



Mindtree

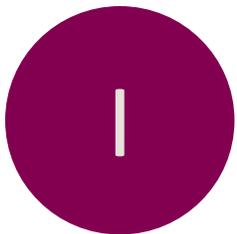
Welcome to possible

EtherMind BLE Mesh Demonstration Setup

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Agenda

- Setting up Phy6200 Board
 - Flashing Light binary
 - Provisioning from Mobile Phone
 - Configuring from Mobile Phone
 - Controlling Light from Mobile App
- Setting up EtherMind Mobile App



Setting up Phy6200 Board

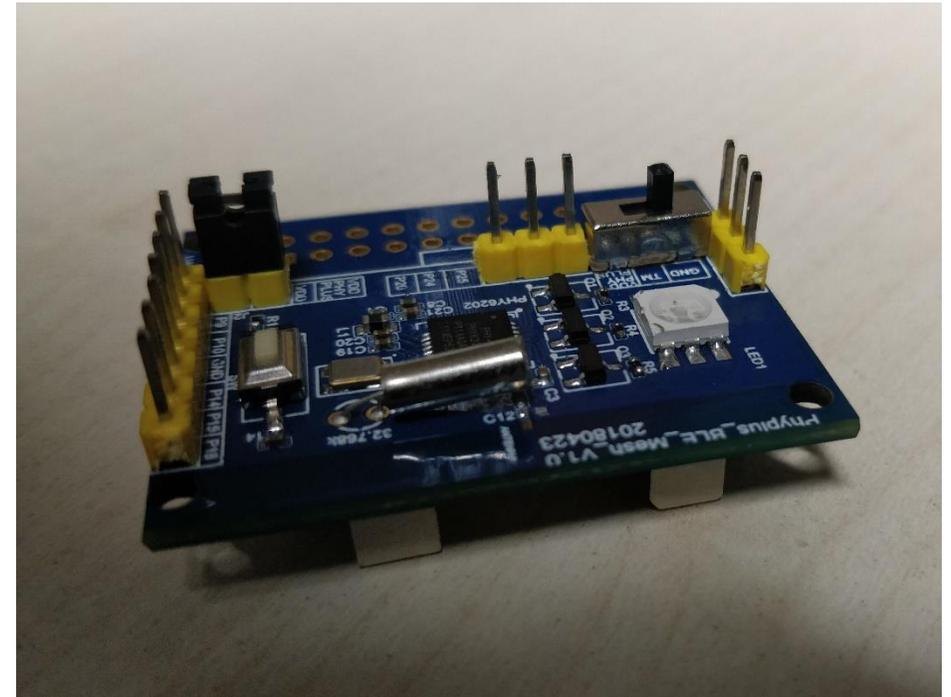
Basic Demo Setup

- Mesh demo will have Phy6200 platform (as light) and a mobile phone running mesh app



Flashing Light binary

- Release Package contains pre-build binary for Light
- Using Keil IDE or PhyPlus Kit, flash the binary in Phy6200 board

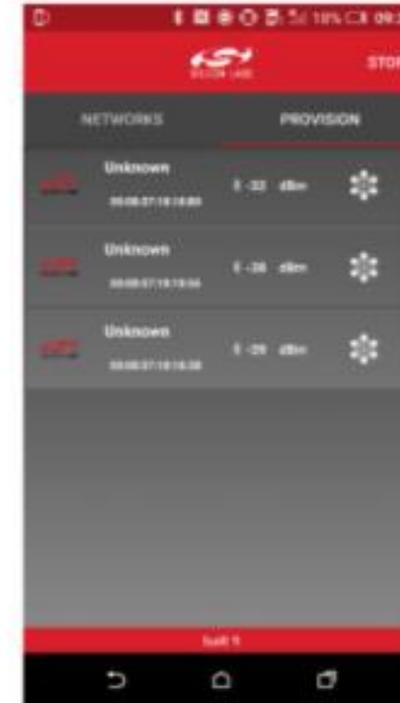


Provisioning from Mobile Phone

- For interoperability, Silicon Labs mesh mobile application can be used to provision and configure Phy6200 boards.

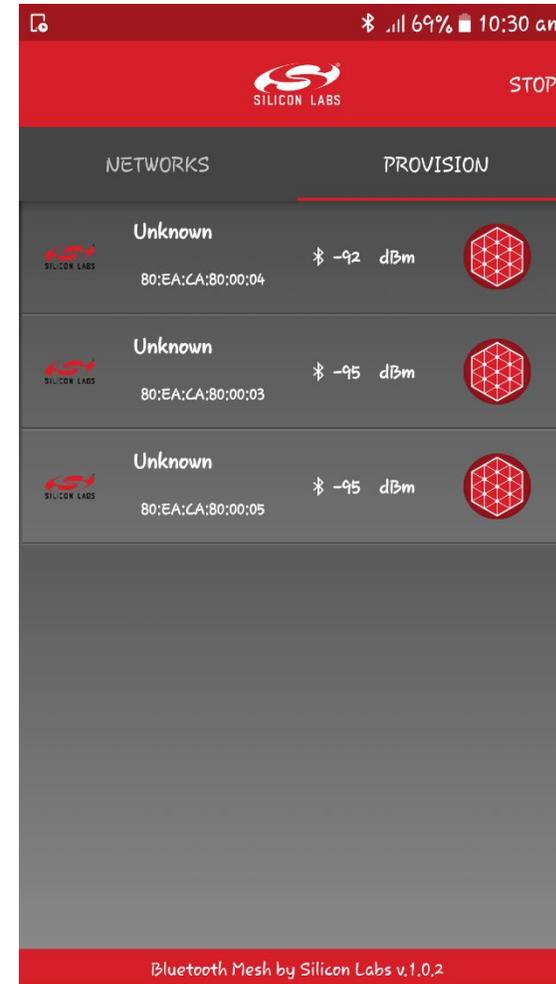
- [Ref:
<https://www.silabs.com/documents/login/quick-start-guides/qsg148-bluetooth-mesh-demo-quick-start-guide.pdf>]

Discover and Provision



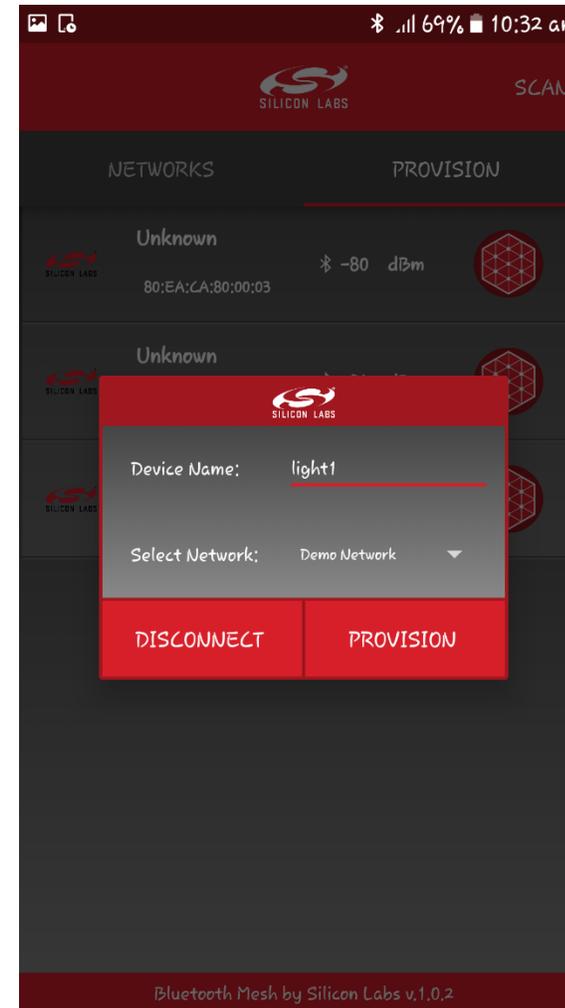
Provisioning (1/2)

- Phy6200 boards after the binaries are flashed, can be seen on the mobile application as unprovisioned devices



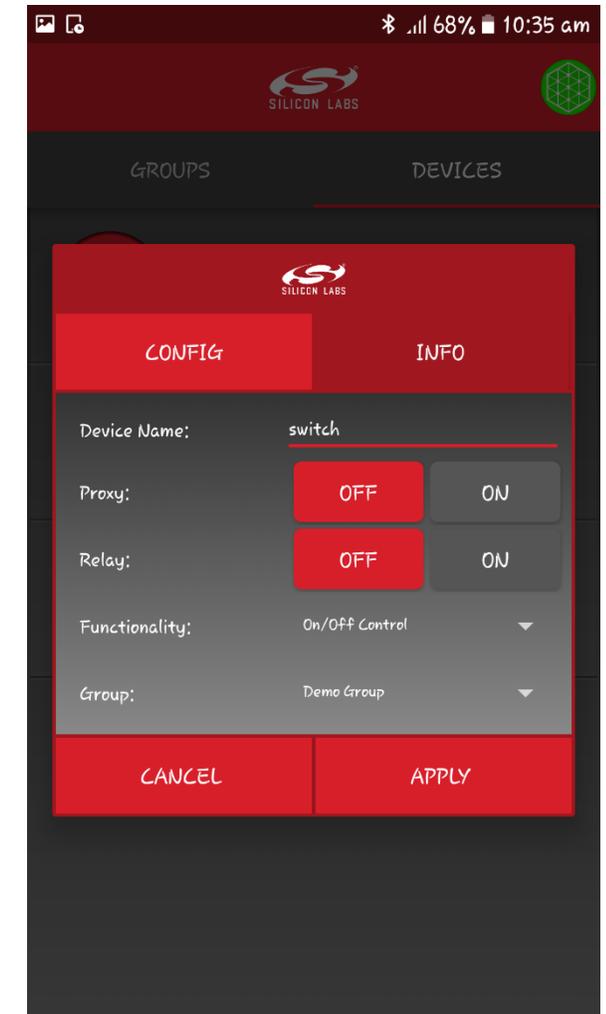
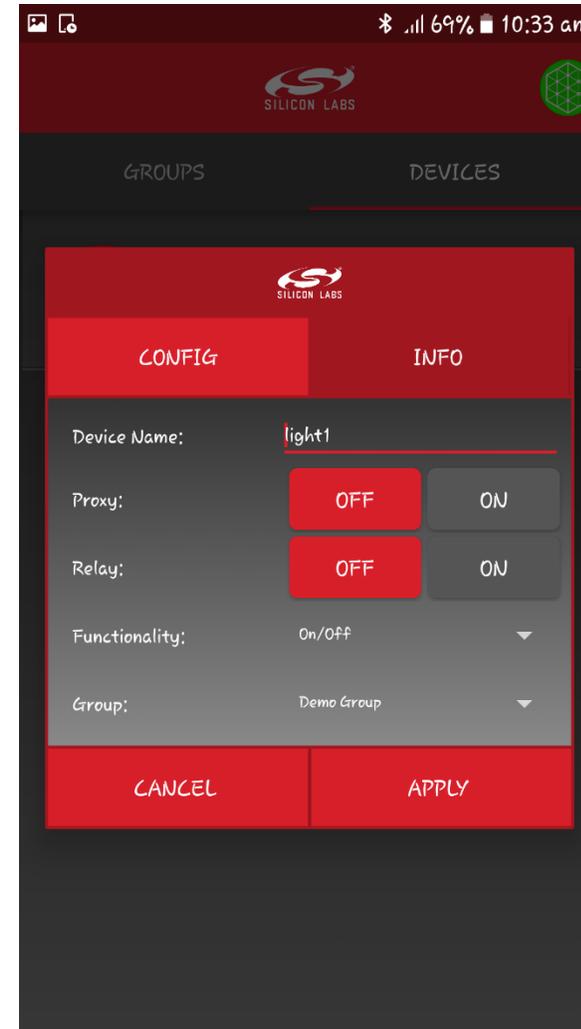
Provisioning (2/2)

- Start provisioning devices – one by one from mobile application
- Select the device, assign name and provision



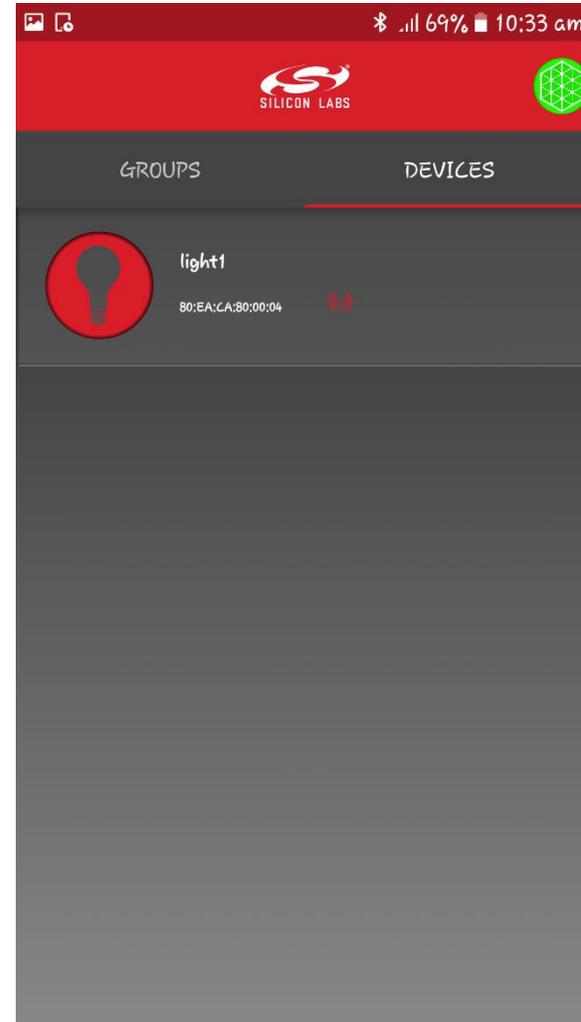
Configuration

- Configure each provisioned devices – one by one from mobile phone.
 - Configuration will start automatically once the provision is complete. Please wait for the circle on the top of the screen to turn green, before trying to provision another device.
- During Configuration, assign the node to a group.
- Mobile application will be able to identify and configure Phy6200 devices.



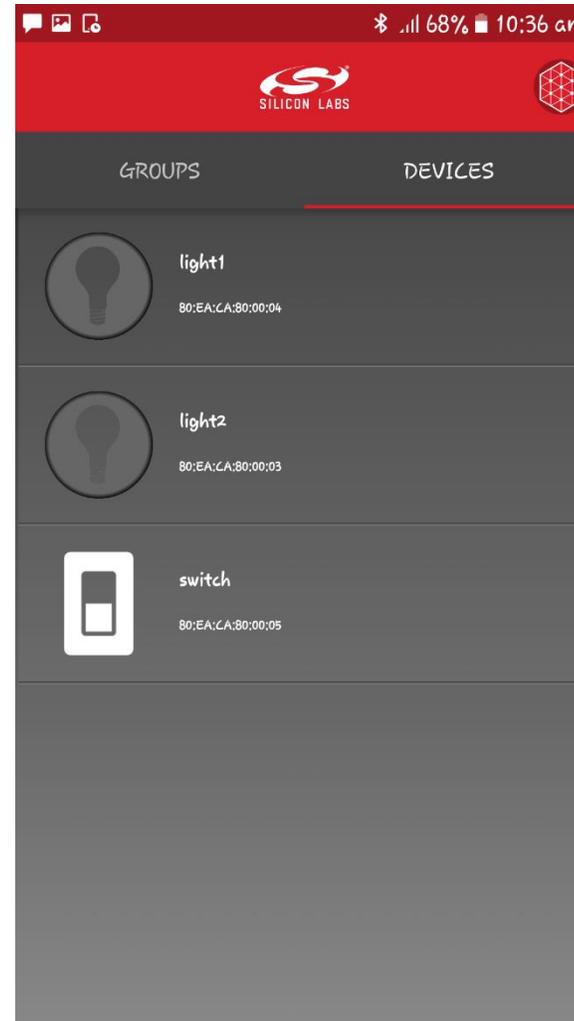
Configuration Complete

- Based on the device capability, Light icon will be displayed.



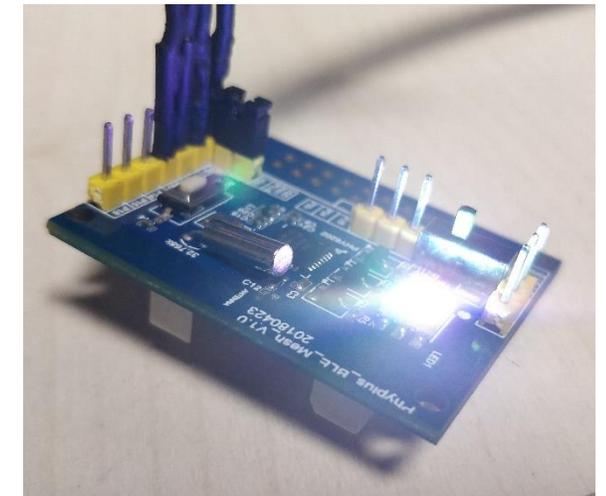
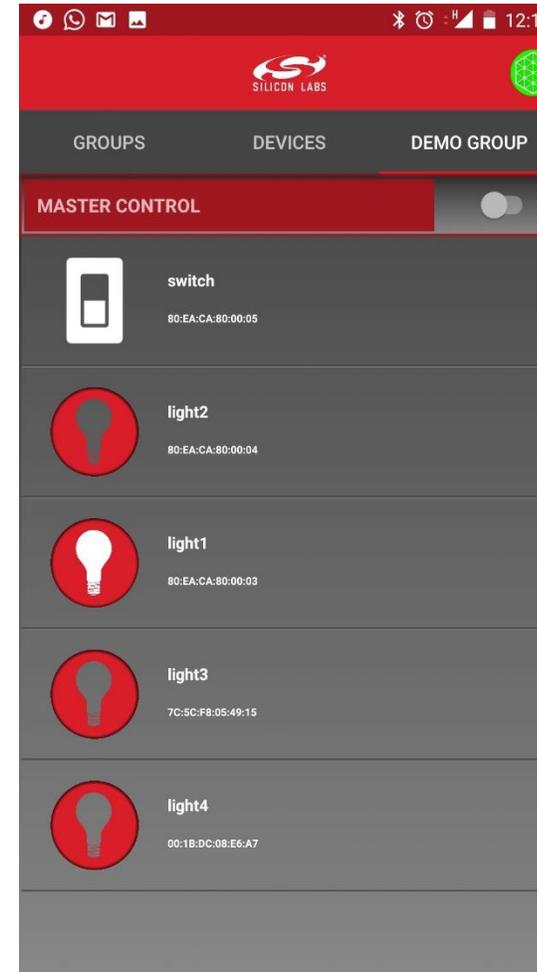
Disconnect Configuration Complete

- Once the Phy6200 board is configured, disconnect the device from mobile phone.



Controlling Light from Mobile App

- From the mobile app, press and hold the light icon to switch on the connected device.
- Note: Once the proxy support can be enabled in Phy6200 platform, one of the device as light switch can be enabled as proxy. Using the proxy device, other configured lights can be switched on or off, selectively or all together.

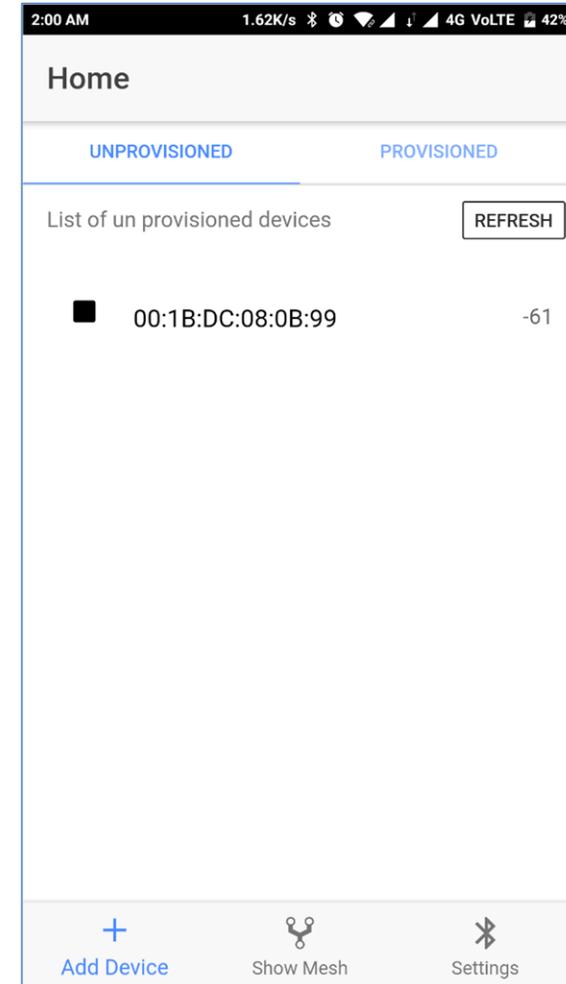




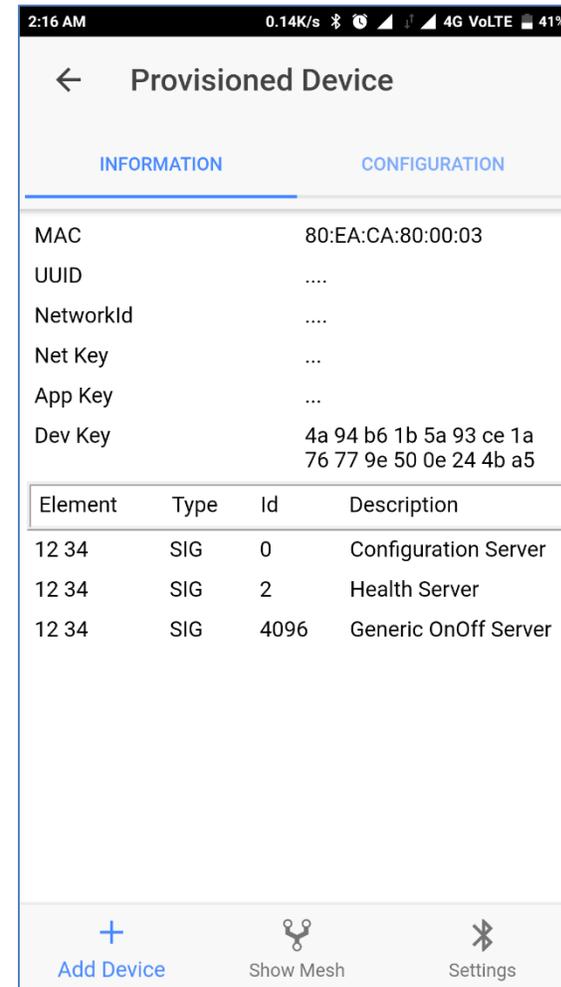
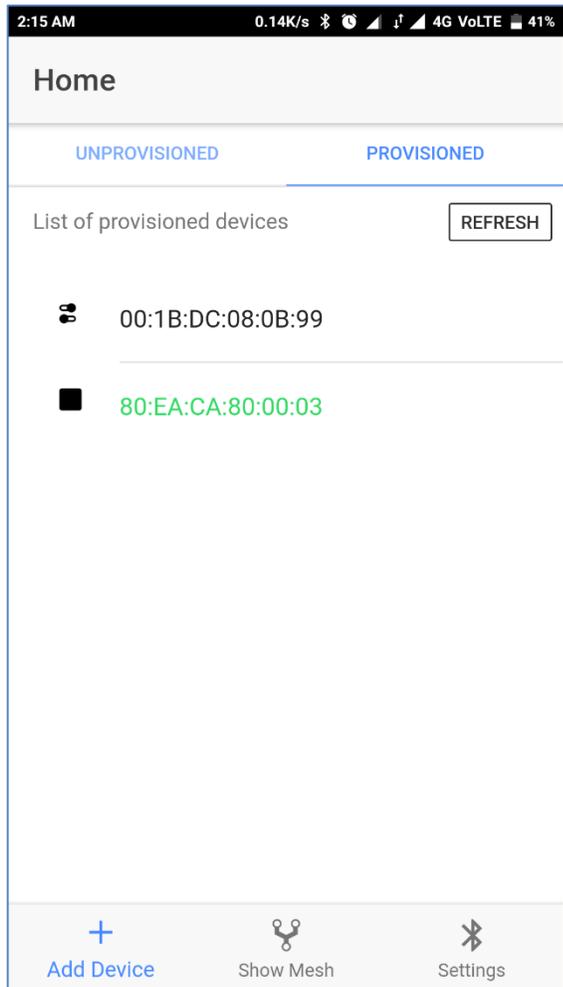
Setting up EtherMind Mobile App

Setting up Mobile App

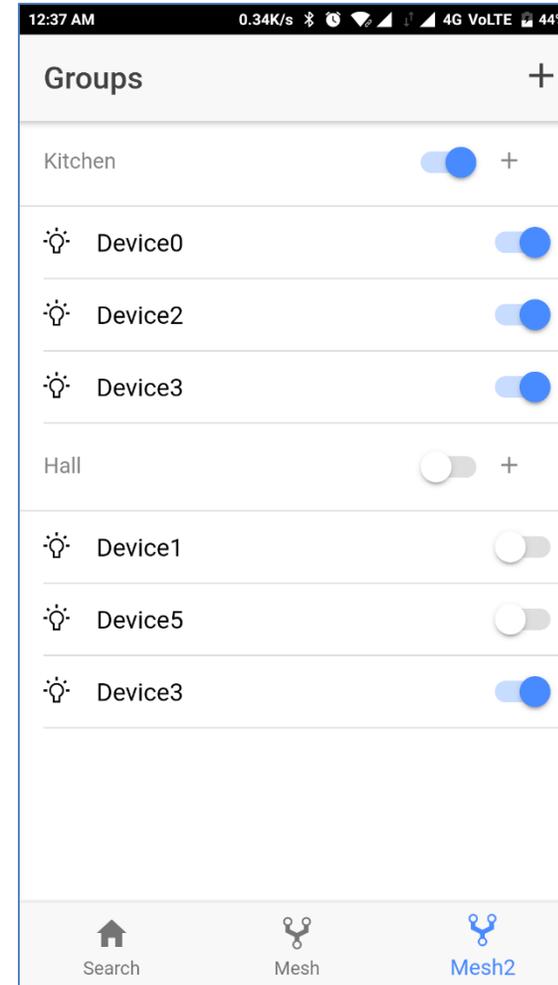
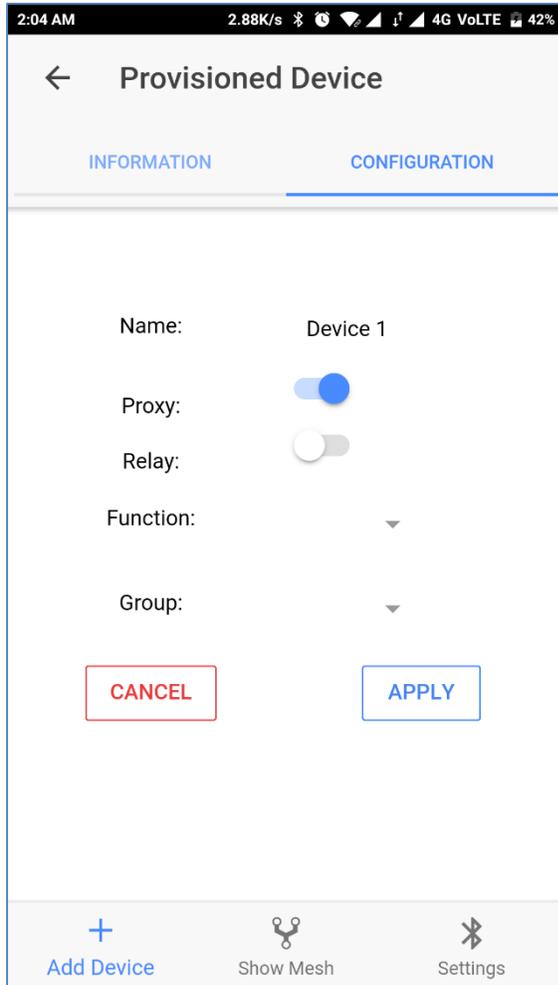
- Setup for Android and iOS will be shared along with the mobile application.
- A few screen shots captured as reference.
- Note: Screen shots on how to use EtherMind mobile application for the demo, will be provided on coming Monday (23-July, 2018).



Mobile App



Mobile App





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