

# Setting up an Amazon IoT Button to send email:

## Connecting the Button to your AWS Account

- Create an Amazon AWS account.
- Download AWS IoT Button Dev app from your smartphone app store.
- Launch the app and login with your AWS account information.
- For your first button, click the button icon to begin set-up.  
For subsequent buttons, click the “+” symbol in the upper-left corner of the screen.
- Follow the onscreen instructions to initialize your button.
  1. Scan your barcode for the button.
  2. Select your wi-fi network.
- When prompted to choose Button action, select “Send Email(nodejs)” and enter the email you wish to message.
- Click set action.
- If you get a green light on the button it is now completely set up to send emails.
- If you get a red light, most of these errors can be solved by returning to the homescreen view of the app, clicking the button which failed setup, and clicking delete. Deleting the button through the app will remove certificate information from the device and provide you with a clean slate to perform the set-up on again. Repeat set-up of the button through on screen instructions.

## Setting up the button function

- Go to [aws.amazon.com](https://aws.amazon.com) and click “Sign in to the Console” on a desktop computer.
- Once you have signed in, verify that you are in the same region as your button. To check this, click on the gear icon inside the AWS IoT button Dev app at the top right corner. In the top right corner of the AWS console, you should see your AWS account name and a region. If this region is different from that of your button, click the region and select the same region as your button from the drop-down menu.

- Now search “Lambda” in the AWS search bar. This will take you to the Lambda page where you may edit functions.
- Select the function you just created. The name should look like “[iotbutton\\_“YOUR DSN HERE”\\_iot-button-email-ses-nodejs](#)”. It also has a last modified column to help you navigate the functions.
- Now you will be on your function page. Scroll past the designer section, or collapse it by clicking the arrow on the side of “Designer” header. Under the “Function code” header you will see the javascript code for your function. If it does not load, refresh the page.
- At the bottom of the body of the javascript is a function “checkEmail”. Look for:

```
const subject = `Hello from your IoT Button ${event.serialNumber}`;
const bodyText = `Hello from your IoT Button ${event.serialNumber}. Here is the full event:
${payload}`;
```

- Replace the const subject variable’s text (`Hello from your IoT Button \${event.serialNumber}`) with your desired subject of the email.
- Replace the const bodyText variable’s text with your desired body text of the email.
- Click the Save button in the upper right hand corner of the page.
- Your button and function are now configured.

### **First run setup of your button**

- Click the button to send the subscription confirmation email. You should receive an email from [<no-reply-aws@amazon.com>](mailto:no-reply-aws@amazon.com), if you don’t find the email in your inbox after a few minutes, check your spam box as well. Click the link inside the email to subscribe to the button’s emails.
- Once you subscribe, you will get your first email from the button. Upon each update to your functions, you will have to re-subscribe to the button. Remember to check your spam box.