



# User Manual

# How to Set Up Josh Micro by Wi-Fi or Power Over Ethernet



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## Unbox Micro from packaging



## Remove inner lid to reveal accessories



### INCLUDED ITEMS

- 1x Josh Micro
- 1x Josh Micro Stand
- 1x Power Transformer
- 1x Power Cable (1.5m)
- 1x USB-C to Power Over Ethernet Adapter
- 1x Quick Reference Guide



# Download “Josh - Home Automation” from the Apple App Store for iPhone

## App Store Preview

This app is available only on the App Store for iPhone and iPad.



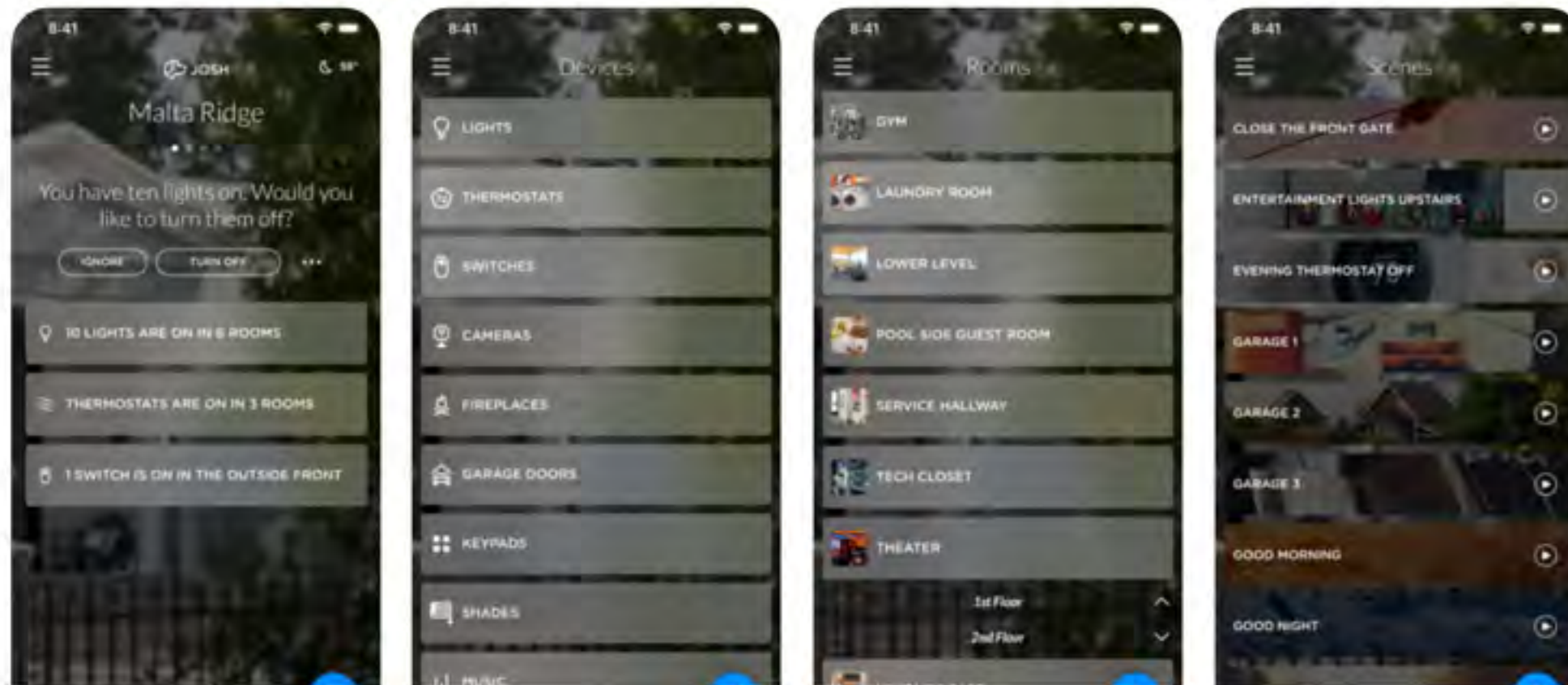
### Josh - Home Automation 4+

JStar LLC

★★★★★ 4.6, 11 Ratings

Free

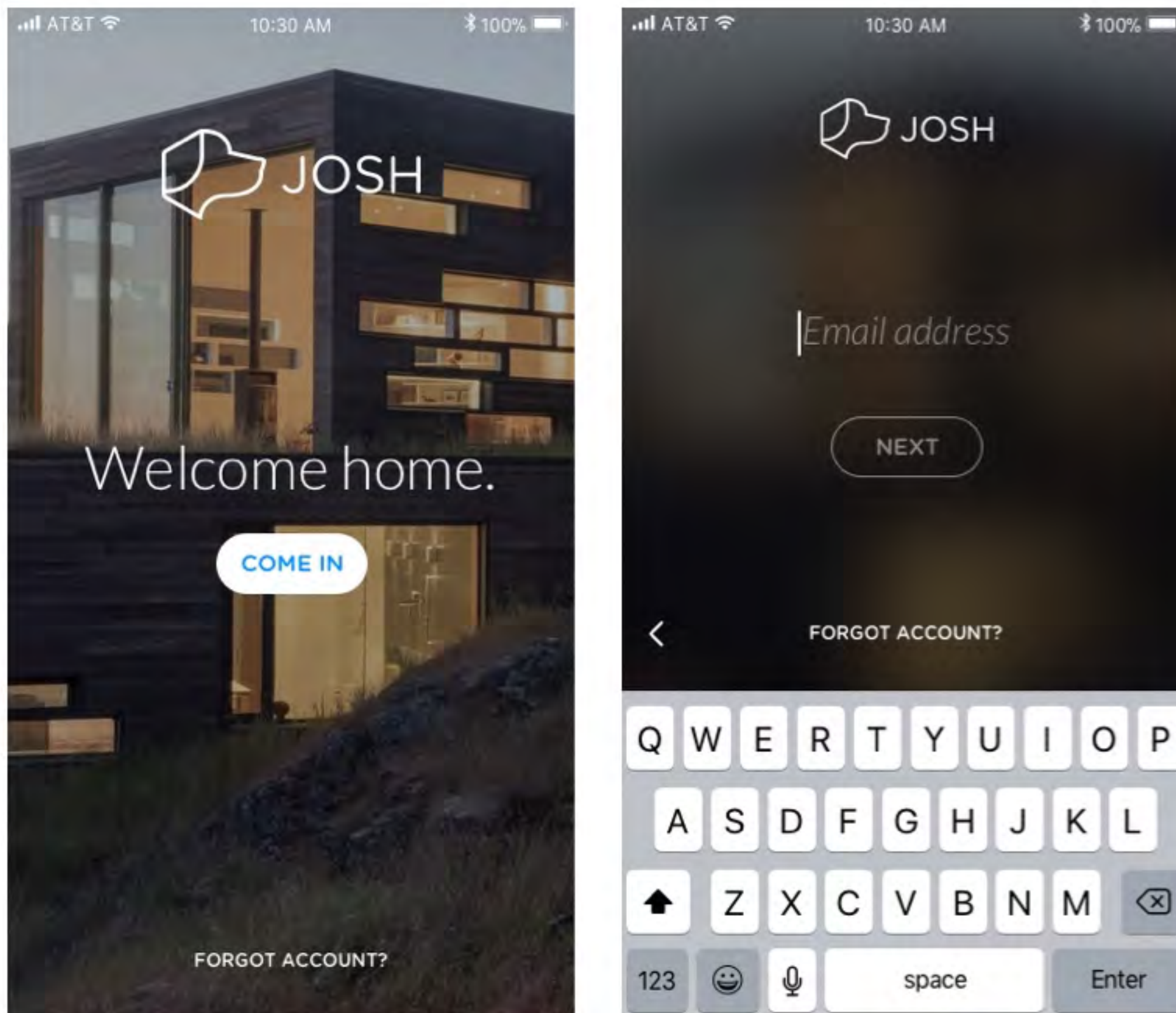
## Screenshots iPhone iPad



## DOWNLOAD LINK:

<https://itunes.apple.com/us/app/josh-home-automation/id1024805681?mt=8>

## Log in to the Josh Home Automation App using provided credentials



### LOG IN USING CREDENTIALS:

- Email: fcc@jstar.ai
- Password: FCCjstartest1



## Tap on “Set Up Micro”



Your building appears to be offline.  
This could be the result of either:

Josh is not yet configured.

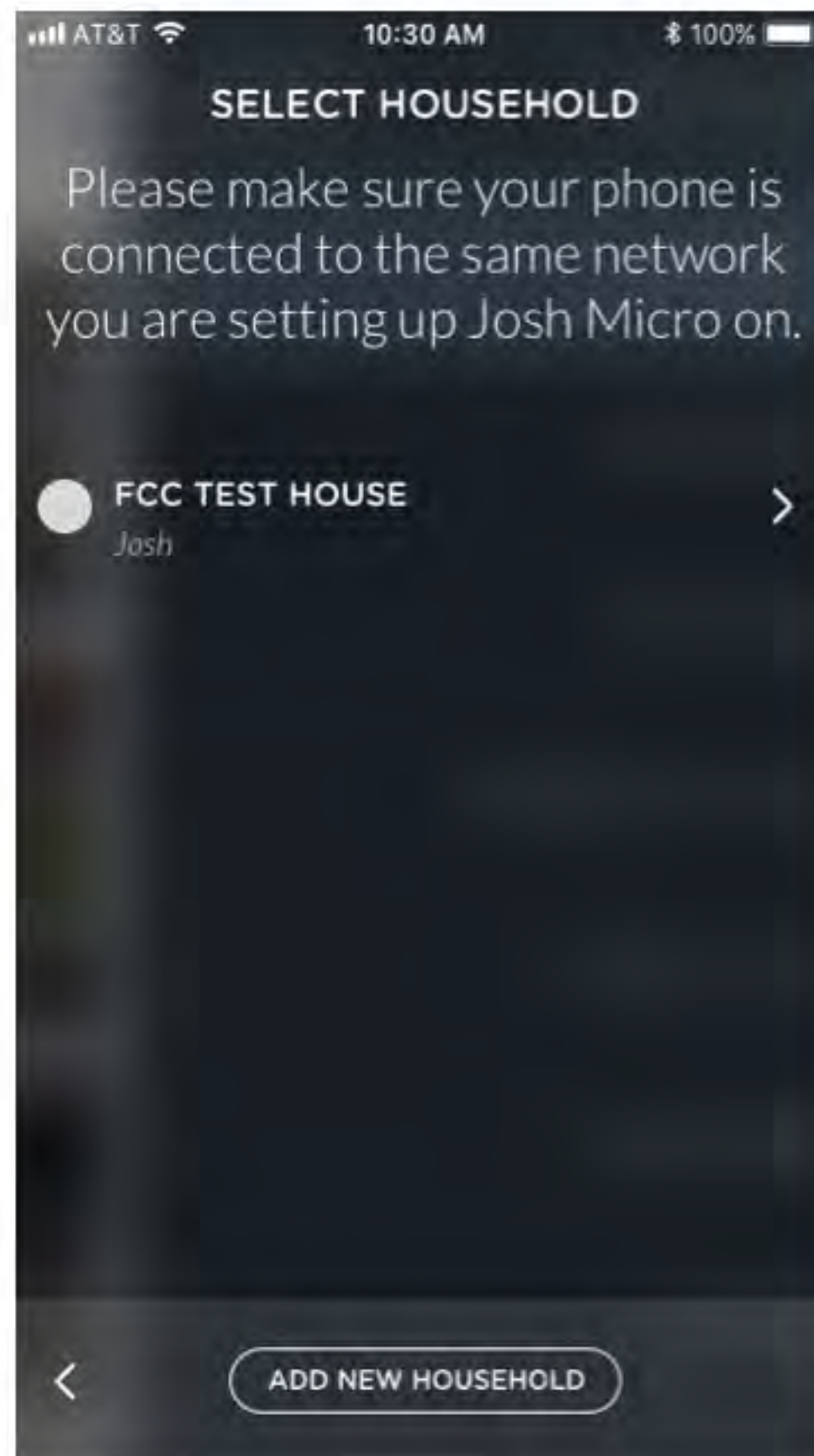
[SET UP MICRO](#)

Josh is configured but offline.

[RESET MICRO](#)



Select “FCC Test House” as the household you will be installing this Micro in



IF YOU DO NOT SEE THE EXACT SAME OPTION AS ABOVE:

- Contact support at: [help@josh.ai](mailto:help@josh.ai)

Choose which installation method you want to set up Josh Micro with

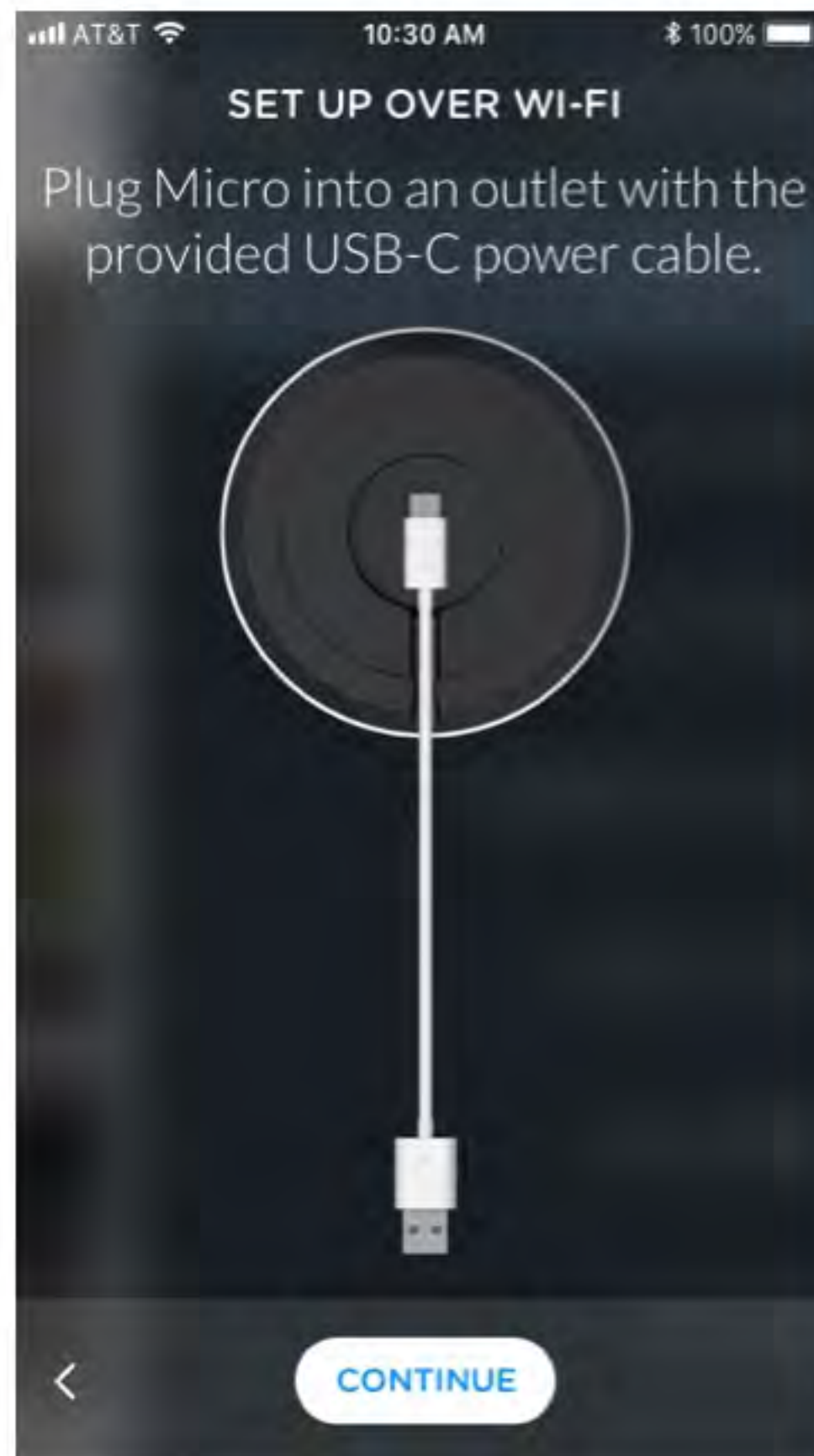


- For instructions on setting up over **Wi-Fi**, see **page 8**
- For instructions on setting up over **Power Over Ethernet**, see **page 16**

#### NOTES ON RESETTING JOSH MICRO:

- Once you've set up Micro using one method, you'll need to do a factory reset on the hardware in order to set it up again using the other method - please see page 24 for factory reset instructions

## Wi-Fi installation method

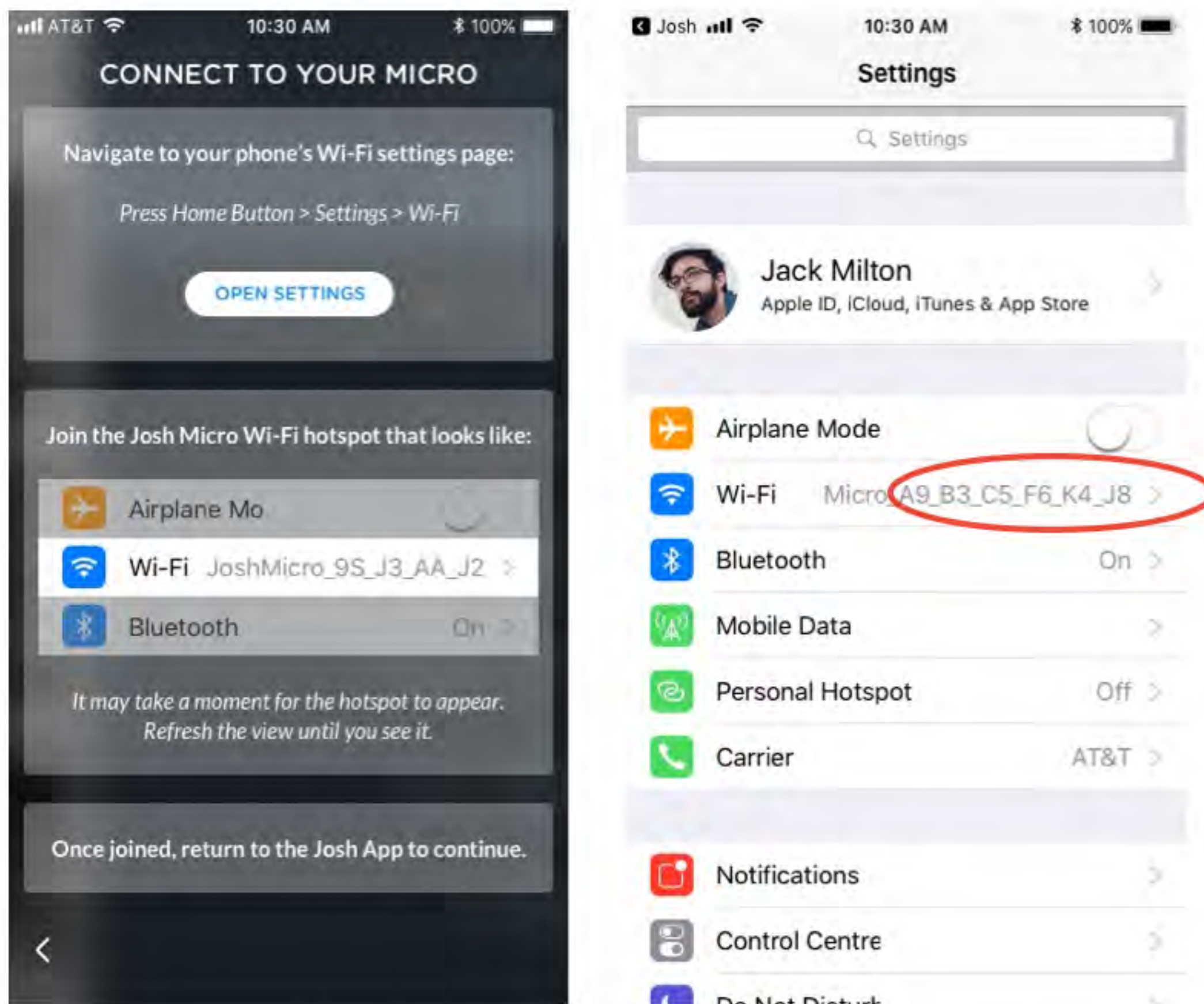


**PLUG MICRO DIRECTLY INTO OUTLET WITH SUPPLIED  
USB-C CABLE AND 5V POWER TRANSFORMER:**





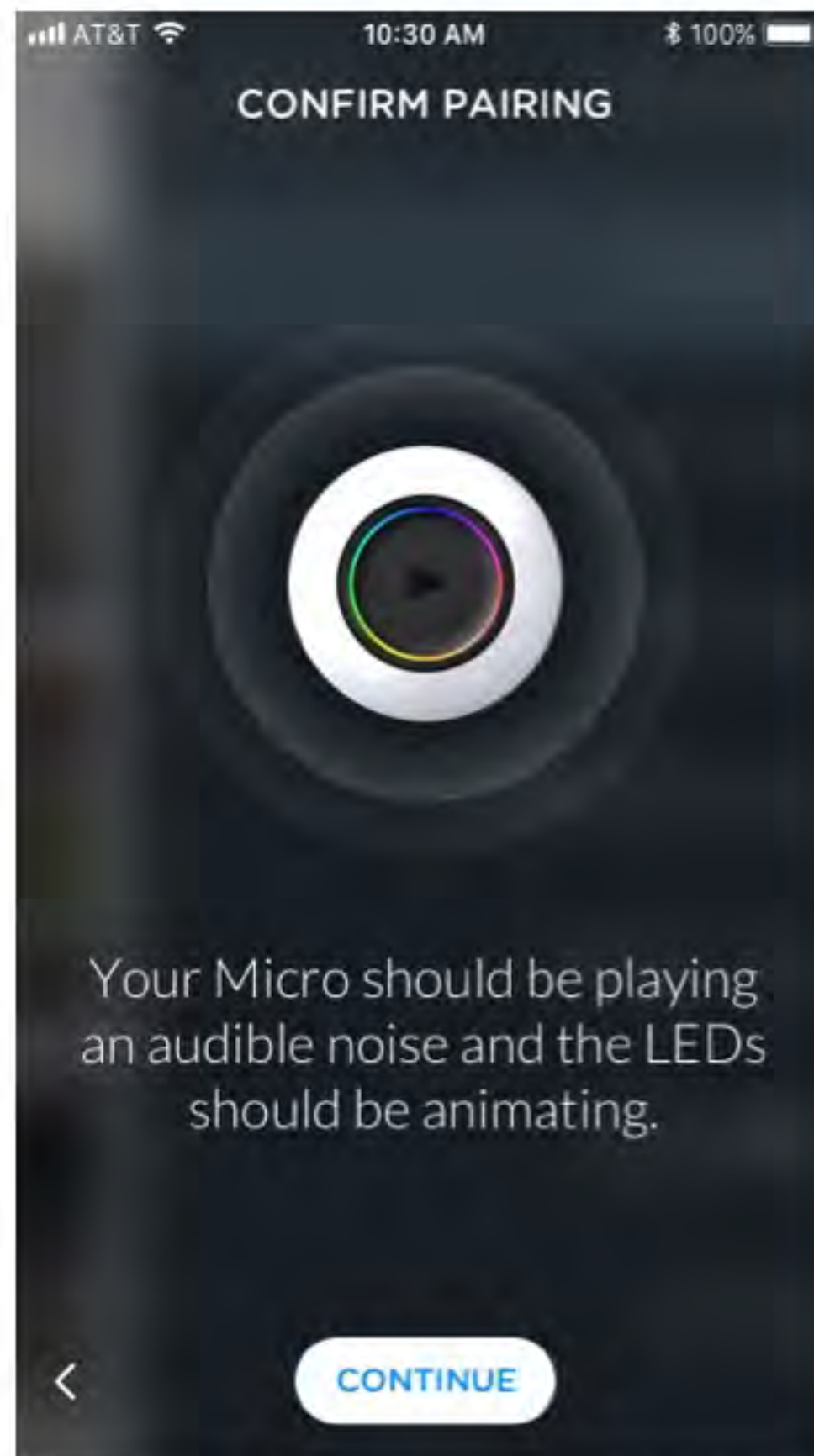
# Wi-Fi installation method



## CONNECT TO YOUR MICRO WI-FI HOTSPOT:

- Navigate to your phone's Wi-Fi settings page: Home Button > Settings > Wi-Fi
- Join the Josh Micro Wi-Fi hotspot that looks like: **JoshMicro\_A1\_B2\_C3\_D4\_E5\_F6**
- Once connected, return to the Josh App

## Wi-Fi installation method

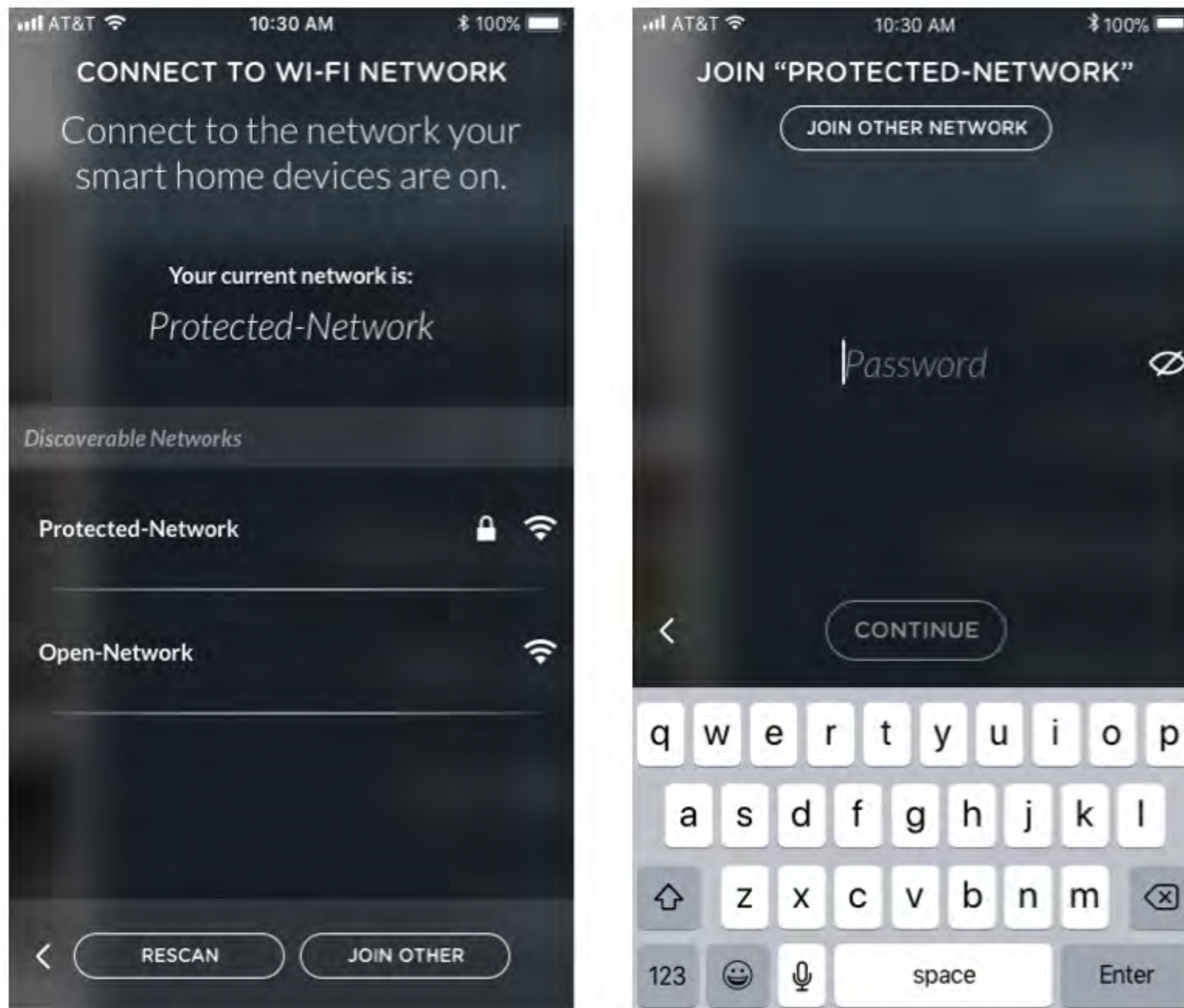


### PHYSICALLY CONFIRM PAIRING WITH JOSH MICRO:

- Your Micro should be displaying a colorful LED animation paired with a repeating sound
- Tap the top surface of the Micro to physically confirm pairing the device
- The app will automatically register the connection and move to the next step



## Wi-Fi installation method

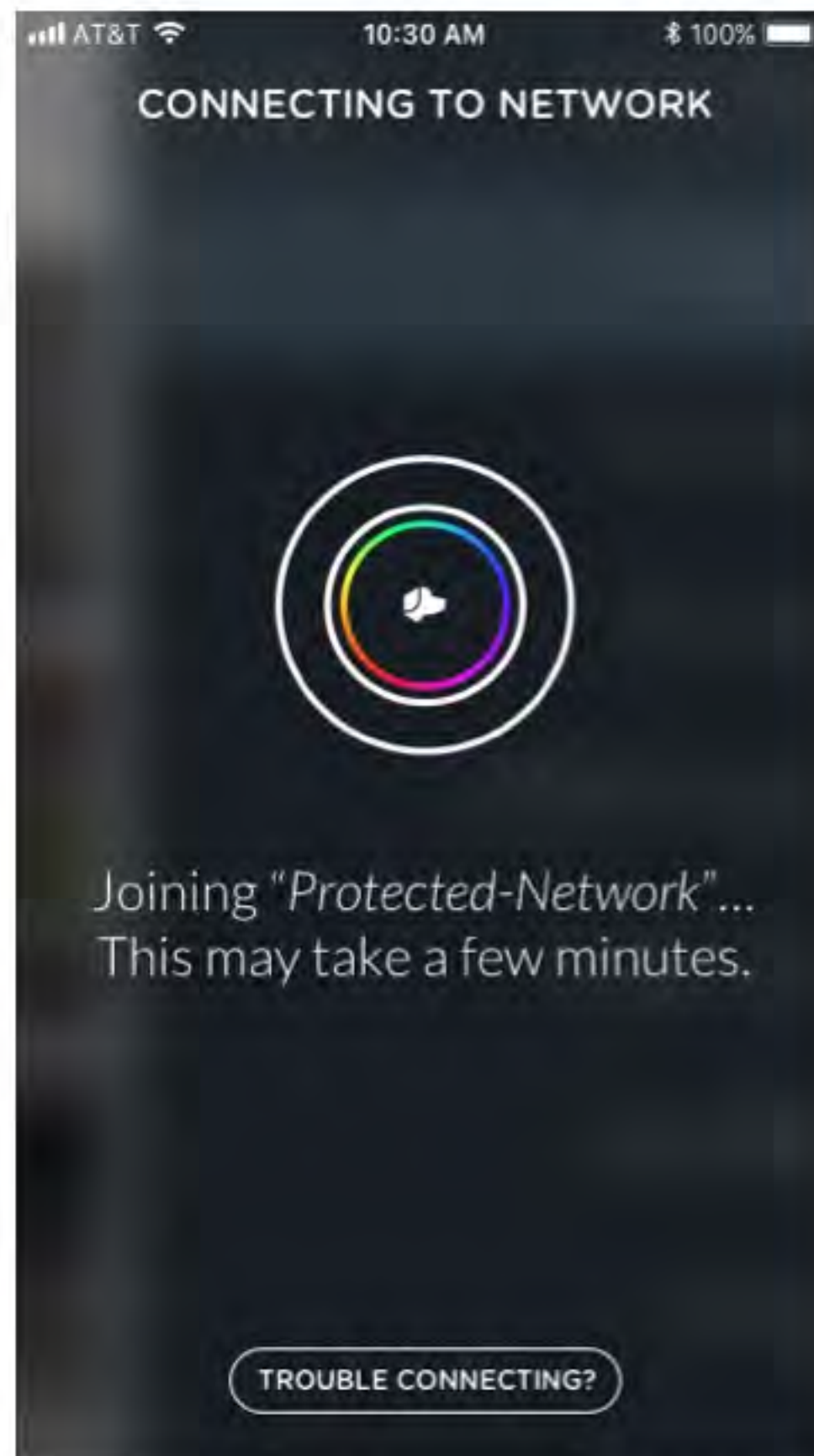


### CONNECT TO YOUR PRIMARY NETWORK:

- Connect to the primary network in your building that you want the Josh Micro to be on
- If your network has a password, enter it



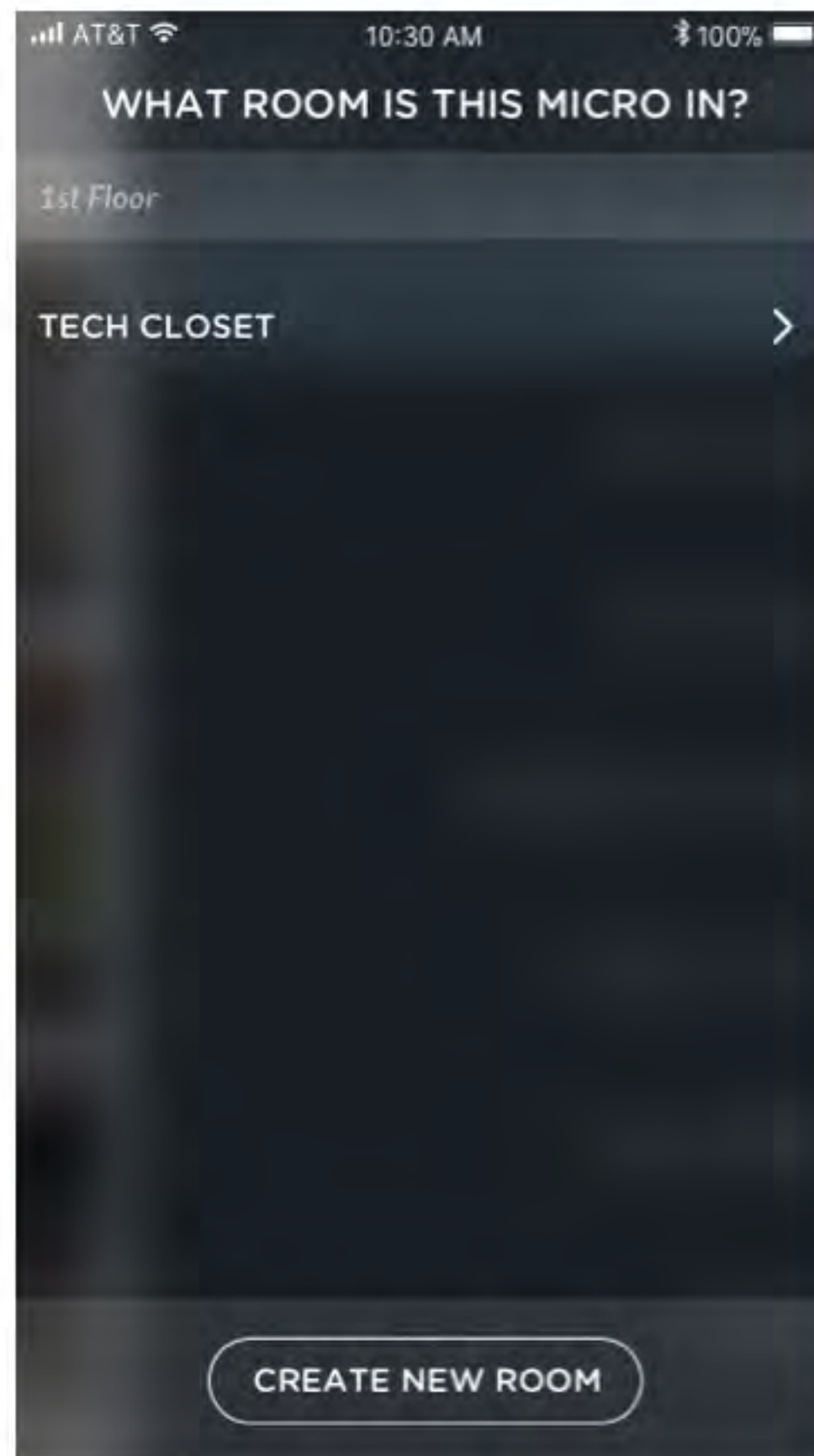
## Wi-Fi installation method



### THE MICRO WILL NOW CONFIGURE ITSELF TO THE NETWORK

- Your phone should automatically switch back to the primary network - the same network that the Micro should now be connecting to
- This process may take a short moment, upon completion the app will move on to the next screen

## Wi-Fi installation method



### PLACE THE MICRO INTO THE TECH CLOSET

- For testing purposes we have already pre-created a room on the server: "Tech Closet"

## Wi-Fi installation method



### MICRO SHOULD NOW BE READY TO USE

- For testing purposes we have already pre-created a room on the server: “Tech Closet”



Give a sample voice command - activate Micro by saying “Okay Josh” or tapping once on the top:

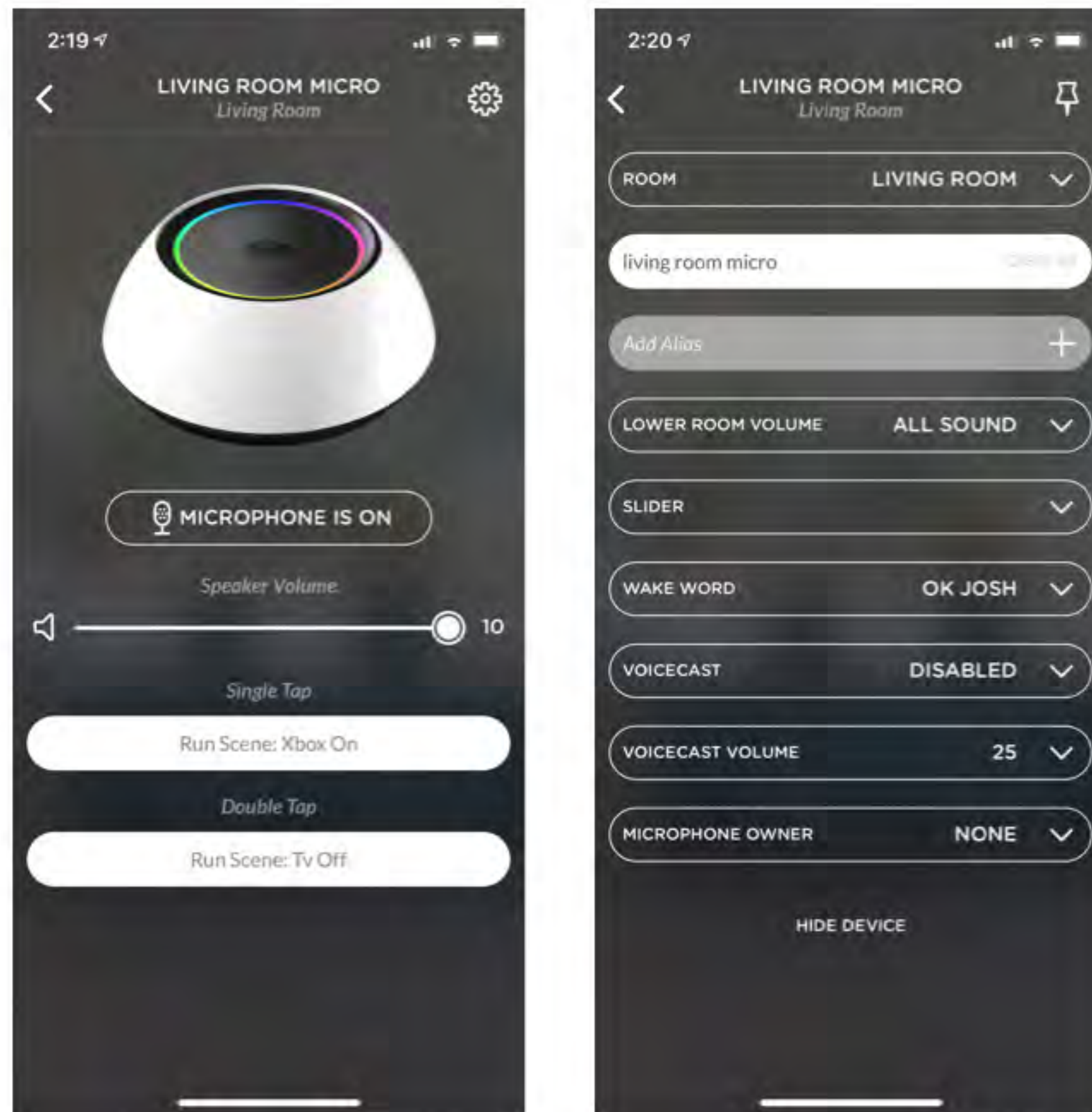


#### SUGGESTED PHRASES:

- For testing purposes, keep voice commands to simple non-device specific commands:
- “What’s your name?”
- “Tell me the weather.”
- “What time is it?”



Micro also has customizable physical controls editable in the app:



**THE EXAMPLES BELOW ARE FOR EXPLANATION ONLY - DO NOT TEST:**

- 1x tap on top: activate microphone (default) -or- can trigger a scene instead
- 2x tap on top: mute the microphone (default) -or- can trigger a scene instead
- Drag finger around LED ring: controls last mentioned device (eg music volume, light brightness, etc.)

# Power Over Ethernet installation method



PLUG MICRO INTO SUPPLIED USB-C TO ETHERNET ADAPTER,  
CONNECT RJ45 ETHERNET INTO ADAPTER, THEN TAP CONTINUE

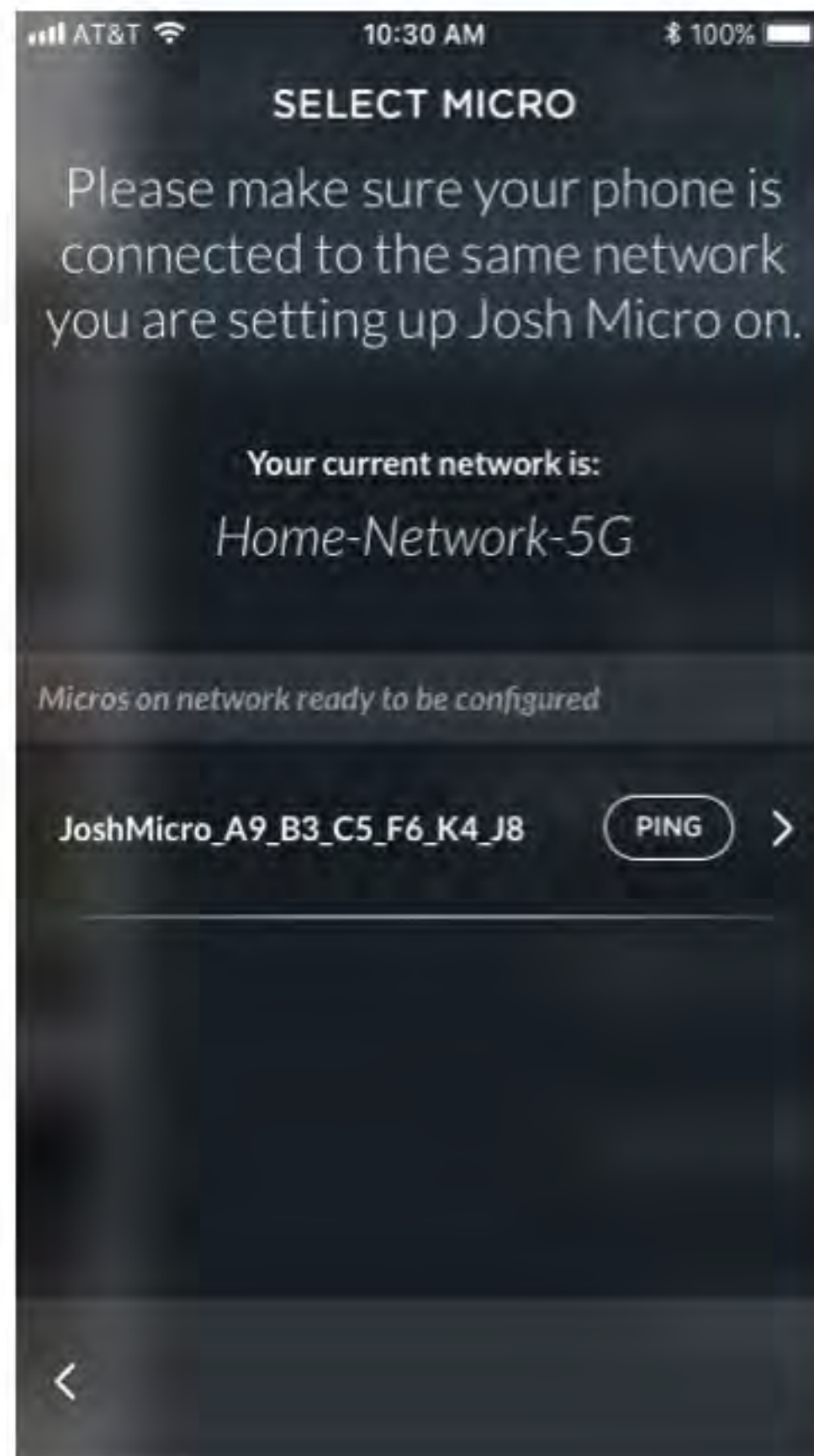
RJ45 ETHERNET



PLUG INTO  
MICRO



# Power Over Ethernet installation method



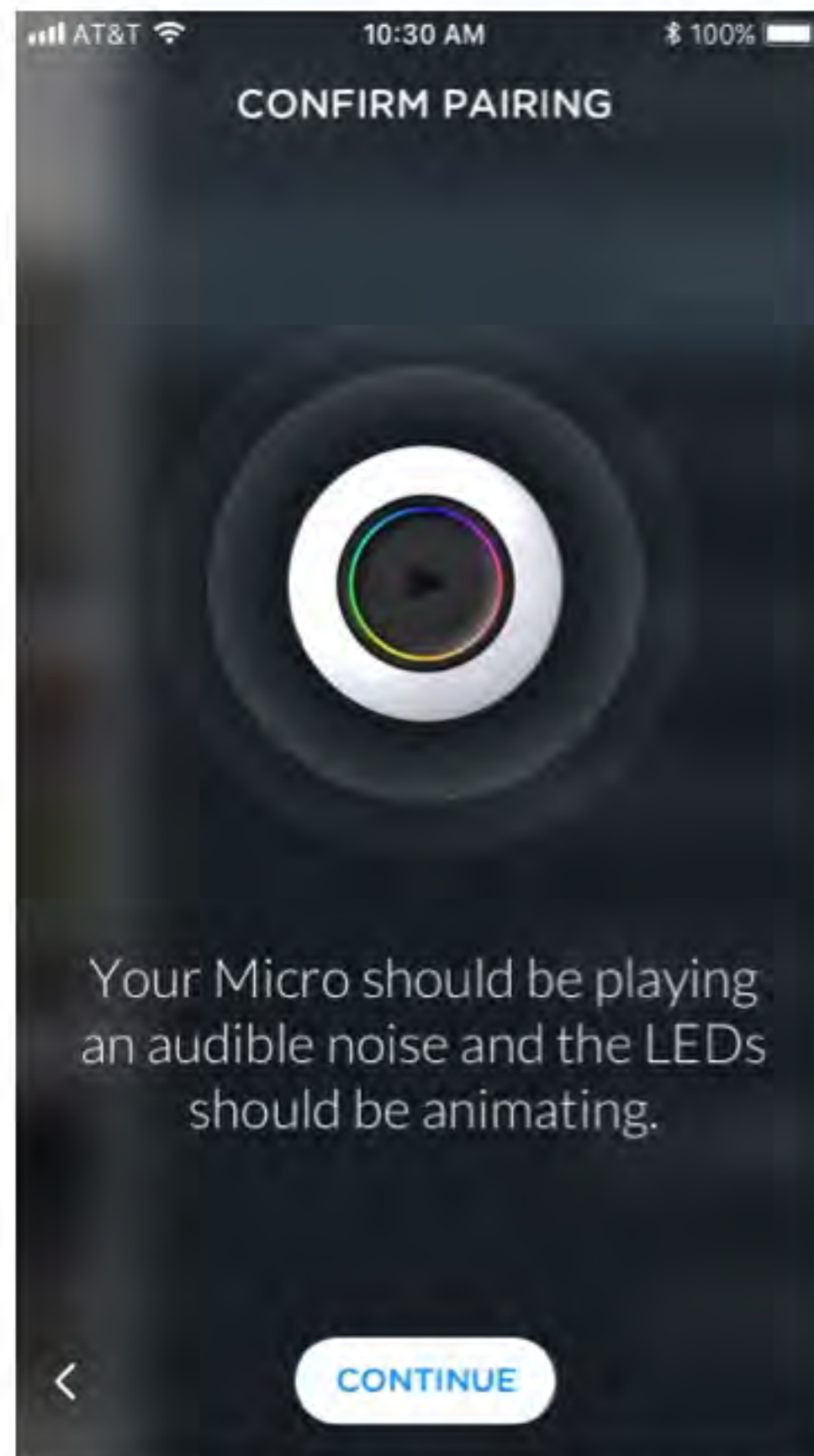
SELECT THE ONLY VISIBLE HARDWIRED MICRO, SIMILAR TO ABOVE.

“PING” WILL PLAY A SOUND ON THE MICRO.

IF YOU DO NOT SEE THE EXACT SAME OPTION AS ABOVE:

- Contact support at: [help@josh.ai](mailto:help@josh.ai)

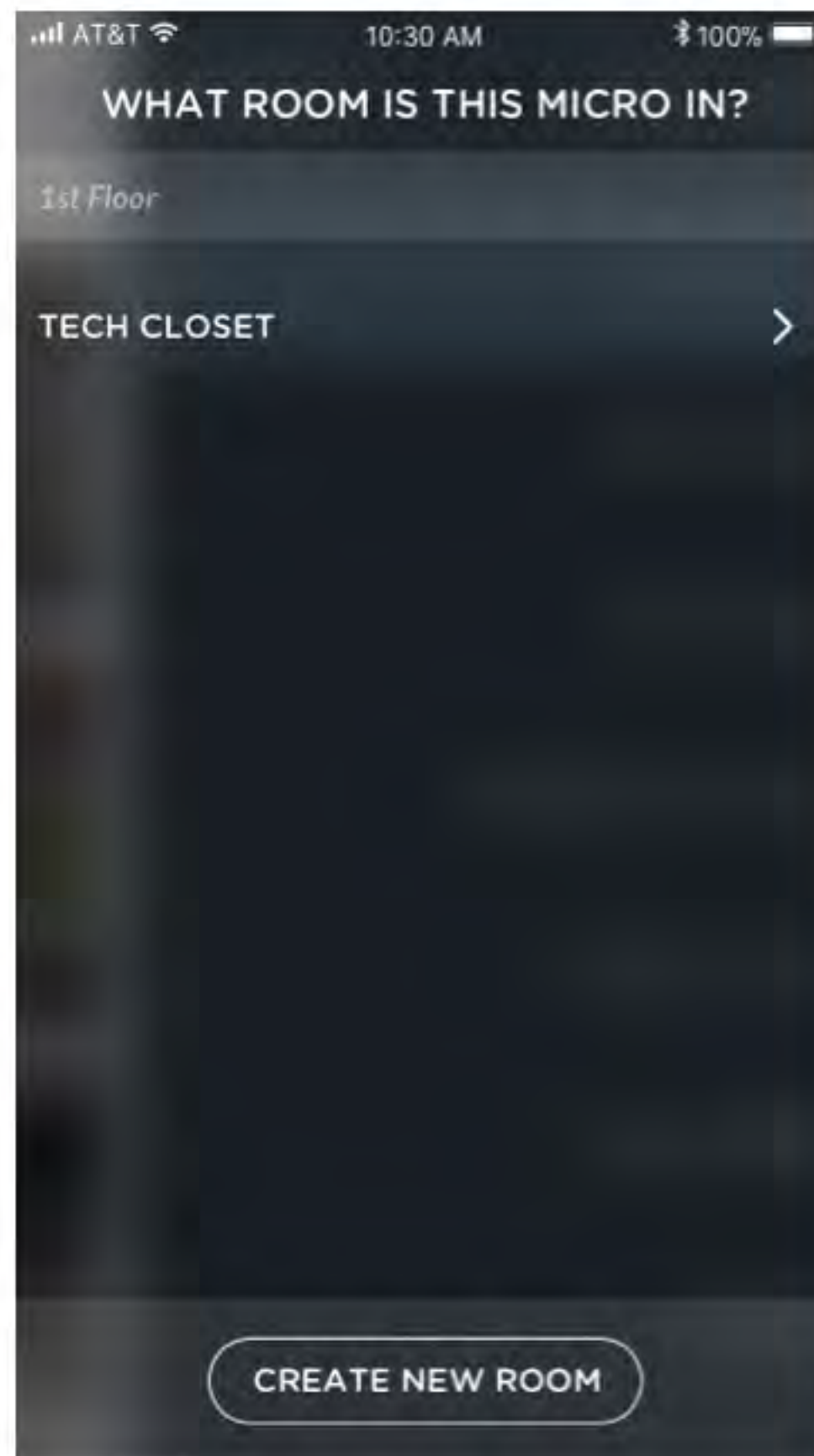
# Power Over Ethernet installation method



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# Power Over Ethernet installation method



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# Power Over Ethernet installation method



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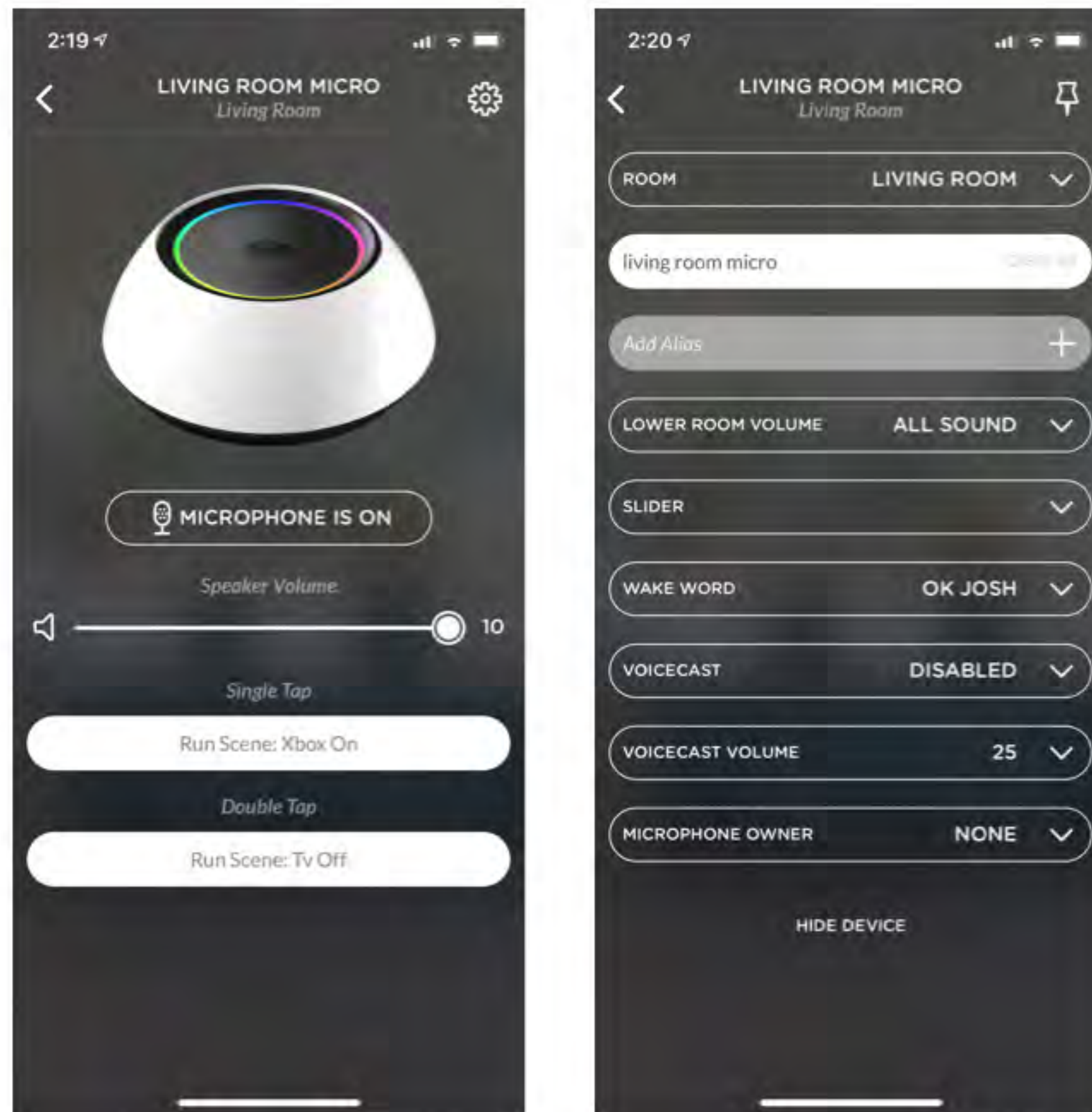


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# Factory reset Micro



## WITH THE MICRO PLUGGED IN AND POWERED:

- Press and hold down on the top surface (dog logo) for 5-10 seconds
- You should now see the LEDS turn into a circle with RED, BLUE, and GREEN segments
- Double tap RED to erase the device
- Double tap BLUE to factory reset
- Double tap GREEN to exit the reset menu

## Product Specifications

Power : DC 5V, 2A

Wi-Fi RF Spec

Protocol : IEEE 802.11a/b/g/n/ac

Frequency : 2 412 MHz ~ 2 462 MHz / 2 422 MHz ~ 2 452 MHz / 5 180 MHz ~ 5 825 MHz / 5 190 MHz ~ 5 795 MHz / 5 210 MHz ~ 5 775 MHz

Modulation : OFDM, CCK, BPSK, QPSK

Operation temperature : 0 ~ 40 deg. cel.

Storage temperature : -25 ~ 47 deg. cel

| Mode                 | Frequency bands | Tune-up Power       |
|----------------------|-----------------|---------------------|
| 802.11b              | 2.4GHz          | 10.0 dBm $\pm$ 1 dB |
| 802.11g              | 2.4GHz          | 10.0 dBm $\pm$ 1 dB |
| 802.11n_HT20/40      | 2.4GHz          | 8.0 dBm $\pm$ 1 dB  |
| 802.11a              | 5GHz            | 11.5 dBm $\pm$ 1 dB |
| 802.11n_HT20/40      | 5GHz            | 11.0 dBm $\pm$ 1 dB |
| 802.11ac_VHT20/40/80 | 5GHz            | 11.0 dBm $\pm$ 1 dB |

# Compliance

## FCC Compliance Statement

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**CAUTION:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

## RF Exposure Statement

A minimum separation distance of 20 cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements



## Compliance (cont'd)

### Industry Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Warning: 5150-5250 MHz restricted to indoor use only.

### Énoncé d'Industrie Canada(IC)

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Avertissement: 5150-5250 MHz limité à une utilisation en intérieur uniquement.

Tout changement ou modification non expressément approuvé par la partie chargée de la mise en conformité peut annuler le droit de l'utilisateur à utiliser l'équipement.

### Déclaration d'exposition aux RF

Une distance de séparation minimale de 20 cm doit être maintenue entre l'antenne et la personne pour que cet appareil satisfasse aux exigences d'exposition aux RF

## Contact

- Technical support
- Scotty Allen

[help@josh.ai](mailto:help@josh.ai)

[scotty@josh.ai](mailto:scotty@josh.ai)