

RingCentral Provisioning Guide for All Algo SIP Endpoints

Need Help?

(604) 454-3792 or support@algosolutions.com

Introduction

An Algo SIP Endpoint may be provisioned as a Paging Device and/or with its own Digital Line on the RingCentral platform.

Paging Device Configuration

Paging devices can be provisioned to the system without a digital line. To page, dial *84. When prompted, enter the page group number followed by #.

Note: Paging devices cannot originate or receive regular telephone calls.

In the RingCentral web admin portal, go to “Phone & Devices” -> “Paging Devices”. Click on “+ Add Device”, enter a Device Nickname and click “Next”. The SIP credentials will be displayed, copy and paste them to the Algo device.

- RingCentral “SIP User ID” is entered into the Extension field
- RingCentral “Authenticate ID” is entered into the Authentication ID field
- RingCentral “Authenticate Password” is entered into the Password field
- RingCentral “SIP Server” and “Local SIP Port” are entered into the SIP Domain (Proxy Server) field

The screenshot shows the RingCentral web admin portal's SIP Settings page. The 'Basic Settings' tab is active. The 'SIP Domain (Proxy Server)' field is set to 'sip.ringcentral.com:5060'. The 'Ring/Alert Mode' section has 'None' selected. The 'Base/Page Extension' field is set to '16049008054*803667316024'. The 'Authentication ID' field is set to '803667316024'. The 'Authentication Password' field is masked with dots. A 'Save' button is visible at the bottom right.

RingCentral "Outbound Proxy" and "Outbound Proxy Port" are entered into the Outbound Proxy (Advanced Settings -> Advanced SIP) field.

The screenshot shows the 'Advanced SIP Settings' page in the Algo web interface. The 'Advanced Settings' tab is selected, and the 'Advanced SIP' sub-tab is active. The 'Outbound Proxy' field is highlighted with a red circle and contains the text 'sip10.ringcentral.com:5090'. Other fields include 'SIP Transportation' (Auto), 'SIPS Scheme' (Disabled), 'SDP SRTP Offer' (Disabled), and 'Register Period (seconds)' (3600).

Check registration status in the Algo web interface.

The screenshot shows the 'Device Status' page in the Algo web interface. The 'Device Status' tab is selected, and the 'Welcome to the Algo 8180G2 SIP Audio Alerter Control Panel' is displayed. The 'SIP Registration' status is highlighted with a red circle and shows 'Page Successful'. The 'Device Name' is 'sipalerter', 'Call Status' is 'Idle', and 'Proxy Status' is 'Single proxy mode'.

Status		
Device Name	sipalerter	
SIP Registration	Page Successful	(Extension 16049008054*803667316024)
Call Status	Idle	
Proxy Status	Single proxy mode	

Check registration status in the RingCentral web admin portal.

The screenshot shows the RingCentral web admin portal interface. On the left is a navigation sidebar with options: Company Info, Phone Numbers, Auto-Receptionist, 1 Group(s) / 0 Other(s), and Phones & Devices. The main content area has tabs for User Phones, Common Area Phones, Paging Devices (selected), Shared Lines, and Unassigned. Below the tabs is a search bar for 'Search Paging Devices' and a 'Status' dropdown menu. A '+ Add Device' button is in the top right. Below this is a 'Delete' button and a table with columns: Status, Name, Assigned Groups, and Operation. The table contains one entry: a green checkmark in the Status column, '8180 Paging Dev Test' in the Name column, 'Paging Test' in the Assigned Groups column, and a 'Delete' link in the Operation column. This row is circled in red.

Once the Paging Device has been created and registered, the next step is to add it to an existing Paging Group or create a new one. Go to “Group(s) / Other(s)” -> “Paging Only”. Click on “+ New Paging Only”, enter a Group Name and Extension Number, click “Save”. In the next window click “Yes” to configure the group.

Expand “Paging” and assign one or more devices to the Group.

The screenshot shows the RingCentral web admin portal interface for the 'Paging Only' configuration page. The top navigation bar includes Phone System, Users, Analytics, Call Log, Billing, and Tools. The main content area has tabs for Call Queues, Paging Only (selected), Shared Lines, Park Locations, Call Monitoring, and Others. Below the tabs is a search bar and a '+ New Paging Only' button. A descriptive text states: 'Paging Only groups enable real-time one-way broadcasting through multiple desk phones and overhead paging devices. [Learn more about paging](#)'. Below this is a table with columns: Status, Name. The table contains one entry: a green checkmark in the Status column and 'Paging Test' in the Name column. To the right of the table is a modal window titled 'Paging Test (Ext. 18)'. Inside the modal, the 'Paging Only Details' section is expanded to show the 'Paging' section, which is circled in red. Below it is the 'Devices to Receive Page' section, also circled in red, with the text 'Users Allowed to Page this Group'. A note states: 'Only-Paging capable phones are displayed in the list. You can select up to 25 devices.' Below this is a search bar and a 'Phone Type: All Phone T...' dropdown. A 'Show All | Show Selected (1)' link is present. Below the link is a table with columns: Phone Type, Phone Name, and Ext. The table contains one entry: a checked checkbox in the Phone Type column, 'Paging Device' in the Phone Name column, and '-' in the Ext. column. This row is circled in red.

Configure the permissions under “Users Allowed to Page this Group”.

The screenshot shows the ALGO web interface for configuring a Paging Only group. The left sidebar contains navigation options: Company Info, Phone Numbers, Auto-Receptionist, 1 Group(s) / 0 Other(s), and Phones & Devices. The main content area has tabs for Call Queues, Paging Only (selected), Shared Lines, Park Locations, Call Monitoring, and Others. Below the tabs, there is a search bar and a '+ New Paging Only' button. The main content area is divided into two sections: a list of groups and a detailed view for the selected group, 'Paging Test (Ext. 18)'. The group list shows a green checkmark and the name 'Paging Test'. The detailed view shows the 'Paging Only Details' section, which includes a 'Paging' section (highlighted with a red circle), a 'Devices to Receive Page' section (with 'Users Allowed to Page this Group' highlighted in a red circle), a search bar, a 'Department: All' dropdown, and a table of users. The table has columns for Name, Ext., and Department. The first row in the table has a checked checkbox and the extension number 103, which is also highlighted with a red circle. The other two rows have unchecked checkboxes and extension numbers 101 and 102.

Name	Ext.	Department
<input checked="" type="checkbox"/>	103	
<input type="checkbox"/>	101	
<input type="checkbox"/>	102	

Digital Line Configuration

A digital line can originate or receive regular telephone calls.

In the RingCentral web admin portal, go to "Phone & Devices" -> "User Phones". Click "+ Add Device". At step 3 "Buy Phones" choose "Other phones" and "Existing Phone". Keep following the steps until the end.

Once this is completed, click on "Setup & Provision" -> "Other Phones". Copy and paste the credentials to the Algo Endpoint (*check example above for Algo configuration screenshots*):

- RingCentral "SIP User ID" is entered into the Extension field
- RingCentral "Authenticate ID" is entered into the Authentication ID field
- RingCentral "Authenticate Password" is entered into the Password field
- RingCentral "SIP Server" and "Local SIP Port" is entered into the SIP Domain (Proxy Server) field
- RingCentral "Outbound Proxy" and "Outbound Proxy Port" are entered into the Outbound Proxy (Advanced Settings -> Advanced SIP) field.

Ensure registration on the Algo device Status tab and on RingCentral portal.

Status	Device	Assigned	Phone Number	Serial No.	Operation
✓	<u>Algo 8180</u>	Used Provision	(604) 227-2486	N/A	Setup & Provision
✓	Wireless Phone	Auto Provision	(904) 330-0000	QJ201907110	
✗	RingCentral Phone	Auto Provision	(703) 218-0100	N/A	
✗	Wireless Phone	Auto Provision	(813) 210-1100	QJ201907110	