User Manual

Gen 2 Smart Controller (SKU: BB02-WC)

Manufacturer and Contact Information

Manufacturer: Breezy Med

Address: 317 Commercial St NE, Suite 102
            Albuquerque, NM 87102

For product information, sales, service, and technical support:

https://breezymed.com/
Customer Support Phone: (833) 273-3991
Email: info@breezymed.com

This manual covers the model: Gen 2 Smart Controller (BB02-WC)

SPECIFICATIONS:

Dimensions: 176.8 × 84.9 × 15 mm (6.96 x 3.34 x 0.59 inches)

Weight: 324 g (0.717 pounds)

USB: Type C

Wi-Fi: WLAN 802.11 a/b/g/n/ac 2.4GHz/5GHz

Bluetooth: Bluetooth 5.2
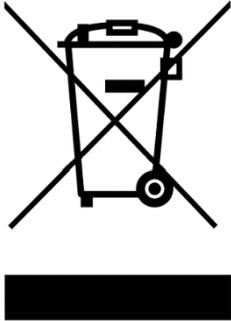
Splash, Water & Dust Resistant

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Environmental Considerations

This section provides information about the environmental impact of the product.

Product End-of-Life Handling

Observe the following guidelines when recycling an instrument or component:

Equipment recycling. Production of this device required the extraction and use of natural resources. The device may contain substances that could be harmful to the environment or human health if improperly handled at the product's end of life. To avoid the release of such substances into the environment and to reduce the use of natural resources, we encourage you to recycle this product in an appropriate system that will ensure that most of the materials are reused or recycled appropriately. It is recommended that this device be taken to a certified Waste Electronic and Electrical Equipment recycler.

Do not throw in trash at end of product life.

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Contents

BB02-WC Breezy Smart Controller Setup

It is recommended that you charge the controller fully before use.

Controller navigation overview
Basic controls are the same as an Android phone.

Overview of Breezy Smart Controller device.

1. Power Key – press *power key* & *Volume +* to restart controller
2. USB Connector – Plug in cable and power supply to charge device.
3. Gesture Navigation Bar – Used to navigate to home screen.
4. Volume -
5. Volume +

Powering on controller

1. Power on the controller by pressing and holding the power key for 5 seconds until the controller vibrates and the screen turns on.

General Controller Configuration
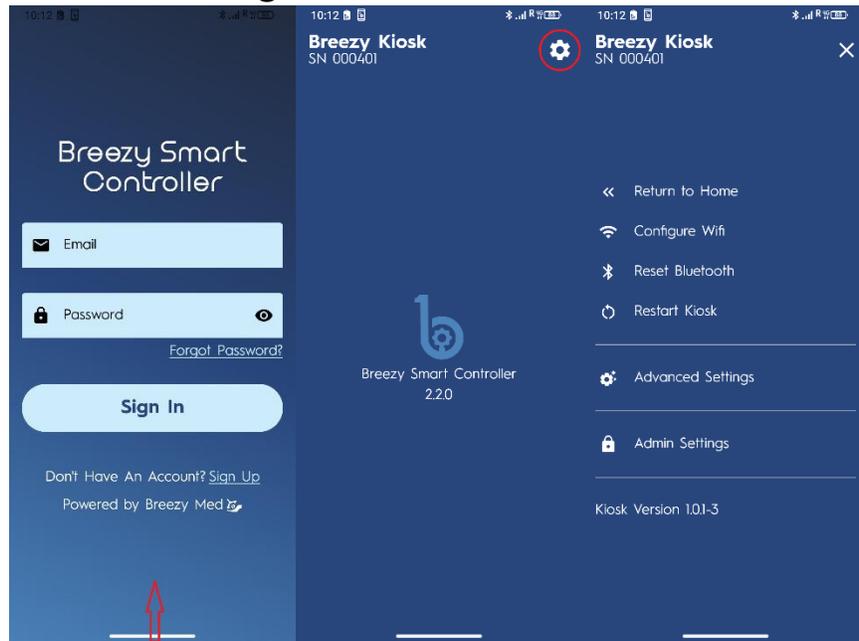
1. The controller will auto-launch to the login screen. Swipe up from the bottom of the screen to display the Breezy Kiosk screen.
2. To Configure the general settings on the controller (Wifi, Bluetooth, etc), press the gear logo on the Kisok screen
3. Press *Configure Wifi* to connect to a Wifi network – only necessary if cellular connectivity is poor.
4. Press *Reset Bluetooth* to stop and restart the Bluetooth services – only necessary if the controller can't connect to a Breezy device
5. Press *Return to* Home to return to the main Breezy Kiosk screen. The login screen will auto launch after 10 seconds.

Breezy Smart Controller App

Log-in
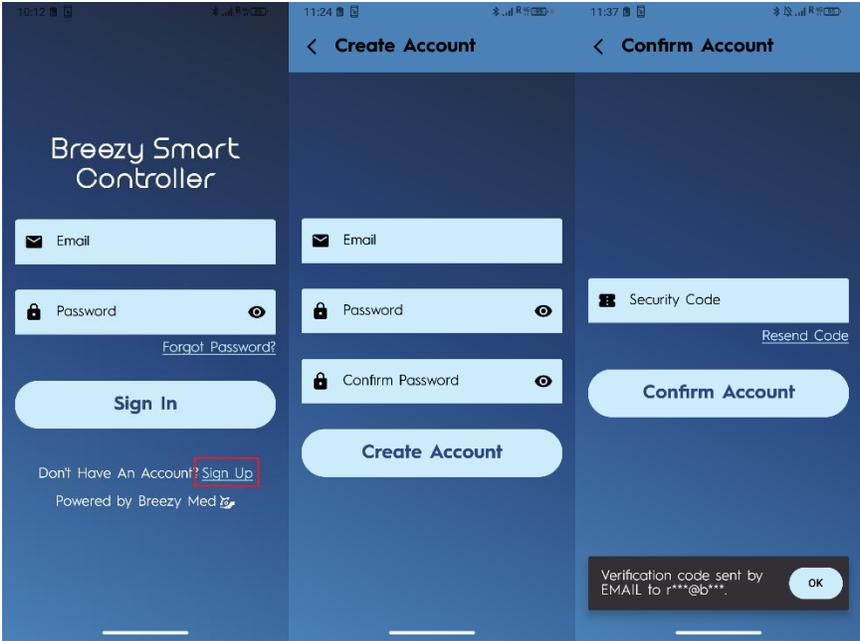
1. Tap the *Breezy Smart Controller* button on the Breezy Kiosk screen if the log-in page doesn't auto launch
2. Sign up for a new Breezy Med account or Sign In to an existing account. If *Sign Up* is selected, an email and a password will be required. One-time email verification will be required for the first sign in.
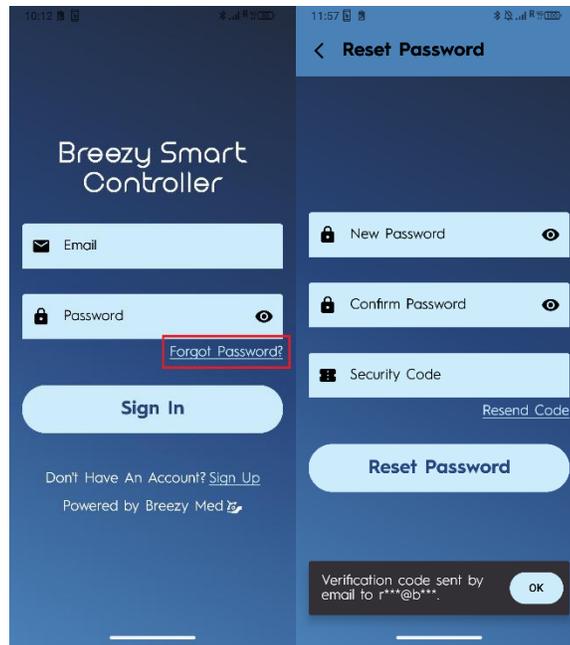
3. If an account already exists and the password needs to be reset, click enter user's email and tap *Forgot Password?*
4. A new password can be entered. A Security code will be sent to the user's email and will be required to reset the password
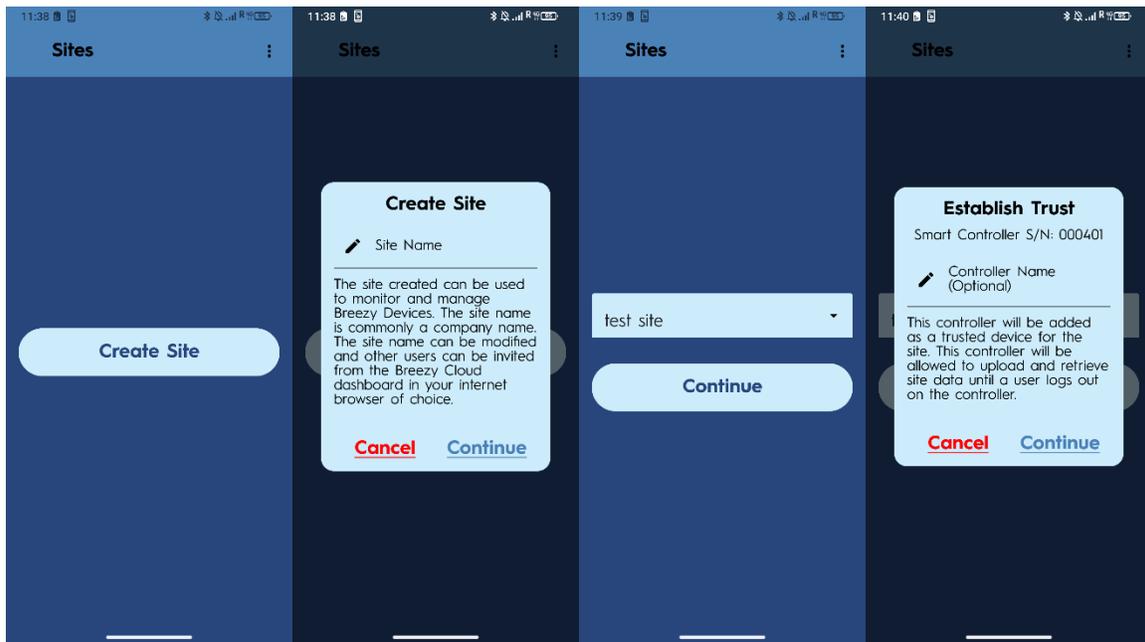
5. Once a new account has been created, new users will be prompted to create a site for all local Breezy devices or join an existing site if invited from an existing site administrator (this can be done from a PC at Cloud.breezymed.com) If creating a new site, the site is commonly named after the company or building where the devices will be located.

6. Once the site is created and selected from the available drop-down menu, the user must add the controller to the site. Optionally enter a name for the controller (example: 2nd floor) then press continue.

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Models Screen Overview
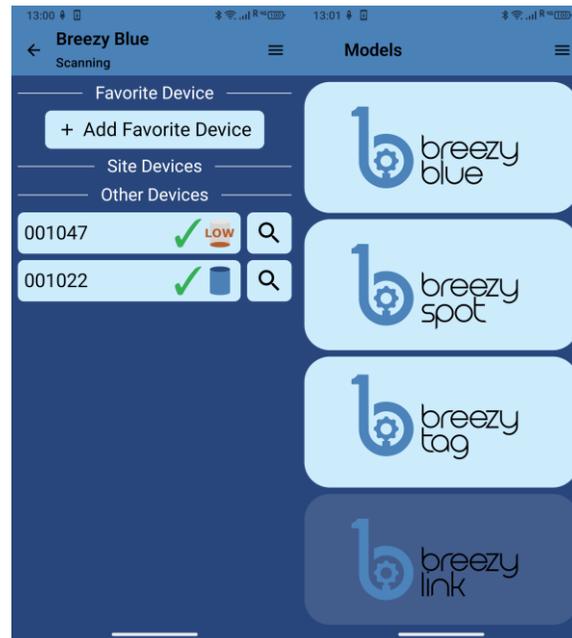
1. Once a user has logged in, the controller will display the Breezy Blue Scanning screen. Press the ← icon to navigate to the Devices screen.
2. Press the *breezy blue, breezy spot, breezy tag, or breezy link* buttons to configure and control the respective devices.

Breezy Blue

Breezy Blue devices are shown under Site Devices or Other Devices. When a device has been connected to, it is moved to Site Devices. One device can also be added as a Favorite Device by pressing the + *Add Favorite Device* button. The favorite device will always be shown at the top of the screen. Devices can be removed from the Site devices list on the Breezy Cloud dashboard located at Cloud.breezymed.com

1. Menu button – Site and app information is available here. Bluetooth Connections can be refreshed by pressing the *Repair Connections* button.
2. Identify – Used to identify the device. Pressing this button will flash the Breezy Blue ring light Blue/Yellow for 5 seconds to Identify the device.
3. Breezy Blue status – The current device status and tank level.

Menu Page Overview
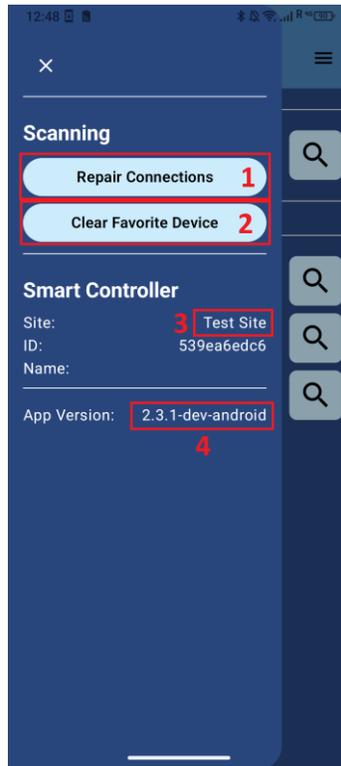
1. Repair Connections button – Clears Breezy Blue Bluetooth bonds. This is useful if a Breezy Blue from the scanning list will not connect properly.
2. Clear Favorite Device button – Clears device from the Favorite Device on the scanning screen.
3. Site information – The site the controller is currently associated with.
4. App Version – The version of the currently installed app.

Connecting to a device
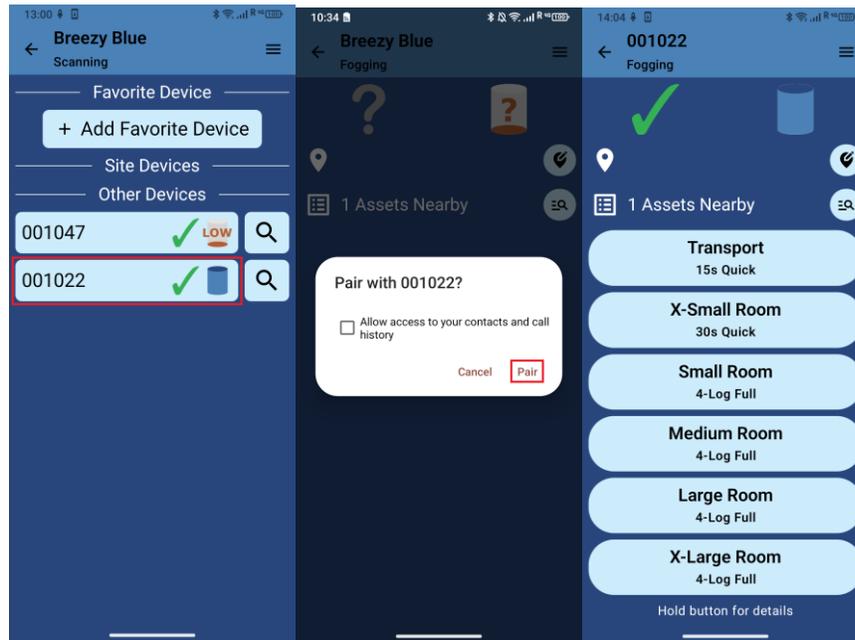
1. All the available devices are shown as a list on the scanning screen.
2. Select a device to connect to. For example, "001022".
3. If the device hasn't been connected to previously, leave *Allow access to your contact and call history* unchecked and press *Pair* in the pop-up window.
4. Once paired, the Fogging page will load.

Adding a Favorite
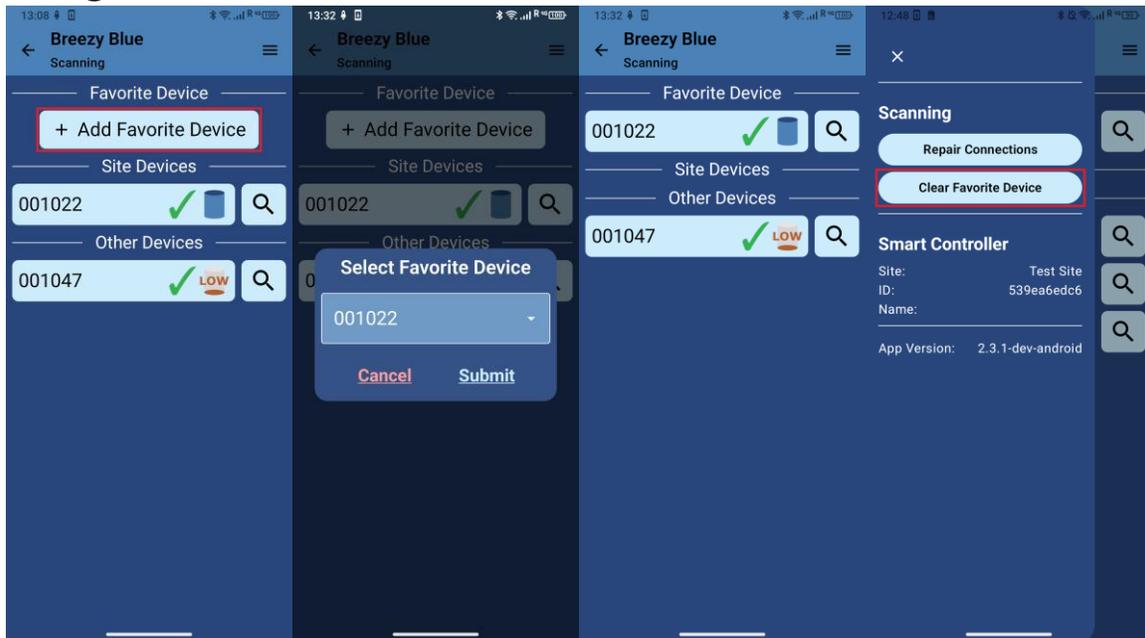
1. Once Connected to, the device will be shown as a site device on the scanning screen
2. On the scanning screen, press the + *Add Favorite Device* button
3. Select favorite device from drop down list and press *Submit*
4. Favorite device will now be shown at the top of the screen.
5. A new favorite can be selected by pressing the menu icon on the scanning screen, then pressing the *Clear Favorite Device* button. A new favorite device can then be selected on the scanning screen

Fogging Page

1. Breezy Blue Name – The default name is configured as the Breezy Blue's serial number shown on the bottom label of the device. This can be renamed.
2. Menu Button – Opens the device menu with the options to edit name of Breezy Blue device, change Smart Controller button fogging protocols, enable and configure fogging schedules, enable and configure Breezy Blue push button fogging.
3. Tank level – Shown in six increments (empty, 20%, 40%, 60%, 80%, and full). A red tank indicator is displayed when nearly empty. See the Breezy Blue User Manual for instructions on refiling the tank with a Breezy Med approved solution.
4. Breezy Controller status Icon – This is associated with the status of the device. See the explanation of icons in Table 1.
5. Location – Shows nearest location based on installed Breezy Spots.
6. Assets – Shows number of tracked assets nearby based on Breezy tags.
7. Fogging buttons – Used to initiate a fog event for preset room sizes and disinfection levels. Hold the button for fogging details.

Edit Breezy Blue Name

Breezy Blue name can be updated to reflect its location. Example: Class 202, Firehouse 12, Casino 1st floor
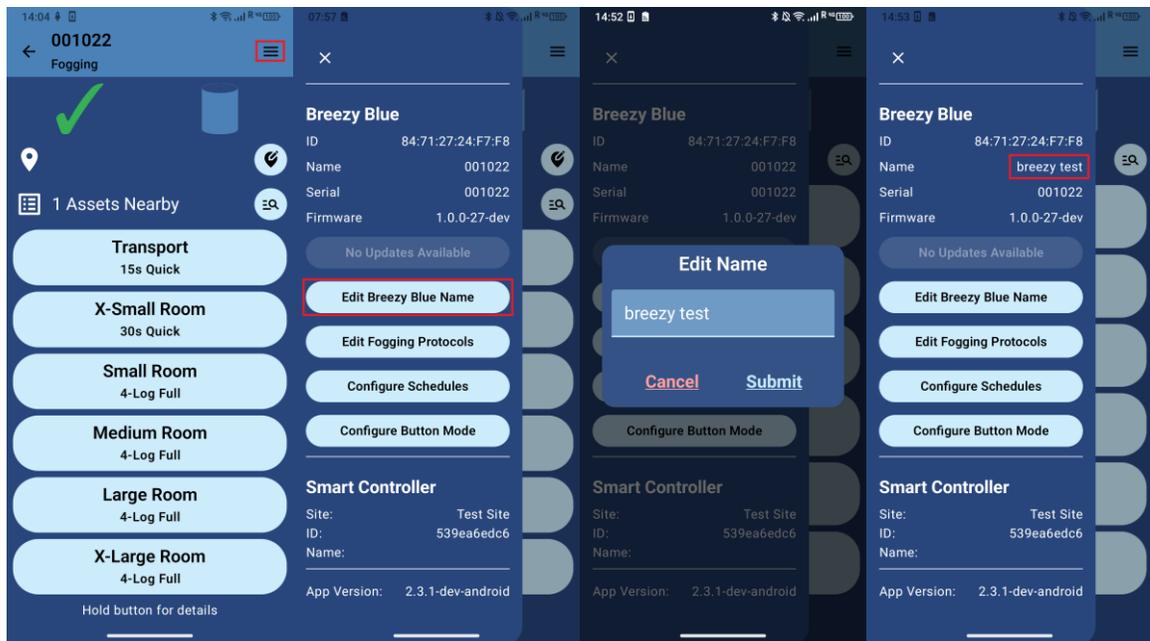
1. Press *Edit Breezy Blue Name* after selecting the menu button.
2. Type a new name in the text field.
3. Press the *Submit* button.
4. The new name will be shown as the device name – the new name will persist even when the device is not connected to the controller.

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Edit Fogging Protocols

Breezy Smart Controller is pre-configured with six common fogging protocols. The protocols can be user-configured for other use cases.
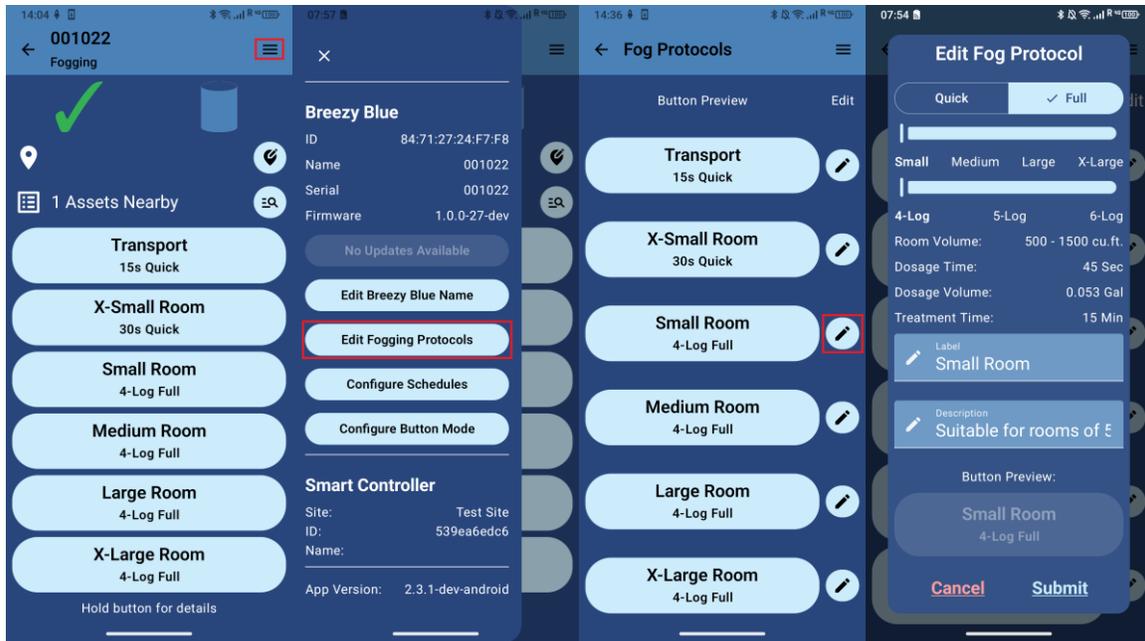
1. Press *Edit Fogging Protocols* after selecting the menu button.
2. Press the pencil icon next to the protocol to be updated.
3. Configure the fog protocol and press Submit.
   a. Full mode: Recommended for the best disinfection coverage to all areas of the room with no wetting of surfaces. Choose appropriate room size and required disinfection level.
   b. Quick mode: Legacy mode that works best for small spaces such as vehicles and extra small rooms. Set dosage in seconds of fog time based on the guidance at FAQ - Breezy Med
4. The changes will be shown on the fogging screen.

Configure Schedules

Up to ten schedules can be defined for Breezy Blue to automatically fog.
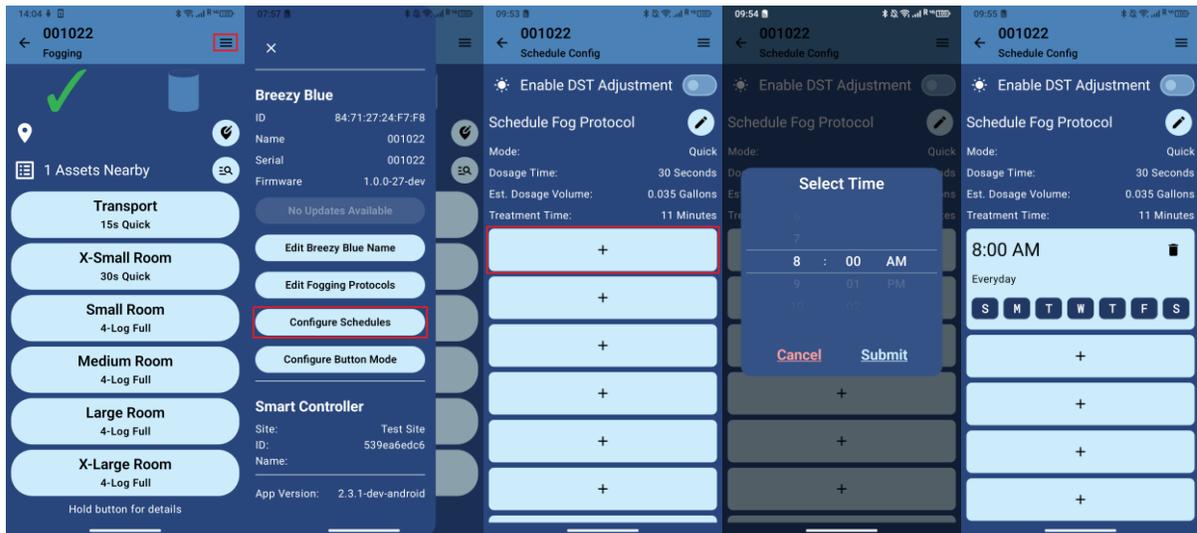
1. Press _Configure Schedules_ after selecting the menu button.
2. Press the "+" button to add a schedule.
3. Select the desired time of the day and press _Submit_.
4. By default, all days of the week are selected for fogging. If needed, tap the days of the week that should be skipped. They will turn light blue and the description will be updated to show what days of the week fogging will occur.
5. Repeat steps 1 to 4 to add additional scheduled fog times.

CONFIGURE SCHEDULED FOGGING PROTOCOL

The scheduled fogging protocol can be updated to account for room size or disinfection level. The default scheduled fogging protocol is a 30 second quick fog. Changes to the protocol are stored on the Breezy Blue device.

1. Press *Configure Schedules* after selecting the menu button.
2. On the Schedule Config screen, press the pencil icon.
3. Configure the fog protocol and press Submit.
   a. Full mode: Recommended for the best disinfection coverage to all areas of the room with no wetting of surfaces. Choose appropriate room size and required disinfection level.
   b. Quick mode: Legacy mode that works best for small spaces such as vehicles and extra small rooms. Set dosage in seconds of fog time based on the guidance at FAQ - Breezy Med
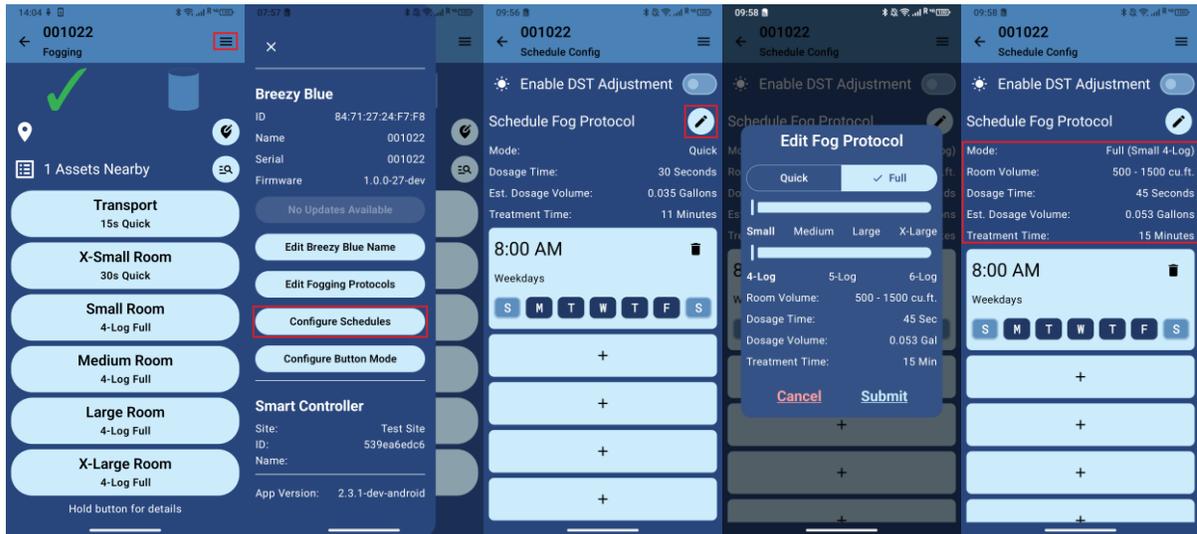4. The changes will be shown on the Schedule Config screen.

DELETE SCHEDULE

Schedules can be removed from the Breezy Blue device by deleting them on the Smart Controller.
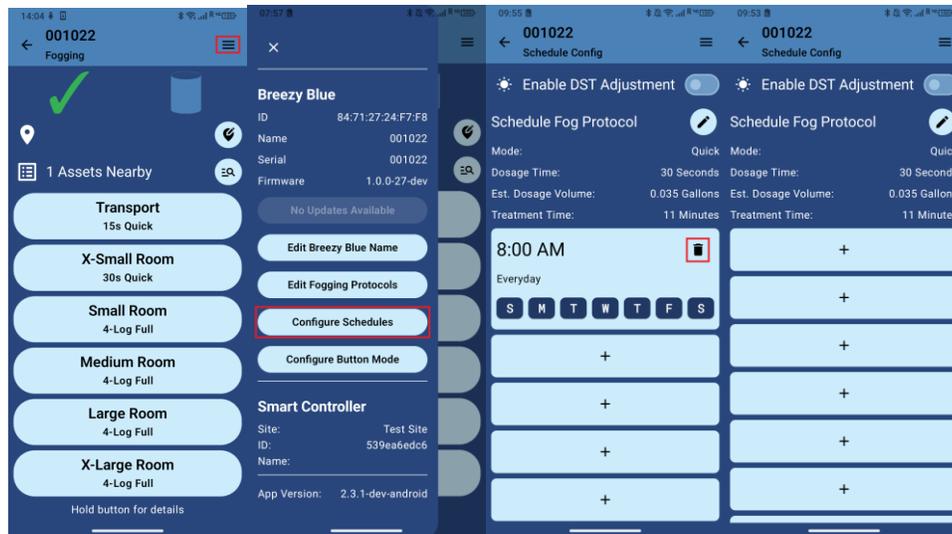
1. Press *Configure Schedules* after selecting the menu button.
2. On the Schedule Config screen, press the delete icon for the schedule to be removed.
3. The schedule will be deleted.

Configure Button Mode
ENABLE BUTTON MODE

Button mode can be used to initiate a fog event using the button on top of the Breezy Blue device. This is useful if the controller is not available. Button mode is OFF by default.
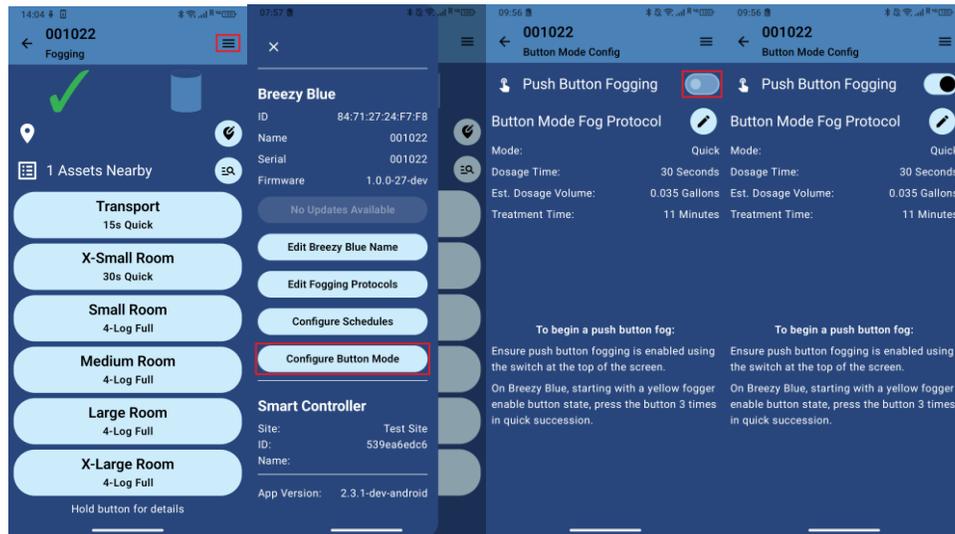
1. Press *Configure Button Mode* after selecting the menu button.
2. Tap the Push Button Fogging toggle to enable it.
3. To initiate a fog event using the Breezy Blue Button: Starting from a yellow button, press the button three times in quick succession.

CONFIGURE PUSH BUTTON FOGGING PROTOCOL

The push button fogging protocol can be updated to account for room size or disinfection level. The default push button fogging protocol is a 30 second quick fog. Changes to the protocol are stored on the Breezy Blue device.
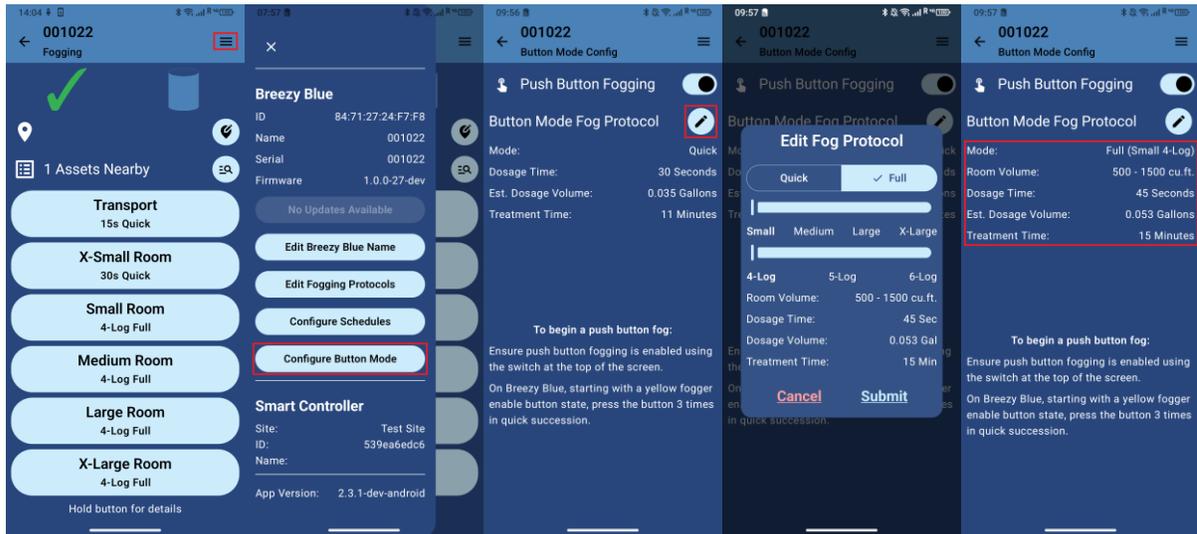
1. Press *Configure Button Mode* after selecting the menu button.
2. On the Push Button Config screen, press the pencil icon.
3. Configure the fog protocol and press Submit.
   a. Full mode: Recommended for the best disinfection coverage to all areas of the room with no wetting of surfaces. Choose appropriate room size and required disinfection level.
   b. Quick mode: Legacy mode that works best for small spaces such as vehicles and extra small rooms. Set dosage in seconds of fog time based on the guidance at FAQ - Breezy Med
4. The changes will be shown on the Push Button Config screen.

Smart Controller Fogging Operation
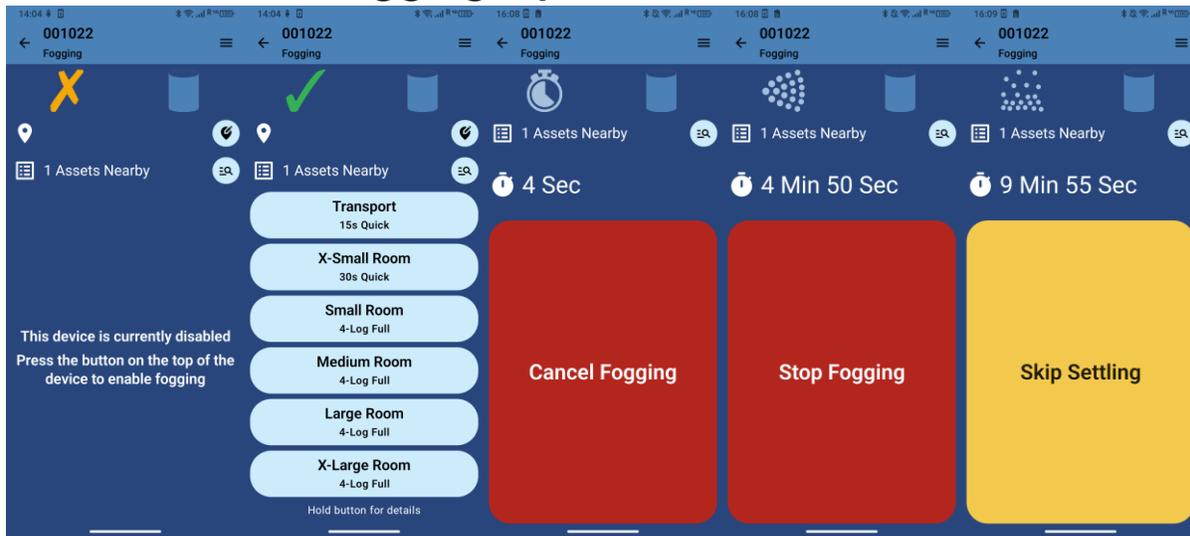
1. If the fogging screen shows a ✗, press the push button on the Breezy Blue device.
2. Tap the desired room size button.
3. A countdown of 7 seconds to fogging will initiate. The Breezy Blue waistband light will flash red, and there will be an audible warning to leave the area. Press the *Cancel Fogging* button on the controller or the push button on the Breezy Blue device to cancel the fogging event.
4. When the countdown ends, fogging will begin. The Breezy Blue waistband will turn solid red. Press the *Stop Fogging* button on the controller or the push button on the Breezy Blue to cancel the fogging event.
5. After fogging, the Breezy Blue device will enter a 10-minute fog settling time indicated by a flashing yellow waistband. Press *Skip Settling* to return Breezy Blue to ready to fog state if necessary.
6. When settling is completed, the Breezy Blue waistband will return to blue, and the controller will display the six room size buttons. At this time, the area can be opened for ventilation to prepare for re-entry.

Removing a Smart Controller from a Site

1. Using a PC, log onto the site at Cloud.breezymed.com using the username and password that was used to create the site on the Smart Controller or the credentials of another administrator on the site.
2. Navigate to Devices on the left panel.
3. Select *Smart Controller* from the ribbon of devices.
4. Press the ⊖ icon on the row of the controller to be removed. The Controller will be logged out from the site and removed from the site devices list.

Viewing Fogging Logs

Fogging logs from all the Breezy Blue devices on the site can be viewed at Cloud.breezymed.com

Basic or Advanced Breezy Cloud Tier is required to view and download fogging logs. More information can be found at Breezy Cloud - Breezy Med

Note: Fogging logs are only available up to the time of the last instance the controller opened the Fogging screen for each Breezy Blue Device.

States and Status indicators for Breezy Blue

Table 1: Device status icons

Status	Waistband light	Button light	Audio	Status Icon	Breezy Controller Icon
Not currently seen by controller, but previously seen by controller	Any option below	Any Option below			**?**
Idle + Enabled	Blue	Off		Ready to Fog	✓
Idle + Disabled	Yellow	Yellow		Disabled	✗
Fogging Countdown	Red, blinking	Red, blinking	[Beep] "Alert, disinfectant fogging will begin soon. Please leave the area or press the disable button."	Countdown	⏱
Fogging	Red	Red		Fogging	
Fog Settling	Yellow, blinking	Off		Settling	
Firmware updating	White, then magenta	Off		Progress bar	
Error	Magenta, blinking	Off		Error	⚠

Breezy Link

Breezy Link Assistant offers Wi-Fi configuration for Breezy Link devices using a Bluetooth connection from the Smart Controller.
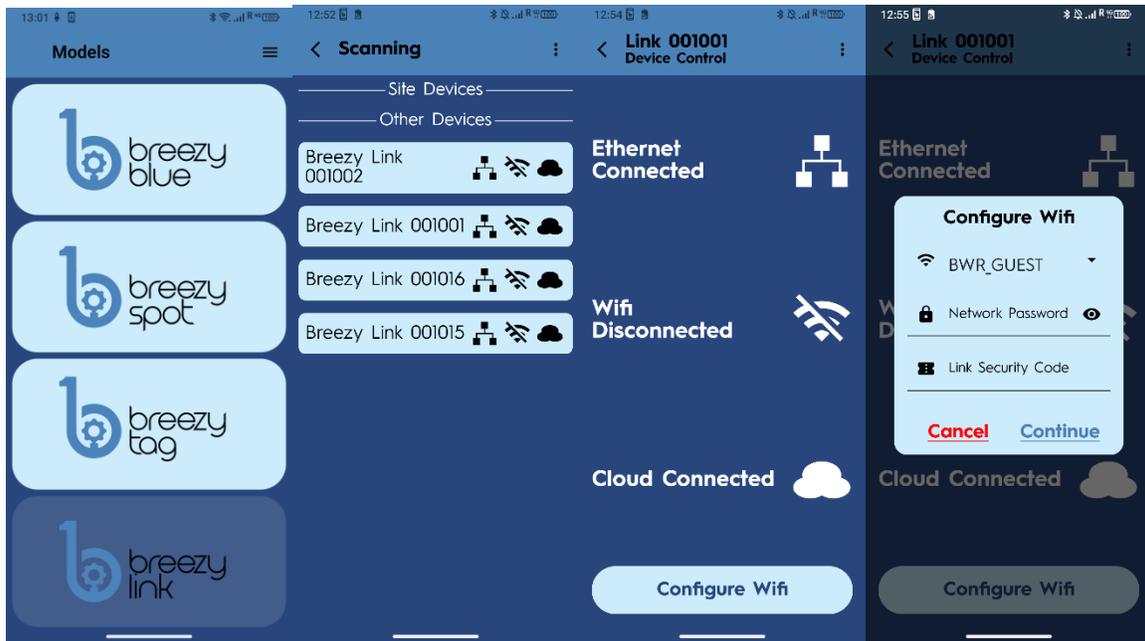
1. Tap the Breezy Link button on the Models screen.
2. A list of Breezy Link devices that can be configured will be displayed. Selecting one of the Link devices will open a notification requesting to pair to the device.
3. Once paired to the Breezy Link device a control page will be available. This page allows for Wi-Fi configuration of the Breezy Link to a network or disconnecting from the current Wi-Fi network.
4. When connecting to a Wi-Fi network, the network password and the security code printed on the Breezy Link label will need to be entered into the appropriate text fields.

Breezy Spot

Breezy Spot Assistant allows Breezy Spot devices to be added to the site and configured.
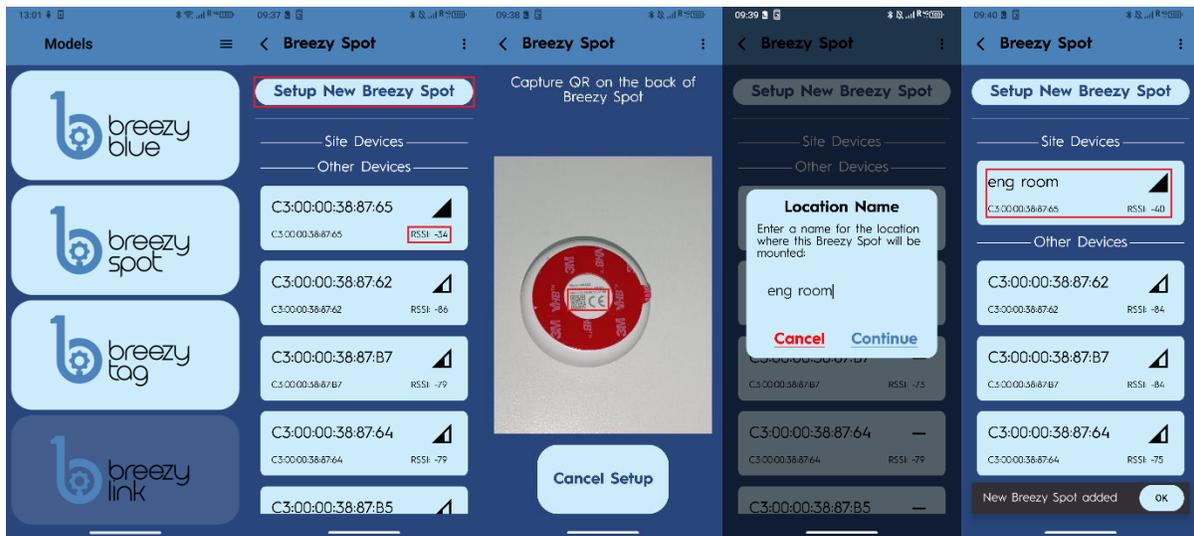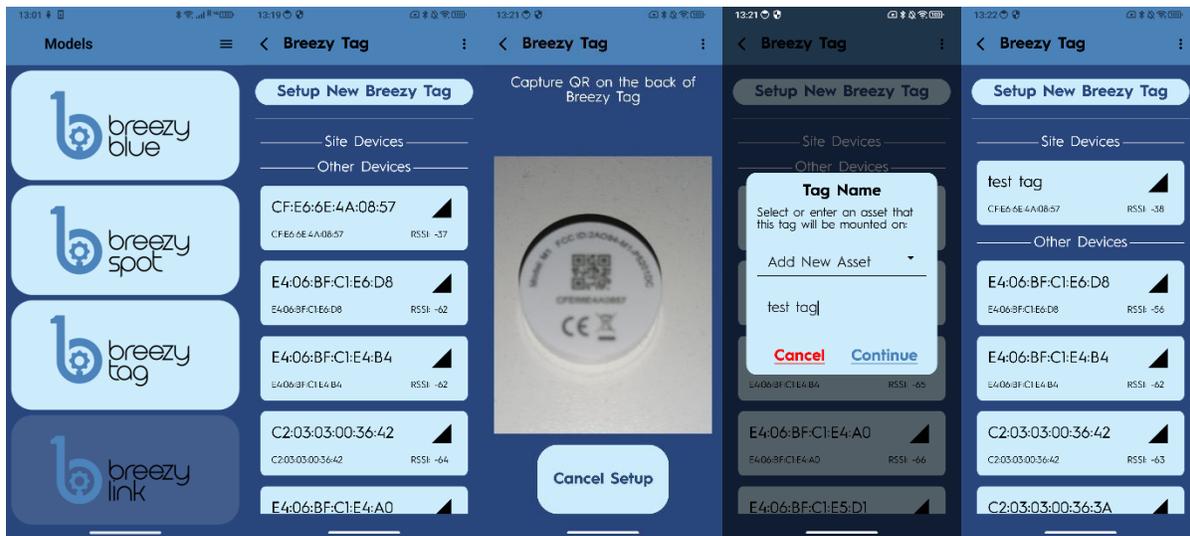

1. Tap the Breezy Spot button on the Models screen.
2. When the controller is stationary, the list will be populated with Breezy Spot devices within Bluetooth range. If the controller is in contact with a Breezy Spot, that Breezy Spot will report a strong RSSI value (generally -30 to -55).
3. Tap the *Setup New Breezy Spot* button.
4. Using the camera on the rear of the controller, move the QR code on the bottom of the Breezy Spot into the image shown on the screen. When the QR code has been read, the camera will close. Move the controller closer and further from the QR code if you have issues reading the QR code.
5. Enter a name for the location (example: *Floor 2 room 100*) and press continue.
6. The Breezy Spot device will be shown in the Site devices and named with the location name,
7. Location names and Breezy spots associated with a location can be updated at Cloud.breezymed.com

Breezy Tag

Breezy Tag Assistant allows Breezy Tag devices to be added to the site and configured.

1. Tap the Breezy Tag button on the Models screen.
2. When the controller is stationary, the list will be populated with Breezy Tag devices within Bluetooth range. If the controller is in contact with a Breezy Tag, that Breezy Tag will report a strong RSSI value (generally -30 to -55).
3. Tap the *Setup New Breezy Tag* button.
4. Using the camera on the rear of the controller, move the QR code on the bottom of the Breezy Tag into the image shown on the screen. When the QR code has been read, the camera will close. Move the controller closer and further from the QR code if you have issues reading the QR code.
5. Select an asset name from the dropdown list (asset list can be populated on Breezy Cloud dashboard) or enter a name for the asset (example: *Wheelchair 10*) and press continue.
6. The Breezy Tag device will be shown in the Site devices and named with the asset name,
7. Asset names and Breezy Tags associated with an asset can be updated at Cloud.breezymed.com

Fogging with location services

If a site includes Breezy Spots and Breezy Tags the Breezy Blue fogging screen provides information on location and assets in the area.
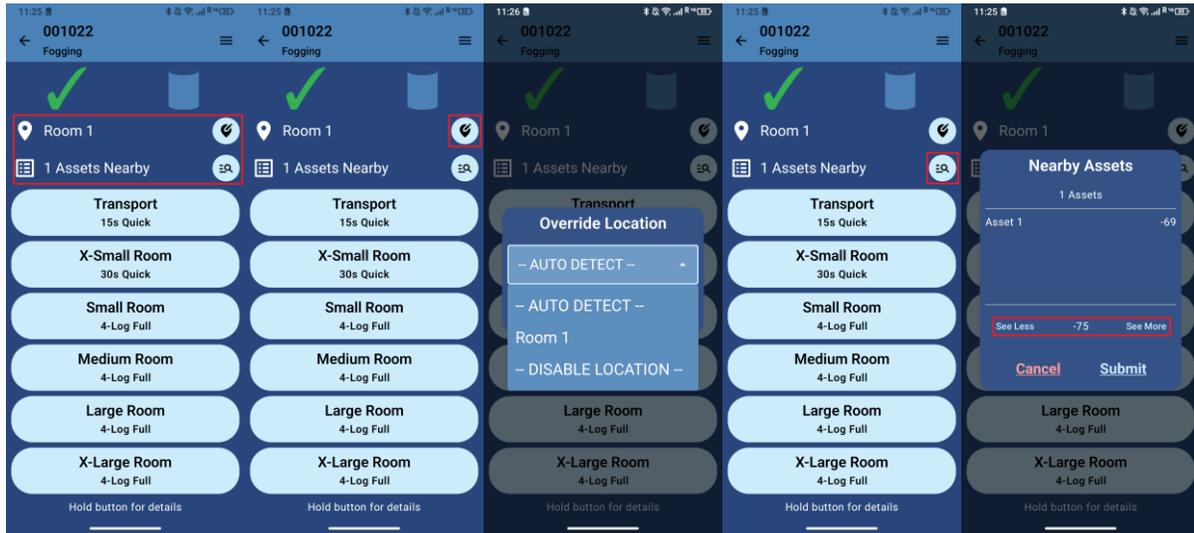
Note: Breezy location services will only log location data if the Smart Controller is on Breezy Buggy with Breezy Blue or in Breezy Holster with Breezy Blue.

1. The nearest location is shown based on the strongest signal from the Breezy Spots in the area.
2. If the location shown is incorrect, press the location icon on the right of the screen and either select the correct location from the list or press *DISABLE LOCATION* then press *Submit*
3. The number of assets nearby is shown based on the number of Breezy Tag devices seen by the controller with a signal stronger than the threshold for that location.
4. Pressing the magnifier icon on the right of the screen displays the detailed list of assets seen and their respective signal strengths.
5. To show more assets (for instance in a larger room), Press *See more* to adjust the Asset Sensitivity to a value such as -85, then

press *Submit*. The updated Asset Sensitivity threshold will persist for that location.

6. Details about the location and assets disinfected can be found on Cloud.breezymed.com. Advanced Breezy Cloud Tier is required.

Troubleshooting

PROBLEM	POSSIBLE CAUSES	SOLUTION
Controller will not properly control a Breezy Blue device	Bluetooth pairing is not valid	Press *Reset Bluetooth* from Kiosk settings screen
Controller shows "?" next to each Breezy Blue on list, or will not connect to a Breezy device	Controller display is not properly refreshing	Press the *Repair Connections* button in the breezy blue menu, or press the *Reset Bluetooth* button in the Kiosk settings screen
Controller will not update the kiosk or Breezy app to a newer version	Poor data connection or Kiosk has become unresponsive	Move to a location with a good data connection, or press the *Restart Kiosk* in the Kiosk settings screen
controller shows Chinese characters on a black background	Controller was plugged into a charging cable while pressing the volume down key	Restart the controller by pressing the power (ON/OFF) key for at least 10 seconds until the screen goes black

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LIMITED WARRANTY (USA/CANADA)

Breezy Med warrants that this product will be free from defects in materials and workmanship for a period of one (1) year from the date of shipment. If any such product proves defective during this warranty period, Breezy Med, at its option, either will repair the defective product without charge for parts and labor, or will provide a replacement in exchange for the defective product. Parts, modules and replacement products used by Breezy Med for warranty work may be new or reconditioned to like new performance. All replaced parts, modules and products become the property of Breezy Med.

In order to obtain service under this warranty, Customer must notify Breezy Med of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. Customer shall be responsible for packaging and shipping the defective product to the service center designated by Breezy Med, with shipping charges prepaid. Breezy Med shall pay for the return of the product to Customer if the shipment is to a location within the country in which the Breezy Med service center is located. Customer shall be responsible for paying all shipping charges, duties, taxes, and any other charges for products returned to any other locations.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. Breezy Med shall not be obligated to furnish service under this warranty a) to repair damage resulting from attempts by personnel other than Breezy Med representatives to install, repair or service the product; b) to repair damage resulting from improper use or connection to incompatible equipment; c) to repair any damage or malfunction caused by the use of non-Breezy Med supplies; or d) to service a product that has been modified or integrated with other products.

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