

## SERVICE AND APPLICATION NOTES

# Amazon Alexa

## Setup and Integration with iComfort E30, M30 and S30 Thermostats

### Applicable Thermostats

iComfort E30 and S30 1.0 and 2.0 Thermostats running Firmware Version 003.30.00 or later and M30 thermostat.

### Introduction

This section provides basic information on how to connect your Amazon device utilizing Alexa speech-recognition technology for your thermostat. Also provided are the voice commands that controls your thermostat.

The most current information provided by Lennox is available on the consumer portal at:

[www.lennoxicomfort.com](http://www.lennoxicomfort.com)

Go to the bottom right-side of the page and select the **click here for support** icon.

### Prerequisites

Make sure that:

- Alexa device (Echo, Tap, Echo dot) is turned on.
- Home Wi-Fi is on and connected to the internet.
- iComfort E30, M30 or S30 thermostat is connected to the same home Wi-Fi network and verified active connection to the Internet and signed in to your Lennox Consumer account.
- Your PC or laptop is connected to your home Wi-Fi

### Login or Setup Amazon.com Account

1. Open a web-browser on your PC or laptop and go to:

<http://alexa.amazon.com>

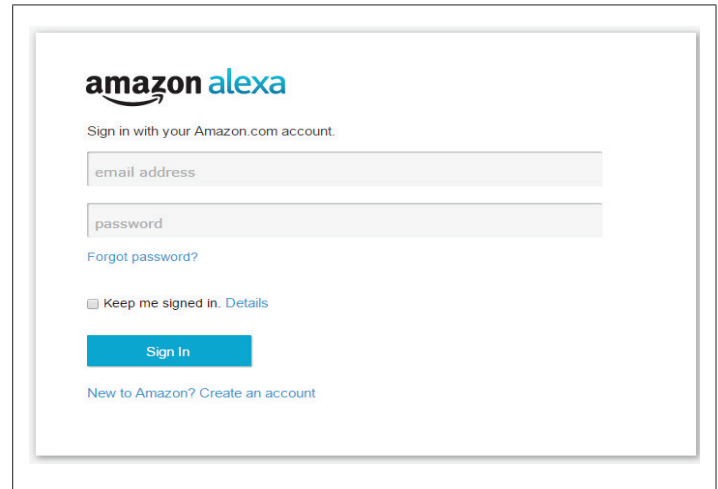


Figure 1. Amazon Alexa Login

2. If you do not have an Amazon account, click on “New to Amazon? Create an account”.



Figure 2. Create Amazon Account

3. Once you have either sign-in or setup an new account, then follow the instructions on the sing-in page and setup your Alexa device. The following are some sample screens of the setup process.

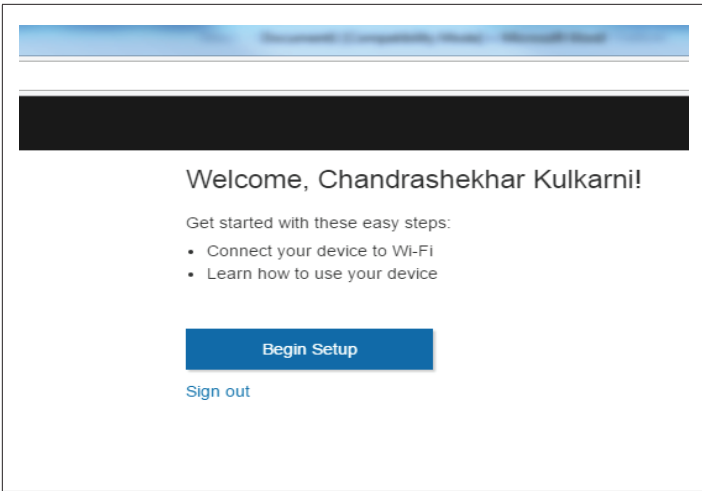


Figure 3. Begin Setup

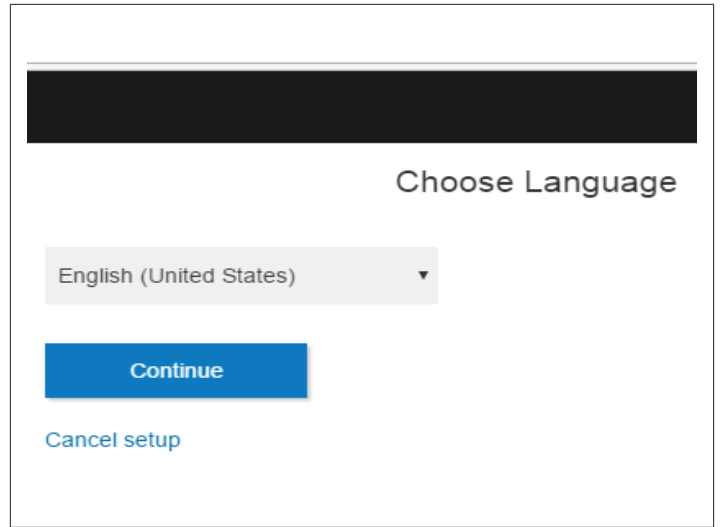


Figure 5. Select Language

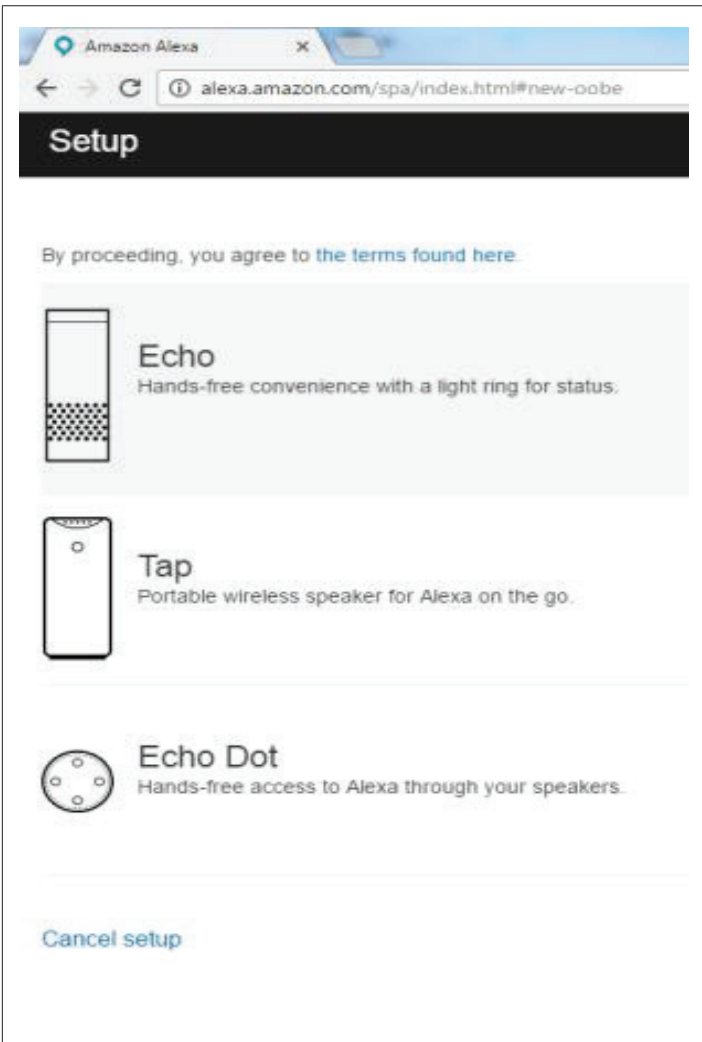


Figure 4. Select Alexa Device (Echo, Tap, or Echo Dot)

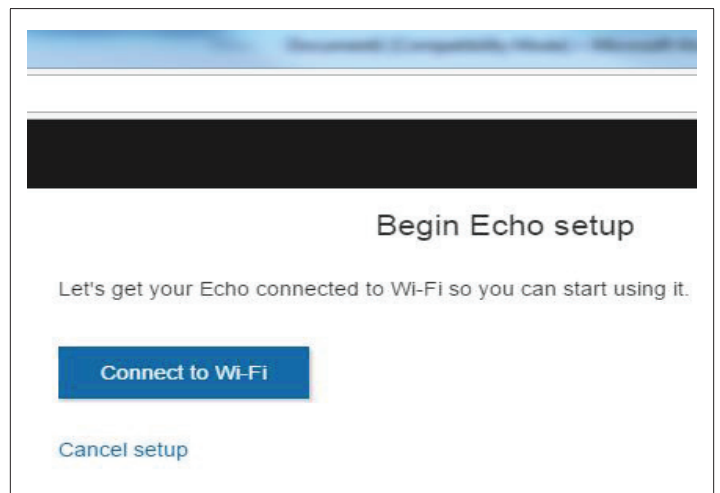


Figure 6. Connect to Wi-Fi

## iComfort Works with Alexa!

- Once the Alexa device setup is complete, then open a new tab in the same browser window and enter the below link .

<https://pitangui.amazon.com/api/skills/redirect-to-skill-authorization-uri?skillId=amzn1.ask.skill.18ced0a7-2cb3-4a4d-a7c2-bdf915f829be:stage=development>

- Sign in in to your Lennox iComfort E30, M30 or S30account.

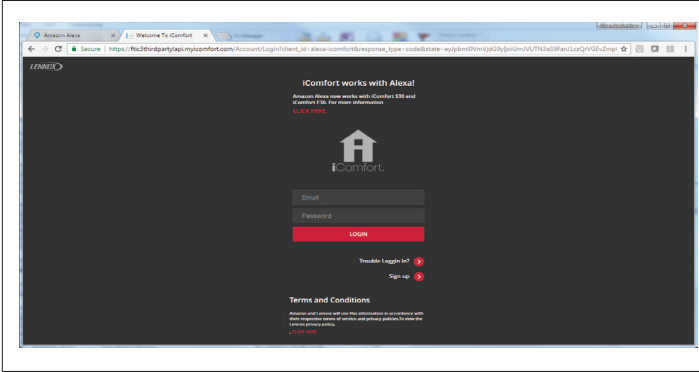


Figure 7. iComfort Login

- Once sign-in is successful the below screen will appear.:

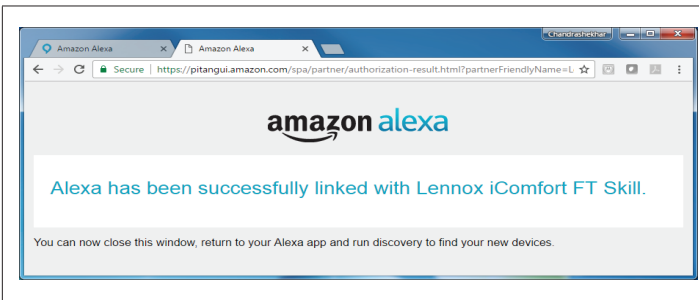


Figure 8. Login Successful

- Go back to the Alexa Home page tab, click on “Smart Home” on the left-side menu. You should be able to see “Lennox iComfort FT Skill” added to “Your Smart Home Skills”.
- Now, click on “Discover Devices” under “Your Devices” tab.

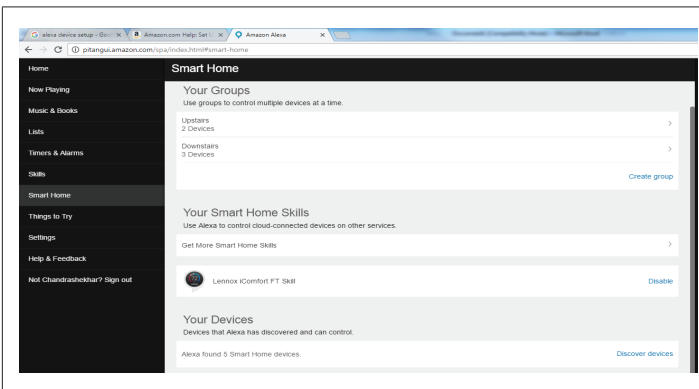


Figure 9. Smart Home

- After Device discovery, all Thermostats or their zones will be displayed under the “Your Devices” section.

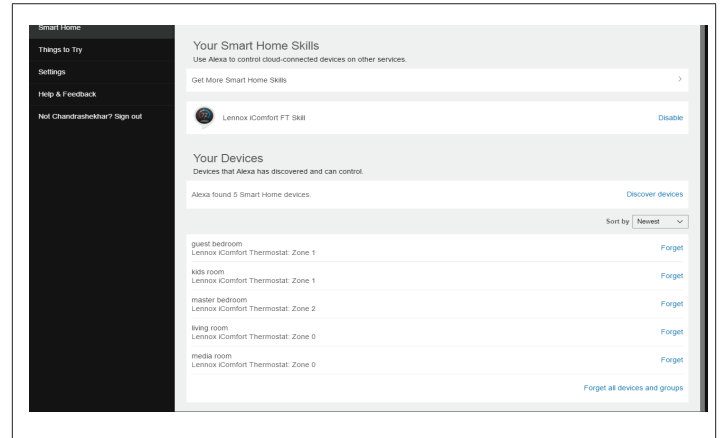


Figure 10. Device Discovery

- Go to **Settings** -> click on **Device name** (under **Devices** tab). Make sure the Temperature units under Measurement Units is set correctly as per the setting on S30 Thermostat.

**NOTE:** For example, if Thermostat is in Fahrenheit, set the Temperature units option to OFF.

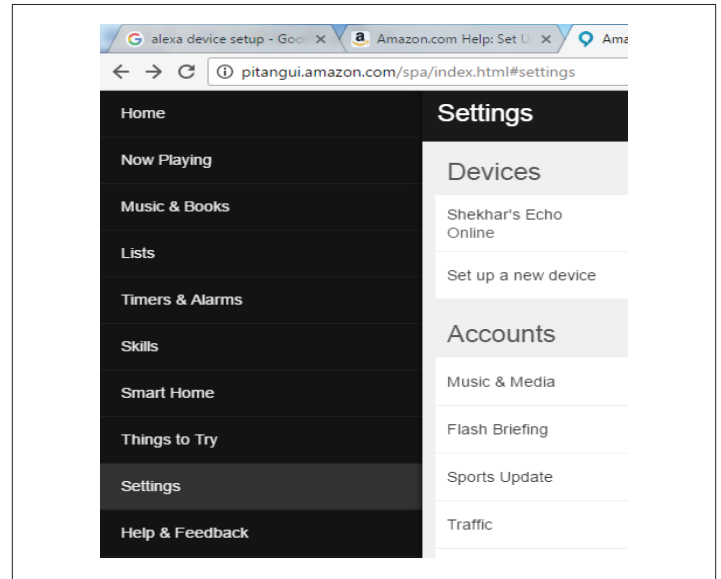


Figure 11. Settings

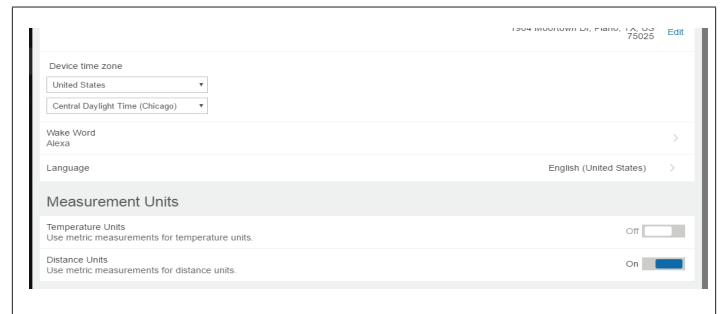


Figure 12. Unit of Measurement

- Setup is now complete.

## Alexa Commands

- “Alexa, set (thermostat/ zone name) to (75) degrees”
- “Alexa, set (thermostat/ zone name) temperature to (75)”
- “Alexa, set (thermostat/ zone name) to (75)”
- “Alexa, change temperature to (75)” Alexa will ask you to confirm which device, just say your thermostat/ zone’s name.
- “Alexa, turn temperature to (75)” Alexa will ask you to confirm which device, just say your thermostat/zone’s name.
- “Alexa, increase (thermostat/ zone name) by (3) degrees”
- “Alexa, increase (thermostat/ zone name) temperature by (3) degrees”
- “Alexa, raise (thermostat/ zone name) by (3) degrees”
- “Alexa, increase (thermostat/ zone name) temperature”
- “Alexa, heat up (thermostat/ zone name)”
- “Alexa, decrease (thermostat/ zone name) by (3) degrees”
- “Alexa, lower (thermostat/ zone name) temperature by (3) degrees”
- “Alexa, decrease (thermostat/ zone name) temperature by (3) degrees”
- “Alexa, cool down (thermostat/ zone name) by (3) degrees”
- “Alexa, lower (thermostat/ zone name) temperature”,
- “Alexa, cool down (thermostat/ zone name)”
- “Alexa, make (thermostat/ zone name) colder”
- “Alexa, what is the temperature of (thermostat/ zone name)” Alexa will reply with current temperature.
- “Alexa, what is the (thermostat/ zone name) set to?” Alexa will reply with the current thermostat set points and the thermostat mode (heat, cool or auto)

## Important Notes

1. Device Names:
  - Default system name “System” can be used as “Thermostat” in Alexa. If you have changed the system name or Zone name to a custom name other than “System”, then that custom name will be used for Alexa. “Alexa, set (Thermostat/ System/ Living room) to (75) degrees”
  - Make sure to have unique System names in case of two or more thermostats in a house. In a zoning system, each zone should have a unique name like ‘Bedroom’, ‘Kitchen’, ‘Living room’, ‘Upstairs’ etc.
  - Do not use numbers in device names like ‘Bedroom 1’.
  - Zone or System names are more relevant keywords
2. Changing Device Names after paired with Alexa: Run “Device Discovery” each time you change any zone / system names or add new system(s).
3. Heat-Cool Mode
  - Alexa will control your E30, M30 or S30 Thermostat a bit differently when it’s in Heat / Cool mode, which can automatically switch between heating and cooling as needed. For instance, if you ask

Alexa to set the temperature to 70°F (21.0°C), your thermostat will use this as a midpoint temperature, setting the Heat temperature to 69°F (20.5°C) and Cool temperature to 72°F (22.0°C).

- Alexa will confirm your request, saying “Hallway is in auto mode, aiming for 70°F (21.0°C)”.
- Alexa commands will not work if thermostat is in ‘Away’ or ‘Smart Away’ mode.
- Alexa support for iComfort E30, M30 or S30 only allow whole degree change in Celsius mode. The first command to set temperature will adjust the set point to a whole degree.
- Alexa support for iComfort E30, M30 or S30 does not support mode change (heat only, cool only, etc.).