



BT Cloud Voice

Algo Specialist Devices - Configuration Guide

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 screenshot shows the BT Business Portal interface. At the top, there is a navigation bar with the BT logo on the left and search, user, and help icons on the right. Below the navigation bar, there is a menu with items: Audio Codes MP124 ..., Company, Sites, Groups, and Users. The 'Users' item is highlighted with a red box. Below the navigation bar, the main content area is titled 'Users' and contains the text: 'See all of your Users, create new ones, view top-line details and quickly jump to a User's Dashboard and settings.' Below this text is an 'Assist me' button. Below the 'Assist me' button, there is a tabbed interface with two tabs: 'Users' and 'Orders'. The 'Users' tab is active. Below the tabs, there is a search bar with the placeholder text 'Search users...' and a filter icon. To the right of the search bar is a 'Create new user' button, which is highlighted with a red box. Below the search bar, there is a message '1 user found'. Below this message, there is a table with the following columns: User, Role, Number, Ext, Site, and Device. The table contains one row with the following data: a checkbox, a green checkmark, 'User Admin', 'Company Admin', '-', '-', '-', and a gear icon. Below the table, there is a dropdown menu for 'Items per page' with the value '20' selected.

Provisioning a new Algo device on Business Portal

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**

BT

Audio Codes MP124 ... Company Sites Groups Users

Users

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

Assist me

Users

Search users ...

1 user found

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

Items per page: 20

Cancel 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.

Provisioning a new Algo device on Business Portal

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_1111111111@e.co.uk

Cancel Continue

Provisioning a new Algo device on Business Portal

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 add-ons, then click **Continue**

The image displays three sequential screenshots of the 'Create new user' form in the Business Portal, illustrating the steps for provisioning a new Algo device.

Screenshot 1 (Left): Shows the 'Create new user' form with a progress indicator (1-5) where step 2 is active. The 'Technology type' dropdown menu is open, showing 'IP Centrex User' selected. The 'User licence details' section is visible but empty.

Screenshot 2 (Middle): Shows the 'Create new user' form with 'IP Centrex User' selected in the 'Technology type' dropdown. The 'User licence' section is highlighted, showing a table of available licences:

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

Screenshot 3 (Right): Shows the 'Create new user' form with step 3 active. A message box states: 'There are no add-ons associated with this user licence.' The 'Continue' button is highlighted.

Provisioning a new Algo device on Business Portal

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

Provisioning a new Algo device on Business Portal

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 image displays three sequential screenshots of the 'Create new user' form in the Business Portal, illustrating the steps for provisioning a new device.


First Screenshot: Shows the 'Create new user' form with a progress indicator at the top (1-5) where step 5 is highlighted. The 'Device to be used' dropdown menu is open, showing options: 'No device', 'Existing device', and 'Build a new device' (highlighted with a red box).

Second Screenshot: Shows the 'Device to be used' dropdown set to 'Build a new device'. The 'Device name' field contains 'Factory Bell' (highlighted with a red box). Below it, a note states: 'Remember when setting the device name that once saved, it cannot be edited.' The 'Model' dropdown is open, showing a list of device models: 'Algo 8128 Visual Alerter', 'Algo 8138 Visual Alerter', 'Algo 8180 G2 Audio Alerter', 'Algo 8186 Horn Speaker', and 'AudioCodes Mediant 500Li 4S MSBR FXS' (highlighted with a red box).

Third Screenshot: Shows the 'Device name' field with 'Factory Bell'. The 'Model' dropdown is set to 'Algo 8180 G2 Audio Alerter'. The 'MAC address' field contains '0022ee12988b' (highlighted with a red box). The 'Port type' dropdown is set to 'Paging' (highlighted with a red box). A warning message is displayed: '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.' At the bottom, the 'Create user' button is highlighted with a red box.

Provisioning a new Algo device on Business Portal

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

	User ▾	Role ▾	Number ▾	Ext ▾	Site ▾	Device	
<input type="checkbox"/>	<input checked="" type="checkbox"/> Factory Bell	User (restricted)	011 [REDACTED]	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**.

The screenshot shows the web interface for the ALGO 8180 IP Audio Alerter (G2). The header includes the ALGO logo, the device model name, and the firmware version (5.3). The main content area displays a welcome message and four setup steps: 1. Configure your IP Audio Alerter, 2. Check network settings (Optional), 3. Secure your IP Audio Alerter (Optional), and 4. Register your IP Audio Alerter (Optional). A red box highlights the login section, which contains a password input field (default: algo) and a Login button. Below the login section is a Status table with the following data:

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

Cloud Voice - Algo device configuration

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 "-" 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
<input type="checkbox"/>  Factory Bell	User (restricted)	0113-0000-1120	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.

Algo 8180 G2 Audio Alerter

 Registered

[Assist me](#)

Primary

Device summary		Assignment	
Category:	Specialist	Site:	Audio Codes MP124
Device name:	Factory Bell	Number:	0113-0000-1120
Model:	Algo 8180 G2 Audio Alerter	Ext:	1420
MAC address:	0022ee12988b	Assigned to:	Factory Bell
Firmware:	Algo-8180G2/1.7.6	Last reboot request:	-

Provisioning a new Algo device on Business Portal

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[REDACTED]	
2	Paging	-	-	
3	Paging	-	-	
4	Paging	-	-	
5	Paging	-	-	
6	Paging	-	-	
7	Paging	-	-	
8	Paging	-	-	
9	Paging	-	-	
10	Paging	-	-	
11	Ringing	User 04	011[REDACTED]	
12	Ringing	-	-	
13	Ringing	-	-	
14	Ringing	-	-	
15	Ringing	-	-	
16	Ringing	-	-	
17	Ringing	-	-	
18	Ringing	-	-	
19	Ringing	-	-	
20	Ringing	-	-	

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.

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

Paging

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

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

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	Spen M500-Port1	0121-8000-0000	

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**

Ring

Ringling Extensions

Creating Ringling extensions are slightly different.

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

11	Ringling	User 04	011		
12	Ringling	-	-		
13	Ringling	-	-		

The manage port dialogue box will appear.

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

3. click **Submit**
The new ringling 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.

Manage port 12

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

User 06, 01[redacted], ext: 1406
Total match found: 1

Manage port 12

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

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



