beacon

Far-UVC Continuous Disinfection Device

BCN2 User Manual

Rev: 4/2026

For additional support, please contact us at info@beaconlight.co

Beacon Technology Solutions, Inc.
111 North Wabash Ave | Suite 100, #3361 | Chicago, IL | 60602

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How Beacon Works

Overview

Beacon is a continuous Far-UVC 222nm disinfection system that seamlessly adapts to homes, healthcare facilities, and workplaces.

Its smart mobile app enables real-time monitoring, optimized, energy-efficient disinfection schedules, and effortless device management—delivering round-the-clock air and surface protection.

By inactivating up to 99.99% of viruses, bacteria, and mold, Beacon safeguards the spaces that matter most. Combining patented UV-C technology with intuitive controls, it provides a powerful, automated layer of protection—designed for maximum safety, efficiency, and peace of mind.

Features

- Long-lasting: 8,000+ hours of operation
- Simple installation: No hardwiring or electrician required
- Easy to use: Air and surface disinfection with a WiFi-enabled phone app
- UL867 Ozone Certification
- EPA Establishment: 105810
- Intelligent operating modes: The intelligent software senses personnel and maintains proper exposure limits while maximizing the power of Far-UVC 222nm disinfection. Beacon also provides users with options to schedule based on personal and/or facility operation needs, aligning with the latest American Conference of Governmental Industrial Hygienists (ACGIH) TLV guidelines.

Setting Up Your Beacon

What's Included - Your Beacon comes with:

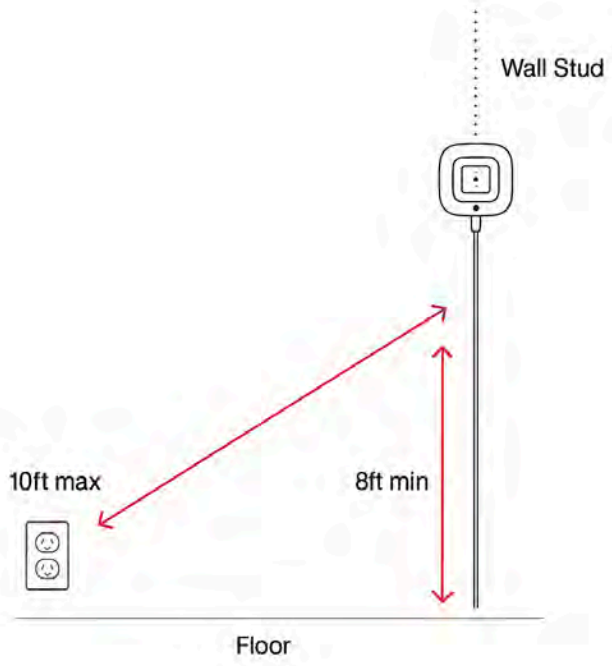
- Beacon Far-UVC 222nm disinfecting light
- Wall mount, 2 mounting screws, and 2 drywall mounting screws, one mounting plate
- Power cord - extends up to 10 feet

What You Will Need - To mount your beacon, you will need:

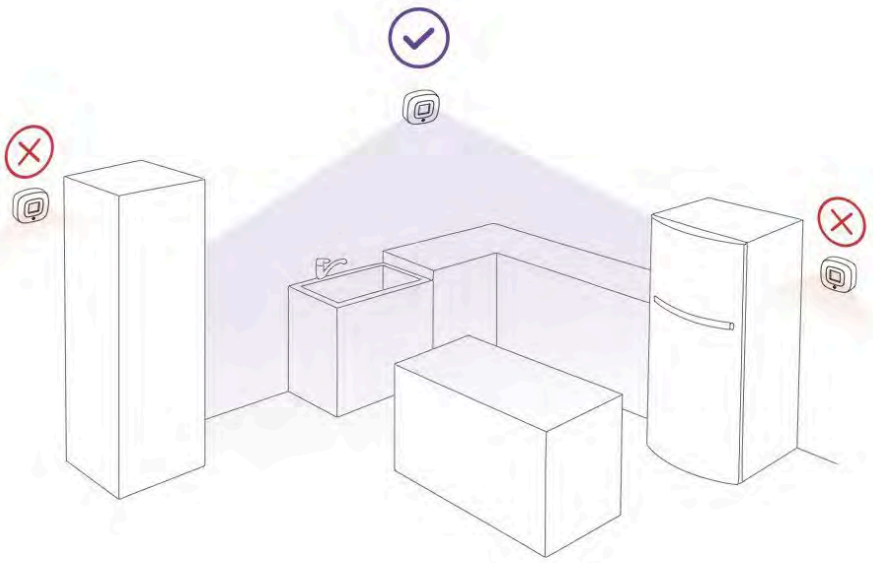
- A screwdriver or drill
- A step stool or ladder

Mounting Instructions - Selecting your desired location

1. Select the room or location in which you wish to install your Beacon and locate a mounting space that is:
    - Eight feet (8') above the ground
    - Within ten feet (10') of an outlet
    - Minimum four inches (4") from ceiling
    - Centered on a wall stud, or in drywall using drywall anchors



2. Check visibility: For maximum coverage, we recommend the space to be in an unobstructed location that faces out into the room (i.e. an unobstructed corner)



Mounting Instructions - Affixing Beacon to the wall

You can install Beacon yourself with just a screwdriver—no hardwiring or electrician needed. It is recommended that Beacon be mounted to a stud.

1. Once you've chosen the height and location, fasten mount (A) to the wall, tab facing up, using the two supplied screws.

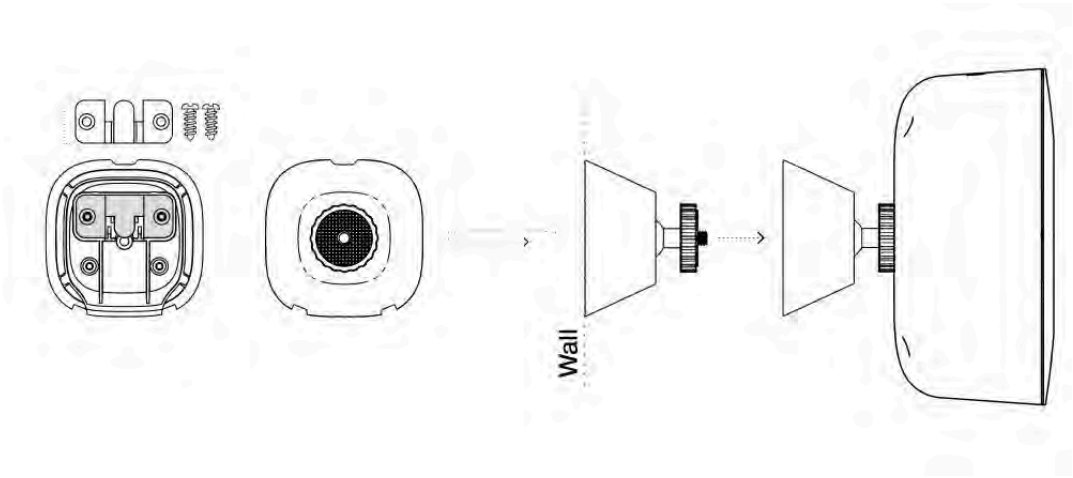
2. Attach the Beacon disinfecting light to the mounting hardware by screwing onto the threaded mount (B).

3. Connect the power jack to the Beacon, route the cord around the light as desired. You can select which direction to run the power cord, up through mount directed above the device or down through the mount for an outlet below the device.

4. Lower the Beacon so its upper plate hooks onto the wall mount plate.

5. After mounting the Beacon, adjust the angle and use the Beacon app to set your disinfection schedule.

6. Insert the power cord into the wall outlet.



Turning On Beacon

1. Once you have installed your device and plugged the cord into the nearest 120V outlet.

2. Turn Beacon on by pressing the "Beacon" button on the bottom of your device.

3. Connect Beacon to the app to complete setup (detailed instructions below).

Setting Up Beacon's App

1. Visit the Beacon App Guide Below for full app instructions

2. *Make sure your phone's Bluetooth is on when connecting your device to the app.*

3. Download Beacon's companion app by clicking the links here or searching your Google Play or Apple Store for “Beacon Far-UVC”.

4. After installing the app, create a username and password.

5. You will need to verify your account via an email verification code after initial account creation.

6. Once logged in, follow the prompts to fill in the following information (this information can be changed at any time):
    - First and Last Name
    - Email

7. After completing the steps above, Beacon's app will take you through the process of adding and customizing your device.

Using Beacon's App

Refer to the App Guide for full instructions on how to use Beacon’s app

Notifications

The following notifications and accounts are available to set for your needs.

- Types of Notifications
    - Lamp lifetime usage
        - You will be alerted at 5,000 and 8,000 usage hours
    - Device is not connected
        - E.g. if your device is offline and WiFi is down
- Account owner/viewers receives these notifications

Beacon Operating FAQs

How do I install Beacon?

Please refer to the instructions in the "Setting up your Beacon" section above.

Do I need to hire someone to help install Beacon?

Beacon does not require any hardwiring or installation support from a professional electrician; however, you may desire someone to install on your wall based on your comfort levels of mounting/installation.

How do I know Beacon is working?

You can check via Beacon's app that your device is working by toggling the on/off switch.

When toggling on - your device LED will turn white

When toggling off - your device LED will turn off

How do I clean my Beacon?

Disconnect power to the unit prior to opening or performing any maintenance.

Wipe off exterior dirt and debris using a soft, clean cloth. A mild detergent and water may be used if necessary. **CAUTION:** DO NOT USE ABRASIVE CLEANERS (e.g., Pine oil, cleaning erasers, powdered cleaners, scrubbing tools, etc.) ON THE LENS. THEIR USE MAY RESULT IN DAMAGE.

If dust or fingerprints are present, clean the glass with a non-abrasive cleaner. It is recommended that the glass be cleaned periodically to retain intended Far-UVC 222nm transmission.

- Schedule each individual Beacon as desired and track information for each based on required usage.
- Share your Beacon account with others and update your settings whenever desired.

Why do I have to add Rooms to use my Beacon?

To ensure all proper ACGIH TLVs dosage limits are within the recommended amount, we ensure we build an intelligent algorithm to ensure that even with multiple units in one room, your dosage will remain the same.

What are the operating modes?

Beacon has three operating modes:

- Smart+ Mode dynamically changes output levels based on number of people detected for reduced energy waste and maximum disinfection effectiveness
- Smart Mode maintains consistent output for simplified operation
- Manual mode operates without an app connection

Which operating mode is right for me?

This depends on your specific needs. Beacon has optimized output levels in Smart+ Mode

How do I select multiple devices to update the mode or schedule?

- Go to List Mode and select the edit pen in the upper right corner
- Select the devices you want to update
- Select the mode you want to change the devices to and select “Save”

How do I get to Device Details of a specific Beacon?

- On your “Device” page select the device name if in the list view or the image and name of the device you want to see in the carousel view.

How do I add another Beacon?

- At any point you may add another Beacon to your account by doing the following:
- Select the appropriate room in the app. If you are adding a new room, please do so on the “Room” screen. When there, select the“+” to add in your Room Name.
- Next, select the relevant Device and select the “+” in the upper right corner of the screen.
- Fill in all the relevant information.

Can I stop my Beacon even if it is scheduled to be on?

Yes. Navigate to the device you want to adjust via either from the main carousel page or list page. After selecting the device, you can toggle it on/off. Note: turning the device off will override any previously set schedule you may have in place. Once you turn your device on, your schedule will resume automatically.

What do the button LED colors mean?

Blue

- Blinking Blue: This is normal when starting/restarting your Beacon while it is on and connecting to the cloud. This will stop after 5-10 blinks and will return to a solid color, indicating normal operations.
- Solid Blue: Connected to WiFi

White

- Your Beacon is on.

No Color

- Your Beacon is off.

Red:

- Indicates an error state, see below for reasons why,

Note*: If you experience any error lights, try turning* Beacon off for 5-10 minutes to let it cool down and then try turning the lamp back on. If the error persists, please contact us at info@beaconlight.co.

Why is there an error, or why is the Beacon button flashing red?

- This could be for several reasons: There is an obstruction within 1 foot of Beacon (the device will not operate if an object is detected within 1 foot).
- In the event of a blocked sensor, gently wipe off the lens. Do not use abrasives or scratch the lens, as this will impact the use of your device.

General FAQs

In what size space does Beacon work?

Beacon generally recommends one device for up to 1,000 square feet.

What is the wattage?

- Wattage on power: 14 Watts
- Wattage on Steady State operating: 11 Watts

Is Beacon safe to use around pets?

Research shows that Far-UVC 222nm is safe to be used around pets, though Beacon does not make any specific representations at this time. For more information on the safety of Far-UVC, visit our Science page.

What are the power requirements?

There are no special power requirements. Beacon is powered via a standard 120V outlet.

Is Beacon mobile?

We recommend Beacon be installed according to the installation instructions in the "Setting up your Beacon" section above.

Can I use Beacon to disinfect my hands/body?

Beacon is a disinfecting device that supports air and surface disinfection. Please follow mounting instructions to ensure you are within exposure limits. We do not recommend you use this device specifically for hands/body disinfection; though some disinfection may result if exposed to the Far-UVC 222nm light.

Can I use Beacon to disinfect my groceries and other objects?

Yes, Beacon will help disinfect the surfaces of items that are placed within its line of sight.

Can I connect Beacon to a battery pack so that it works in mobile locations?

All installation and usage must be done in accordance with Beacon's installation instructions. It may be possible to use Beacon in this manner if done properly.

What if my ceilings are only 8 feet tall?

Some spaces only have ceilings at 8 feet tall. Please mount your Beacon as close to the ceiling as possible. It is also possible to hang your Beacon from the ceiling.

How do I get the app?

You may download the app at Google Play or Apple Store

Does Beacon have a web-based portal?

Beacon currently supports our enterprise customers via our web-based portal. Smaller businesses and individuals utilize our app for Beacon device management.

What functionalities does the app have?

- Add, edit, remove rooms, devices at any point.
- Share account details
- Notifications

What is Far-UVC 222nm?

Please check out our blog here.

What is the difference between Far-UVC 222nm and UVC?

Far-UVC 222nm is part of the UVC spectrum of light, which constitutes light from 100 to 280nm in wavelength. Far UVC is a subset of UVC spectrum operating from 200-230nm.

What makes Far-UVC 222nm safe?

Far-UVC, specifically 222nm, has been rigorously tested and appears to be unable to penetrate the outer layers of our skin and eyes. Other wavelengths in the UVC spectrum, like 254nm, can penetrate these outer layers and may cause harm upon extended exposure. Please see Beacon's website for additional research studies and details.

Does sunlight impact the efficacy of Far-UVC 222nm?

Sunlight has not been shown to impact the efficacy of Far-UVC 222nm.

How quickly does Beacon disinfect?

The speed of disinfection depends on a variety of factors, including:

1. This pathogen you are looking to disinfect
2. The amount of disinfection you are seeking (i.e. 90% vs. 99.9%)
3. The length of usage
4. The conditions in the environment in which you are operating Beacon.

Is Beacon filtered?

Yes, Beacon uses the Eden Park Gen3 Excimer emitter that utilizes a tested filter; this filter ensures the product emits only 222nm light.

Does Beacon contain or create any VOCs?

Beacon does not contain any VOCs. Far-UVC 222nm is continually being tested to understand if it creates additional ozone exposure. So far, studies have shown Far-UVC 222nm to operate safely within OSHA recommended limits.

Safety and regulatory information

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IMPORTANT SAFETY INSTRUCTIONS

OCCUPIED SPACES DIRECT IRRADIATION UV EQUIPMENT

IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS!

When using electrical equipment, basic safety precautions should always be followed including the following:

• To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.

• Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.

• Installation and service of this equipment should be performed by a qualified licensed electrician.

• This equipment is designed for use with germicidal UV radiation sources and must be installed in compliance with competent technical directions to prevent risk of personal injury from UV radiation.

• UV radiation can pose a risk of personal injury. Overexposure can result in damage to eyes and bare skin. To reduce the risk of overexposure this equipment must be installed in accordance with the manufacturer's site planning recommendations. This may include instructions on the relative location of each germicidal system component, the minimum distances between UV-generating devices and other objects or surfaces, and protection from line-of-sight exposure to UV radiation in occupied spaces located above the equipment mounting area (e. g. upper floor balconies, open staircases, etc.)

• UV and optical radiation can be reflected by surrounding surfaces such as ceilings and walls. Since the reflective properties of surfaces can vary widely, it should be considered as part of site planning. Follow the manufacturer's recommendations for selecting appropriate ceiling and wall finishes.

• IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THAT PERSONS WILL NOT BE EXPOSED TO EXCESSIVE UV OR OPTICAL RADIATION DURING EQUIPMENT OPERATION. THIS WILL REQUIRE THE INSTALLER TO CONDUCT AN ASSESSMENT OF IRRADIANCE OR ILLUMINANCE LEVELS IN THE SURROUNDING OCCUPIED SPACES PRIOR TO OCCUPANCY.

• Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering.

• Maintenance and servicing of this UV generating equipment shall be performed by authorized personnel. Service personnel must wear appropriate Personal Protective Equipment (PPE) if the equipment will be in operation during the maintenance or servicing work. Contact the equipment manufacturer for PPE recommendations and guidance.

• The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

• Do not use this equipment for other than intended use.

• Beacon is not intended for use with wall switches. Connect to an unswitched circuit intended for 24/7/365 continuous operation.

• All references to "disinfection" are referring generally to the reduction of pathogenic bioburden and are not intended to refer to any specific definition of the term as may be used for other purposes by the U.S. Food and Drug Administration or the U.S. Environmental Protection Agency. The disinfection technology as incorporated in Beacon products is not for use as a medical device or for the disinfection of medical devices.

• It is the obligation of the end-user to consult with appropriately qualified Professional Engineer(s), a Certified Infection Control professional, and a Certified Industrial Hygienist, as applicable, to determine whether this equipment and its installation meets the applicable requirements for system performance, code compliance, safety, suitability and effectiveness for use in a particular application design. In no event will Beacon be responsible for any loss resulting from any use of this equipment in an application design.

• DO NOT INSTALL DAMAGED PRODUCT! This equipment has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or

broken during or after installation should be replaced. Contact the manufacturer for replacement.

• Follow all disposal laws when replacing or disposing. Excimer lamps do not contain hazardous materials and can be recycled by standard electronics recyclers.

• Do not install below the minimum height specified in these installation instructions.

• This equipment, including the lamp modules, must be stored in a dust-free environment, and be handled while wearing clean gloves. Since Far UVC radiation is absorbed by proteins and other organic compounds, accumulation of dust particles or touching of the optical radiation surface will negatively impact the output of the UV radiation source and its germicidal power.

• Replacement lamp modules must be purchased through Beacon. Contact Beacon when module reaches end of life.

• These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired, or should problems arise which are not covered sufficiently for the purchaser's or owner's purposes, please contact Beacon at support@beaconlight.co.

IMPORTANT SAFETY INSTRUCTIONS

OCCUPIED SPACES DIRECT IRRADIATION UV EQUIPMENT

Beacon – Wall Mount

READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING
RISK OF ELECTRIC SHOCK

- Disconnect or turn off power before installation or servicing.
- Verify that supply voltage is correct by comparing it with the equipment label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.
- All wiring connections should be capped with UL approved recognized wire connectors.

CAUTION
WARNING
RISK OF BURN

- Allow lamp/fixture to cool before handling. Do not touch hot lens, lamp, guard, or enclosure.
- Follow all lamp manufacturer's warnings, recommendations and restrictions on lamp operation including but not limited to: ballast type, burning position, replacement, and recycling.

CAUTION
RISK OF INJURY

- Wear gloves and safety glasses at all times when removing equipment from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.

CAUTION
RISK OF FIRE

- Keep combustible and other materials that can burn away from lamp/lens.
- Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.

UV EXPOSURE RISKS

- Disconnect or turn off power to equipment before performing maintenance on it or other elements in the ceiling or space that require closer proximity than normal standing height away from the equipment.
- Skin or eye injury may result from overexposure to the light produced by the lamp in this equipment at distances less than 24 in. from the emitter.
- Emitters used in this product are classified as **RISK GROUP EXEMPT** for actinic UV (200-400nm), near UV (315-400nm), and blue light (300-700nm) hazards as defined in IEC 62471 when installed and used according to instructions in this document.
- This equipment emits UV radiation which can cause degradation of many materials. Remove or protect these materials prior to operation of the unit.

Failure to follow any of these instructions could void product warranties available at www.beaconlight.co/warranty. For technical assistance, email info@beaconlight.co.

EPA Establishment Number: 96734-IL-1. Not registered as a pesticide device and not intended for sale outside of the United States of America.
Beacon assumes no responsibility for claims arising out of improper or careless installation or handling of its products.

Additional Disclaimers

Your Beacon was designed and tested for quality assurance and in accordance with our specifications.

- 222-nm wavelength filtered Far-UVC is emitted from this product.
- It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
- Please use Beacon in appropriate temperature and dry settings.
    - For best performance use between 60-80 degree F and in dry (non-humid) settings
    - Beacon is intended to operate between 32 degrees Fahrenheit and 95 degrees Fahrenheit - please do not operate the device if it falls outside of this range.
- Beacon strongly recommends using its Smart mode that incorporates ACGIH Threshold Limit Values for Far-UVC. It is at the discretion of the user to opt not to use the recommended guidelines.
    - For germicidal applications, refer to ANSI/IES RP-44-21 for additional safety information that should be provided to the user upon request.
- In the event the user opts not to utilize Smart mode, any and all risks associated with the operation of the product, without exception and including risk created for 3rd parties for people or property, will be assumed by the user.
- In the event of product tampering or disassembly of any part of the device, your warranty will be voided. Beacon is not liable for any issues this may cause.
- Beacon uses sensors to prohibit operation within one foot of the device. This sensor, irrespective of what mode you select, will operate continuously. Please do not use abrasives or scratch the lens. In the event of a lens blockage, gently wipe the lens with a dry cloth to remove any debris. Beacon is not responsible for any damage to the lens. If this occurs, please contact the support team to troubleshoot.
- Do NOT touch the bulb directly, or indirectly.
- Do NOT use an extension cord.
- Beacon must be utilized with a standard 120V outlet and the provided adapter. Using Beacon with any other power voltage or adapter is done so entirely at the risk to the customer, and Beacon will not be liable for any damages of any kind.
- Please make sure to follow all hazard markings, where they exist. Hazards inherent in the final product, and warnings against foreseeable misuse and abuse, have been made known to the ultimate user via:
    - Warning labels identified in this manual.
    - Attachments to the physical device.
    - Written instructions.
- In the event of an issue or warranty claim, you must return the Beacon product in its entirety for review, determination, and if necessary, disposal and/or replacement.
- Note: Beacon is not intended to diagnose, treat, or prevent any disease. It is not intended to entirely limit the risk of any disease, including pathogens like fungi, bacteria, or virus, but will aid in the reduction therein. Beacon is explicitly not responsible for any illness or disease of any kind, in any scenario, regardless of circumstance upon usage.
- Note: Beacon is not intended to treat, disinfect, or mitigate particulates (VOCs, etc.) and makes no representations, warranties, or claims otherwise.

- Note: Beacon is not responsible for any damage to your property, including but not limited to plants, pets, surfaces, materials, etc.
- Storage and disposal
    - When your device reaches end of life, please dispose of it in appropriate electronic recycling receptacles that are available in your area. Please reach out to info@beacon.com if you require additional assistance or instructions on disposal.

Contact us

We're here to help.

Visit Beacon at www.beaconlight.co for general information, and email us with specific questions and feedback at info@beaconlight.co

Follow Beacon, join our journey, and stay up to date on the latest happenings on our website, Instagram, X, TikTok, and LinkedIn.

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Beacon 2
Mobile App Guide

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Introduction

Overview
Beacon is a continuous Far-UVC 222nm disinfection system that seamlessly adapts to homes, healthcare facilities, and workplaces.

Its smart mobile app enables real-time monitoring, optimized, energy-efficient disinfection schedules, and effortless device management–delivering round-the-clock air and surface protection.

By inactivating up to 99.99% of viruses, bacteria, and mold, Beacon safeguards the spaces that matter most. Combining patented Far-UVC 222nm technology with intuitive controls, it provides a powerful, automated layer of protection–designed for maximum safety, efficiency, and peace of mind.

Key Benefits

- Continuous cleaning for always-on disinfection
- Inactivates up to 99.99% of viruses, bacteria, and mold
- Safe for use in occupied spaces
- Seamless integration into existing infrastructure
- Chemical-free disinfection
- WiFi-connected smart control
- Scheduling capabilities
- Real-time monitoring

Beacon is compatible and compliant with all relevant regulations including:
- FCC Class A/B
- Supports ASHRAE 241 compliance
- Designed to be compliant with:
    - IES/ANSI RP-27.1-22 (TLV tolerance requirements)

- Standard UL mechanical and electrical requirements

App Requirements

Hardware Requirements

- Beacon Far-UVC 222nm device, mount, and mounting equipment
- Power Outlet – Standard 120V AC outlet to power the device.
- WiFi Network – 2.4 GHz or 5 GHz network.
- Compatible Mobile Device – Smartphone or tablet for app control.

Mobile Device Requirements

Android Device Specifications

- Operating System: Android 13.0 (Oreo) or higher.
- Bluetooth: Bluetooth 4.2 or Bluetooth Low Energy Support for initial installation.
- Location Services: Required for WiFi network verification and device pairing.
- WiFi Access: Necessary for communication with the Beacon device.
- Storage Access: For saving photos/app access persistence and configuration data during setup and monitoring.

iOS Device Specifications

- Operating System: iOS 16 or higher.
- Bluetooth: Bluetooth 4.2 or Bluetooth Low Energy Support for initial installation.
- Location Services: Used for initial WiFi verification and Bluetooth pairing.
- WiFi Access: Required to communicate with the Beacon device.
- Storage Access: For saving images/app access persistence and device settings within the app.

Network Requirements

1. WiFi Connection: Stable 2.4 Ghz or 5 Ghz WiFi network recommended for uninterrupted device operation.
2. Bluetooth Capability: Necessary for initial setup and device control via the mobile app.
3. Local Network Access: Required for communication between the app and Beacon device within the same network.

Beacon Hardware Installation

Refer to the official Beacon Hardware Manual.

Beacon App Installation

Download the latest Beacon App

- **iOS**: Available on the App Store
- **Android**: Available on the Play Store

During setup, the app will request the following permissions to ensure proper functionality

- *Location Services* – Required for WiFi verification.
- *Bluetooth Access* – Needed for device connectivity and control.
- *Local Network Access* – Allows the app to communicate with connected devices (e.g. sends wifi credential).
- *Storage Access* – Enables saving photos and data related to device configuration.

  Note: Please grant all permissions to enable full app functionality.

Getting Started

1. Open the Beacon Application
   - Ensure your device has a stable internet connection before proceeding.

2. Create an Account
   - *Register*: If you're a new user, tap "Sign Up" and enter your information, including your name and email address.
   - *Email Verification*: After registration, you'll receive an email with a verification code. Enter this code in the app to confirm your account.

3. Complete Onboarding and Device Setup

- *Connect to WiFi*: Follow the on-screen prompts to connect your Beacon device to your WiFi network. This may require location services for accurate verification.
- *Create a Room*: Designate a room or specific location for your Beacon device within the app. This helps organize and manage multiple devices if needed.
- *Connect Device via Bluetooth*: Enable Bluetooth on your mobile device to detect and pair with the Beacon device. Follow the app's instructions to ensure successful pairing.
- *WiFi Connectivity/Provisioning*: Once the Beacon is connected via bluetooth, select or manually enter the SSID/Wifi name and password.
- Set Up Disinfection Schedules and Device Modes: Configure the disinfection schedule to automatically run at preferred times. You can also choose between different device modes, such as *"Smart"(default)*, "*Manual*", and "*Unlimited*" based on the disinfection needs of your space.

4. Finalize Setup
    - Review all settings, including schedules, modes, and room settings, to ensure accuracy. Once complete, the app will indicate that your Beacon device is fully configured and ready to use.

By following these steps, you'll be ready to control and monitor your Beacon device through the mobile app, ensuring effective disinfection of your space.

Features & Functionalities

Device Management: Adding New Devices

1. Scan for Available Devices
    1. Initiate a scan within the app to detect nearby Beacon devices.
    2. Ensure Bluetooth and location services are enabled on your mobile device for accurate scanning.

2. Connect to Selected Device
    - Tap the desired device to connect. The app will prompt you to enter WiFi credentials to establish a connection, linking the device to your home or facility network.

3. Assign to Specific Location/Room for better device management.

    - Assign each connected device to a designated room or area within the app, allowing you to easily monitor and manage multiple devices across various locations.

4. Operating Mode Selection

    - **Manual Mode**: Allows you to start and stop disinfection cycles as needed by utilizing the power button.
    - **Unlimited Mode**: Runs continuous disinfection without interruption, ideal for areas that require ongoing sanitization. Can be set up or adjusted based on schedule settings.
    - **Smart Mode**: Automatically adjusts disinfection intensity and timing based on real-time data, optimizing performance based on room occupancy and usage patterns for maximum efficiency.

Each mode is tailored to provide flexible and effective disinfection solutions for various environments.

Real-Time Monitoring

3. Device Status Tracking
    - View each device's status (active, and inactive) from the Beacon details to confirm operational status.

4. Remote Connection Feature
    - Check the connection status (enabled and disabled) to confirm that each device is online and responding to commands.
    - Power Control: Remotely toggle the device on or off from the app for complete control over its operation. This feature allows you to enable or disable devices as needed, without altering the existing schedules.
    - Manual Override: Use the toggle feature as a manual override to pause or resume disinfection outside of scheduled cycles, providing flexibility for unexpected changes in room usage.

5. WiFi Reset / WiFi Re-Provision
    8. If you need to change the WiFi network or reset connectivity, use the WiFi reset feature in the app. This option disconnects the device from the

current network, allowing you to reconfigure its WiFi settings without manually resetting the device. This will prompt you to enter new WiFi credentials, enabling the device to switch networks quickly. This feature is particularly useful when moving devices between different locations or networks.

6. Update Device Details
    - Beacon Information Update: Access device settings to modify key details, such as the device name, re-assign room or location, and device modes. This feature is helpful for keeping device records current, especially when moving devices to different areas or adjusting operating preferences.

7. Delete Device Record
    1. Remove Device Permanently: To delete a device, select “Delete Device” in the Beacon details. This action will permanently erase all historical data associated with that device, removing it from your Beacon dashboard.

    2. Confirm Deletion: You’ll be prompted to confirm the deletion to prevent accidental removal. Once confirmed, the device will be fully unlinked and can be added back later if needed.

Schedule Management

- Create Schedule
    - Set up a disinfection schedule tailored to each room’s requirements.
    - Choose specific days (e.g., Monday-Friday) and specify a start and end time for each disinfection cycle.

- Toggle Schedule On/Off
    - Enable or disable specific schedules as needed. This can be done from the “Schedule Page” screen under beacon details.
    - The toggle allows flexibility, making it easy to pause disinfection when the room is not in use.

- Edit Schedule
    - To adjust an existing schedule, select the room and go to the “Schedule” tab.
    - Update start and end times, modify the days of the week, or change the operating mode.

- Delete Schedule
    - If a schedule is no longer needed, select it within the Beacon's schedule settings and click trash icon.
    - Confirm deletion to remove the schedule, freeing up the device for other configurations or manual control.

Profile Management

1. View Profile Information
    - Access your profile by clicking the dropdown menu in the top right corner and selecting "Profile" in dashboard
    - View your personal information including name, email, and account details

2. Edit Profile
    - From the Profile screen, tap the "Edit" button.
    - Update your personal information including first name, last name, and email.
    - Click "Save" to confirm your changes or "Cancel" to discard them.

3. Deactivate Account
    - In the Profile settings, click the "Deactivate Account" button.
    - A dropdown will appear, confirming the deactivation by specifying the ***deactivate*** keyword.
    - *Note*: This action cannot be undone, and all data will be permanently removed

Settings Management

- Check for Updates
    - Access Settings through the dropdown menu in the top right corner
    - Current version is displayed, and option to check for updates.
    - Tap "Check for Updates" to see if a new version is available

- Change Timezone
    - Navigate to Settings, Select your preferred time zone from the dropdown list

- If there is no Beacon registered in your account, you will need to add a new one before you can change the timezone as it is dependent on Beacon device data.

- View Beacon Usage
  - Go to Settings, and view daily average usage, and total average per Beacon devices. Useful for visibility of device usage and Far-UVC 222nm usage tracking.

Screens

***Figure 1**. Login Screen*

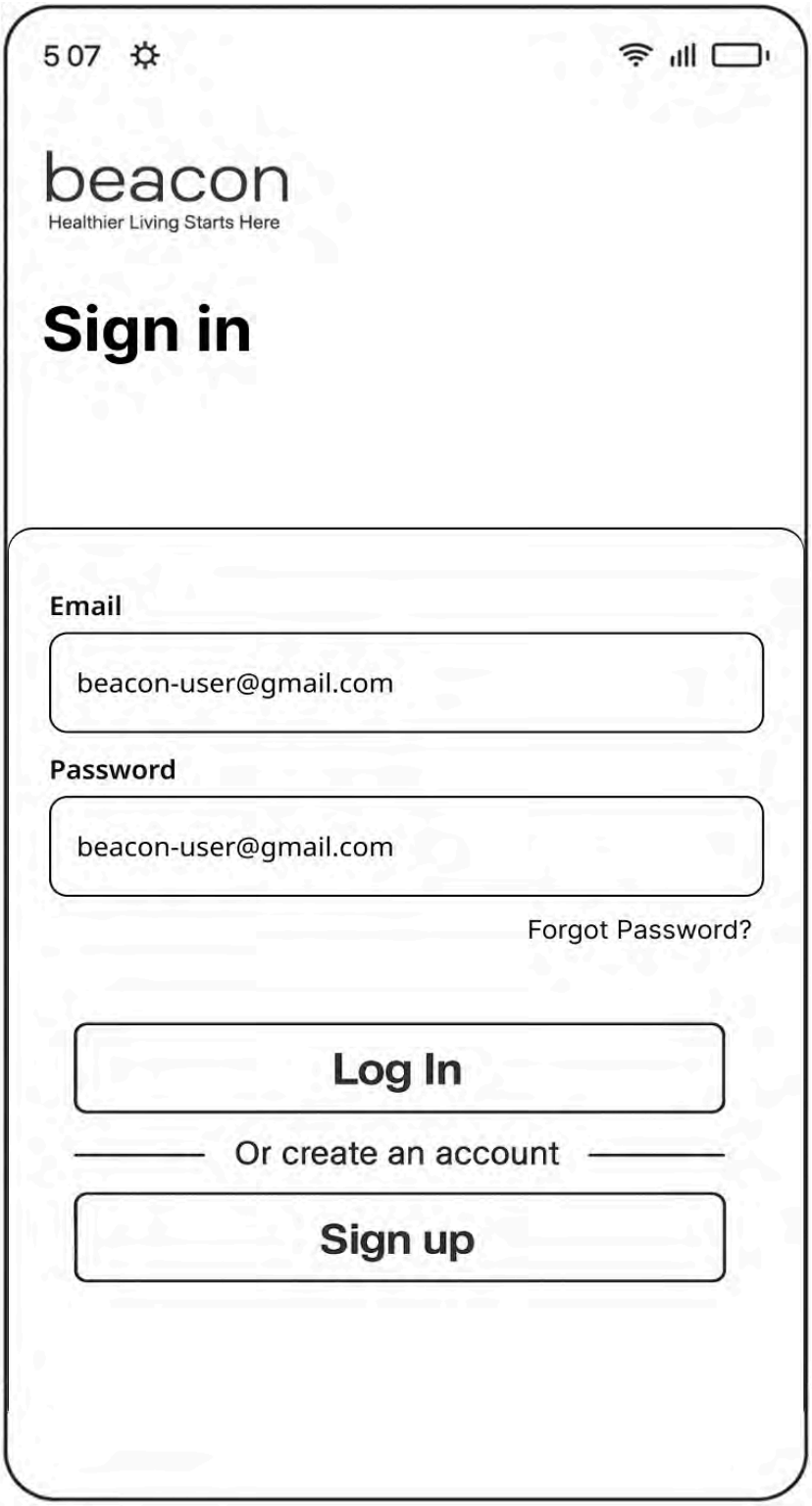

Figure 2. *Pre-Signup Screen*

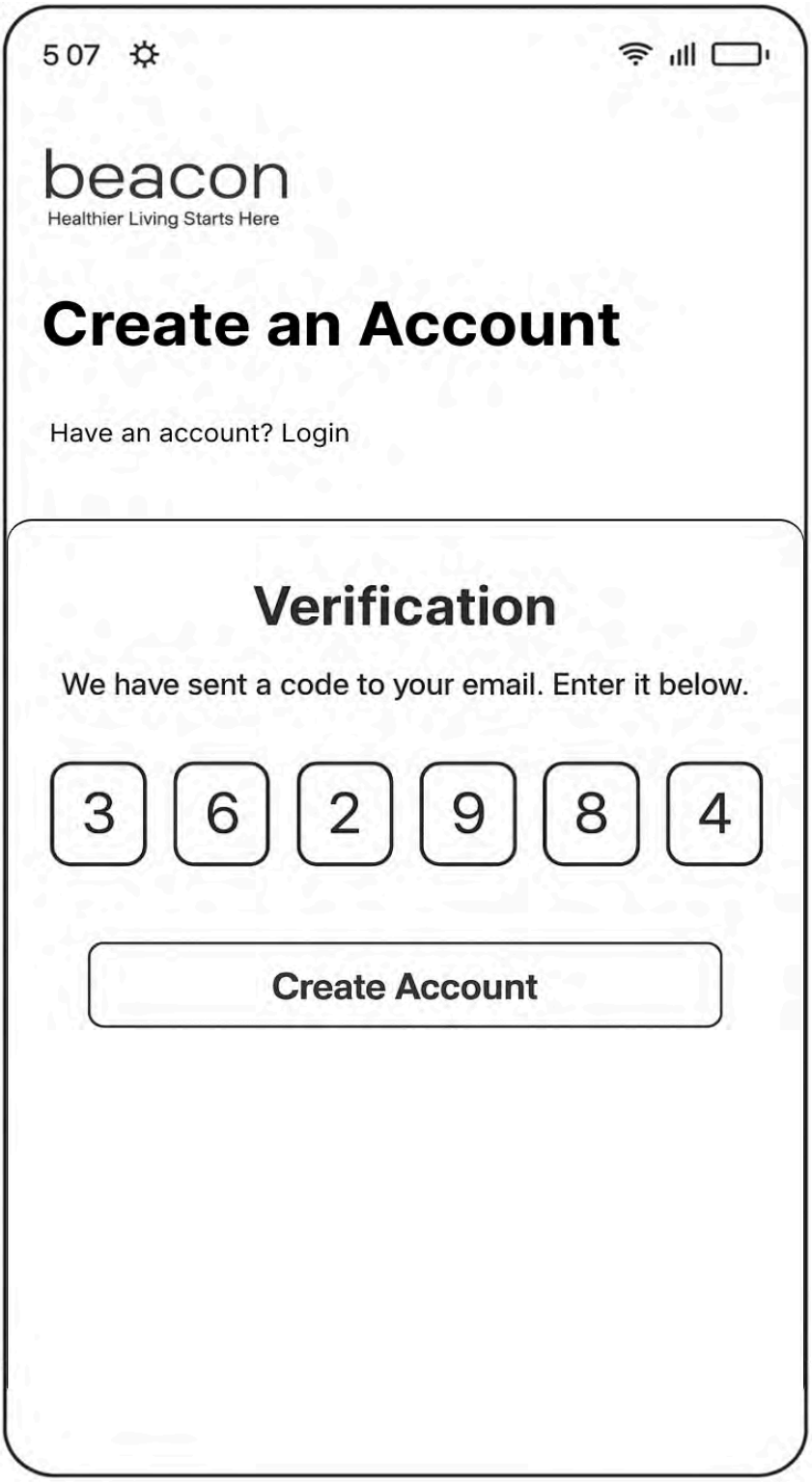

Figure 3. *Post-Signup Screen*

6:56
Living Space
23 minutes until disinfected
Home
Facility
Welcome
Discover how Beacon can help you create a cleaner, safer environment. Let's get started!
Continue

Figure 4. (Onboarding) Welcome Screen

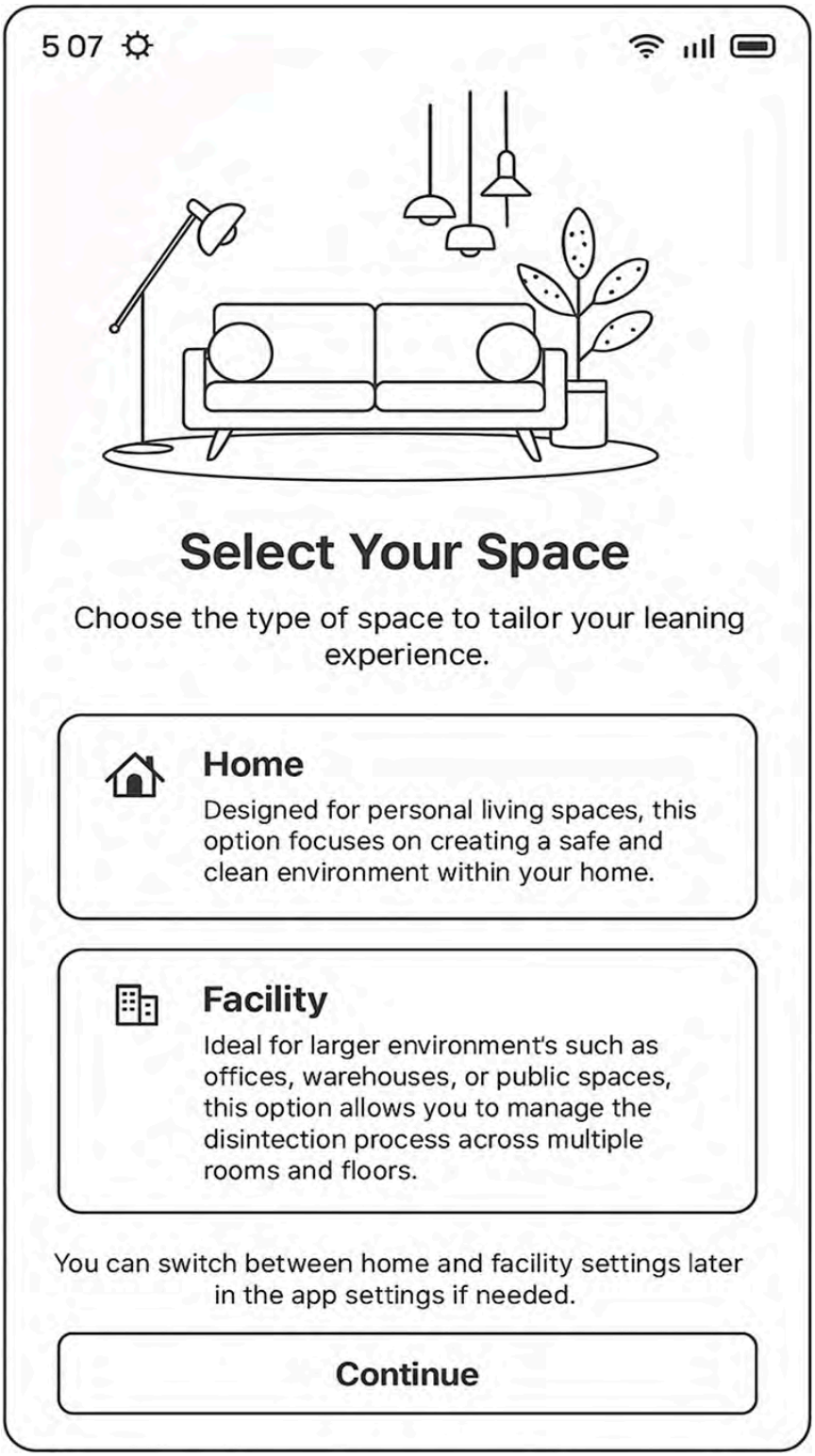

Figure 5. (Onboarding) Space Selection

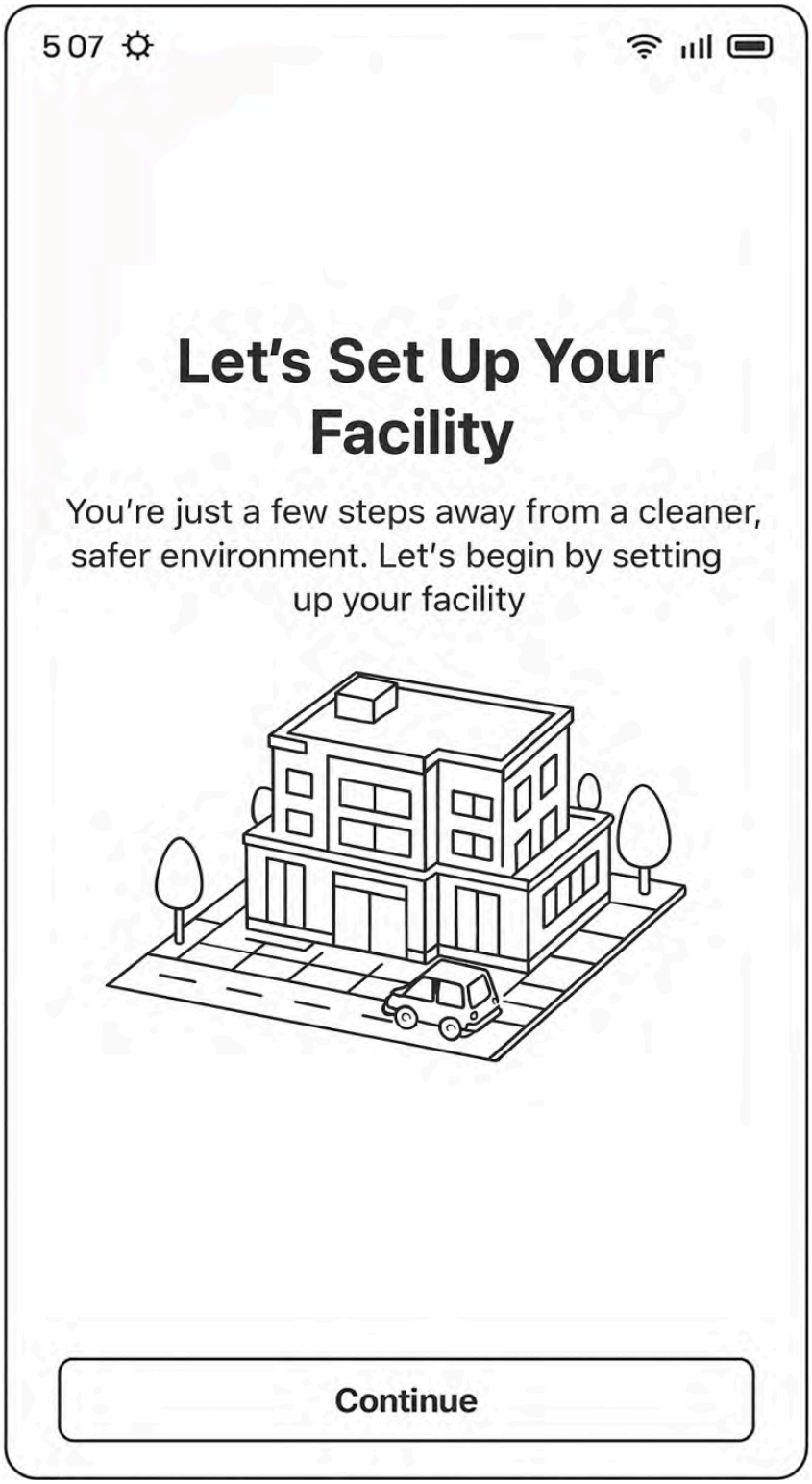

Figure 6. *(Onboarding) Selected Space - Home*

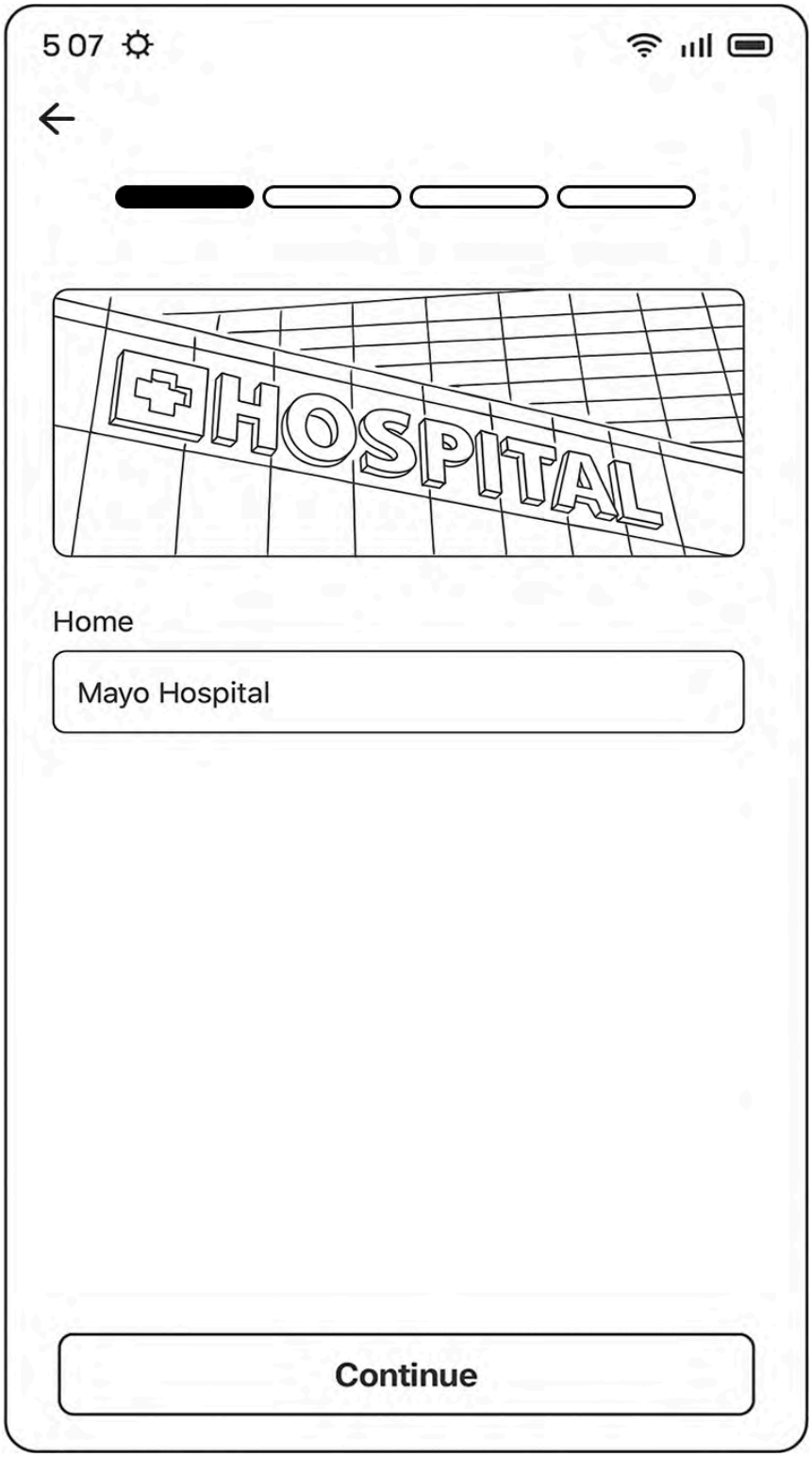

Figure 7. (Onboarding) Add Room Screen

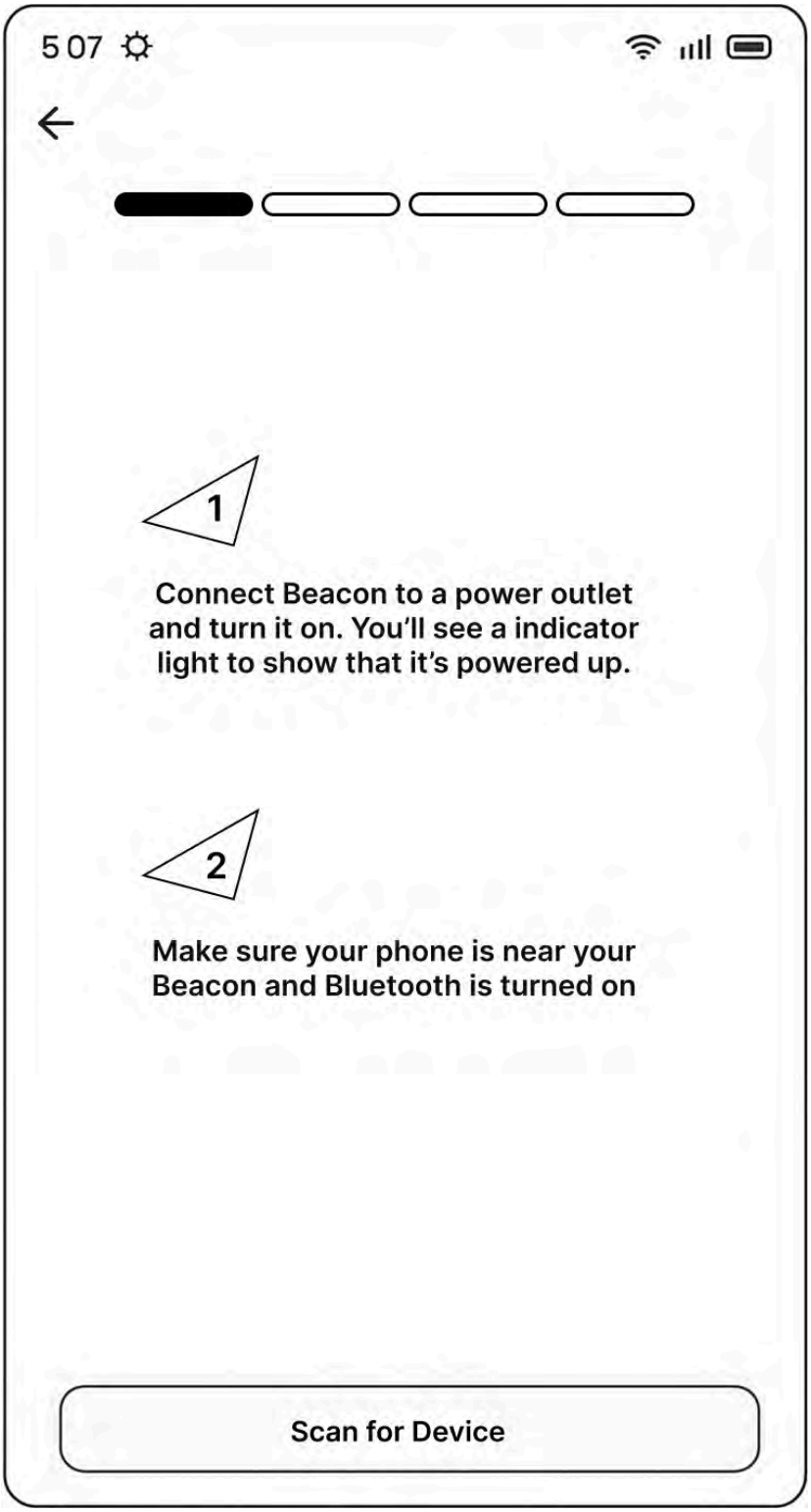

Figure 8. *(Onboarding) Device Connection Instruction*

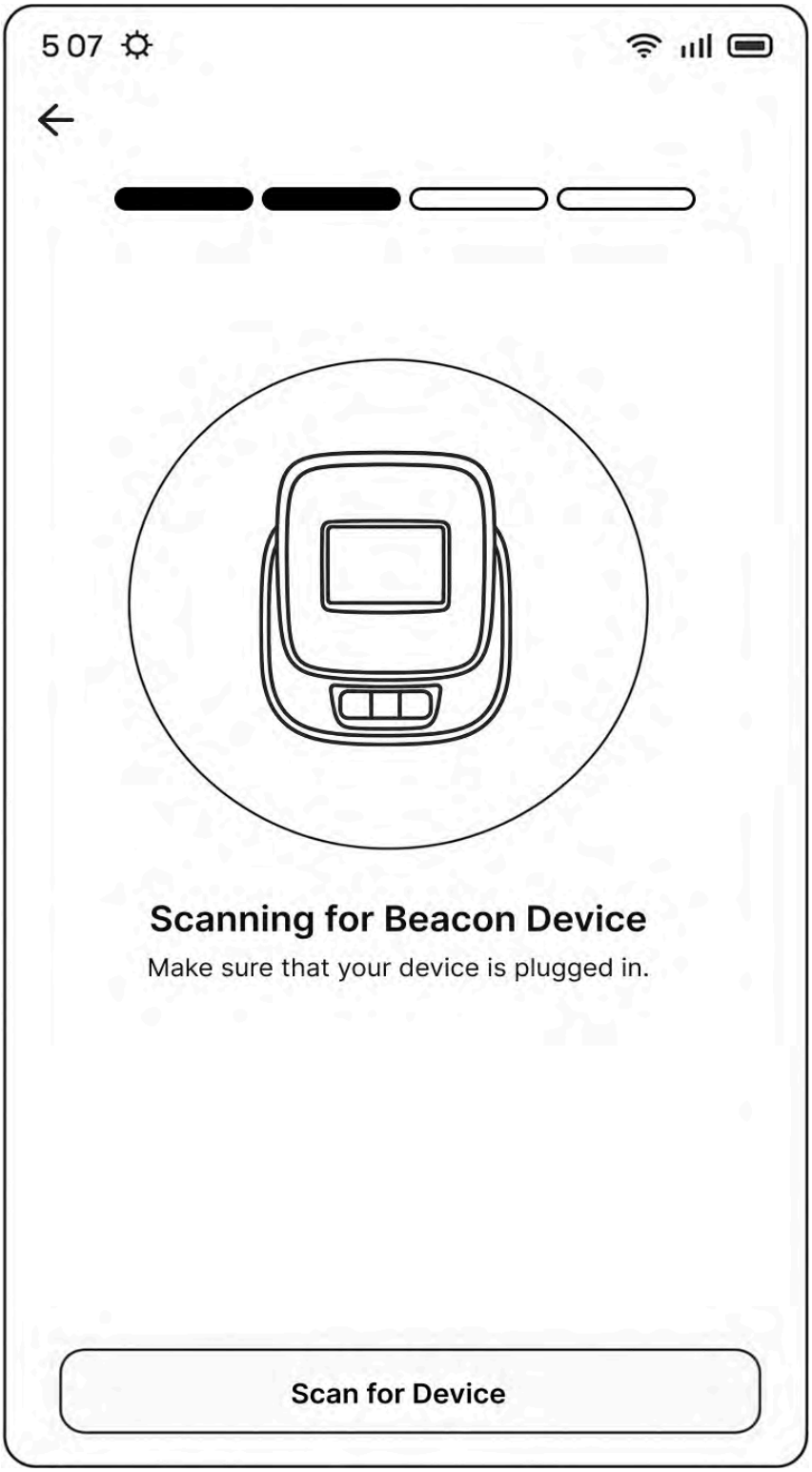

Figure 9. (Onboarding) Device Bluetooth Scan

Figure 10. *(Onboarding) No Device Found*

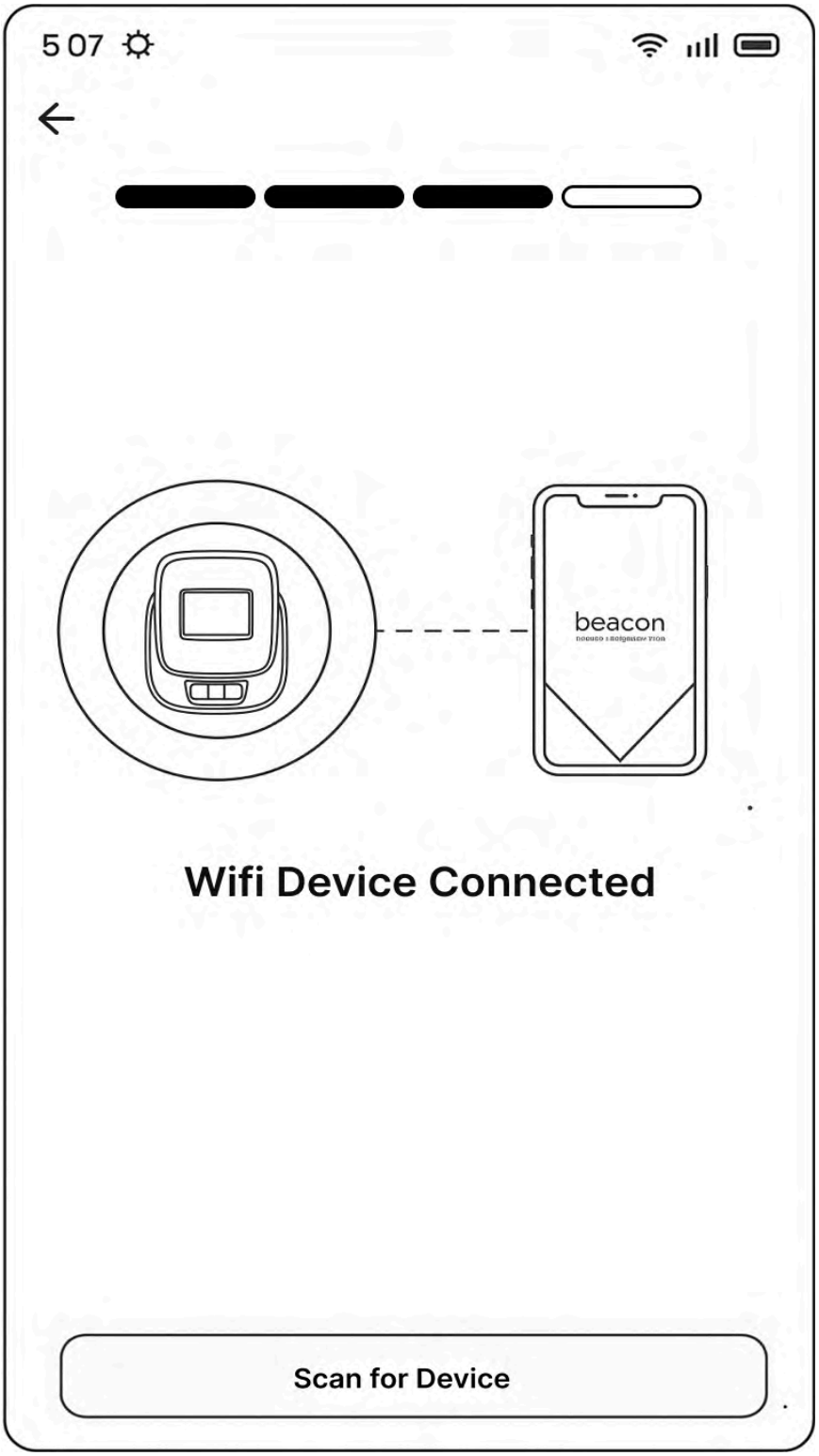

Figure 11. (Onboarding) Wifi Provisioning Screen

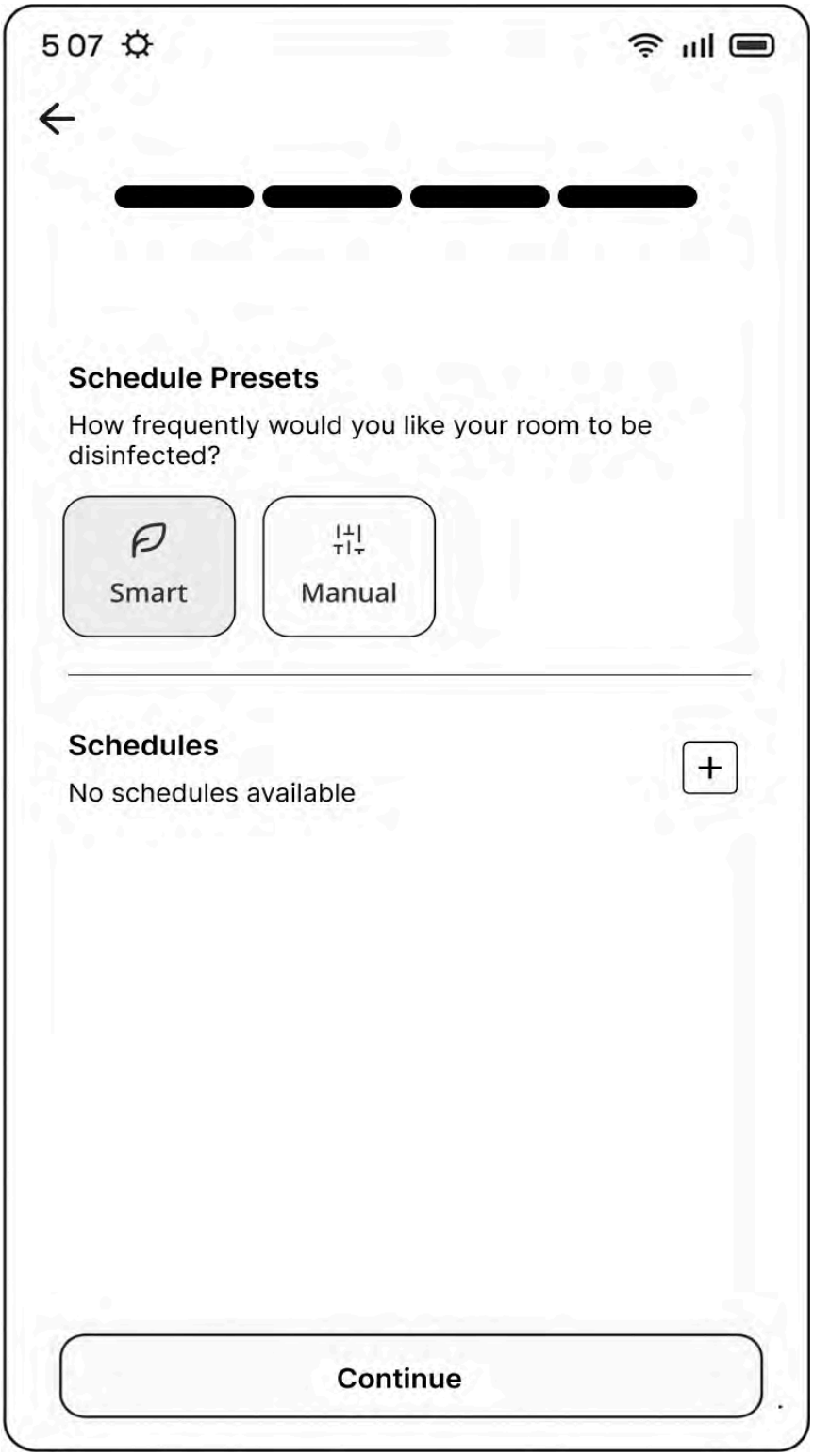

Figure 12. (Onboarding) Schedule Settings

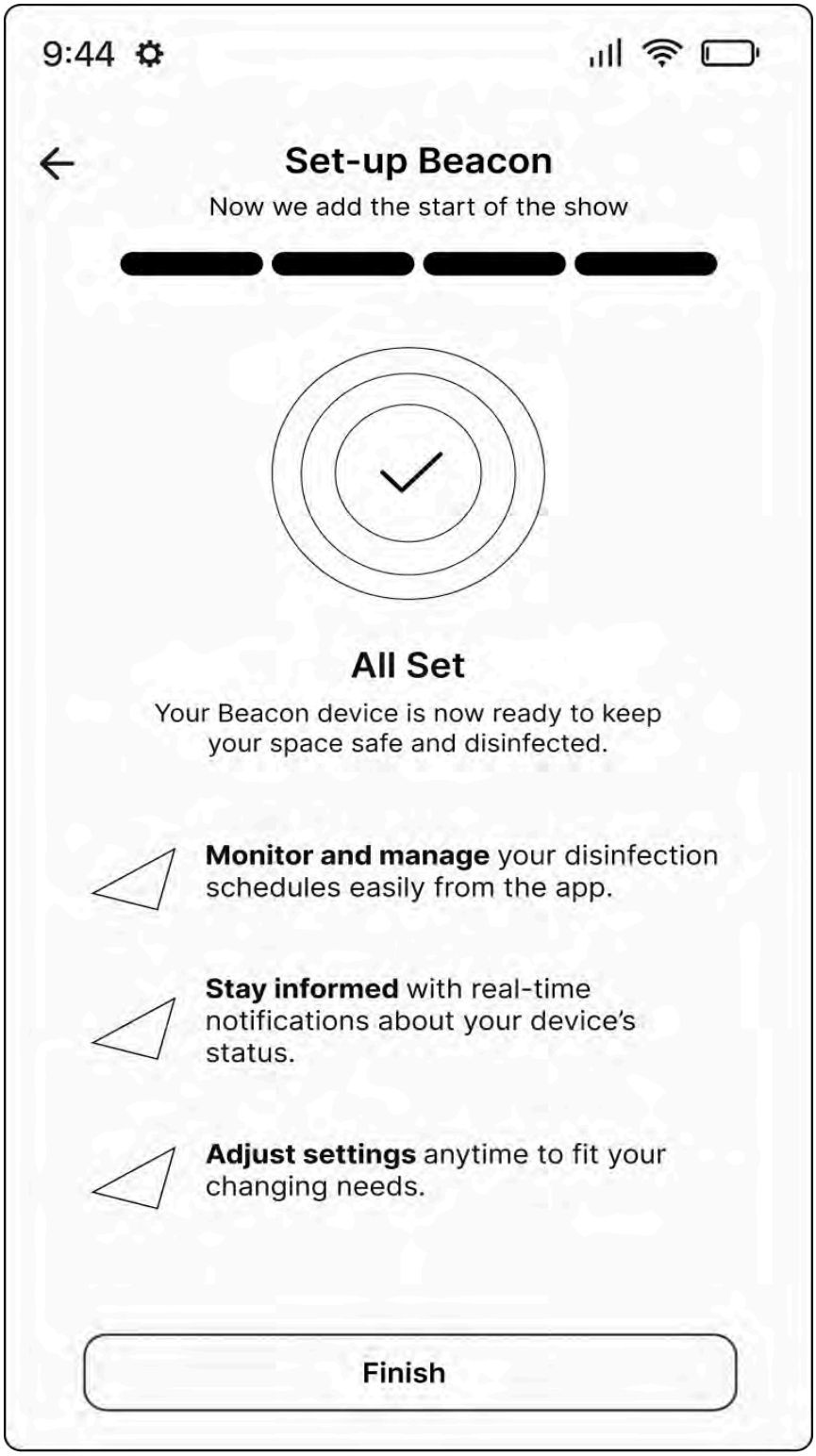

Figure 13. (Onboarding) All Set Screen

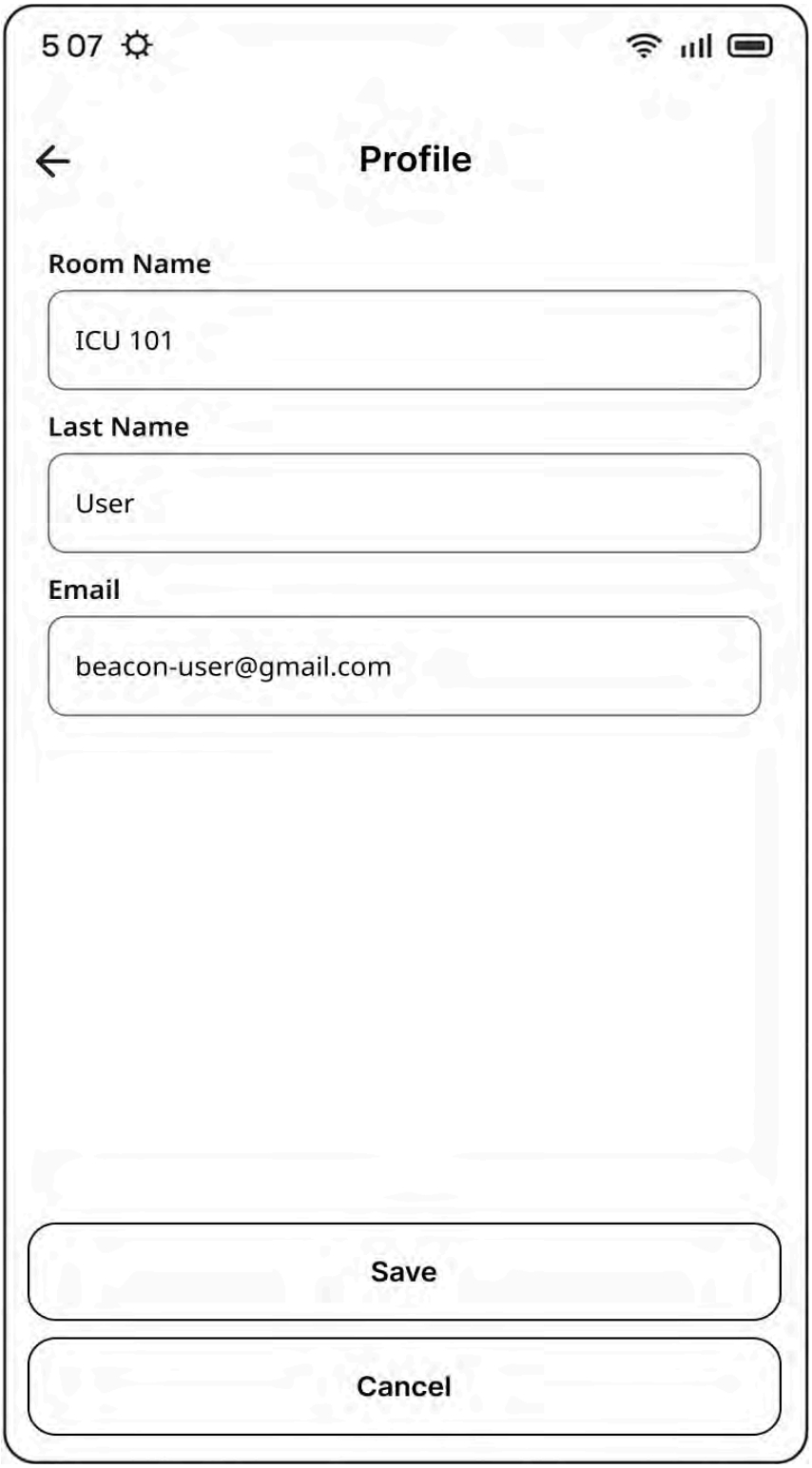

Figure 14. Edit Profile Screen

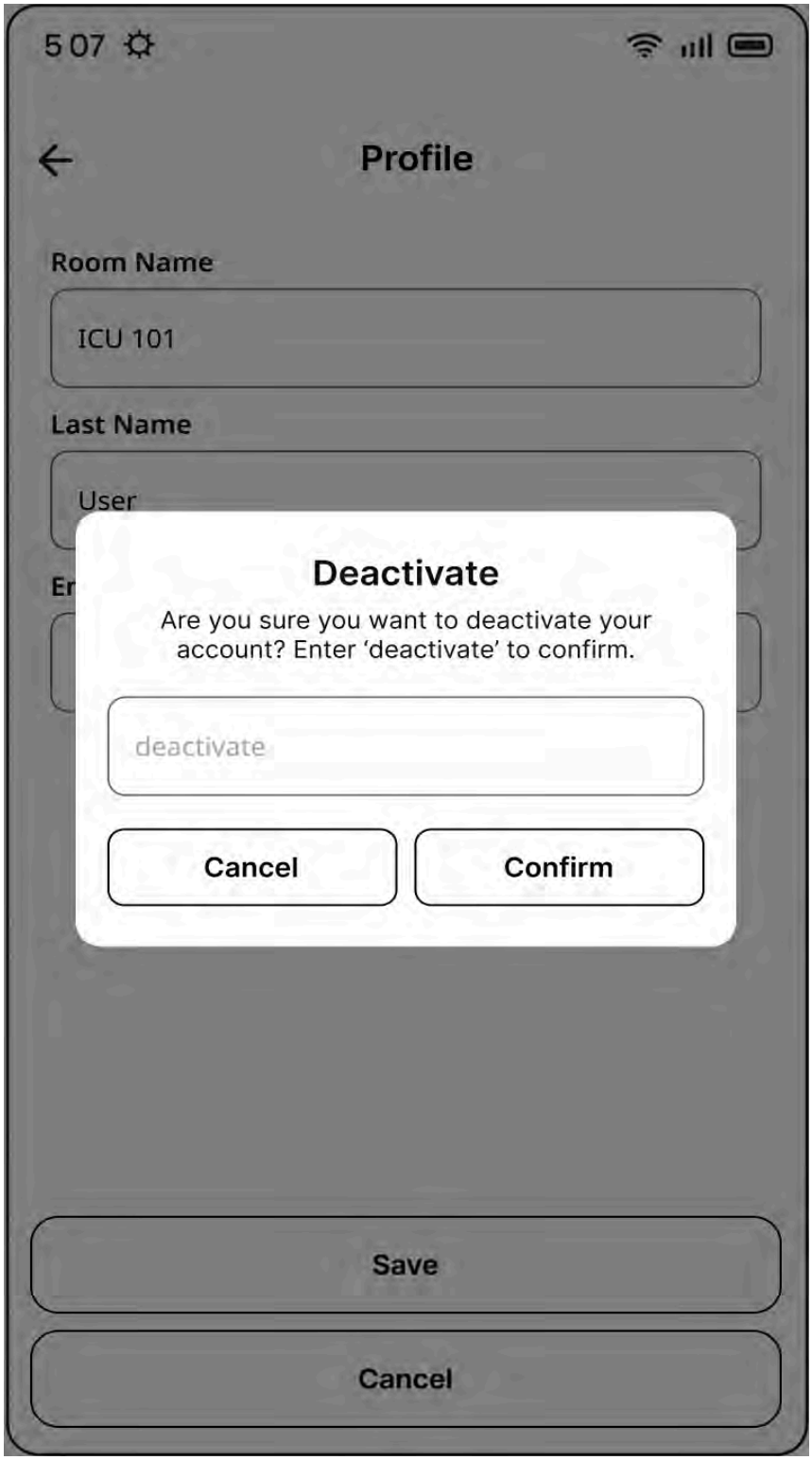

Figure 15. Deactivation flow Screen

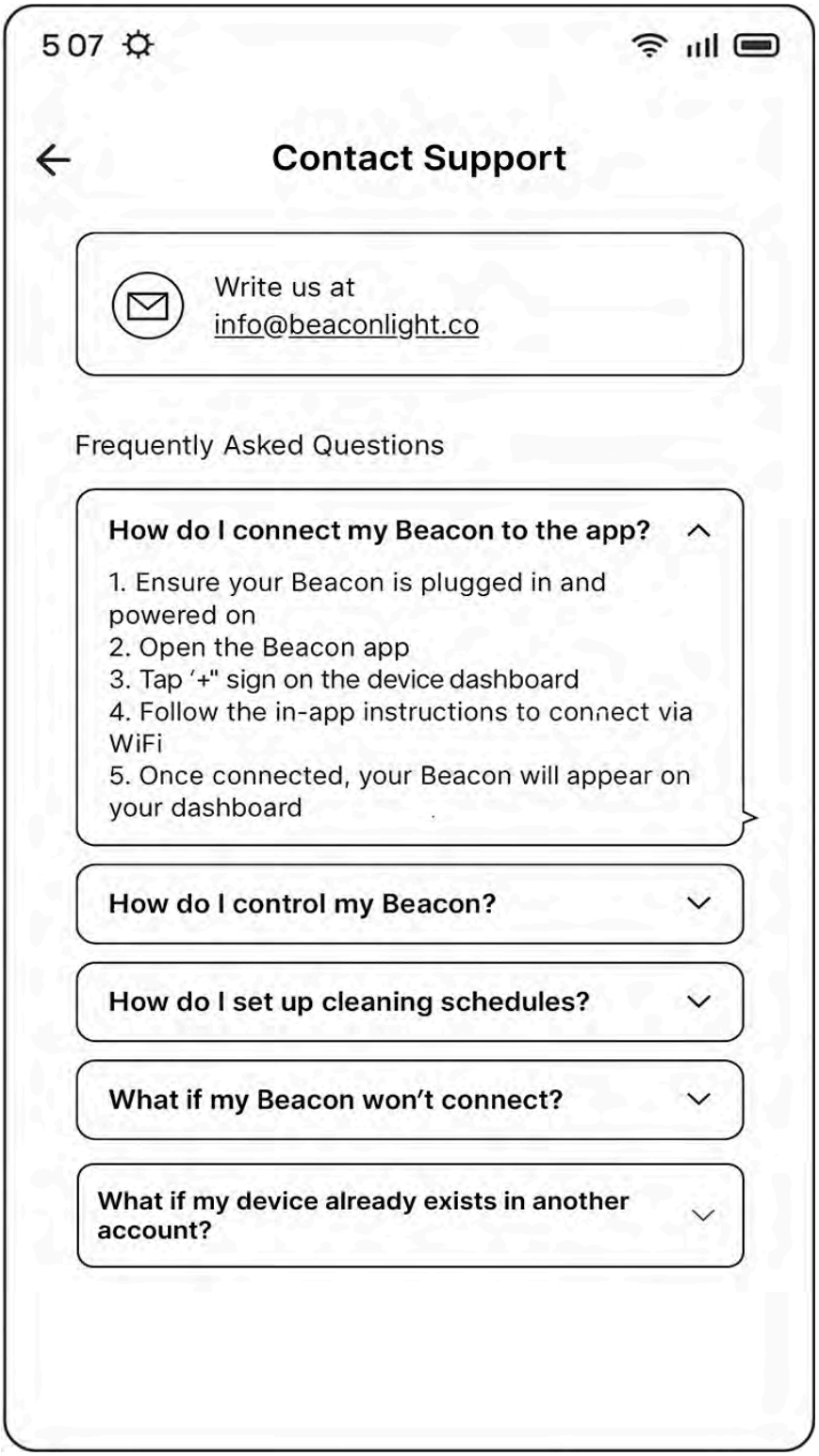

Figure 16. Contact Support / FAQs Screen

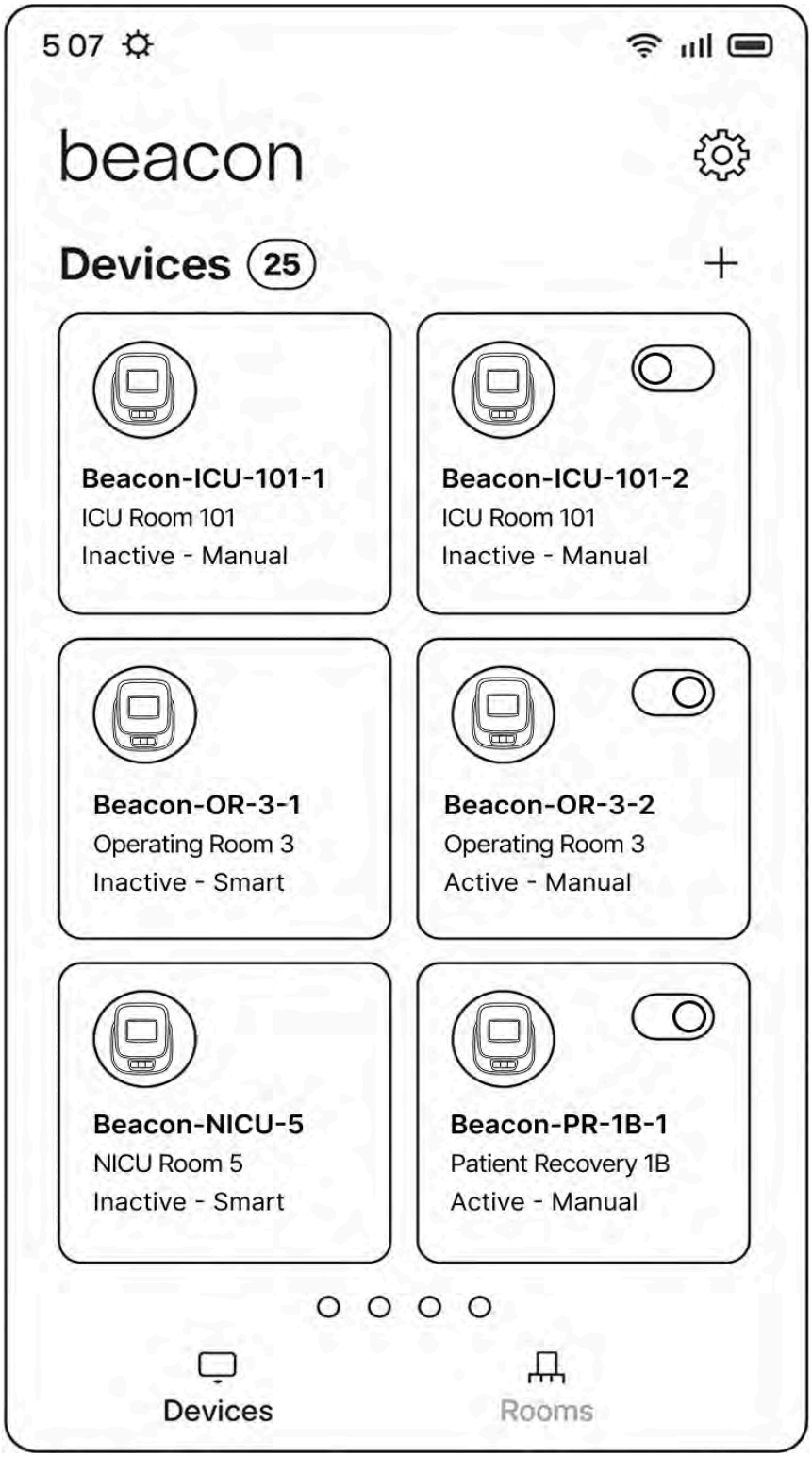

Figure 17. Device Dashboard Screen

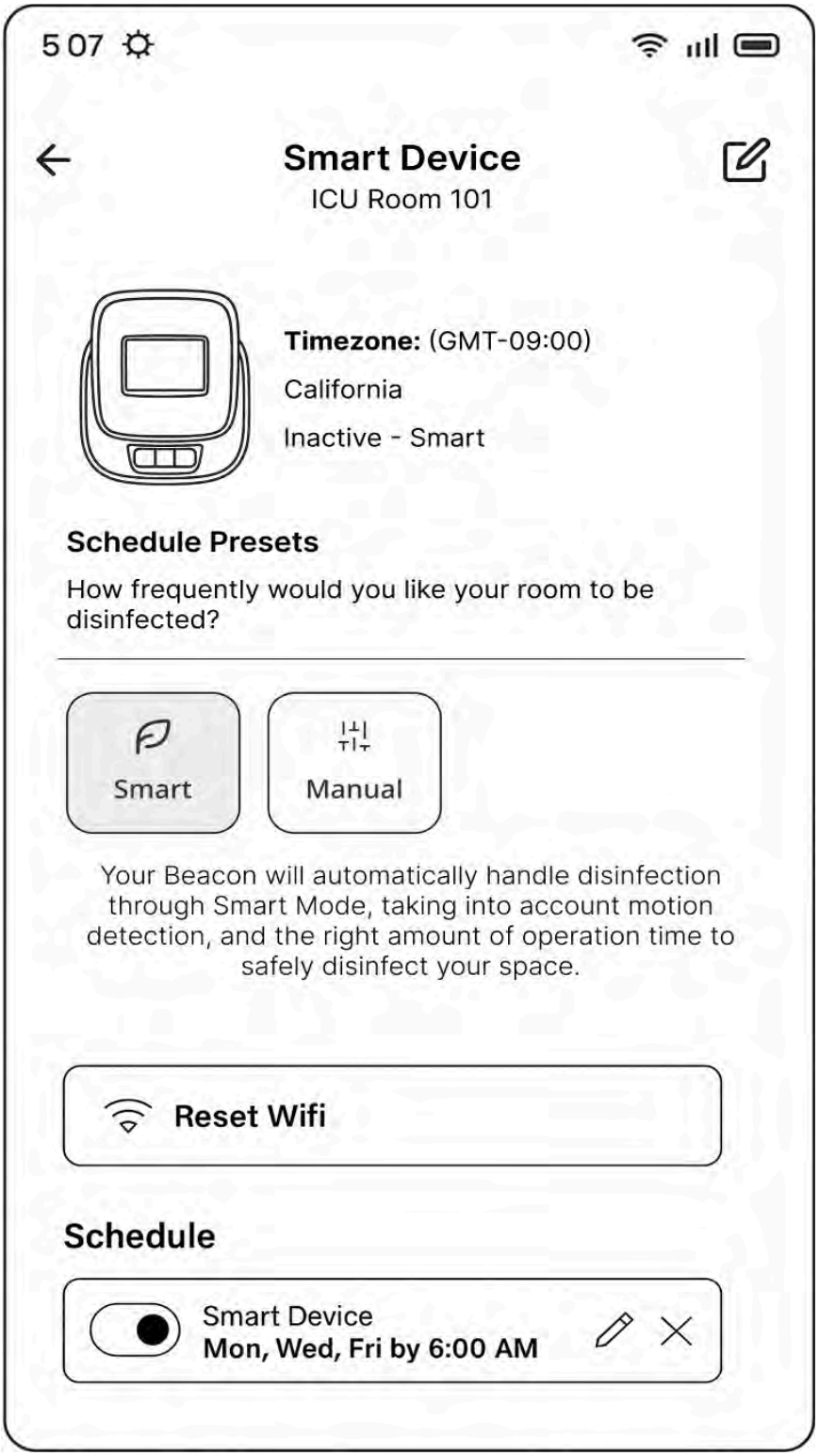

Figure 18. Device Details Screen

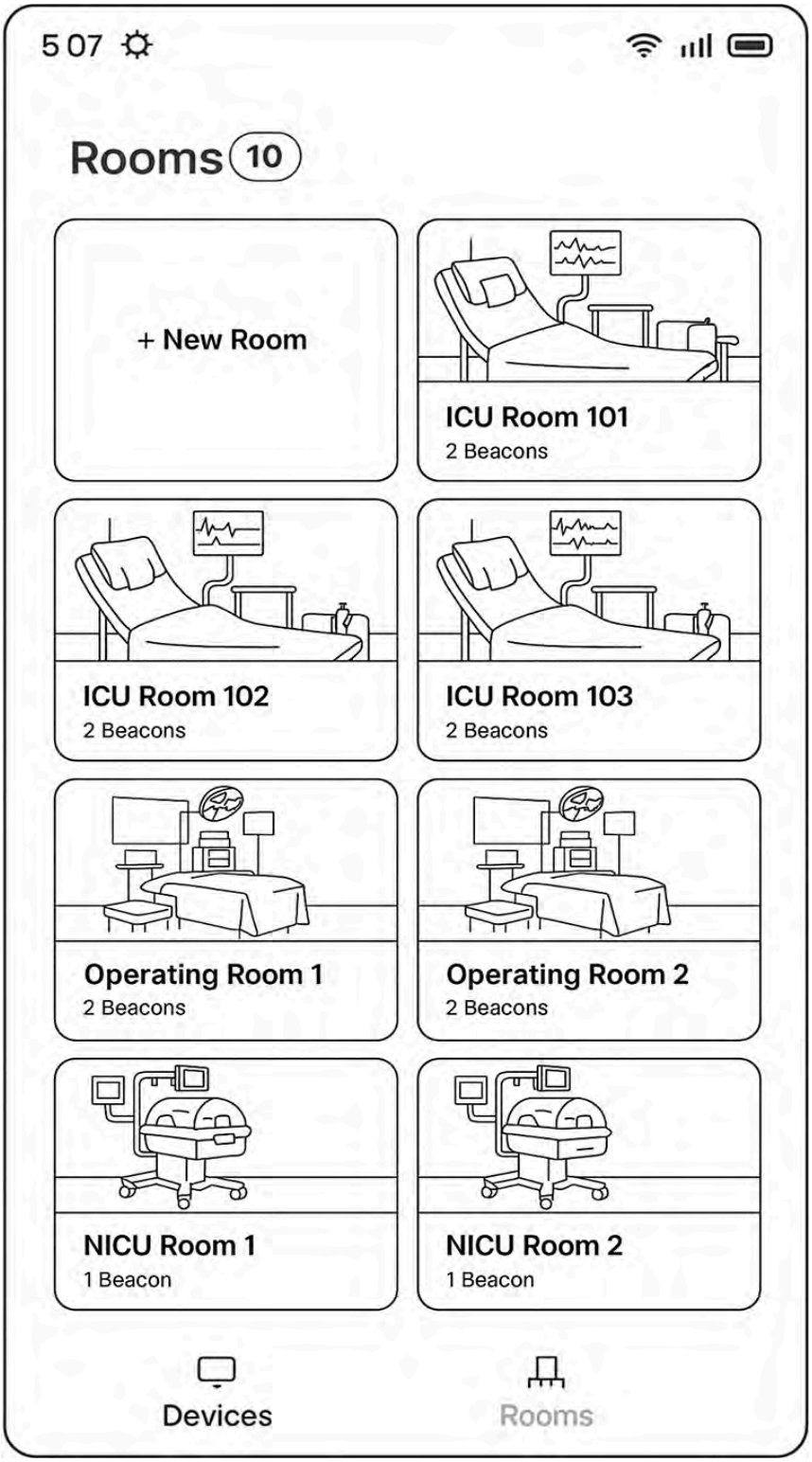

Figure 19. Room List Screen

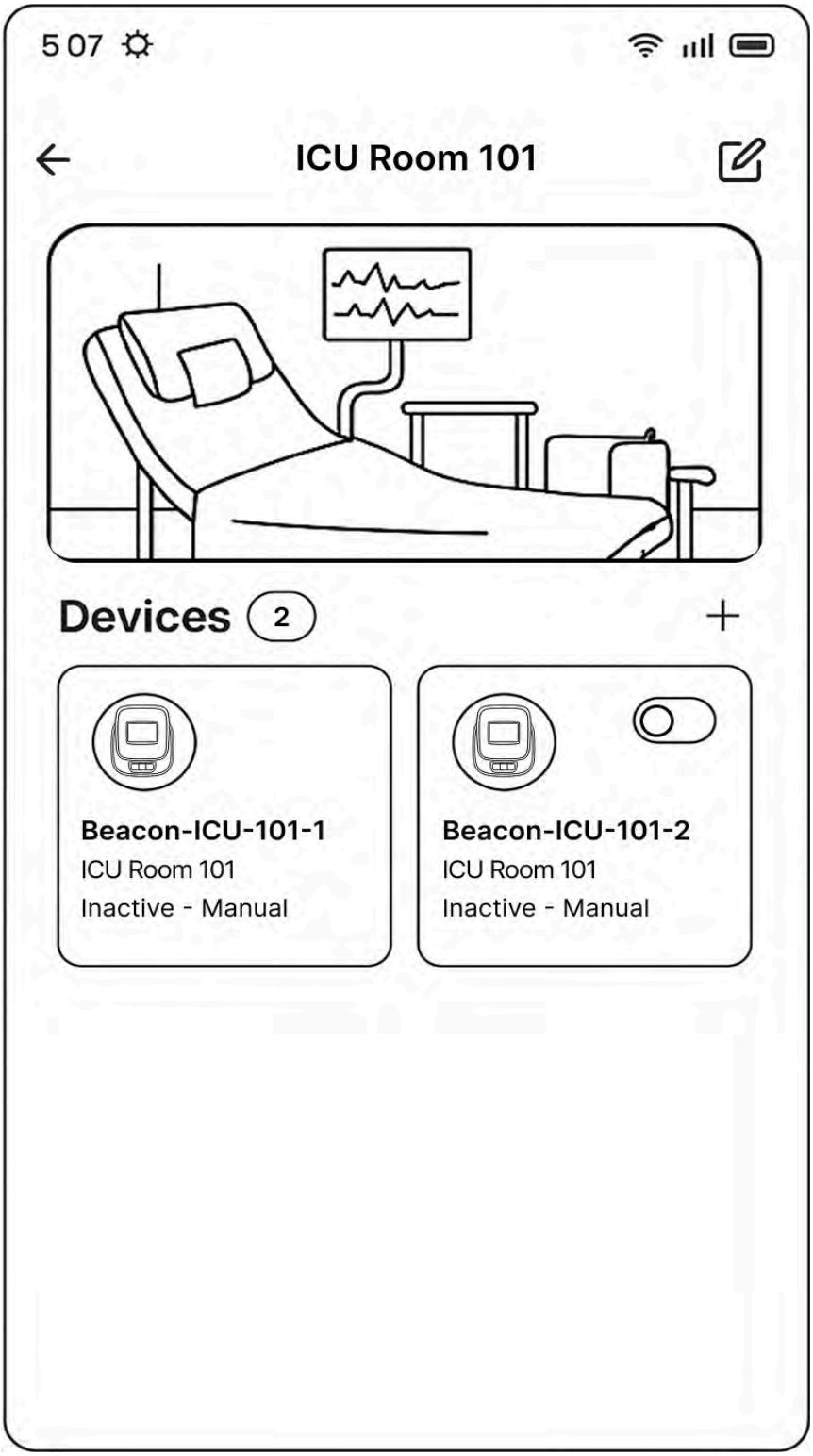

Figure 20. Room Details Screen

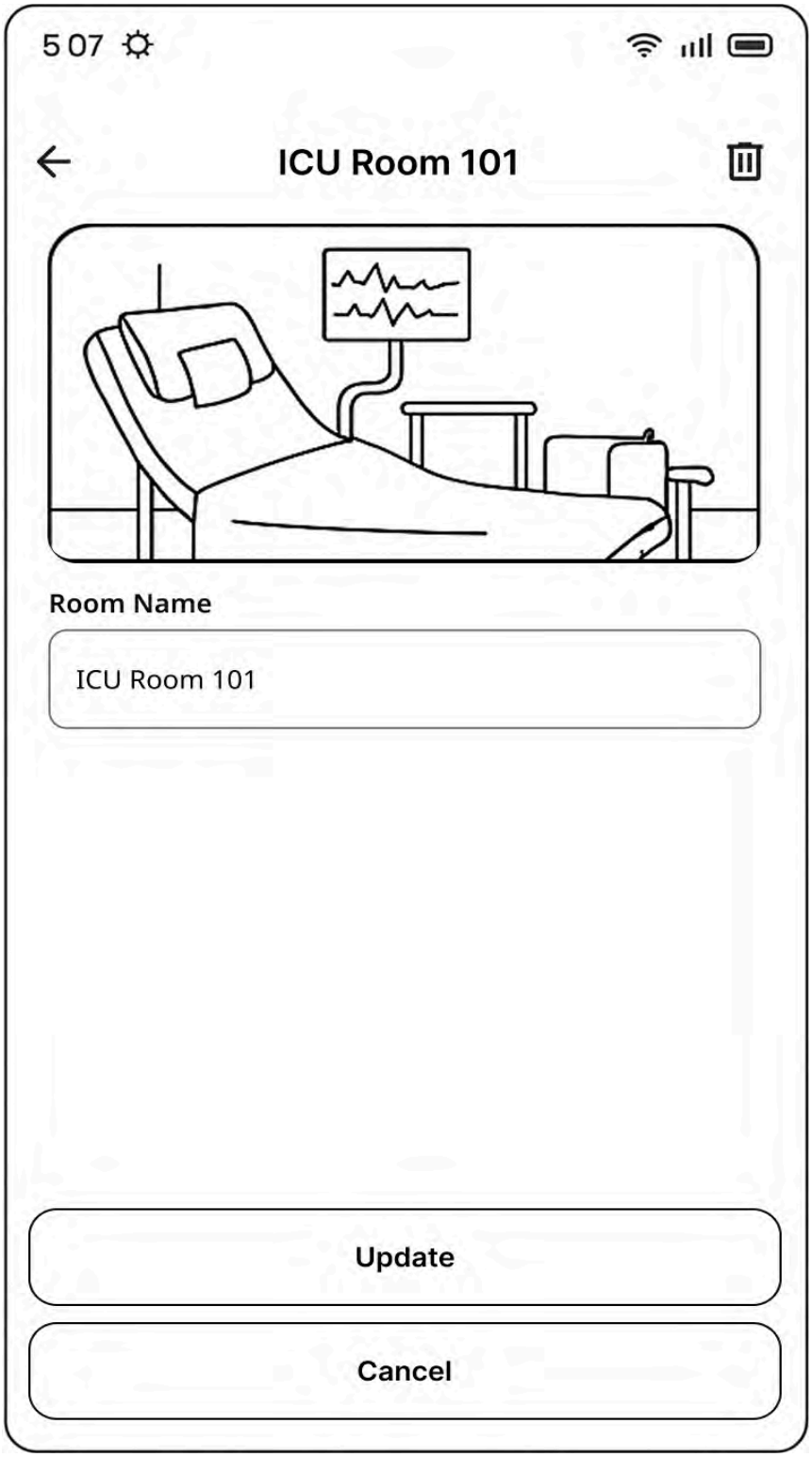

Figure 21. Edit Room Screen

FAQs / Troubleshooting

How do I connect my Beacon to the app?

- Ensure your Beacon is plugged in and powered on
- Open the Beacon app
- Tap '+' sign on the device dashboard
- Follow the in-app instructions to connect via WiFi
- Once connected, your Beacon will appear on your dashboard

How do I control my Beacon?

You can control your Beacon device through the app in several ways:

- Power On/Off: Use the main power toggle on the device page
- Schedule: Set up automatic running times in the Schedule tab
- Device Mode: Select Device Mode based on your needs
- Manual Mode: Will operate only by utilizing the on/off button
- Smart Mode: Operates based on all required regulatory tolerance limits
- Unlimited Mode: Unlimited use that won't turn off if people/pets enter the room

How do I set up cleaning schedules?

To set up a cleaning schedule:

- Select your Beacon device
- Tap '+' to add a new schedule
- Set your preferred days and times
- Save your schedule

What if my Beacon won't connect?

1. Ensure your phone's WiFi is on
2. Check that your Beacon is powered on
3. Verify you're connected to a 2.4GHz network
4. Try moving closer to the device
5. Restart both your phone and Beacon

6. Try the Wifi Reset feature in the Beacon device page

If problems persist, contact support at help@beaconlight.co

What if my device already exists in another account?

- The previous owner needs to remove the device from their account first
- Go to their Beacon app → Device Settings → Remove Device
- Once removed, you can add the device to your account
- If you can't contact the previous owner, please contact support with your device serial number for assistance.

How do I deactivate my account?

- Go to Settings → Profile
- Select 'Deactivate Account'
- Follow the confirmation steps

Note: *This action cannot be undone and will remove all your devices and data.*

I forgot my password, what should I do?

- Tap *'Forgot Password'* on the login screen
- Enter your email address
- Copy and paste the verification code sent to your email into the input field

If you don't receive the email, check your spam folder or contact support.

What information should I provide when contacting support?

To help us assist you faster, please provide:

- Device serial number
- Your phone model and OS version
- Detailed description of the issue
- Any error messages you're seeing
- Recent changes or actions taken

Screenshots or videos of the issue are always helpful!

Contact Support

📧 Email Support

Our primary support channel is email. Reach out to us at:

help@beaconlight.co

When Contacting Support

Please include the following information in your email:

- Device Serial Number
- App Version
- Phone Model & OS Version
- Brief Description of Issue
- Steps to Reproduce (if applicable)
- Screenshots (if relevant)

Common Support Topics

1. Device Connection Issues
    - WiFi connectivity problems
    - Bluetooth pairing issues
    - Device not appearing in app
    - Connection timeouts

2. Account Management
    - Account creation
    - Password reset

- Profile updates
- Device registration

3. App Functionality
    - Schedule creation/editing
    - Device settings
    - Software updates

4. Hardware Support
    - Device setup
    - LED indicators
    - Power issues
    - Physical maintenance

FCC Caution.

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.

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

Note: 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.