

Crestron Control + Amazon® Alexa™ Voice Recognition for Business



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Crestron + Alexa

Crestron and Amazon® Alexa™ Voice Recognition make it easy to start meetings and control devices in the conference room. Now with Alexa for Business, you can use your voice. Simply say, "Alexa, start my meeting."

- Launch a web conference or presentation.
- Build custom voice skills using the Alexa Skills Kit and the Alexa for Business APIs. You can learn more in Amazon's help section: <https://www.amazon.com/gp/help/customer/display.html?nodeId=202207210>
- Manage Alexa enabled devices via Amazon Web Services (AWS).
- Leverage shared Alexa devices across multiple meeting spaces.

Commands for Alexa:

"Alexa, turn on the lights."

"Alexa, set the temperature to cool."

"Alexa, ask Crestron to lower the shades."

"Alexa, start my meeting."

"Alexa, end my meeting."

"Alexa, turn off the lights."

How do I get started?

Connect Crestron products with Amazon Echo and Alexa via the [Amazon Web Services \(AWS\) Console](https://aws.amazon.com/console/).

- Log into the Amazon Web Services (AWS) Console: <https://aws.amazon.com/console/>
- Select **Alexa for Business** to:
 - Connect devices.
 - Enable skills.
 - Create skill groups.
 - Create room profiles.
 - Create rooms.
 - Create conferencing profiles.

The screenshot shows the AWS Alexa for Business console dashboard. At the top is the AWS navigation bar with the logo, 'Services', 'Resource Groups', and user information (Chns, N. Virginia, Support). The left sidebar lists navigation options: 'Alexa for Business' (selected), 'Rooms', 'Shared devices', 'Users', 'Skills', 'Configuration', 'Room profiles', 'Skill groups', 'Settings', 'Conferencing', 'Calendars', and 'User invitations'. The main content area is titled 'Dashboard' and features four progress indicators: 'Rooms created' (orange), 'Shared devices' (green), 'Users invited' (blue), and 'Skills enabled' (grey). Below this is a 'Getting Started' section with the text: 'Use Alexa to make your workplace smarter. Check out some of the features you can enable with Alexa for Business.' There are three video thumbnails: 1. 'Getting started with shared devices' by Sadie Mackay, titled 'ALEXA FOR BUSINESS How to Set Up Echo Devices'. 2. 'Creating rooms for shared devices' by Kevin Crews, titled 'ALEXA FOR BUSINESS How to Configure Rooms and Room Profiles'. 3. 'Enabling public and private skills' by Eric Chenmou, titled 'ALEXA FOR BUSINESS How to Enable Skills'.

How do I Connect Alexa enabled Devices?

- Access the Alexa for Business console from the AWS Dashboard.
- Select the Alexa enabled shared devices for use with Alexa for Business.
- Register the Alexa enabled devices to connect to your Wi-Fi® network using the Device Setup Tool.
- Configure room and conferencing profiles, and skill groups.

The screenshot displays the AWS Alexa for Business console interface. On the left, a navigation sidebar lists options: Rooms, Shared devices (highlighted), Users, Skills, Configuration, Room profiles, Skill groups, Settings, Conferencing, Calendars, and User invitations. The main content area is titled 'Shared devices' and includes a sub-header explaining the purpose of the page. Below this, there are buttons for 'Set up devices', 'Add to room', and 'Actions'. A table with columns 'Serial number', 'Type', 'Device name', 'Room', and 'Status' is visible, with a filter bar above it. Overlaid on the console is the 'Device Setup Tool' window. This window has a title bar and contains a section titled 'Select Alexa-enabled devices' with instructions. Below the instructions is a 'Search for devices' button and a list of devices under the heading 'Devices'. One device, 'Amazon-6PD', is listed with a signal strength indicator. To the right of this list is a 'Setting up' section with a progress bar and a 'Continue' button. Below the progress bar is a table showing the status of the device setup.

Device	Status
Amazon-ODL	Registering with Alexa for Business

Enable Skills

- Enable the Crestron for Smart Home and Conference Room skill from the Alexa for Business console.
- Link your Alexa for Business account with Crestron's master account.

The screenshot shows the AWS Alexa for Business console. The left sidebar contains navigation links: Rooms, Shared devices, Users, Skills (selected), Configuration, Room profiles, Skill groups, Settings, and Conferencing. The main content area is titled 'Skills' and includes tabs for 'Enabled skills', 'Alexa skills store', and 'Private skills'. A search bar shows 'crestron' with 'Viewing 1 - 3 items'. A table lists the 'Crestron for Smart Home and Conference Room' skill by 'Crestron Electronics, Inc.' with an 'Enable' button. A modal dialog titled 'Confirm Account Linking' is displayed, stating: 'This skill requires account linking in order to work with Alexa devices. You'll need to login with your account that is associated with this skill provider.' It features the Crestron logo and the text: 'Crestron for Smart Home and Conference Room. Use Alexa to control your Crestron home automation system or your Crestron powered conference rooms.' At the bottom of the modal are 'Close' and 'Link Account' buttons.

Create Skill Groups

- Select **Skill groups** from the Alexa for Business console.
- Click the **Create skill group** button and enter information for the new skill group.
- Return to Skills on the Alexa for Business console and open the Enabled skills tab.
- Select the checkbox next to the Crestron for Smart Home and Conference Room skill, and click **Add**.

The skill is added to all Alexa enabled devices associated with the skill group.

The screenshot displays the AWS Alexa for Business console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. The left sidebar lists navigation options: Rooms, Shared devices, Users, Skills, Configuration, Room profiles, Skill groups, Settings, Conferencing, Calendars, and User invitations. The main content area is titled 'Skill groups' and includes a description: 'Skill groups are collections of skills that Alexa for Business will use to enable skills on the Alexa devices in your rooms. All the skills in a skill group will be enabled for all the Alexa devices in a room that is assigned that skill group. Learn more'. It features 'Create skill group' and 'Delete skill group' buttons. Below is a table with columns 'Name' and 'Description'. A 'Create skill group' dialog box is open, prompting for a 'Name*' (e.g., 'Video conference rooms') and a 'Description' (e.g., 'Smart conferencing skills for video conference rooms'). To the right, the 'Add skill(s) to skill group' section shows a table with one skill: 'Crestron for Smart Home and Conference...' with a description 'Use Alexa to control your Crestron home automation system or your Crestron powered conference rooms.' and an 'Add' button.

Create Room Profiles

- Select **Room profiles** to create a Room profile from the Alexa for Business console.
- Create room profiles for every location and feature set by entering the appropriate information.

The screenshot shows the AWS Alexa for Business console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. The left sidebar lists navigation options: Rooms, Shared devices, Users, Skills, Configuration, Room profiles (highlighted), Skill groups, Settings, Conferencing, Calendars, and User invitations. The main content area is titled 'Create room profile' and contains the following fields and sections:

- Profile name***: A text input field with placeholder text 'A unique profile name'.
- Address***: A text input field with placeholder text '123 Sample Street, Seattle, WA 98101'.
- Time zone***: A dropdown menu with 'America/Los_Angeles' selected.
- Device settings**: A section containing:
 - Wake word**: A dropdown menu with 'Alexa' selected.
 - Temperature units**: Radio buttons for 'US (Fahrenheit)' (selected) and 'Metric (Celsius)'.
 - Distance units**: Radio buttons for 'US (Feet, inches)' (selected) and 'Metric (Meters)'.
 - Maximum volume**: A dropdown menu with '10' selected.
 - Device setup mode**: Radio buttons for 'On' (selected) and 'Off'.
- Outbound calling**: A section containing:
 - Outbound calling**: Radio buttons for 'Enabled' (selected) and 'Disabled'.

At the bottom right, there are 'Cancel' and 'Create' buttons. A note at the bottom left states '* Required information'.

Create Rooms

- Select **Rooms** from the Alexa for Business console.
- Click **Create room** to enter Room details, add Echo devices, add skill groups, and configure room identifiers.

aws

Services

Resource Groups

ChrisN. VirginiaSupport

Create room

Step 1: Room details

Step 2: Add Echo devices

Step 3: Add skill groups

Room details

A room maps to a physical location where you place a shared device for end user interaction. Examples of rooms include conference rooms, lobbies, and hotel rooms. All Alexa devices in a room inherit all the skills and settings configured for that room.

Room name*

e.g. Conference room

Room profile*

Chris's Profile (default)

View room profile

* Required information

CancelNext

aws

Services

Resource Groups

ChrisN. VirginiaSupport

Create room

Step 1: Room details

Step 2: Add Echo devices

Step 3: Add skill groups

Add Echo devices (optional)

Use the Device Setup Tool to setup devices.

Unassociated Only: trueFilter by device attributes

Viewing 1 - 1 of 1 items

Serial number	Type	Device name
90F00718630400DL	Echo	

Viewing 1 - 1 of 1 items

CancelPreviousNext

Set Up Conferencing Profiles

- Select **Conferencing** from the Alexa for Business console.
- Add a provider and edit meeting settings.
- Configure and edit dial-in settings.

The screenshot shows the AWS Alexa for Business console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information (Chris, N. Virginia, Support). The left sidebar lists navigation options: Rooms, Shared devices, Users, Skills, Configuration, Room profiles, Skill groups, Settings, Conferencing (highlighted), Calendars, and User invitations. The main content area is titled 'Add provider' and includes a breadcrumb 'Conference > Add provider'. Below the title is a section 'Enter a conferencing provider' with a 'Provider*' dropdown menu set to 'Custom conferencing provider' and a 'Provider name*' text input field. The next section is 'Meeting settings', which includes a 'Meeting ID' dropdown set to 'Required' and a 'Meeting PIN*' section with radio buttons for 'Optional', 'Required', and 'Not required'. The 'PSTN dial-in settings' section follows, with a description and a 'Learn more' link. It contains three input fields: 'Phone number', 'Meeting ID delay', and 'Meeting PIN delay', each with a placeholder and an information icon. The final section is 'SIP/H323 dial-in settings', with a description and a 'Learn more' link. It features a 'SIP/H323 dial-in*' section with a 'Protocol' dropdown and an 'IP address' text input field.

aws Services Resource Groups

Chris N. Virginia Support

Alexa for Business Conference > Add provider

Add provider

Enter a conferencing provider.

Provider* Custom conferencing provider

Provider name* Provider name

Meeting settings

When you start an instant meeting, Alexa for Business requires a meeting ID. You can also require a meeting PIN. [Learn more](#)

Meeting ID Required

Meeting PIN* ☐ Optional ☐ Required ☐ Not required

PSTN dial-in settings

Specify the telephone number and the dialing sequence to join your meetings. Alexa for Business uses the dialing sequence to join the audio conference in the background when using your Alexa device. [Learn more](#)

Phone number Phone number

Meeting ID delay Delay in seconds

Meeting PIN delay Delay in seconds

SIP/H323 dial-in settings

The SIP/H323 dial-in settings are used to join meetings using your existing video conferencing equipment. [Learn more](#)

SIP/H323 dial-in* Protocol IP address

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15 Volvo Drive
Rockleigh, NJ 07647
Tel: 888.CRESTRON
Fax: 201.767.7576
www.crestron.com

Getting Started - DOC. 8322B
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