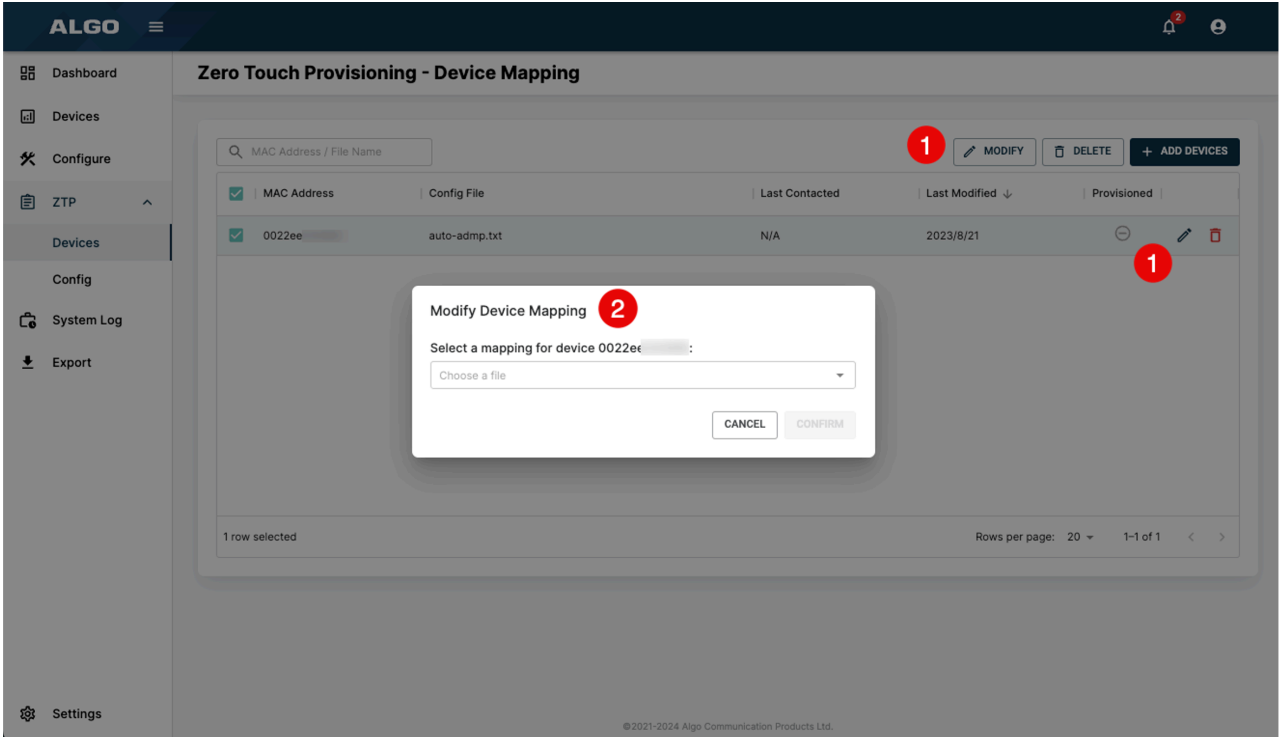
- 1. Click **+ Add Devices**
- 2. A new window will pop up. Upload a .txt file containing a list of MAC addresses for your devices or enter the list of MAC addresses directly into the window with comma-separated values.
- 3. Select a configuration file from the drop-down menu. These files can be added 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 the edit button (pencil icon) 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.



## 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.

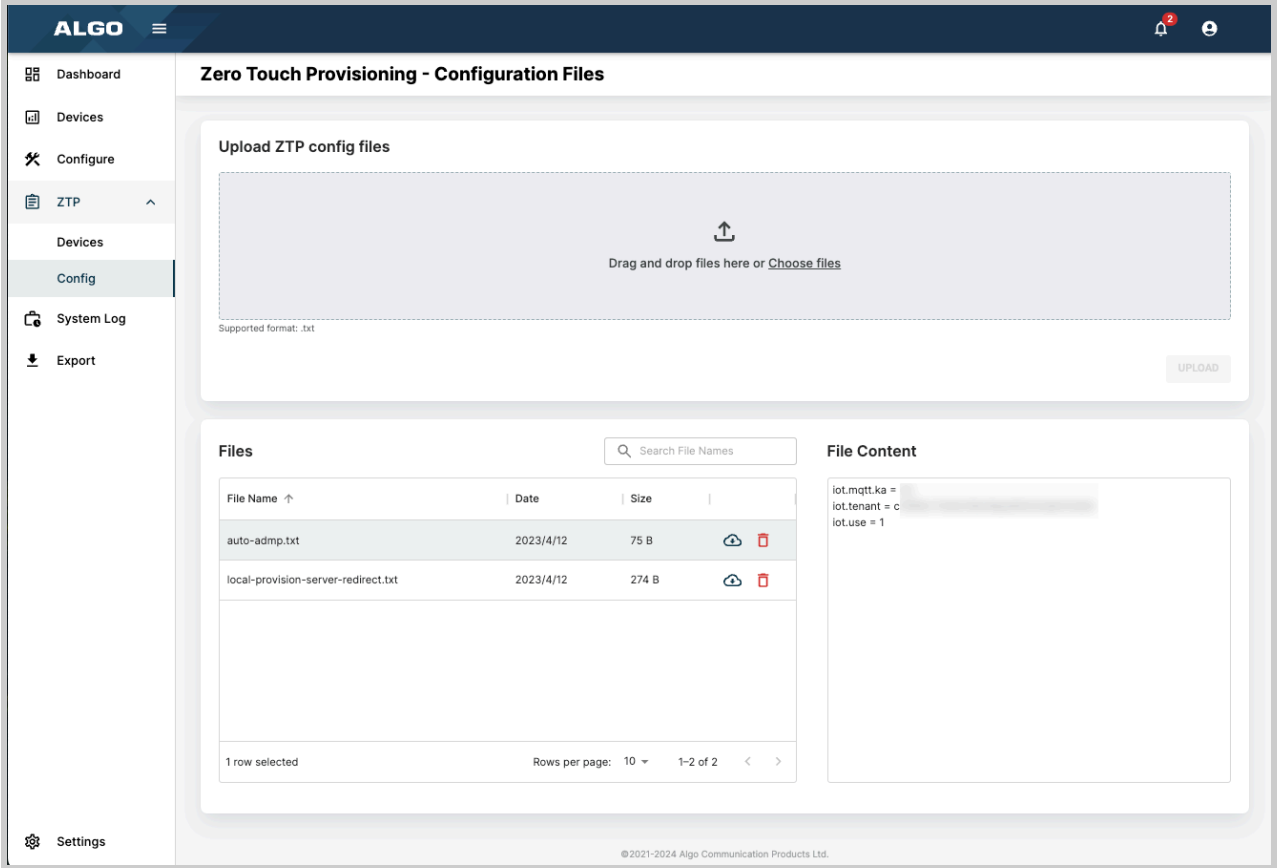
Algo’s ZTP service is primarily meant to be used as a redirection service to your provisioning server. While it will accept files containing additional settings such as SIP parameters, it is not meant for this purpose.

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
```

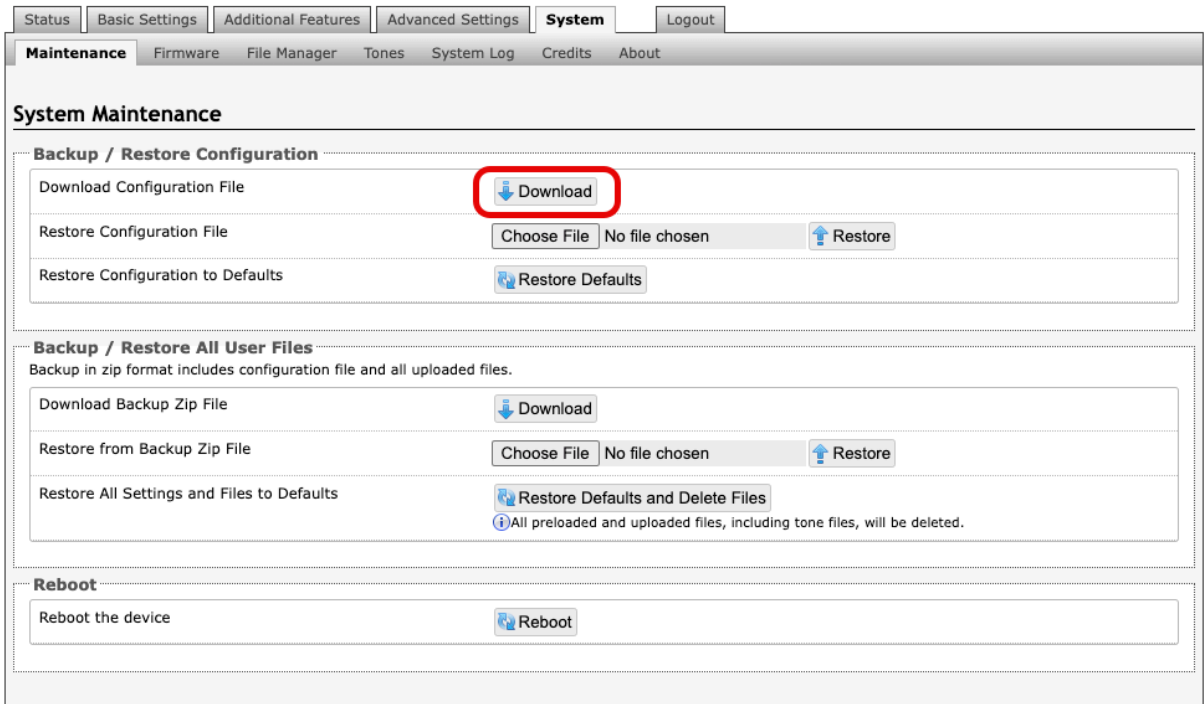
To enable ADMP cloud monitoring on your device, your configuration file should contain:

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



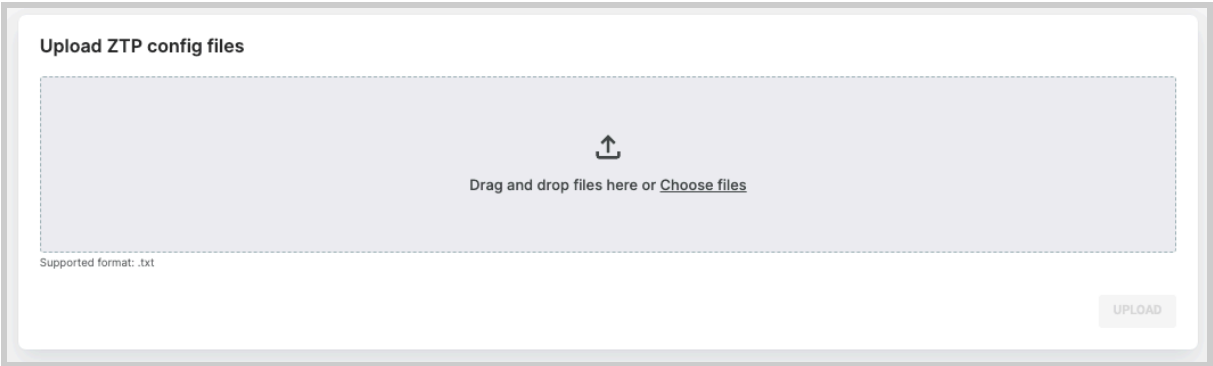
The following is necessary for a configuration file to be used for ZTP:

- 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**.

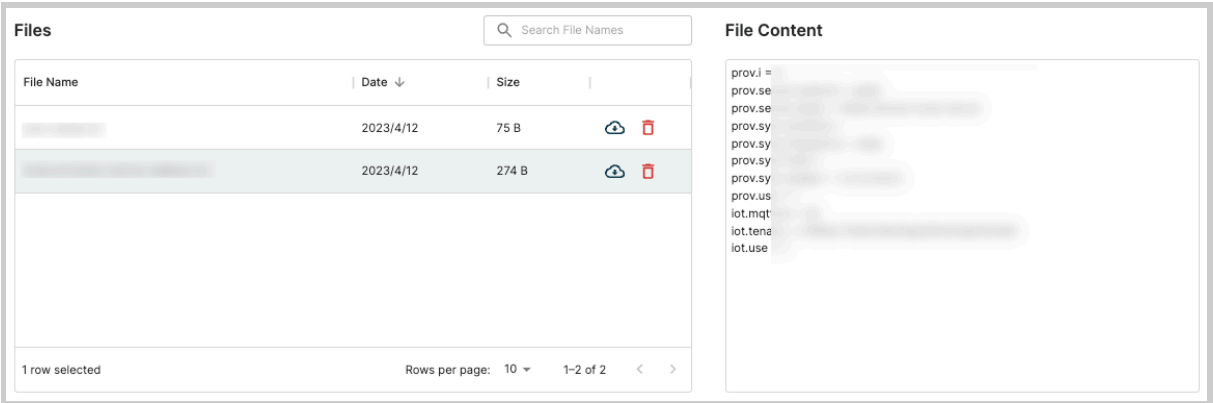


To upload a new configuration file:

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



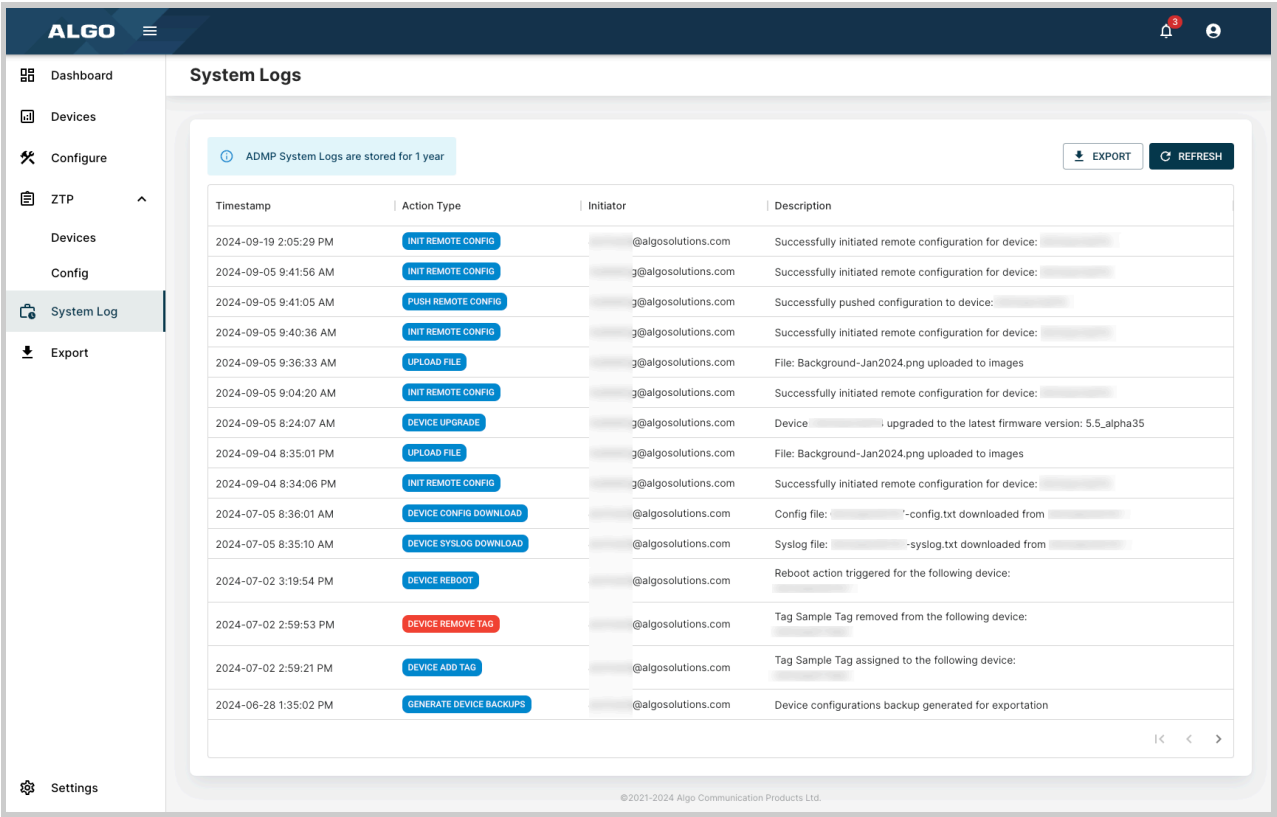
- 2. Click **Upload**
- 3. To preview uploaded files, click on the file in the list and view **File Content**.



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

# System Log

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.



Recorded device details include:

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

Additional ADMP details include:

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

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

It should be noted that:

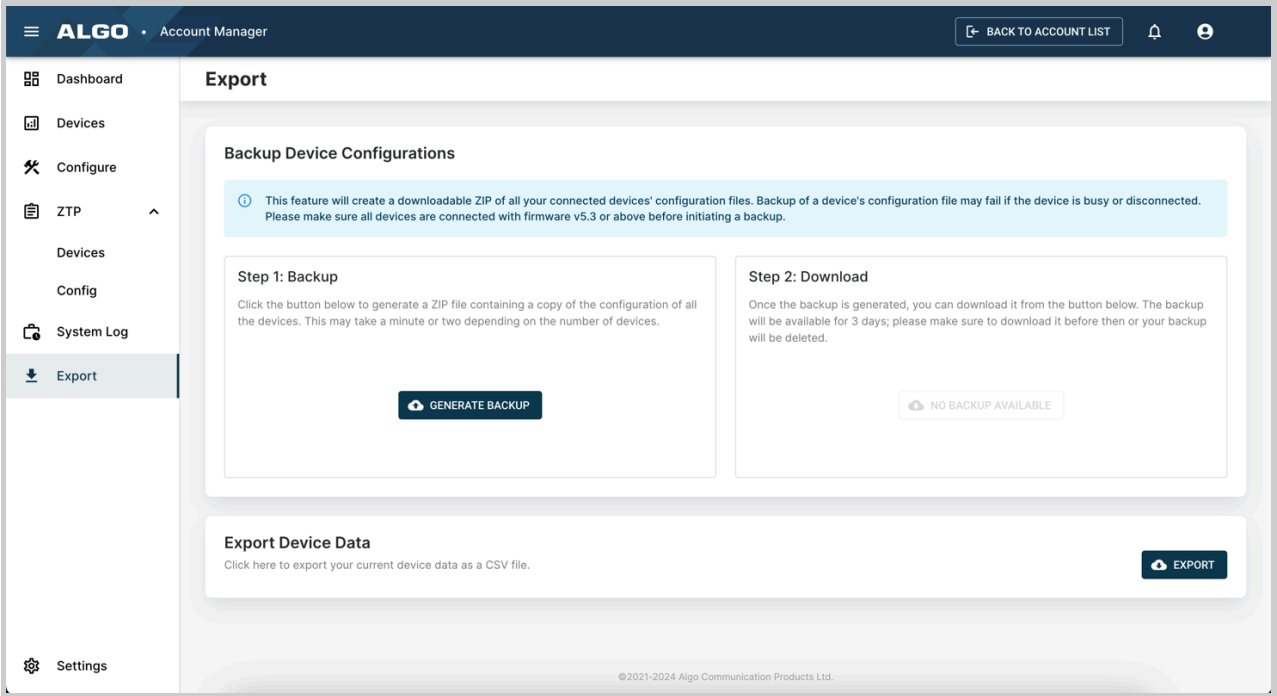
- All ADMP account users will have access to the System Log
- Actions that have failed will not be reported in the System Log
- Details at the specific device level will not be reported (ex. accessory fault detection)

## Export

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

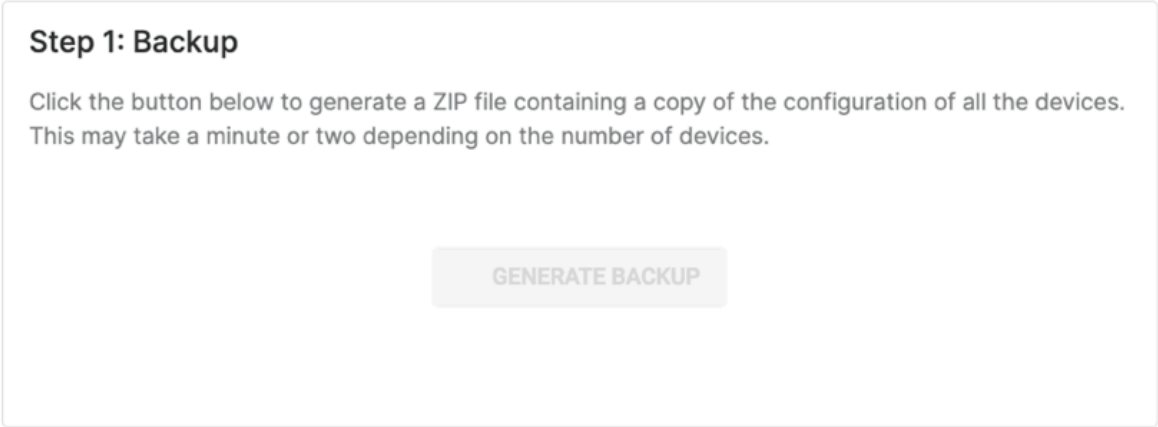
## Backup Device Configuration

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.

Step 2: Download

Once the backup is generated, you can download it from the button below. The backup will be available for 3 days; please make sure to download it before then or your backup will be deleted.

DOWNLOAD 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            |                  |           |              |  |
|-------------------------------|------------------|-----------|--------------|--|
| 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-interco            | Today at 8:35 PM | 8 KB      | Plain Text   |  |
| hallway-speaker-2             | Today at 8:35 PM | 15 KB     | Plain Text   |  |
| office-speaker-3-C            | 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.

## Export Device Data

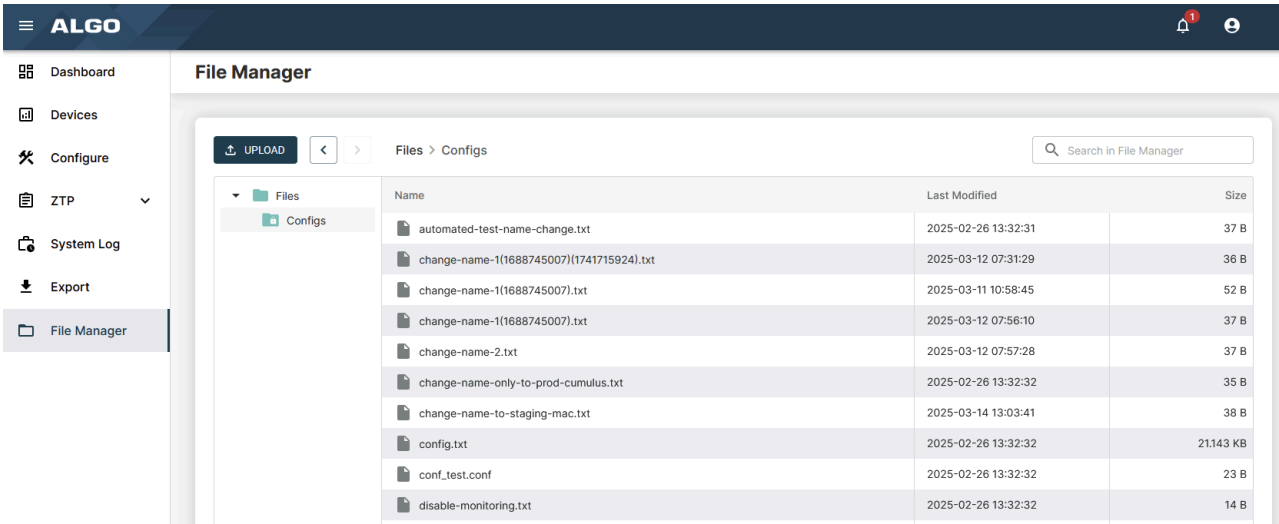
ADMP device data listed on the **Devices** page can be exported to CSV. This is helpful for internal auditing, especially if this data is exported on a regular basis. To do this, click **Export to CSV** on the bottom of the **Export** page.

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.

## File Manager

File Manager is used to hold all configuration files. Configuration files can be uploaded, previewed, and edited directly in ADMP.





All users who had configuration files uploaded via the Configure page in previous ADMP versions will be able to access their files in the File Manager. There is no need to re-upload.

## Config Files and File Content

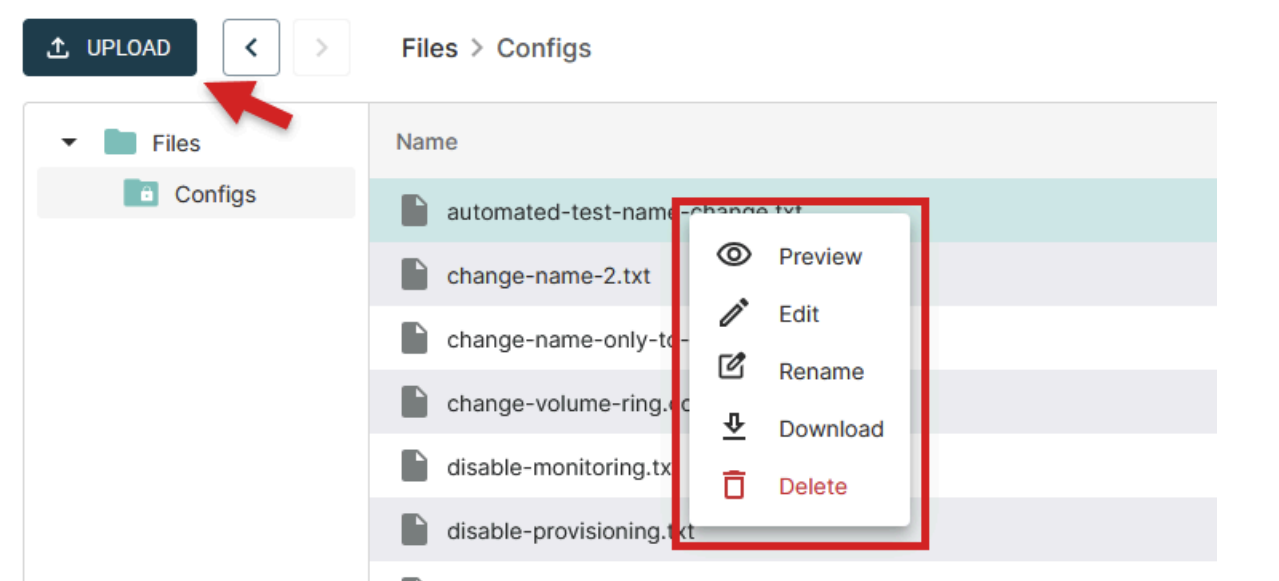
Use the Config Files section to upload and preview configuration files. To assign a configuration file to a device, use the **Devices** page and the action **Push Config**.

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, click on Upload in the top left corner of the screen.

To preview or edit a file, right click on the file in the list and select the action you want to take.



# IP Display (Beta)

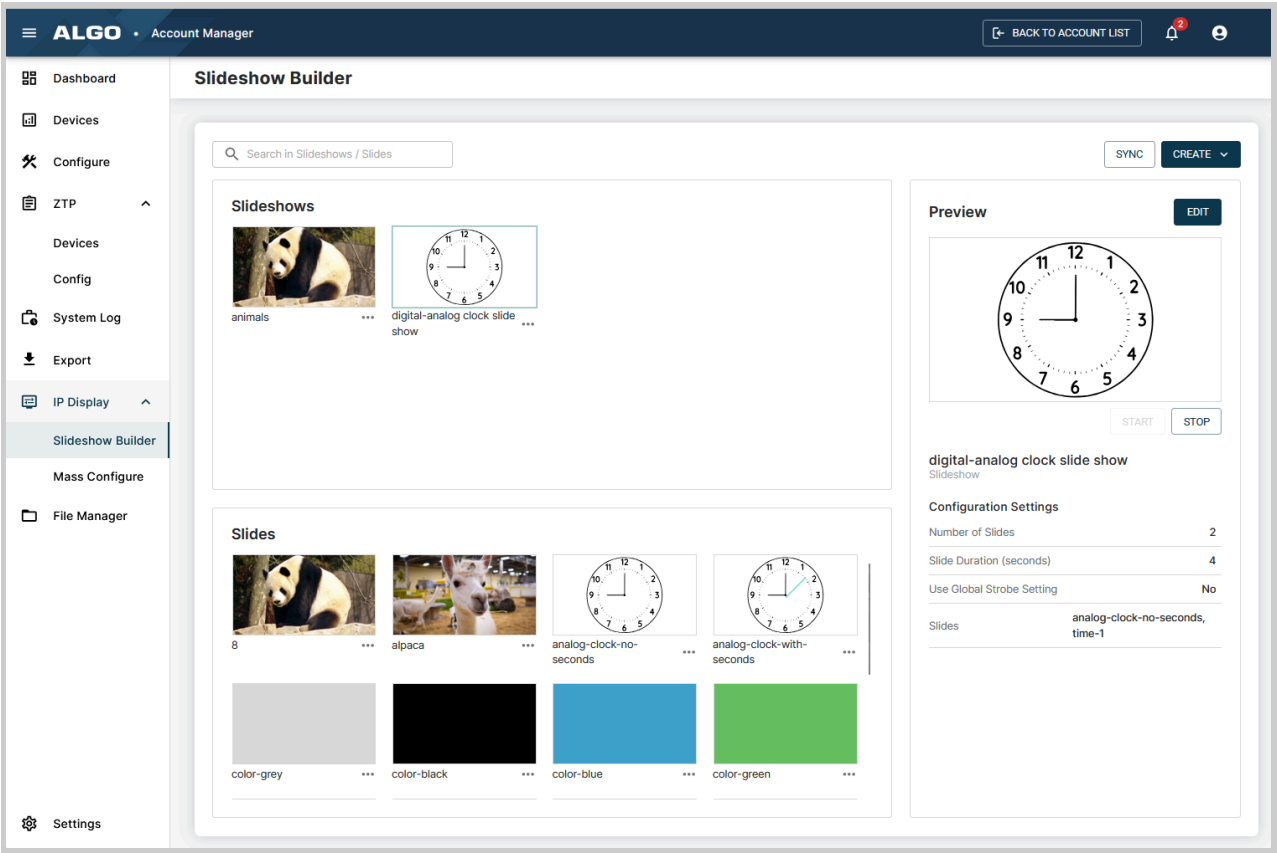
The IP Display pages allow ADMP users to mass configure the displays of connected [8410 IP Display Speakers](#) or [8420 Dual-Sided IP Display Speakers](#) devices. Day-to-day visuals such as weekly announcements, clocks, or reminders can be set by creating slides and slideshows. Slides and slideshows can also be set to appear in response to when a relay, callbox, announcement, or emergency alert is triggered.

Using ADMP for 8410 and 8420 display configuration is ideal especially in large deployments to maintain consistency across all displays.

To configure 8410 and 8420 displays, start on the Slideshow Builder page. Create slides and slideshows as required. Once slides and slideshows are created, they can be set to display when an action is triggered by creating configuration files on the Mass Configure page.

## Slideshow Builder

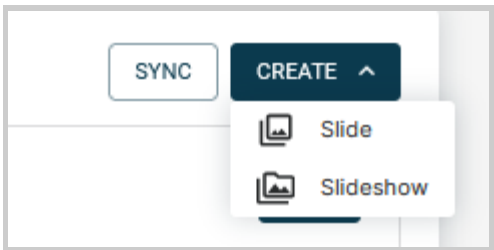
The Slideshow Builder page is used to create slides and slideshows using uploaded images and other unique configurations. Slideshows are ideal for day-to-day activities and announcements.



## Slides

Slides can be created directly from the main Slideshow Builder page or when creating a slideshow. To create a new slide from the Slideshow Builder page:

1. Click **Create** at the top right of the page. Click **Slide**.



2. Enter a **Slide Name** at the top of the screen.
3. Select a **Slide Type**. Options include **Image**, **Flashing Image**, **Analog Clock**, and **Digital Clock**. A **Template** option will be available in future releases.
4. Use the slide type settings to customize the slide as needed.
5. (Optional) Select a **Flash Pattern** under **Strobe Setting** to activate when the slide is displayed. This is particularly useful for emergency alerting.
6. Click **Save Slide** on the top right of the window when complete.

Slide Name

analog-clock-with-seconds

SAVE SLIDE

X

Preview

Slide Type

☐ Image

☐ Flashing Image

☒ Analog Clock

☐ Digital Clock

☐ Template

Clock Background Image

<none>

UPLOAD IMAGE

Clock Setting

Clock Color (Background)

Clock Color (Foreground)

Show Seconds Hand

Seconds Hand Color

☒ Enabled

☐ Disabled

Strobe Setting

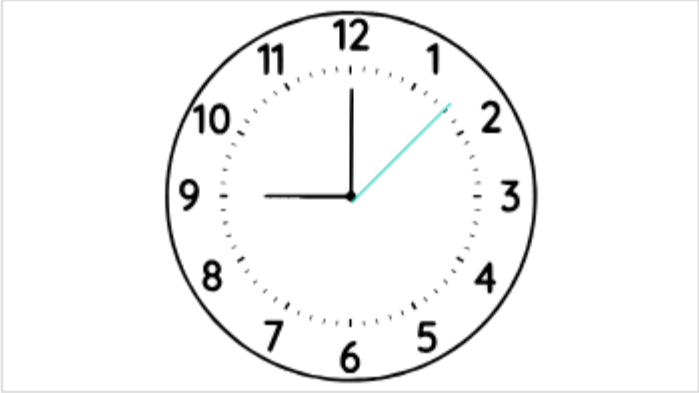
Flash Pattern

Off

The slide will now appear in the **Slides** section at the bottom of the **Slideshow Builder** page. A preview of slide configurations and the option to edit can be accessed by clicking on a slide.

Preview

EDIT






START

STOP

analog-clock-with-seconds

Slide

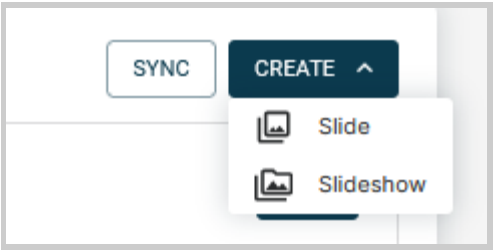
Configuration Settings

|                      |   |
|----------------------|---|
| Slide Type           | Analog Clock  |
| Background Image     |   |
| Show Seconds Hand    | Yes   |
| Seconds Hand Color   | #2FD3CA  |
| Foreground Color     | #000000  |
| Background Color     | #FFFFFF  |
| Strobe Flash Pattern | Off   |

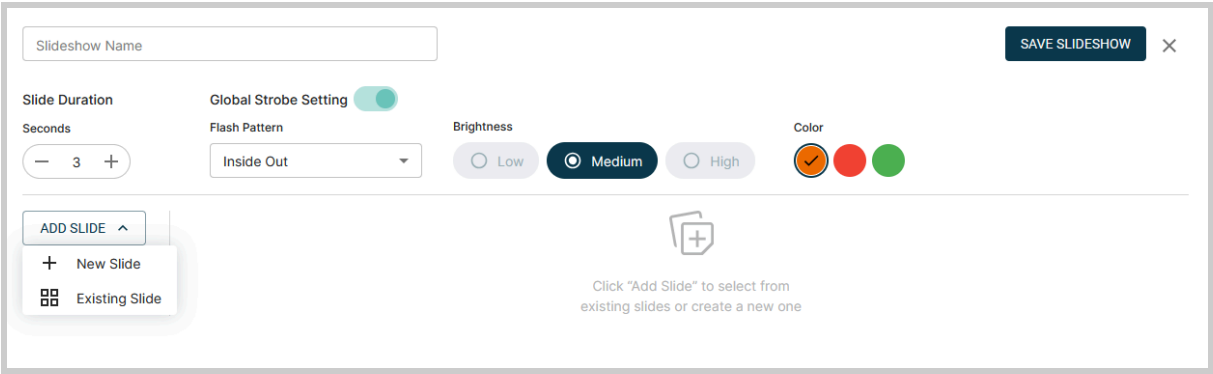
Slideshows

To create a new slideshow:

- 1. Click **Create** at the top right of the page. Click **Slideshow**.

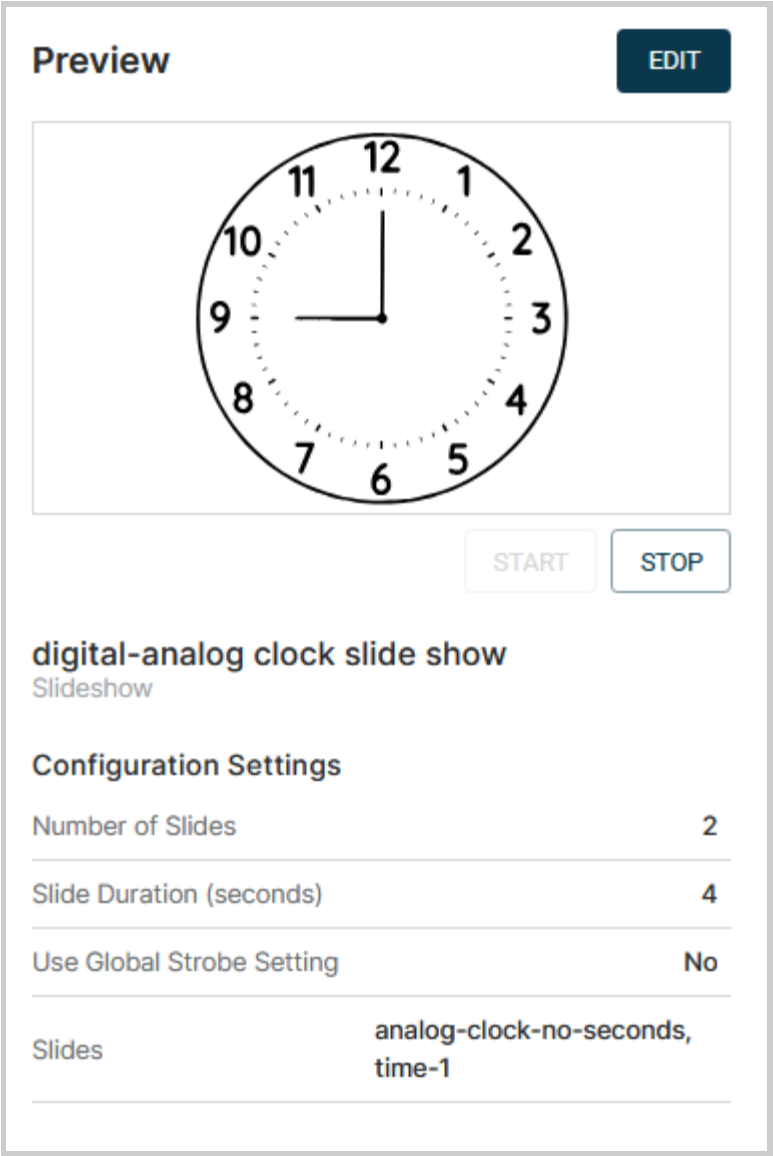


- 2. Enter a **Slideshow Name** at the top of the window.
- 3. By default, **Slide Duration** is set to 3 seconds and **Global Strobe Setting** is turned off. Configure these settings if desired.

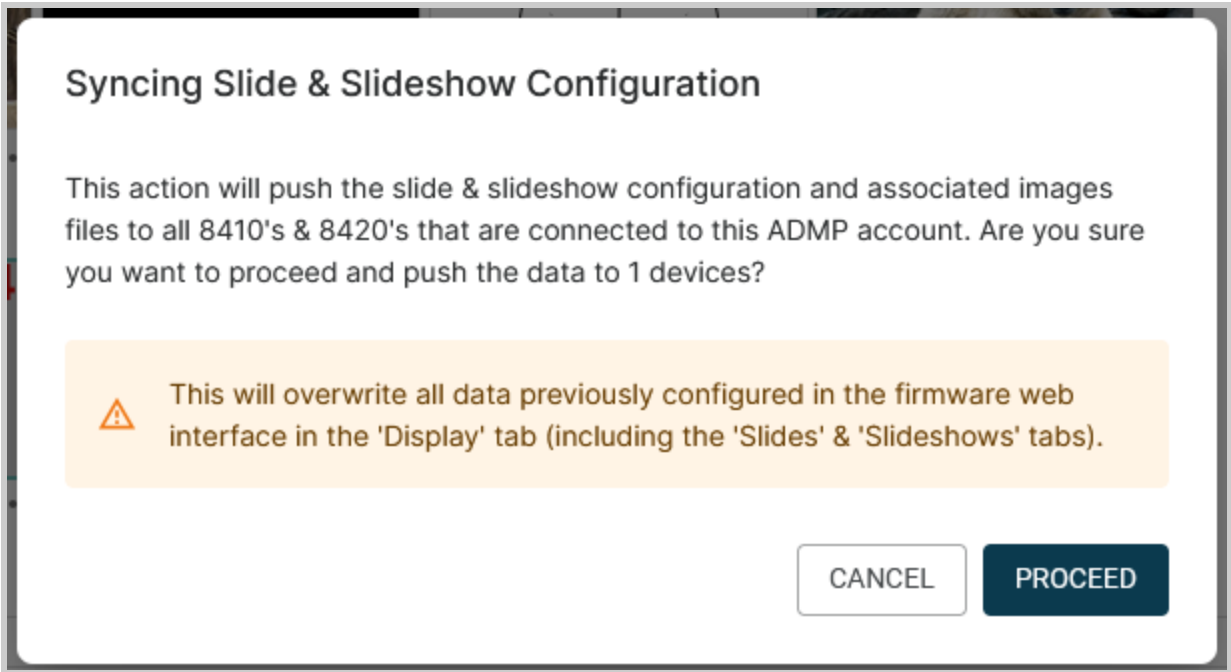


4. Click **Add Slide** on the left side of the window. You may either create a **New Slide** or add an **Existing Slide**.
- a. If **New Slide** is selected, follow the same steps as above for creating a new slide.
  - b. If **Existing Slides** is selected, click on previously created slide to add to this slideshow.

Once complete, slideshows can be previewed and edited by clicking on the slideshow at the top of the Slideshow Builder page.

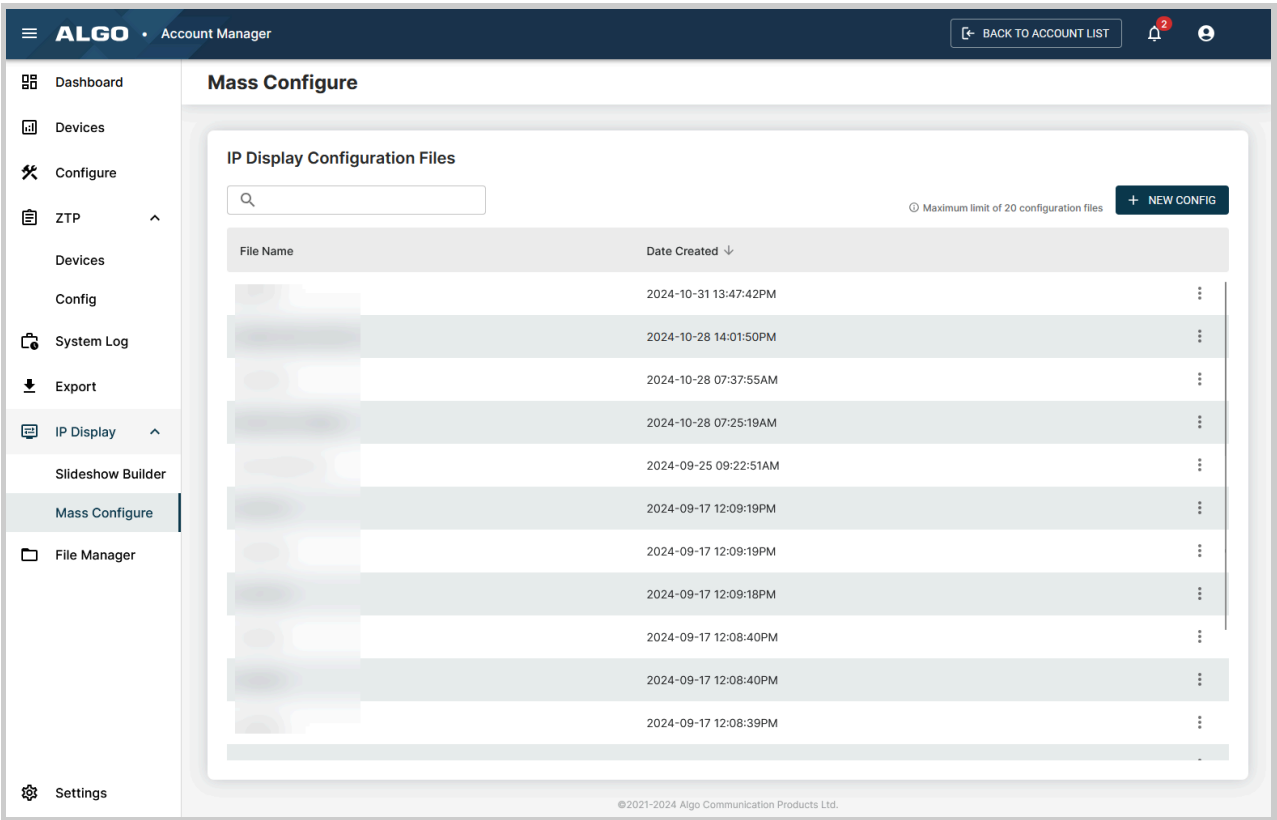


To apply all slideshow configurations to connected 8410 and 8420 devices, click **Sync** at the top right of the page then **Proceed** in the window.



## Mass Configure

The Mass Configure page can be used to create up to 20 configuration files that can be applied to specific 8410 and 8420 devices. These configurations are used to display a unique slide on the 8410 and 8420 device when a relay, callbox, announcement, or emergency alert is triggered.



Algo offers two types of paging adapters for IP-enabling legacy environments: the 8301 IP Paging Adapter to connect to single-zone amplifiers, and the 8373 IP Zone Paging Adapter to connect to multi-zone amplifiers.

To create a new configuration file:

1. Click **New Config** on the top right of the page.
2. Enter a **File Name** and use the drop-down menus to select a slide to appear when an action is triggered. This will include the strobe settings set for the

slide. Click **Next** when complete.

Mass Configure

Select Configuration Values > Select Devices > Review

CANCELNEXT >

Configuration File

File Name

Features

Ring/Alert Screen Pattern<None>

Page Screen Pattern<None>

Idle Pattern<None>

Input

Relay triggered Screen Pattern<None>

Callbox triggered Screen Pattern<None>

Emergency Alerts

Announcement 1 Screen Pattern<None>

Announcement 2 Screen Pattern<None>

Announcement 3 Screen Pattern<None>

Announcement 4 Screen Pattern<None>

3. Select the devices to apply the new configuration file to.

Select Configuration Values > Select Devices > Review

CANCELNEXT >

Select Devices

Disconnected and busy devices cannot be selected for configuration.

Q

Total Device Selected: 0

| <input type="checkbox"/> | Device ID ↑ | Name | Product ID | Firmware | Tags | Status       |
|--------------------------|-------------|------|------------|----------|------|--------------|
| <input type="checkbox"/> | 0022e       |      | 8420       | 5.5.     |      | CONNECTED    |
| <input type="checkbox"/> | 0022e       |      | 8410       | 5.5.     |      | CONNECTED    |
| <input type="checkbox"/> | 0022e       |      | 8410       | 5.5.     |      | CONNECTED    |
| <input type="checkbox"/> | 0022e       |      | 8420       | 5.5.     |      | DISCONNECTED |

4. Review the configuration settings and click **Push to Device** when complete.

Select Configuration Values > Select Devices > Review

CANCELPUSH TO DEVICE(S)

Review Configuration Settings

File Name

test

Features

Input

Emergency Alerts

More Page Extensions - Basic Extensions

More Page Extensions - Expanded Extensions

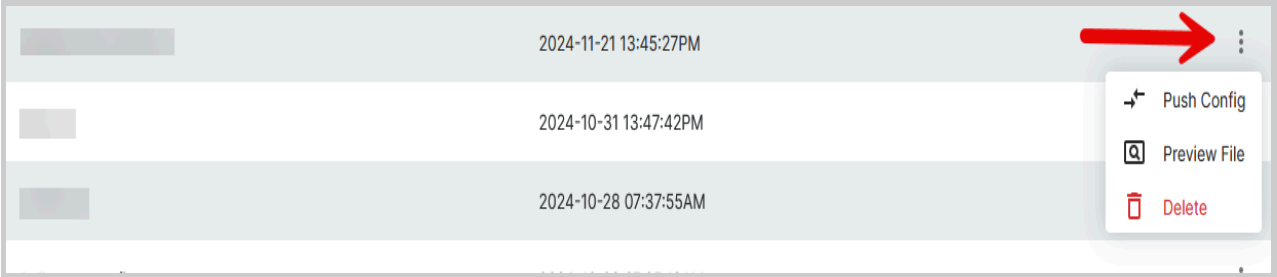
More Ring Extensions

Screen-tone Mapping

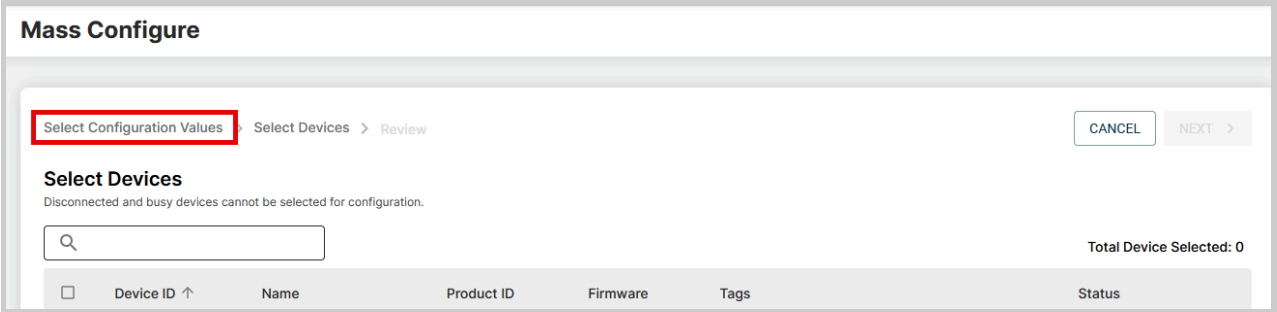
Selected Devices

| Device ID | Name | Product ID | Firmware |
|-----------|------|------------|----------|
| 0022e     |      | 8410       | 5.5.     |

After adding a configuration file, it will be displayed on the main page. To push the configurations to devices or preview the file, use the kebab menu icon on the right side.

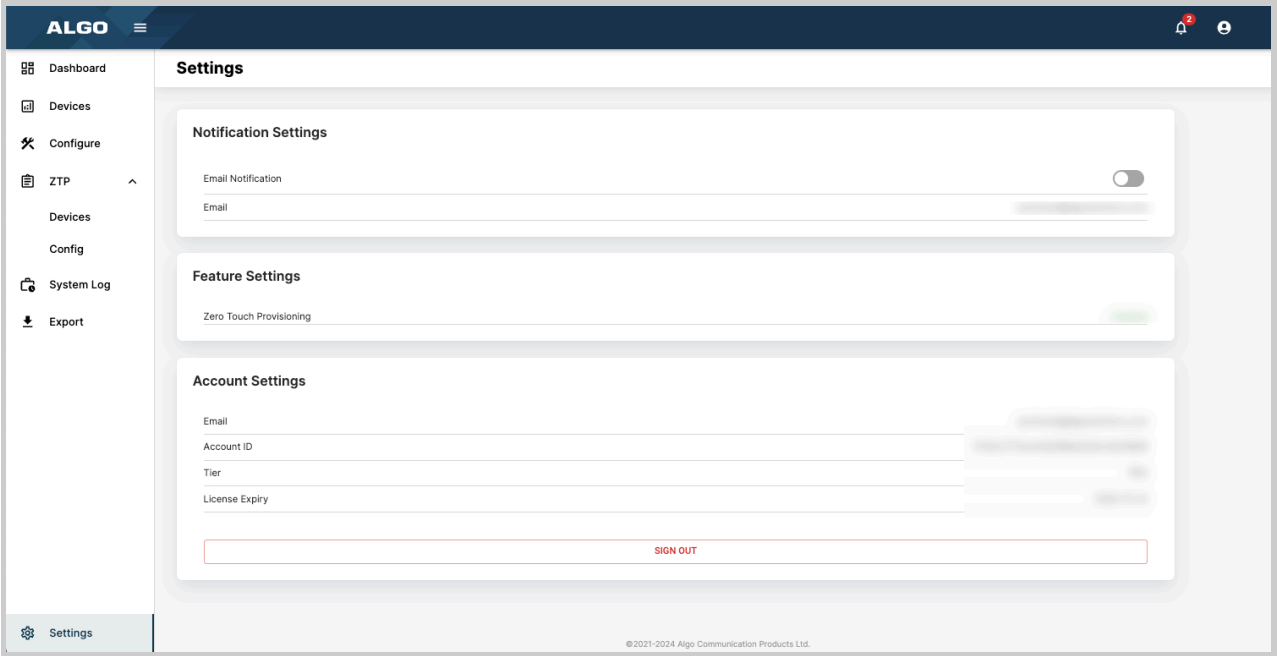


Configuration files can be edited by selecting **Push Config**. This will open the page to select devices, however, you can click **Select Configuration Values** at the top of the window to edit the configurations.



# Settings

The Settings menu displays your account settings and license details.



## Notification Settings

|                    |   |
|--------------------|---|
| Email Notification | Turn on to receive email notifications about: <ul style="list-style-type: none"><li>• <b>Disconnection:</b> You will be notified when I device is disconnected from ADMP</li><li>• <b>Back Online:</b> You will be notified when a device is re-connected to ADMP</li></ul> |
|--------------------|---|



|       |  |
|-------|--|
|       | <ul style="list-style-type: none"><li>• <b>Fault Detection:</b> 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.</li></ul> |
| Email | The individual user email address used to log into the ADMP account. This is a read only field and cannot be edited.   |

Device Table Settings

|                        |  |
|------------------------|--|
| Enable Compact View    | Enabling this setting will make the rows of the device table shorter to display more devices at a time. This can also be controlled directly on the Device page at the bottom of the device table. |
| Local IP Link Protocol | Select <b>HTTP</b> or <b>HTTPS</b> to automatically use when accessing your devices locally. This can be helpful to control depending on the uploaded certificates and your encryption settings.   |
| Rows Per Page          | Select the number of rows in the device table to show per page. Up to 40 can be viewed at a time. This can also be controlled directly on the Device page at the bottom of the device table.       |

Feature Settings

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

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.<br>An Account ID is required to connect a device to ADMP.                      |
| Tier       | There are three kinds of account tiers: Trial, Pro, and Perpetual. See <a href="#">section 2.1</a> 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. |
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