




ALGO 8028 SIP Doorphone User Guide

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Algo

ALGO 8028 SIP Doorphone



Algo 8028-SIP Doorphone BG Admin Guide

The Algo 8028-SIP Doorphone is a device used for building access control. This product has a web-based administration interface called CommPortal BG Admin allows administrators to configure phone profiles for users. The following are the contents of the Algo 8028-SIP Doorphone BG Admin Guide:

- Logging into CommPortal BG Admin
- Using CommPortal BG Admin
- Building a new phone profile for users
 - Basic Setting
 - Advance Setting
 - Advance Multicast
 - Firmware
- Adding Algo 8028-SIP Doorphone to the BG Admin
- Accessing the CommPortal BG Admin interface

Product Usage Instructions

To use the Algo 8028-SIP Doorphone, follow these steps:

1. Log into CommPortal BG Admin by entering a phone number with administrative access, and password, and click on Login. If this is the first time you have logged in, you will be prompted to change your password.
2. Select a department if the phone model to be added is specific to one location. If the profile is to be used for the entire business, leave it blank. Click on “manage your phone profile”.
3. Select “Create a new profile” at the bottom of the page, then select “Algo 8028-SIP Doorphone”. The profile has been created on the BG Admin.
4. Customize the device’s settings by selecting “Basic Setting” or “Advance Setting”.
 - Basic Setting allows customization of speaker volume, enable and disable Automatic Gain Control, Answer Inbound Calls, Answer Tone, Outbound Ring Limit, Ringback Tone, Allow Call Button to End

Outbound Call, Cancel Ring if Door Opened, Maximum Call Duration.

- Advance Setting allows customization of Latch Closed Code DTMF code used by far-end phones to manually lock the door again after using Latch Open Code, Door Unlock Tone (play a brief tone on the door station speaker to indicate when the door is unlocked), Door Station Output (sets the function of the output on the Doorstation), Door Relay (sets the function of the high power `Door Relay` on the Controller unit), Door Open Alarm Tone (alarm tone will play if the door is open longer than the chosen Max Door Open duration), Door Open Alarm Duration (if a `door open` alarm condition occurs due to the door being held open).
- Advance Multicast allows customization of multicast settings for paging and intercom.
- The firmware allows firmware upgrades and downgrades.

Adding Algo 8028- SIP Doorphone to the BG Admin

Accessing the CommPortal BG Admin interface

To configure BG lines, and manage their BG's lines and services, a BG Administrator should log in to the CommPortal BG Admin interface using a separate login page for regular users. For example, a BG Administrator might log in at <https://commportal.airespring.com/bg>. The BG Administrator login page sends the BG Administrator to the BG Administrator section of the default web UI. CommPortal is supported on the latest versions of all major browsers and operating systems. This includes:

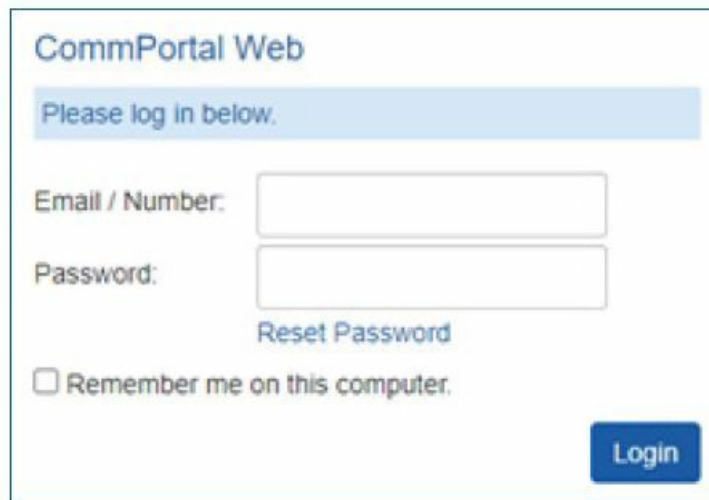
- Microsoft Internet Explorer version 11
- Edge
- Firefox version 3 or later
- Google Chrome (Windows only)
- Safari version 5 or later (Mac OS X only)

It is supported by the following operating systems:

- Microsoft Windows Vista
- Microsoft Windows 7
- Microsoft Windows 8
- Microsoft Windows 10
- Mac OS X 10.6
- Snow Leopard and later, although some features are only supported by later versions JavaScript must be enabled.

Logging into CommPortal BG Admin

The following shows a sample CommPortal login page.



CommPortal Web

Please log in below.

Email / Number:

Password:

[Reset Password](#)

☐ Remember me on this computer.

[Login](#)

FIGURE 1: COMMPORTAL LOGIN PAGE

- To log into CommPortal, follow these steps:
- Enter a phone number with administrative access.
- Enter the password.
- Click on Login.
- If this is the first time you have logged in, you will be prompted to change your password.

Using CommPortal BG Admin

Once you are logged into CommPortal you will see the Business Group Administrator's homepage.

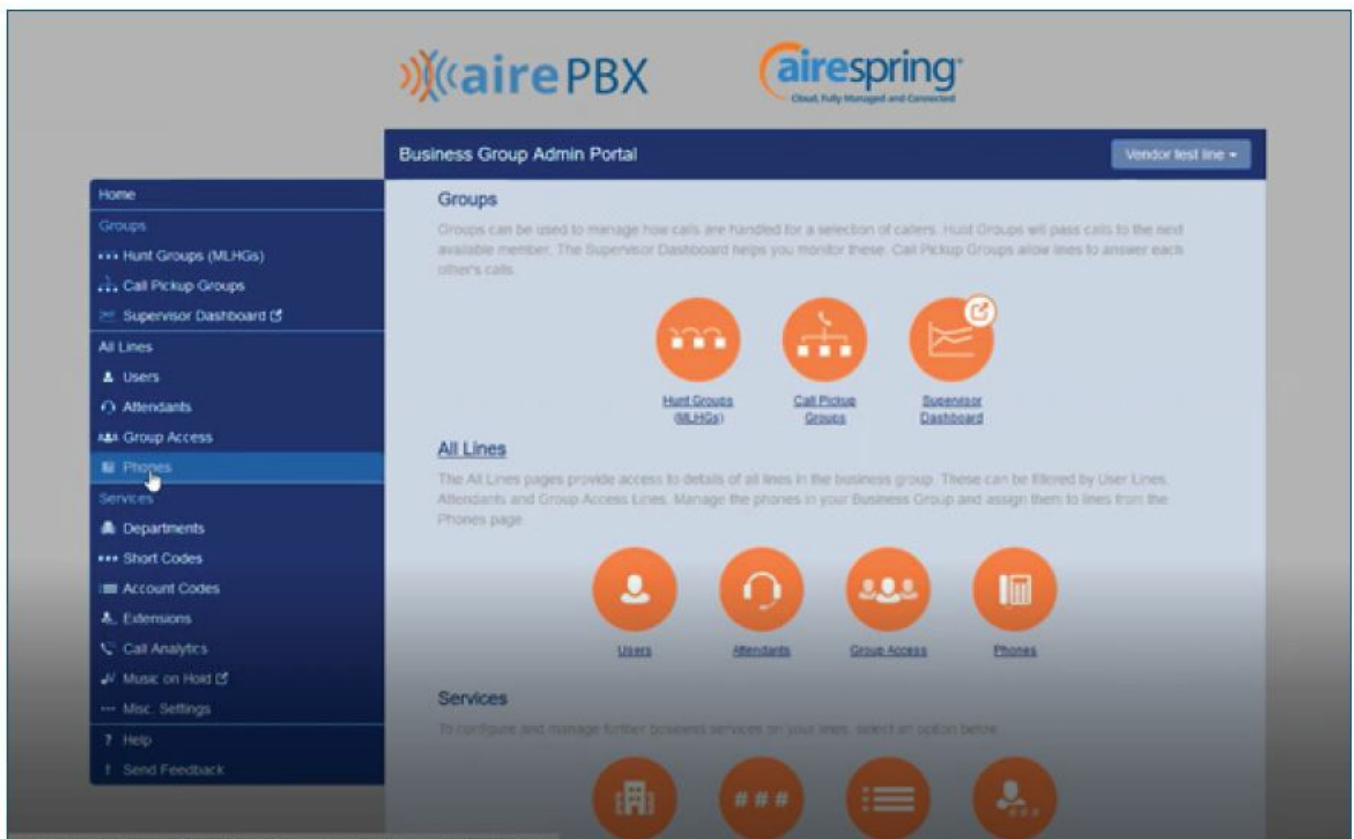


Figure 2: CommPortal Business Group Administrator homepage

Click on the Phones section on the left-hand side – you can view different departments in case customers have

multisite locations.

Building a new phone profile for users

Select a department if the phone model to be added is specific to one location. If the profile is to be used for the entire business, leave it blank. Click on manage your phone profile.

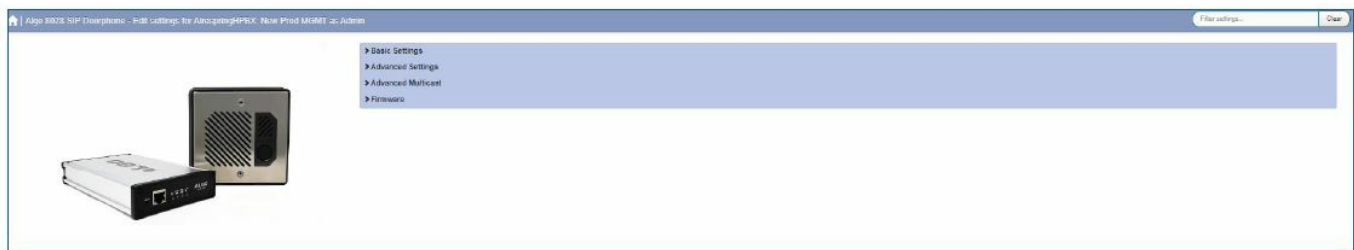
The screenshot shows the 'Business Group Admin Portal' for 'airePBX' and 'airespring'. The left sidebar contains navigation links: Home, Groups (Hunt Groups, Call Pickup Groups, Supervisor Dashboard), All Lines (Users, Attendants, Group Access, Phones), Services (Departments, Short Codes, Account Codes, Extensions, Call Analytics, Music on Hold, Misc. Settings), Help, and Send Feedback. The main content area is titled 'Phones in Department:' with a 'View All' dropdown. Below this are input fields for 'Select department' and 'Assign to Department', and 'Enter number...' and 'Assign to Line'. A table lists phone profiles with columns for Model, MAC Address, Description, Assigned to, and Department. The table contains 8 rows of data, including models like Q-IP450, Ben Kellner VVX500, and Grandstream GXP-2140.

Model	MAC Address	Description	Assigned to	Department
<input type="checkbox"/>	00 04 F2 30 05 26	Q - IP450		None
<input type="checkbox"/>	00 04 F2 56 1D 02	Ben Kellner VVX500		Vendor Test
<input type="checkbox"/>	00 04 F2 62 F0 F3	Danny VVX500		None
<input type="checkbox"/>	00 04 F2 6E 97 65	Polycom VVX400		None
<input type="checkbox"/>	00 0B 62 69 21 27	Grandstream GXP-2140	(281) 502 1076	Vendor Test
<input type="checkbox"/>	3C CE 73 D4 B4 A4	NetX FW Test		None
<input type="checkbox"/>	64 16 7F 01 17 80	Ben Kellner VVX411		Vendor Test

- On the next screen select “Create a new profile” at the bottom of the page.
- Then select Algo 8028- SIP Doorphone.
- The profile has been created on the BG Admin.

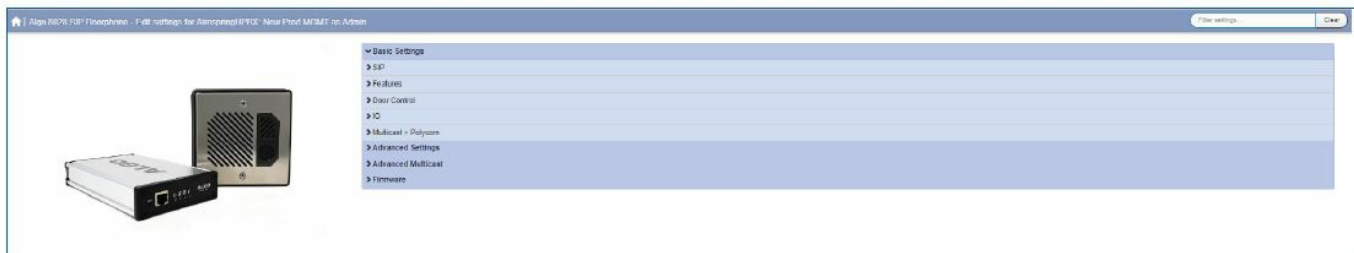
The screenshot shows the 'Manage your phones' section with a header 'Phone collection for AirespringPBX, New Prod MGM1 as Admin'. Below the header is a grid of 8 phone models, each with an image, name, and an 'Edit' button. The models are: Algo 8028 SIP Doorphone, Grandstream HT812, Poly Trio 8300, Yealink SIP-CP965, Yealink SIP-T53/T53W, Yealink SIP-T54W, Yealink SIP-T57W, and Yealink SIP-W60B.

Phone Model	Edit
Algo 8028 SIP Doorphone	<input type="button" value="Edit"/>
Grandstream HT812	<input type="button" value="Edit"/>
Poly Trio 8300	<input type="button" value="Edit"/>
Yealink SIP-CP965	<input type="button" value="Edit"/>
Yealink SIP-T53/T53W	<input type="button" value="Edit"/>
Yealink SIP-T54W	<input type="button" value="Edit"/>
Yealink SIP-T57W	<input type="button" value="Edit"/>
Yealink SIP-W60B	<input type="button" value="Edit"/>



Basic Setting

- **SIP**
- **Extension** – The SIP extension that the 8028 Doorphone uses to register with the phone system.
- **Dialing Extension** – The target phone number that 8028 will dial when the call button is pressed.



Features

- In this section, you will be able to customize speaker volume, enable and disable Automatic Gain Control, Answer Inbound Calls, Answer Tone, Outbound Ring Limit, Ringback Tone, Allow Call Button to End Outbound Call, Cancel Ring if Door Opened, Maximum Call Duration.

Door Control

- Momentary Open Code DTMF code is used by a far-end phone to unlock the door for a brief period. Maximum length 4 digits.
- Momentary Open Duration Length of time for the door to remain unlocked when Momentary Open Code is entered.
- Cancel Relay if Door Opened Immediately lock the door again after the first opening is detected, to prevent tailgating. Door sensor hardware and configuration are required.
- Latch Open Code DTMF code is used by far-end phones to unlock the door and leave it latched in this state for an indefinite period of time (no automatic relock). Maximum length 4 digits.
- Latch Closed Code DTMF code is used by far-end phones to manually lock the door again after using Latch Open Code. Maximum length 4 digits.
- Door Unlock Tone Play a brief tone on the door station speaker to indicate when the door is unlocked.

IO

- Controller Input Sets the function of the input port on the Controller unit.
- Controller Input Mode Set the Controller Input mode to normally open or normally closed.
- Door Station Input Sets the function of the input port on the Doorstation.

- Station Input Mode Set the Station Input mode to normally open or normally closed.
- Call Button Backlight Set to turn on or off the backlight of the Call Button on the Doorstation.
- Controller Output Sets the function of the output on the Controller unit (low power switching only – see User Guide for electrical spec).
- Door Station Output Sets the function of the output on the Doorstation (low power switching only – see User Guide for electrical spec).
- Door Relay Sets the function of the high-power 'Door Relay' on the Controller unit (typically used as 'Door Control' but can be changed if desired to another function).
- In-Use Definition Changes the details of the definition of 'In-Use' for the output settings above.
- Aux 24V output Mode Set Auxiliary 24V output, this setting requires a PoE+ connection
- Display Auxiliary Power State on Status Page Enable to display auxiliary power state on the status page.
- Current Limit Set the current limit to high or low.
- Max Door Open Time after which to generate an alarm condition if the door remains physically open.
- Door sensor hardware and configuration are required.
- Door Open Alarm Tone Alarm tone will play if the door is open longer than the chosen Max Door Open duration.
- Door Open Alarm Duration If a 'door open' alarm condition occurs due to the door being held open (after the time defined above), a call with a recorded warning message can occur, repeated at this frequency.
- Door Station Disconnect Alarm Tone The tone will be played when Door Station is disconnected.
- Door Station Disconnected Max Alarm Duration If the door station is disconnected (due to removal or a wiring fault), a call with a recorded warning message can occur, repeated at this duration.

Multicast > Polycom

- Polycom Zone Enter the same Multicast IP Address & Port number as configured on the Polycom phones.
- Polycom Slave Channels/ Playback Groups Polycom slave subscription groups allows the master device to play audio for selected groups only. This is useful if using DTMF Selectable Group mode (Group 1-25).

Advance Setting

Network

- VLAN Mode -Do not enable this setting if the network switch already assigns a VLAN
- Differentiated Services SIP (6-bit DSCP value) -Enter a value in regular (decimal) format (usually 46)
- Differentiated Services RTP (6-bit DSCP value) – Enter a value in regular (decimal) format (usually 46)

Admin

- Device Name (Hostname) This field can be used to distinguish between multiple devices. It is displayed in the 'Algo Network Device Locator' software tool.
- Play Tone at Startup – A tone can be played at startup to confirm that the device has been booted.
- System Integrity Checking – This feature verifies installed system packages to ensure they have not been tampered with. Enabling this feature may cause reboots and upgrades to take 30 seconds longer.
- Verification results can be found on the Status page.

Time

- Timezone – Required for daily configuration retrieval.
- NTP Time Server 1 -Required for daily configuration retrieval. NTP server 199.195.180.249 preset for Airespring. May be changed by the customer.
- NTP Time Server Source – By default, if an NTP Server address is provided via DHCP Option 42, this will be used instead of the options above.

Provisioning Advance Audio

- Dynamic Range Compression (DRC) – Compresses the dynamic range of page audio to increase loudness.
- Dynamic Range Compression Gain (DRC enabled) – Specify the amount of compression gain. More gain increases distortion.
- 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.

Advance SIP

- SIP Transportation – Select UDP or TCP, with TCP set as the default.

Advance Multicast

In this section you will be able to customize: Slave Settings

- Audio Syn (0-1000 milliseconds) – By adding an audio delay of up to one second, the device may be synchronized with other speakers or telephones that have greater latency. Polycom Slave Tone (Group 1 -25)
- Polycom Group Page/Push-to-Talk should be enabled in Basic Settings > Multicast. When an Algo device is the multicast master, a page tone will play on the slave device, so it is recommended to set the slave tone to 'None'.

Firmware


- For information only.

Contact us at 888-389-2899



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Documents / Resources

	<p>ALGO 8028 SIP Doorphone [pdf] User Guide 8028 SIP Doorphone, 8028, SIP Doorphone, Doorphone</p>
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References

-  [AireSpring - Cloud, Fully Managed and Connected](#)
-  [Airespring Administrator](#)

Manuals+.