



# BT Cloud Voice Algo Specialist Devices User Guide

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## BT Cloud Voice Algo Specialist Devices – Configuration Guide

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## Cloud Voice Algo Specialist Devices

### Setup Overview

1. Gather the MAC address of the Algo device
2. On the BT Cloud Voice Business Portal, create a new user (i.e. Factory Bell or Bell Extn), assign a User Feature Pack, create and assign the Algo device to the User
3. Log into the Algo device and configure the BT Cloud Voice auto-provision settings
4. Reboot the Algo

5. Check the device is registered in the BT Cloud Voice Business Portal
6. Continue to configure the paging, ringing and emergency announcement features as required in BT Cloud Voice Business Portal

### Provisioning – DMS path for each device

To simplify the provisioning process, the configuration and firmware is controlled centrally by our Cloud Voice platform and parameters can be modified in life using the BT Cloud Voice Business Portal.

Before an Algo device can register to the BT Cloud Voice service a Static Server Address and Config & Firmware Path will need to be input into each device.

All devices will use the same Static Server Address however each model has its own Config and Firmware download paths. The following table lists the specific Config and Firmware download paths:

#### Static Server Address

<https://dm-ipcomms.bt.com/>



### Config & Firmware Download Path

dms/Algo\_8128\_Visual\_Alerter/

dms/Algo\_8138\_Visual\_Alerter/

dms/Algo\_8180\_G2\_Audio\_Alerter/

dms/Algo\_8186\_Horn\_Speaker/

## Business Portal Configuration

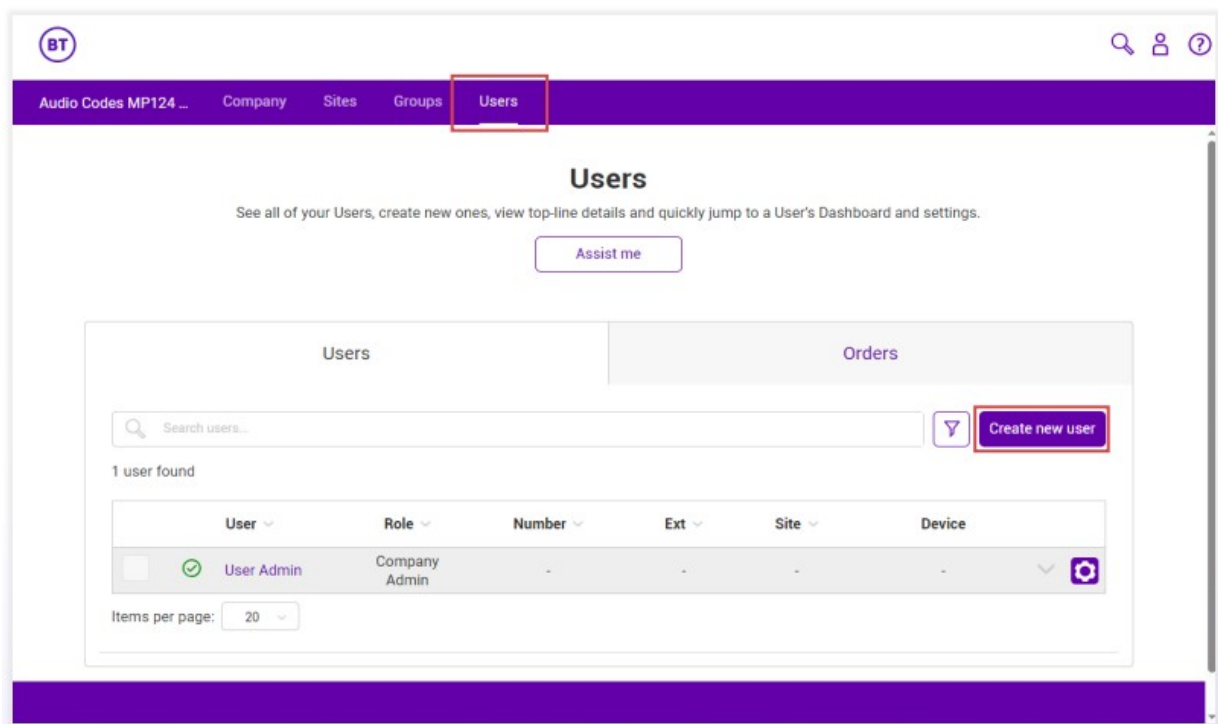
### Part 1

#### Provisioning a new Algo device on Business Portal

1. Select Users from the heading menu

This screen will display a list of Users against your Cloud Voice service

2. Select Create new User



The Create new user form will appear on the right-hand side of the screen

3. Select User as the role type and then click Continue

**Create new user**

Select new user role

- ☒ **User**  
A chargeable user type that is provided with a communications service, including access to this portal to manage their service and where necessary, customise features.
- ☐ **Company administrator**  
Full control to make changes to all sites and users assigned to the Company. This user type can also be provided with a communication service if required, but note that adding service is chargeable.
- ☐ **Site administrator**  
Full control to make changes to particular site/s and the users assigned to those site/s. This user type can also be provided with a communication service if required, but note that adding service is chargeable.
- ☐ **Group administrator**  
Full control to make changes to particular user/s assigned to those group/s. This user type can also be provided with a communication service if required, but note that adding service is chargeable.

**Users**

See all of your Users, create new ones, view top-line details and quickly jump to a User

Assist me

Search users...

1 user found

User	Role	Number	Ext	Site
<input checked="" type="checkbox"/> User Admin	Company Admin	-	-	-

Items per page: 20

Cancel Continue

#### Stage 1 – Create the identity of the user

4. Select the Site on which the user's service will be provisioned from the drop-down list
5. Enter appropriate details for the new User (Title, First name, Last name, Email address) then click Continue

**Create new user**

1 — 2 — 3 — 4 — 5

Account details

This user may be chargeable. Please ensure you are familiar with pricing before set-up.

**Site**

Audio Codes MP124

This is the site on which the user's service will be provisioned.

**Title**

None

**First name** **Last name**

Factory Bell

**Email address**

extn\_b...@...co.uk

Cancel Continue

#### Stage 2 – Allocate a UFP to the user

6. Select IP Centrex User from Technology Type drop-down list
7. Select a User licence type from the available list, then click Continue

#### Stage 3 – Allocate add-ons to the user

8. Where applicable select any addons, then click Continue

**Create new user**

1 — 2 — 3 — 4 — 5  
User licence details

**Technology type**

Select technology type...

IP Centrex User

**Create new user**

1 — 2 — 3 — 4 — 5  
User licence details

**Technology type**

IP Centrex User

**User licence**

Please select one of the licences:

	Used/Total
<input type="radio"/> BT Cloud Voice Connect	0/0
<input checked="" type="radio"/> BT Cloud Voice Basic	19/20
<input type="radio"/> BT Cloud Voice Collaborate	0/0

**Create new user**

1 — 2 — 3 — 4 — 5  
Select add-ons for BT Cloud Voice Basic

**There are no add-ons associated with this user licence.**

Cancel Previous Continue

Cancel Previous Continue

Cancel Previous Continue

Stage 4 – Allocate a Public DN to the user

9. Select a Number from the drop-down list
10. Ensure the Extension number is valid and then click Continue

**Create new user**

1 — 2 — 3 — 4 — 5  
Numbering

**Number**

0113

**Extension**

The extension number needs to be 4 digits long.

**Caller ID**

**First name** **Last name**

Factory Bell

This is what is displayed to other people when this user makes an outbound call, providing the receiving device supports it.

Cancel Previous Continue

**Create new user**

1 — 2 — 3 — 4 — 5  
Numbering

**Number**

0113

**Extension**

1420

The extension number needs to be 4 digits long.

**Caller ID**

**First name** **Last name**

Factory Bell

This is what is displayed to other people when this user makes an outbound call, providing the receiving device supports it.

Cancel Previous Continue

Stage 5 -Associate the user to a device

11. Select Build a new device from the drop-down list
12. Enter a Device name
13. Select the device type from the Model drop-down
14. Enter the MAC address associated to the Algo device.

## 15. Select Paging as the Port Type

**Note:** the first port you build, must always be a paging extension, and the Business Portal will enforce that.

## 16. Click Create User

The 'Create new user' form consists of several sections:

- Device to be used:** A dropdown menu with options: No device, Existing device, and Build a new device (highlighted).
- Device name:** A text input field containing 'Factory Bell'. A note below states: 'Remember when setting the device name that once saved, it cannot be edited.'
- Model:** A dropdown menu with options: Algo 8128 Visual Alerter, Algo 8138 Visual Alerter, Algo 8180 G2 Audio Alerter (selected), Algo 8186 Horn Speaker, and AudioCodes Mediant 500Li 4S MSBR FXS.
- MAC address:** A text input field containing '0022ee12988b'.
- Port type:** A dropdown menu with the option: Paging (selected).
- Warning:** A message box states: 'The first port of a new device must be used as a paging port. Only existing devices can be assigned using an emergency announcement port.'
- Buttons:** Cancel, Previous, and Create user.

The Users screen will update to include the new user that has just been created.

User	Role	Number	Ext	Site	Device	
Factory Bell	User (restricted)	0110000000000000	1420	Audio Codes MP124	Algo 8180 G2 Audio Alerter	

## Algo Device Configuration

### Cloud Voice – Algo device configuration

To begin you must log into the Algo device and input the Cloud Voice provisioning details. – before you can do this you must determine the IP address associated to the device.

#### How to determine the IP address of a device

- Algo devices are set to DHCP by default. Connect the device to your local network and power up
- For the 8180 G2 Audio alerters there's an IP address button on the back, if you press it after the device has finished the DHCP exchange it will announce the IP address.
- For the horn speaker and the visual alerters you must look on the router/switch GUI to see what DHCP address has been assigned.

### Cloud Voice – Algo device configuration

1. Open a web browser and type the IP address of the Algo device into the navigation bar. This will take you to a log in screen for the Algo device.

Example: [https://\[IP Address you just determined\]](https://[IP Address you just determined]) You should now see the Algo login page.

2. Enter the password and press the Login button

The default password is algo.

**ALGO** 8180 IP Audio Alerter (G2) Firmware: 5.3.

Welcome to the Algo 8180 IP Audio Alerter (G2)

Setting up your IP Audio Alerter:

**Step 1: Configure your IP Audio Alerter**  
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 IP Audio Alerter (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 IP Audio Alerter (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)

**Status**

Device Name	sipalerter-222f8d	
SIP Registration	Page	No Account
Call Status	Idle	
Proxy Status	Single proxy mode	
Provisioning Status	None Found	
MAC	00:22:ee:22:2f:8d	
IPv4	10.30.253.226/8, Gateway: 10.0.0.1	
Date / Time	Fri Nov 10 20:58:59 GMT 2023	
Multicast Mode	Disabled	
Volume	Page Volume: 4 (-18dB) Ring Volume: 4 (-18dB)	
Relay Input Status	Disabled	

3. Navigate to the Advanced Settings tab
4. On the sub menu, select the Provisioning tab
5. Under Server Method select Static
6. In the Static Server box enter  
<https://dm-ipcomms.bt.com/>
7. For Download Method, select HTTPS
8. In both the Config Download Path and Firmware Download Path enter the correct string for the specific device type.(see slide 3)
9. Click Save
10. Select Reboot



[Status](#)
[Basic Settings](#)
[Additional Features](#)
[Scheduler](#)
[Advanced Settings](#)
[System](#)
[Logout](#)

[Network](#)
[Admin](#)
[Users](#)
[Time](#)
[Provisioning](#)
[Advanced Audio](#)
[Advanced SIP](#)
[Advanced Multicast](#)

**Reboot Required**

Please reboot the device to apply all settings. [Reboot](#)

### Provisioning Settings

**Mode**

Provisioning Mode ☒ Enabled ☐ Disabled

---

**Settings**

Server Method

☐ Auto (DHCP Option 66/160/150)  
☐ DHCP Option 66 only  
☐ DHCP Option 160 only  
☐ DHCP Option 150 only  
☒ Static

Auto mode automatically checks all 3 DHCP options for an active provisioning server, in the order listed.

Static Server

---

Download Method ☐ TFTP ☐ FTP ☐ HTTP ☒ HTTPS

Validate Server Certificate ☐ Enabled ☒ Disabled

Auth User Name

Auth Password

---

Config Download Path

Firmware Download Path

---

Partial Provisioning ☐ Enabled ☒ Disabled

Allow support for "-i" incremental provisioning files. Disable for enhanced security if not using this feature.

[Save](#)

## Business Portal Configuration – Part 2

### Provisioning a new Algo device on Business Portal

From the Users screen click on the device.

User	Role	Number	Ext	Site	Device
Factory Bell	User (restricted)	0113-822-1420	1420	Audio Codes MP124	Algo 8180 G2 Audio Alerter

The device status page will be displayed, this provides a summary of the device including registration status. After configuring the Algo provisioning details and rebooting the device – it should be displayed as registered in the BT Cloud Voice Business Portal.

Primary

## Algo 8180 G2 Audio Alerter

Registered

[Assist me](#)

**Device summary**

Category: Specialist

Device name: Factory Bell

Model: Algo 8180 G2 Audio Alerter

MAC address: 0022ec12988b

Firmware: Algo-8180G2/1.7.6

**Assignment**

Site: Audio Codes MP124

Number: 0113-822-1420

Ext: 1420

Assigned to: Factory Bell

Last reboot request: -

[Actions](#)

### Provisioning a new Algo device on Business Portal

Below the summary status, all 31 ports of the device are listed.

The first 10 ports are designated to Paging, followed by 10 Ringing ports and 10 emergency announcement ports.

The final port is used to cancel emergency announcements.

Each line port can be configured using the cog icon.

**Note:** You cannot configure an emergency announcement until the cancel emergency port is configured.

Manage the settings and port assignment of the Alerter device.

None of the emergency announcement ports on the device can be assigned to a user until there is a user assigned to the cancel emergency port.

Port	Type	Assigned to	Number	
1	Primary paging	Factory Bell	011	
2	Paging	-	-	
3	Paging	-	-	
4	Paging	-	-	
5	Paging	-	-	
6	Paging	-	-	
7	Paging	-	-	
8	Paging	-	-	
9	Paging	-	-	
10	Paging	-	-	
11	Ringling	User 04	011	
12	Ringling	-	-	
13	Ringling	-	-	
14	Ringling	-	-	
15	Ringling	-	-	
16	Ringling	-	-	
17	Ringling	-	-	
18	Ringling	-	-	
19	Ringling	-	-	
20	Ringling	-	-	

21	Emergency announcement	-	-	
22	Emergency announcement	-	-	
23	Emergency announcement	-	-	
24	Emergency announcement	-	-	
25	Emergency announcement	-	-	
26	Emergency announcement	-	-	
27	Emergency announcement	-	-	
28	Emergency announcement	-	-	
29	Emergency announcement	-	-	
30	Emergency announcement	-	-	
31	Cancel emergency	-	-	

## Paging

1 — 2 — 3 — 4 — 5

Select device

Device to be used

Existing device

Device name

Factory Bell (58 lines available)

Model

Algo 8180 G2 Audio Alerter

MAC address

0022EE12988B

Port type

Paging

Cancel

Previous

Create user

To create paging extensions, you can either click the cog icon next to the device on the Device Status page or go through the New User process.

1. From the Select device page, select Existing Device from the Device to be used drop-down.
2. Under Device Name select the device built previously.
3. Select Paging from the Port type drop-down.
4. Click Create User


## Emergency Announcements





Before an Emergency announcement is built, the Cancel Emergency port must be set. A warning in Business Portal will alert and force users to create the Cancel Emergency port first.

Port type



Emergency announcement

 This port type cannot be used. There is no user assigned to the "Cancel emergency" port on the device configuration page.

Click on the cog icon next to Cancel emergency on the device status page to configure this

30	Emergency announcement	-	-	
31	Cancel emergency	-	-	

Once created, you will see a user assigned to the port and you can proceed with building the Emergency announcements.

30	Emergency announcement	-	-	
31	Cancel emergency	Spn M500-Port1	012123456789	

## Emergency Announcements

Create new user

1 — 2 — 3 — 4 — 5

Select device

Device to be used

Existing device

Device name

Factory Bell (58 lines available)

Model

Algo 8180 G2 Audio Alerter

MAC address

0022EE12988B

Port type

Emergency announcement

Cancel Previous Create user

To create emergency extensions, you can either click the cog icon next to the device on the Device Status page or go through the New User process.



1. From the Select device page, select Existing Device from the Device to be used drop-down.
2. Under Device Name select the device built previously.
3. Select Emergency announcement from the Port type drop-down.
4. Click Create User

## Ringling

## Ringing Extensions

Creating Ringing extensions are slightly different.



1. Click the cog icon next to an empty ringing port you wish to configure.

11	Ringing	User 04	011	
12	Ringing	-	-	
13	Ringing	-	-	

The manage port dialogue box will appear.

### Manage port 12

**Port user**  
Select a user to assign this device to them as a shared call appearance device.

 Select user... 



Cancel

Submit

2. Use the drop-down to select the User\* you wish the device to alert for.

### Manage port 12

**Port user**  
Select a user to assign this device to them as a shared call appearance device.

 Select user... 

User 06, 011, ext: 1406  
Total match found: 1

Cancel

Submit


3. click Submit

The new ringing extension will now display on the status screen.


## Manage port 12

**Port user**

Select a user to assign this device to them as a shared call appearance device.



User 06, 0  5, ext: 1406



Cancel

Submit

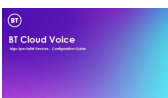
\*Only Users with Call Shared Appearance capability can be selected i.e. Connect and Collaborate users



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## Documents / Resources

	<p><b><a href="#">BT Cloud Voice Algo Specialist Devices</a></b> [pdf] User Guide</p> <p>Cloud Voice Algo Specialist Devices, Cloud Voice, Algo Specialist Devices, Specialist Devices</p>
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## References

- [User Manual](#)