

ALGO Fuze Recommends Instructions

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Fuze Recommends, is a beta technical partner project from Fuze where recommendations for hardware and or software can be made and published by the vendor of equipment that has been found to operate within Fuze's recommended configuration guidelines.

The following configuration guidelines for these third-party services have been recommended as being compatible with Fuze existing SIP requirements.

Note: Fuze does not support Third Party Services so any subsequent configuration questions or issues must be directed to the third-Party vendor's Support Services.

Note: Fuze is subject to change connectivity requirements without notice and without further validation.

Note: The customer is responsible for maintaining the security of the device and supplied credentials. Fuze is not liable for any subsequent costs resulting from misconfiguration.

Algo Contact Information

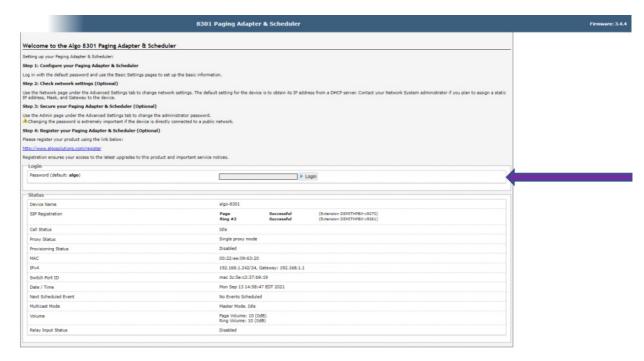
<u>info@algosolutions.com</u> – Sales and product questions <u>support@algosolutions.com</u> – Tech Support on Products

Document Control	
Fuze Recommends – Algo Configuration Guidelines for Fuze	
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Author	Doug Smith - Senior UCaaS Network Consultant
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Logging into the Algo

- Log into the web interface by typing the device's IP address in the web browser. For device-specific
 instructions to discover the IP address, check its User Guide, typically supplied with the unit or use the Algo
 Network Device Locator.
- 2. Enter the default password (algo)





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Algo Configuration Guidelines for Fuze

****UPGRADE THE FIRMWARE to 3.4.4****

www.algosolutions.com/firmware-downloads

Pick your IP endpoint and follow the instructions for the firmware currently installed.

Note: This process can take up to 45 minutes.

Note: You may be asked to reboot the unit during this process, but you don't need to until the end, However you will need to do it at least once.

Advanced Settings - Admin

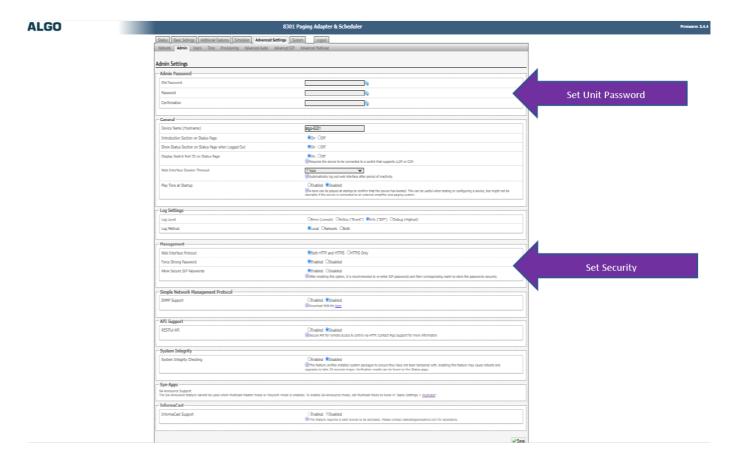
Here you will:

- 1. Set 'Force Strong Password' to Enabled (Optional, If you choose not to do this make sure you are still setting a strong password) Algo suggests 10 characters. 1 lower case, 1 upper case, 1 number, 1 special character
- 2. Set 'Allow Secure SIP Passwords' to Enabled.
- 3. Set a strong password to protect the device. This is mandatory to save the page

These are required for a secure unit. Once complete you can verify by downloading the configuration and noting

the passwords are encrypted. See System - Maintenance section below.

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MAKE SURE TO CLICK SAVE - Failure to do so will result in you losing what you just set.

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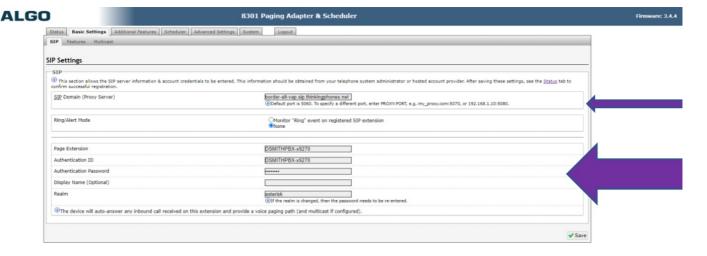
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Basic Settings - SIP

Note: This is for using the Algo endpoint as a paging extension. Here you will:

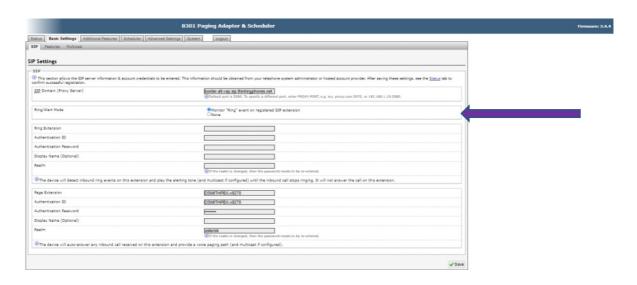
- Enter the Fuze supplied URL in the SIP Domain (Proxy Server) field
- Enter the SIP peer name in the page Extension and Authentication ID.
- Enter the password in the Authentication Password field. These credentials come from Fuze.
- · Enter the Realm which is asterisk



MAKE SURE TO CLICK SAVE – Failure to do so will result in you losing what you just set.

Note: To use the Algo IP endpoint as a night bell make sure Monitor "Ring" event... is selected. If no Multicast is being used, you can enter the Ringer credentials here, otherwise move to the next step.

ALGO



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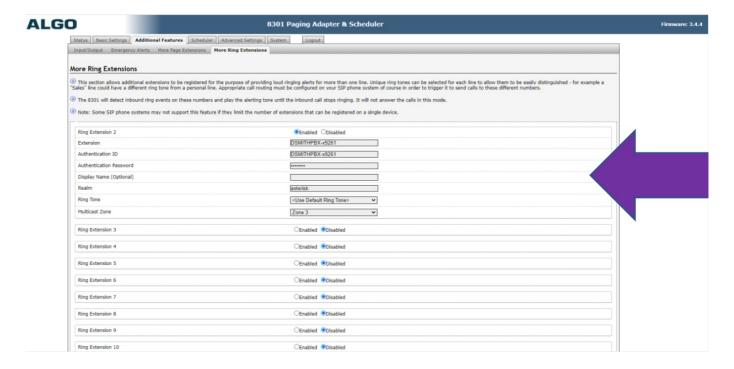
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Additional Features – More Ring Extensions (When using Multicast)

Next step is to add the Night bell/Ringer SIP credentials as the Ring Extension and set the appropriate Multicast Group if it is a Master unit.

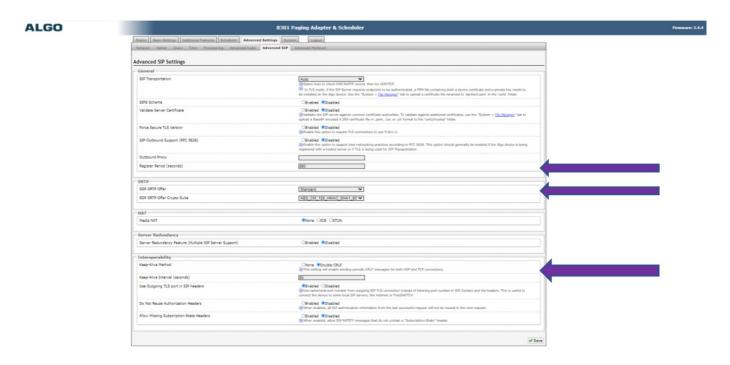


MAKE SURE TO CLICK SAVE - Failure to do so will result in you losing what you just set.

Advanced Settings - Advanced SIP

You will need to

- Set Register Period (Seconds) to 360
- · Set 'Standard' on SDP SRTP Offer
- Select Keep-Alive Method to Double CRLF
- Set the Keep-Alive Interval (seconds) to 30 This prevents premature NAT session timeout.



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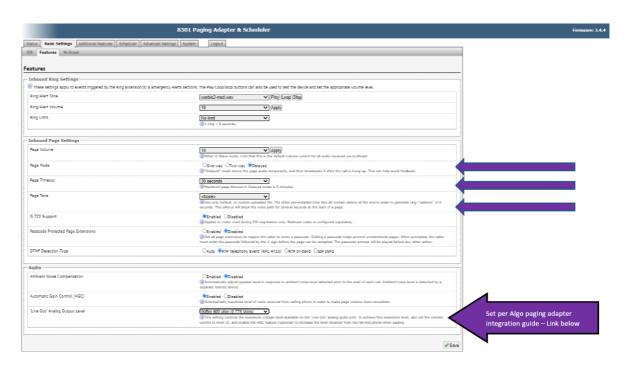
Basic Settings – Features

Here you will:

- Set the paging to delayed, avoiding feedback in case the person paging is directly below a speaker. This is optional, but highly recommended.
- Set the output to match the impedance of the paging system. You will find settings for some common paging systems in the Paging adapter amplifier integration guide on the Algo website. Link provided below.
- Set the volume for Ring/Alert Volume and Page Volume as required
- Turn off the Page tone if you don't want to hear a tone before the page plays
- Set the Page timeout to 30 seconds or so to avoid long pages. If someone puts paging on hold or park this
 prevents an extraordinarily long page.

NOTE: The Output setting is different on all models that have an output (i.e. 8180 has a direct 600 Ohm Unbalanced output only).

ALGO

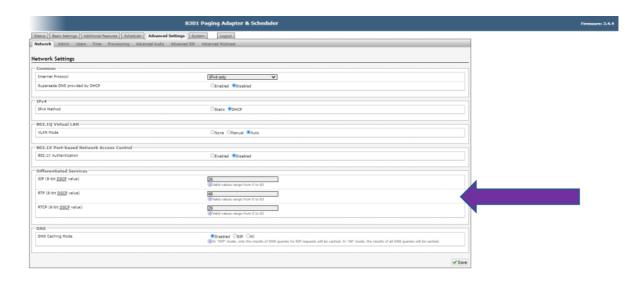


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Advanced Settings – Network

Enter QOS values to ensure voice priority. Once you click save you will be prompted to reboot. QOS Values are in the image below and are consistent across all Algo devices.

ALGO



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Advanced settings - Provisioning

This should be disabled unless you intend to maintain a provisioning server for these devices. Note: Fuze does not offer this service

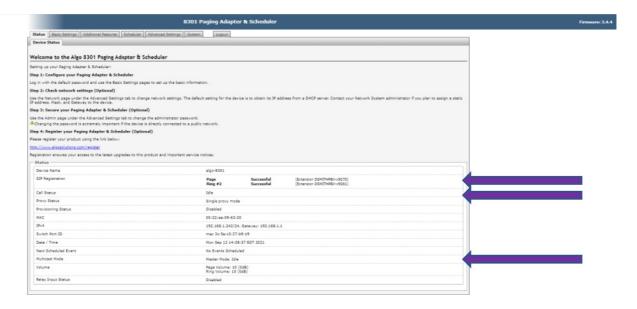


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Status

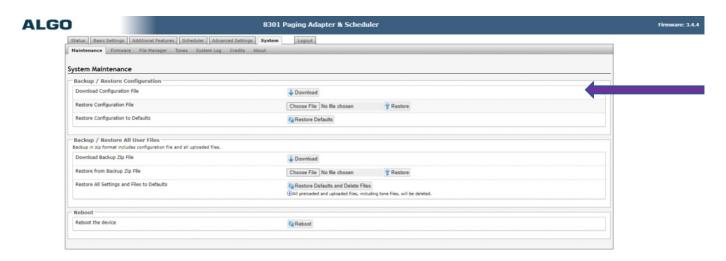
Verify your settings. You should see Successful for Page and if applicable Ringer Here you can see the call status (Recording, paging, ringing) You can also see the Multicast Mode in real time.

ALGO



System - Maintenance

Here is where you can download the configuration to verify the passwords are encrypted. You can also upload a previously saved config.



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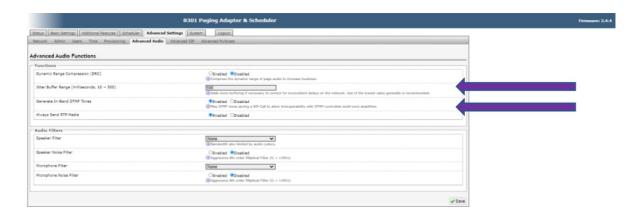
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Additional Information and Troubleshooting Steps

Advanced Settings - Advanced Audio

In some cases, you may want to increase the Jitter buffer to correct network latency. You can also enable DTMF passthrough here to Play DTMF tones during a SIP Call to allow interoperability with DTMF-controlled multi-zone amplifiers



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For connections to specific common paging systems

https://www.algosolutions.com/wp-content/uploads/2019/11/Paging-Adapter-Amplifier-Integration-Guide.pdf

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Documents / Resources



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Manuals+,