

Algo 8188 SIP Ceiling Speaker

1. Locate the device IP Address on the network and login from any web browser with the following url format: <http://192.0.0.0>
 - a. The above IP is only an example.
 - b. The default password is “algo” and this will also appear on the intro screen after you have accessed the device successfully via the web browser.
2. Log into the device with the default password provided.

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8188 SIP Ceiling Speaker Control Panel

Welcome to the Algo 8188 SIP Ceiling Speaker Control Panel

Setting up your SIP Ceiling Speaker:

Step 1: Configure your SIP Ceiling Speaker

Log in with the default password and use the Basic Settings pages to set up the basic information.

Step 2: Check network settings (Optional)

Use the Network page under the Advanced Settings tab to change network settings. The default setting for the device is to obtain its IP address from a DHCP server. Contact your Network System administrator if you plan to assign a static IP address, Mask, and Gateway to the device.

Step 3: Secure your SIP Ceiling Speaker (Optional)

Use the Admin page under the Advanced Settings tab to change the administrator password.

⚠ Changing the password is extremely important if the device is directly connected to a public network.

Step 4: Register your SIP Ceiling Speaker (Optional)

Please register your product using the link below:

<http://www.algosolutions.com/register>

Registration ensures your access to the latest upgrades to this product and important service notices.

Login

Password (default: algo)

Login

Status

Device Name	sipceiling		
SIP Registration	Page Ring #1	Successful Successful	(Extension 63064664) (Extension 63064694)
Call Status	Idle		
Proxy Status	Single proxy mode		
Security	TLS SRTP	Disabled Disabled	
Provisioning Status	None found		
MAC	00:22:ee:07:1f:e7		
IP	192.168.2.159		
Netmask	255.255.255.0		
Gateway	192.168.2.1		
Date / Time	Sat Feb 23 18:01:06 UTC 2019		
Multicast Mode	Slave Mode. Idle		
Volume	Page Volume: 4 (-18dB), Ring Volume: 4 (-18dB)		
Relay Input Status	Disabled		

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3. Click on > Basic Settings tab > SIP tab.
 - a. SIP Domain (Proxy Server): usbc.telecomsvc.com or uc70.telecomsvc.com
 - b. Ring/Alert Mode: click on the radio button “Monitor “Ring” event on registered SIP extension.
 - c. Ring Extension: enter the extension number.
 - d. Authentication ID: enter the SIP registration ID.
 - e. Authentication Password: enter the SIP registration password.
 - f. Page Extension: enter the extension number.
 - g. Authentication ID: enter the SIP registration ID.
 - h. Authentication Password: enter the SIP registration password.
 - i. Click SAVE

The screenshot shows the 'SIP Settings' configuration page. The 'Ring/Alert Mode' section has the radio button for 'Monitor "Ring" event on registered SIP extension' selected. The 'SIP Domain (Proxy Server)' field is empty. The 'Ring Extension', 'Authentication ID', and 'Authentication Password' fields are also empty. The 'Page Extension' section has empty fields for 'Page Extension', 'Authentication ID', and 'Authentication Password'. A 'Save' button is visible in the bottom right corner.

4. Click on > Advanced Settings tab > Network tab
 - a. Differentiated Services
 - i. SIP: 26
 - ii. RTP: 46
 - iii. RTCP: 46
 - iv. Click SAVE

The screenshot shows the 'Network Settings' configuration page. The 'Differentiated Services' section is highlighted with a red box. It contains three rows: 'SIP (6-bit DSCP value)' with a value of 26, 'RTP (6-bit DSCP value)' with a value of 46, and 'RTCP (6-bit DSCP value)' with a value of 46. A 'Save' button is visible in the bottom right corner.

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5. Navigate to the next sub tab > Advanced Audio
 - a. Jitter Buffer Range: change to 150

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Status Basic Settings Additional Features **Advanced Settings** System Logout

Network Admin Time Provisioning Tones File Manager **Advanced Audio** Advanced SIP Advanced Multicast

Advanced Audio Functions

Functions

Dynamic Range Compression (DRC) Enabled Disabled
Compress the dynamic range of page audio to increase loudness.

Jitter Buffer Range (milliseconds, 10 - 500)
Adds more buffering if necessary to correct for inconsistent delays on the network. Use of the lowest value generally is recommended.

Always Send RTP Media Enabled Disabled

Save

6. Navigate to the next sub tab > Advanced SIP
 - a. SIP Transportation: UDP
 - b. SDP SRTP Offer: Disabled
 - c. SIP Outbound Support (RFC 5626): Disabled
 - d. Outbound Proxy: usbc.telecomsvc.com or uc70.telecomsvc.com
 - e. Register Period (seconds): 300
 - f. Keep-Alive Method: Double CRLF
 - g. Keep-Alive Interval (seconds): 15
 - h. Click SAVE.

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Status Basic Settings Additional Features **Advanced Settings** System Logout

Network Admin Time Provisioning Tones File Manager **Advanced SIP** Advanced Multicast

✓ Saved
Setting changes have been saved and will be applied on the next call.

Advanced SIP Settings

General

SIP Transportation
Select Auto to check DNS NAPTR record, then try UDP/TCP.

SDP SRTP Offer

SIP Outbound Support (RFC 5626) Enabled Disabled
Enable this option to support best networking practices according to RFC 5626. This option should generally be enabled if the Algo device is being registered with a hosted server or if TLS is being used for SIP Transportation.

Outbound Proxy

Register Period (seconds)

NAT

Media NAT None ICE STUN

Server Redundancy

Server Redundancy Feature (Multiple SIP Server Support) Enabled Disabled

Interoperability

Keep-Alive Method None Double CRLF
This setting will enable sending periodic CRLF messages for both UDP and TCP connections.

Keep-Alive Interval (seconds)

Save

7. Navigate back to the Status tab and check that the device is registered.
 - a. If the device is not registered, recheck the following:
 - i. Sever entered
 - ii. Sip credentials
 - iii. Try rebooting the device
 - iv. Try rebooting the network.

User guide: [Algo8188 SIP Ceiling Speaker FW Version 1.5](#)