

CURE PUCK



CURE **PUCK**

USER MANUAL

PN: 21-10258_REV05

TWISTERTECH.IO



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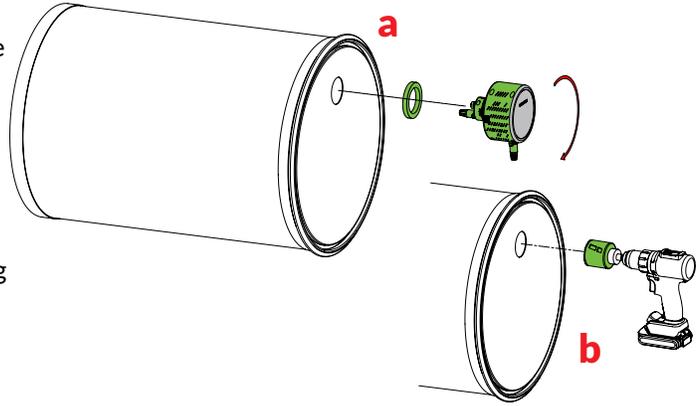
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INSTALLATION

BARREL

a. The threads on the Cure Puck match the threaded openings on many barrels. The Cure Puck can be threaded directly into the opening of these barrels.

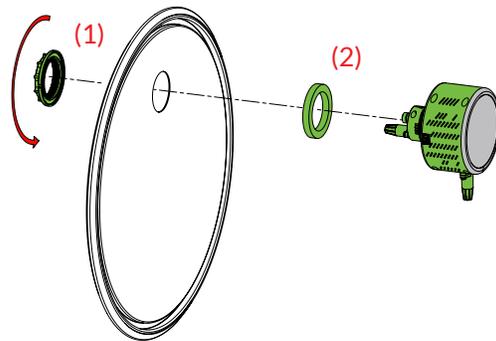
b. If you need to drill a hole in your drum, create a hole using a 2 3/8", 2 1/2", or 60mm hole saw. Check to make sure the Cure Puck will sit flush without the sensor probes hitting anything. We recommend a location as high as possible.



STEP 1

Remove the Threaded Nut (1) from the Cure Puck body leaving the Chamber Gasket, (2) on the Cure Puck.

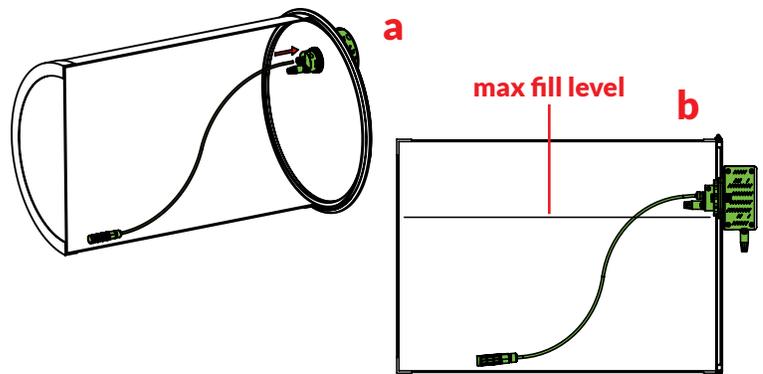
Insert the Cure Puck in the hole with the Chamber Gasket between the body of the Cure Puck and the barrel lid. Thread the nut finger tight with enough force to compress the gasket 3/16" (5mm).



STEP 2

a. Cut the tubing to length so that the diffuser lays as shown. Insert the Diffuser Assembly into the Cure Puck.

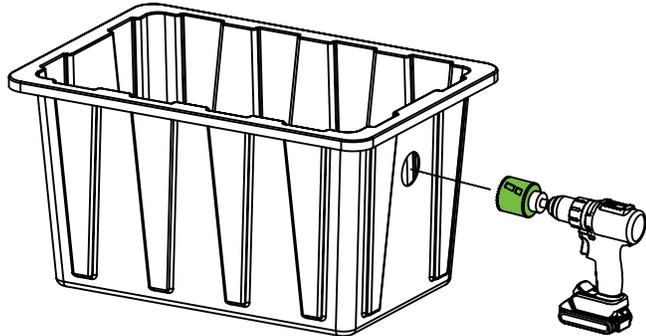
b. Ensure the fill level of the flower does not bury the sensor probe on the Cure Puck!



STEP 3

BIN

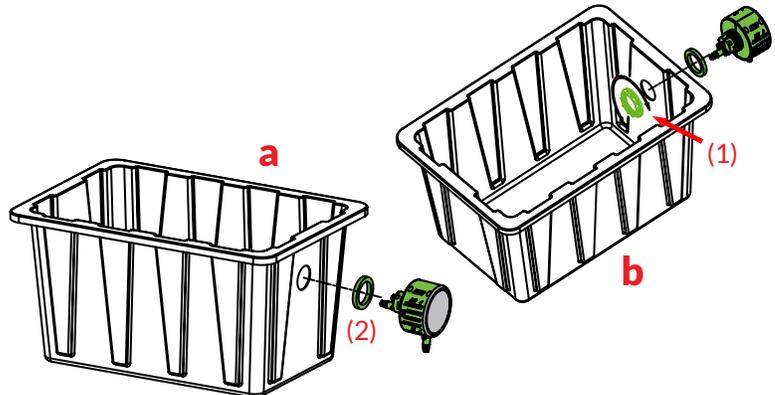
Create a hole using a 2 3/8", 2 1/2", or 60mm hole saw. Check to make sure the Cure Puck will sit flush without the sensor probes hitting anything. We recommend a location as high as possible.



STEP 1

a. Remove the Threaded Nut (1) from the Cure Puck body but leave the Chamber Gasket (2) on the Cure Puck.

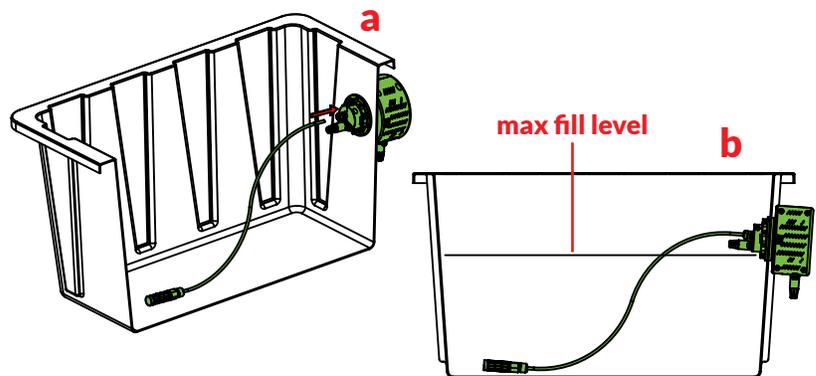
b. Insert the Cure Puck with the Chamber Gasket between the body of the Cure Puck and the bin. Thread the Nut finger tight with enough force to compress the gasket 3/16" (5mm).



STEP 2

a. Cut the tubing to length so that the diffuser lays as shown. Insert the Diffuser Assembly into the Cure Puck.

b. Ensure the fill level of the flower does not bury the sensor probe on the Cure Puck!

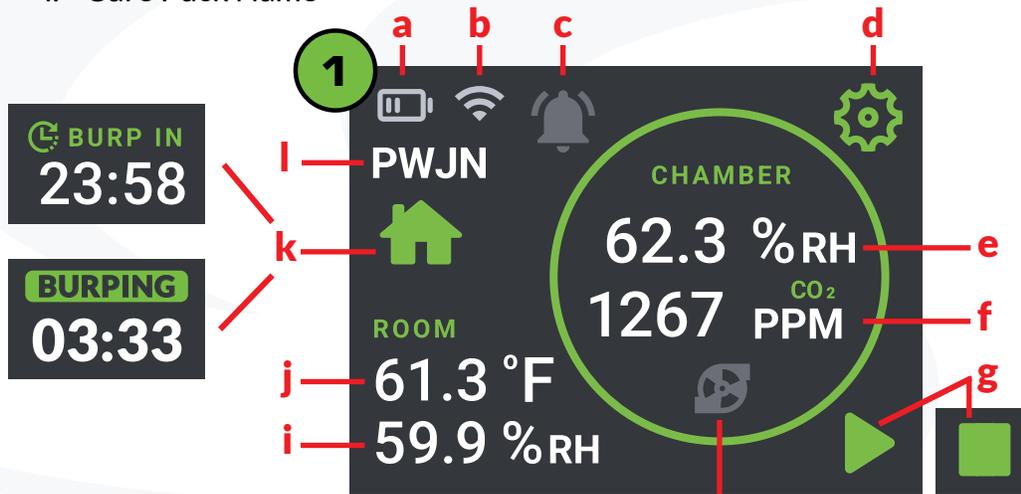


STEP 3

SCREEN ICONS

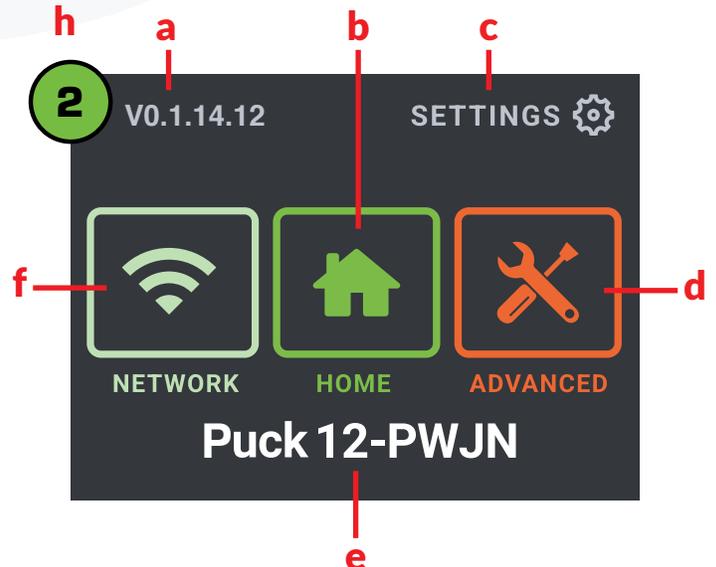
1. Home

- a. Battery- Displays one to four bars to indicate battery charge level
- b. Wi-Fi- Displays one to three bars to indicate signal strength when connected to internet
- c. Alert- Tap this icon to display alerts. Flashes RED when an alert is active
- d. Settings- Tap this icon for Settings
- e. Container %RH- Current Relative Humidity in the container
- f. Container CO₂- Current CO₂ level in the container in parts per million (PPM)
- g. Timer- Tap to Start or Stop the Air Exchange Frequency Timer
- h. Pump- Tap to Start or Stop a burp cycle
- i. Room RH%- Current Relative Humidity in the room
- j. Room Temperature- Current Room Temperature
- k. Status- Home Icon, Information, or Timers
- l. Cure Puck Name



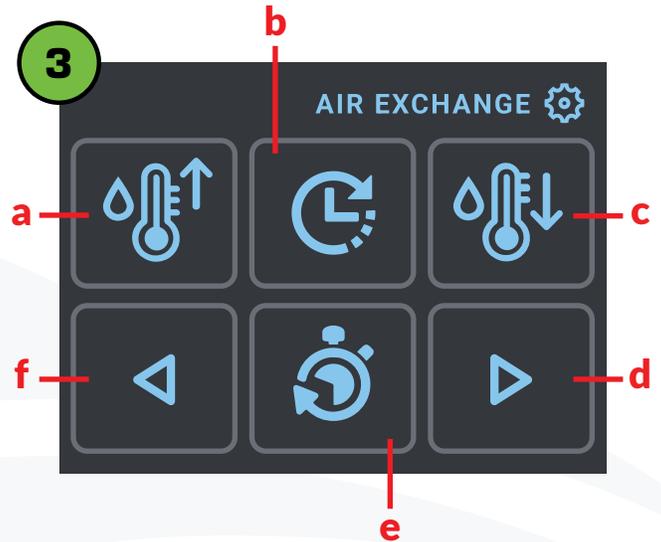
2. Settings

- a. Software Version
- b. Home- Return to Home Screen
- c. Page Name
- d. Advanced- More Settings
- e. Cure Puck Name
- f. Network- Connect to Network Settings



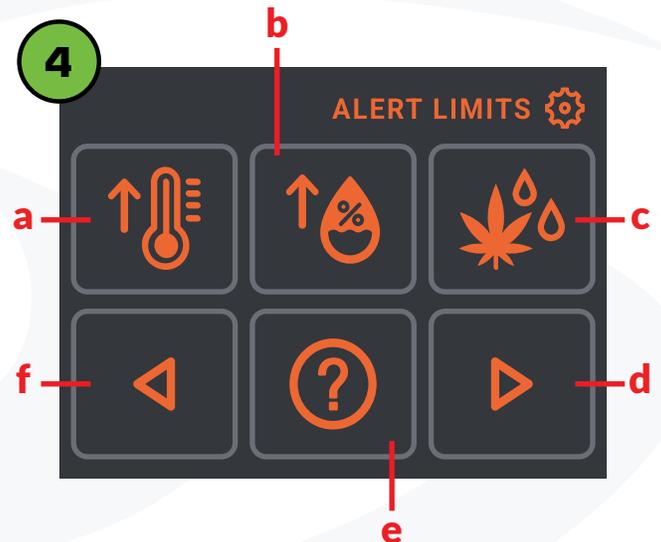
3. Settings > **Air Exchange**

- a. Air Exchange Start Limit- Tap to turn On/Off and set value
- b. Air Exchange Frequency- Tap to set value
- c. Air Exchange Stop Limit- Tap to turn On/Off and set value
- d. Next- Go to next settings page
- e. Air Exchange Duration- Tap to set value
- f. Back- Return to previous menu



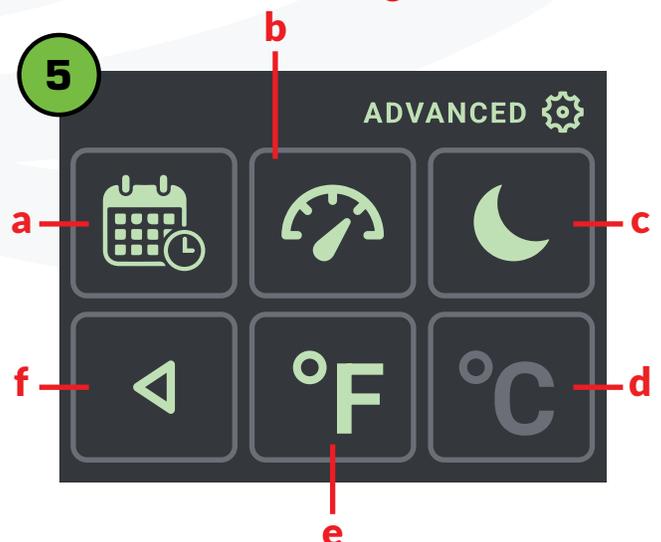
4. Settings > **Alert Limits**

- a. Room High Temp- Tap to turn On/Off and set value
- b. Room High Relative Humidity- Tap to turn On/Off and set value
- c. Container Relative Humidity (Flower Too Wet)- Tap to turn On/Off and set value
- d. Next- Go to next settings page
- e. Help- Tap to show QR link to web based help or reset to factory settings
- f. Back- Return to previous menu



5. Settings > **Advanced**

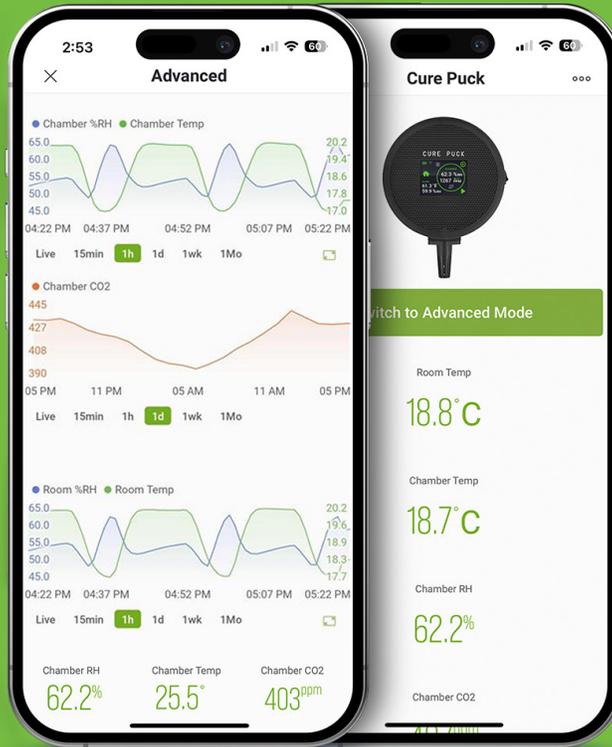
- a. Calendar- Tap to Display Date and Time
- b. Live Sensors- Tap to display all sensors in real time
- c. Sleep- Tap to display sleep settings
- d. °C- Tap to display temperatures in Celsius
- e. °F- Tap to display temperatures in Fahrenheit
- f. Back- Return to previous menu



INTERNET CONNECTION

CURE PUCK APP

See Android (pg 12) or iPhone (pg 17) Connection Manuals



AVAILABLE ON



A smart phone is needed only for setting network information and linking the Cure Puck to your Cure Puck account. The data from all your Cure Pucks can then be accessed through the Smart Phone App and Web Portal at <https://dashboard.curepuck.io/> using the same login.

QUICK START

The Cure Puck uses three main settings to control your cure.

1. Air Exchange Frequency - This is a timer, the Burp starts when the timer expires.
2. Air Exchange Start Limit - The Cure Puck monitors the Relative Humidity in the container and will start a Burp when the Relative Humidity of the container exceeds the programmed limit and the Air Exchange Start Limit is ON.
3. Air Exchange Duration - This is a timer that determines the duration of a burp cycle.

These three setting can be used independently or together.

Example program

Burp every 24 hours and if required, burp when the relative humidity in the container exceeds 64%.

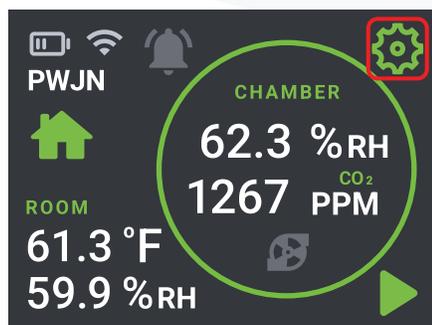
Set Air Exchange Frequency to 24 hrs.

Set Air Exchange Start Limit to ON and adjust the value to 64%.

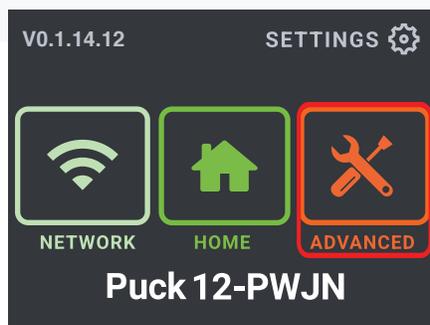
A burp activated by the Air Exchange Start Limit will not reset the Air Exchange Frequency timer.

You start the Air Exchange Frequency Timer at 10am, the Cure Puck will burp every 24 hours. If the humidity in your container gets higher than the Air Exchange Start Limit Set Point 64% at 2am then the Cure Puck will burp at 2am and again at 10am. The Cure Puck will continue to burp the container as scheduled every 24 hours at 10am.

Tap **Settings**



Tap **Advance**

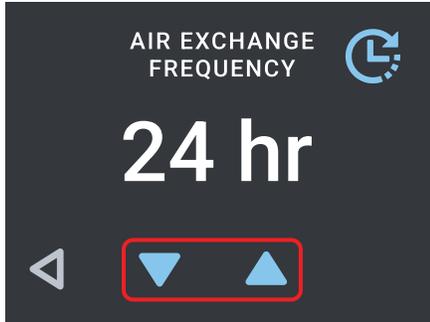


Tap **Air Exchange Frequency**

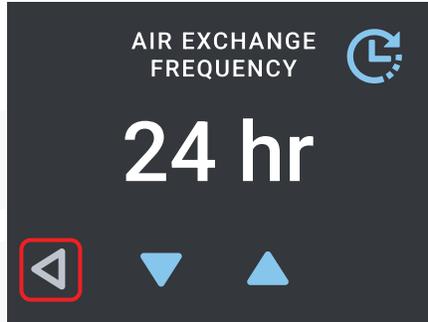


QUICK START GUIDE

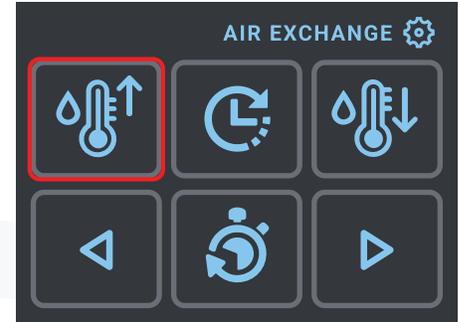
Adjust as required



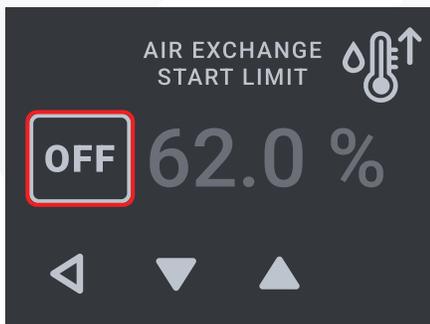
Tap **Back**



Tap **Air Exchange Start Limit**



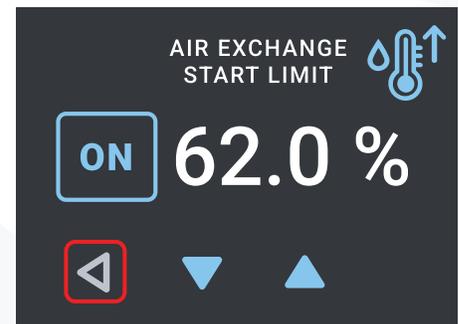
Tap **Off**



Adjust as required



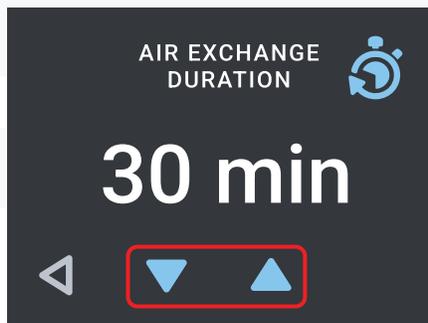
Tap **Back**



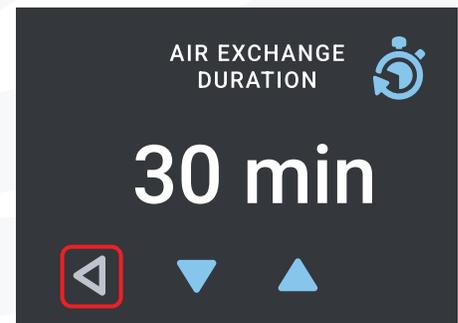
Tap **Air Exchange Duration**



Adjust as required



Tap **Back**



ALERTS

Cure Puck will display the Alert icon RED when an Alert is active.

Tap **Next**



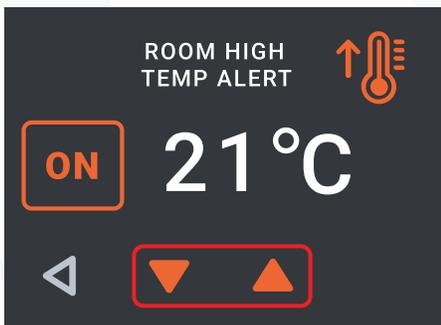
Tap **Room High Temp**



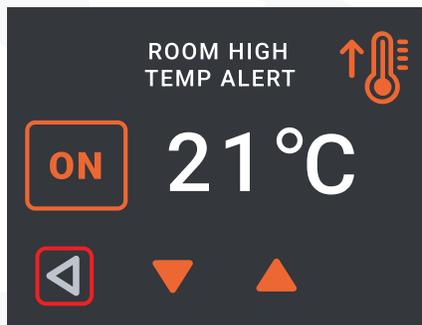
Tap **Off**



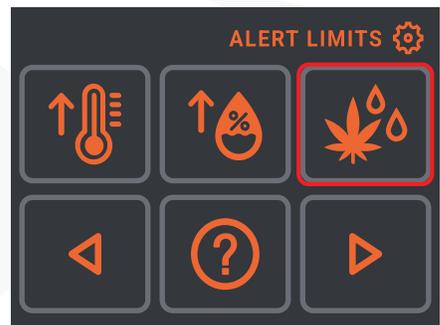
Adjust as required



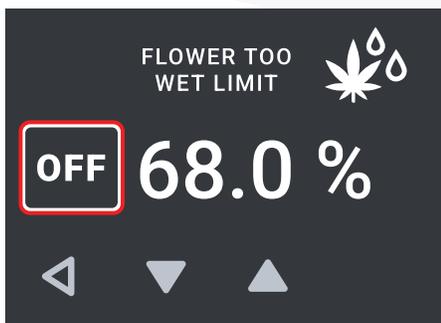
Tap **Back**



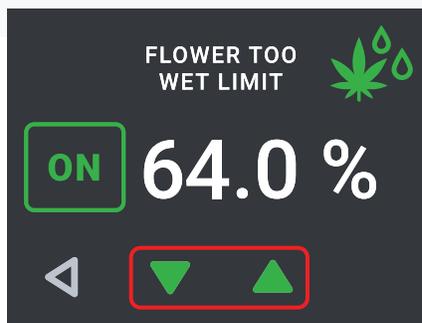
Tap **Flower Too Wet**



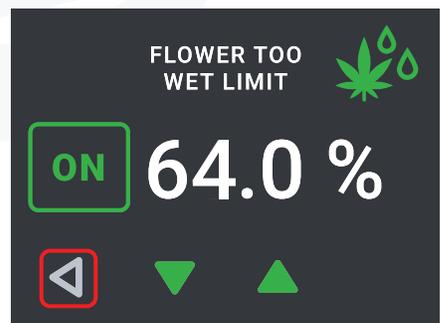
Tap **Off**



Adjust as required



Tap **Back** x 3



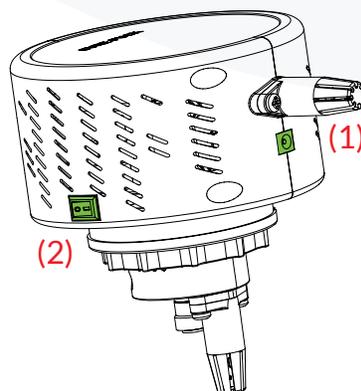
STARTING THE CURE

Relative humidity changes with temperature. For every 1°C difference, a 5% difference in RH is observed. It is extremely important to keep the cure bins in a consistent environment. If you move the bin to a room with a different temperature, it could take over an hour for the readings to stabilize.

1. Start by inspecting your flower in the dry room and determine if it's ready to cure.
 - a. Take some samples of various bud sizes and fill up an airtight container/bag with flower, along with an accurate humidity meter.
 - b. Wait at least 30 minutes, or until the RH reading has stabilized.
 - c. If the RH meter reads 61-65%, the flower is ready for the cure bin. (This value will vary by strain for best results, 63% is ideal for most strains).
2. With the Cure Puck installed and programmed, fill the bin to the recommended fill level.
 - a. **Never bury the Cure Puck with Flower.**
 - b. Locate difusser as shown below.



3. Connect the Cure Puck to Power (1) and Switch On Power (2).

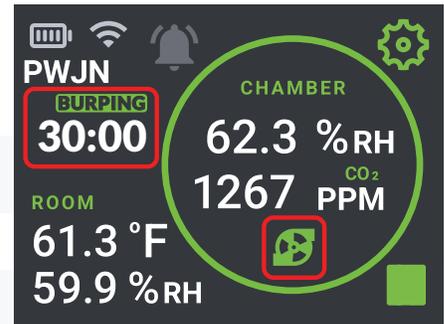
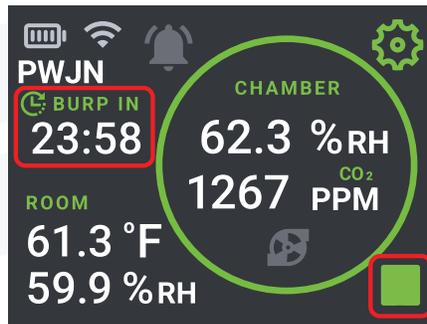
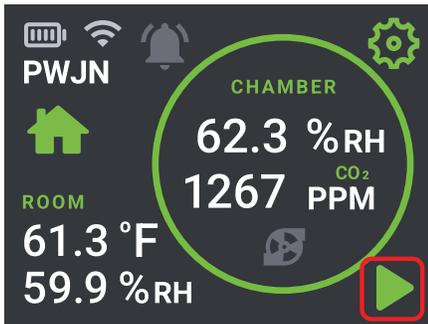


STARTING THE CURE

Tap **Play** to start Timed Burp Cycle.

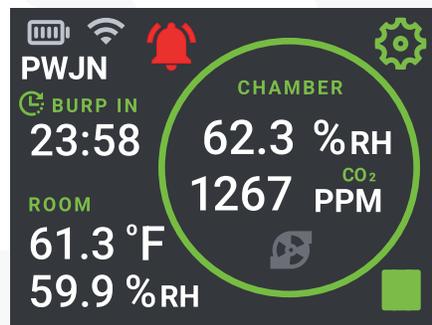
Timer status will be displayed. Play will change to **Stop**.

If you want to manually start a Burp Cycle tap the **Pump Icon**.



The Cure puck is now in a Timed Burp cycle. The Cure Puck will initiate a Burp Cycle if the Relative Humidity in the container exceeds the programmed value (64%).

The Alarm Icon will flash RED if Room Relative Humidity, Container Relative Humidity or Room Temperature exceeds the programmed values.



Note that the Alarms set within the Cure Puck itself will NOT notify you by email or text message.

Alerts by email or text message are set within the Dashboard. Dashboard is available either on your smart phone within the Cure Puck App or through the online portal at

<https://dashboard.curepuck.io/>

ANDROID INSTALLATION

Cure Puck App - Android Installation and Device Provisioning Instructions

Notes:

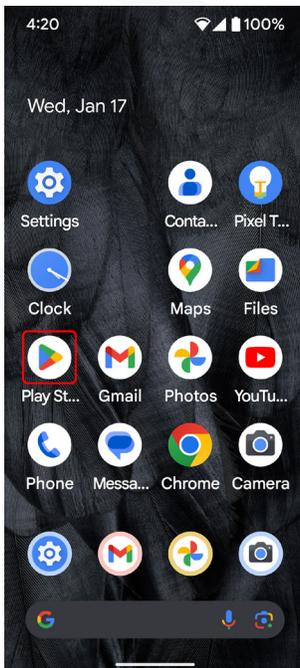
The screenshots below may vary between different versions of Android operating systems however the general intent is the same.

After setting up your first Cure Puck, save your Wi-Fi credentials in the Cure Puck App. These credentials can be transferred to additional Cure Pucks.

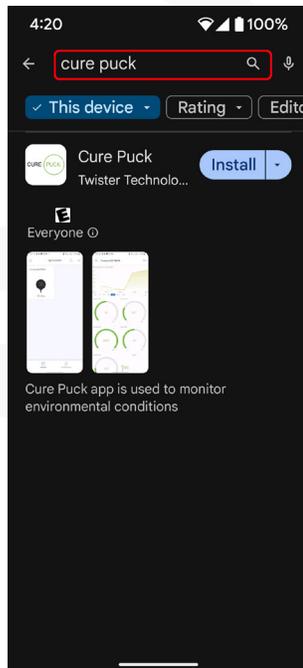
Routers vary greatly as to the number of wireless devices that can be connected. Ensure your router has enough capacity for your Cure Pucks. Most wireless routers can handle at least 20 connections and some can connect up to 250 devices. See page 21 for a list of routers.

On your Smart Phone

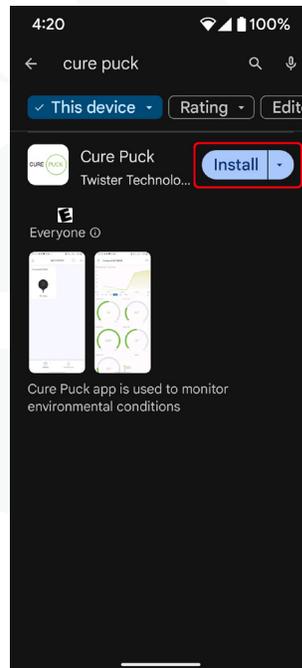
Tap **Google Play**



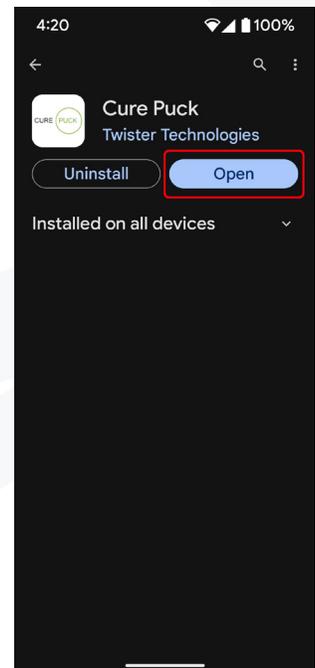
Search **Cure Puck**



Tap **Install**



Tap **Open**

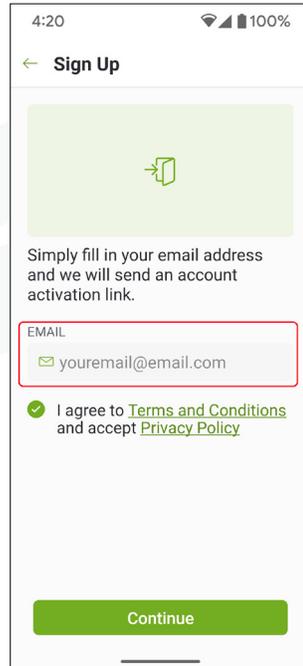


ANDROID INSTALLATION

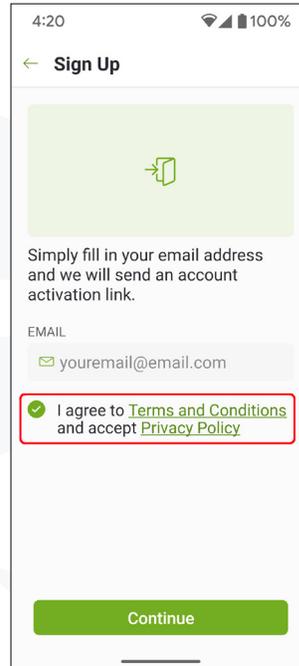
Tap Sign Up



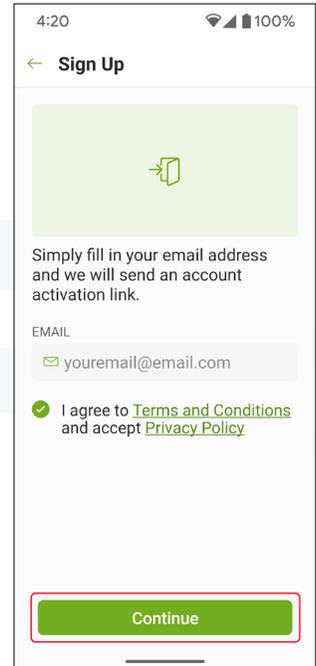
Enter Email



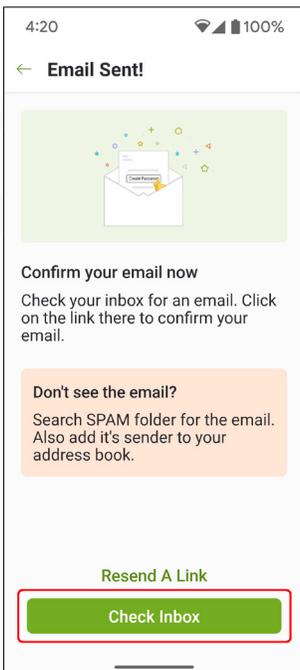
Read and Accept Terms



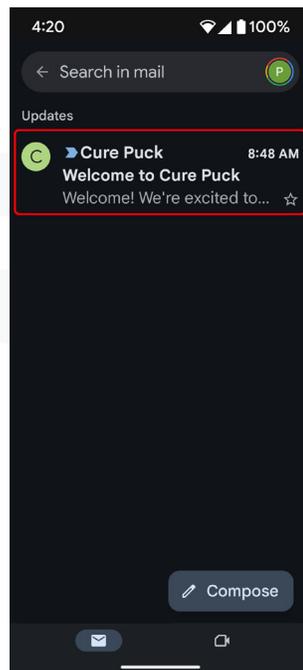
Tap Continue



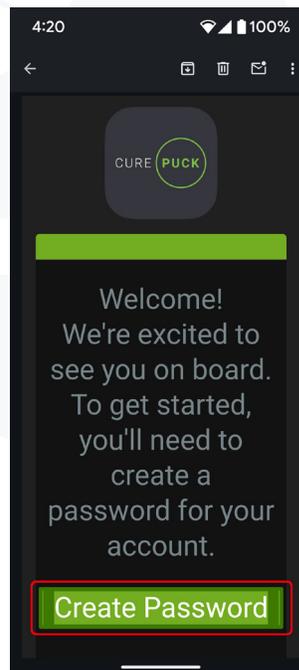
Tap Check Inbox



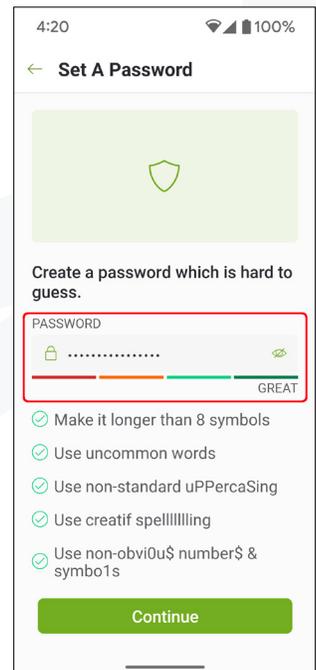
Check Email



Tap Create Password

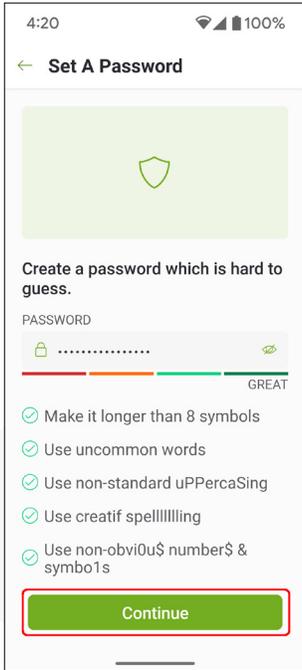


Enter Password

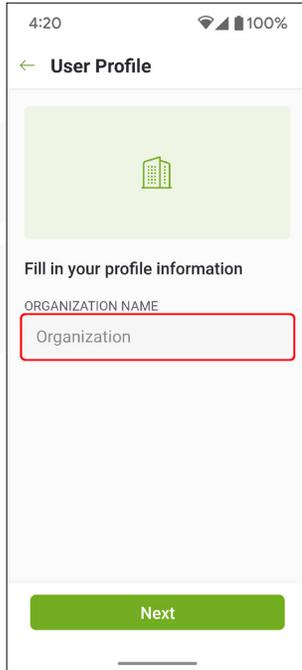


ANDROID INSTALLATION

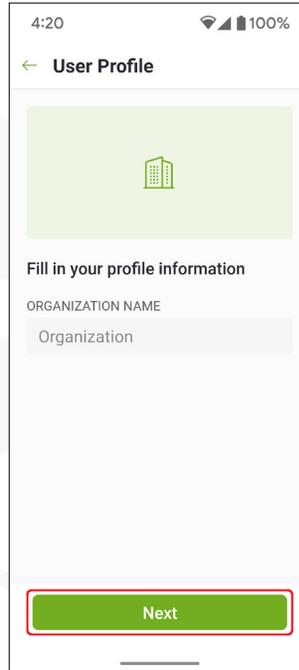
Tap **Continue**



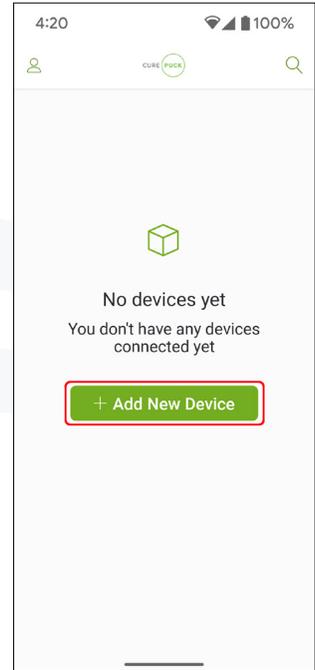
Enter **Organization Name**



Tap **Next**



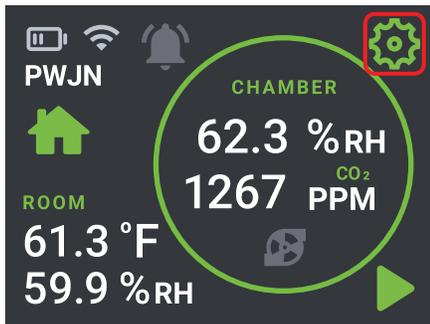
Tap **+ Add New Device**



On your Cure Puck

Use of Wi-Fi Provisioning Mode will disconnect the Cure Puck from any existing Network Connections and Cure App Connections. Your device will no longer be visible and a loss of data will occur. If your Cure Puck is not connecting to your network, turn it off for 5 seconds and turn it back on. The Cure Puck will use existing settings and attempt to reconnect to your network.

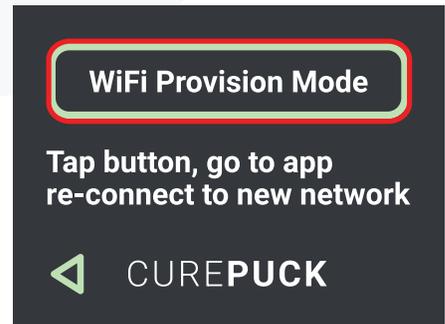
Tap **Settings**



Tap **Network**



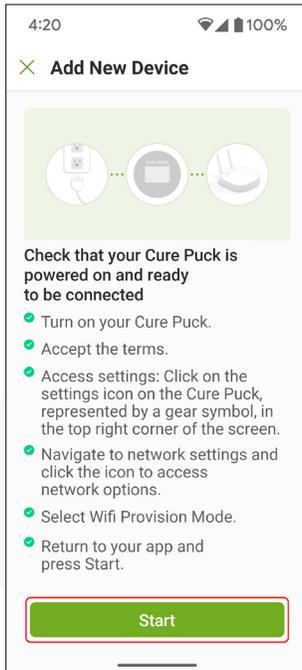
Tap **Provision Mode**



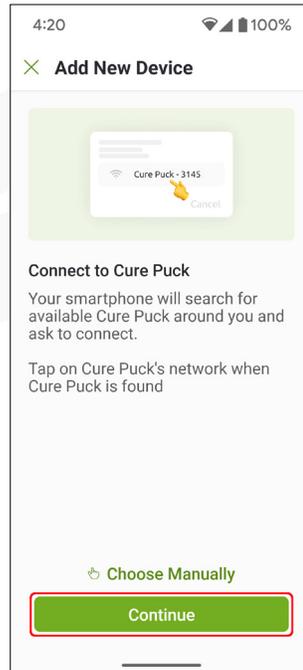
ANDROID INSTALLATION

Back to your Smart Phone

Tap Start

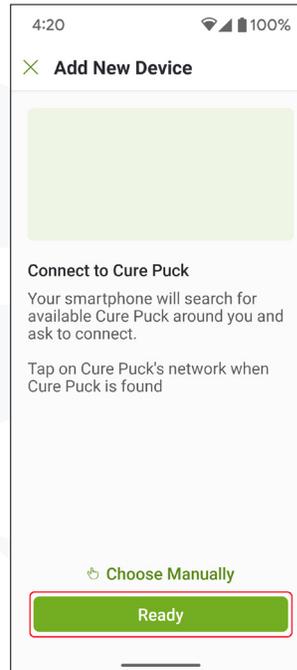


Tap Continue

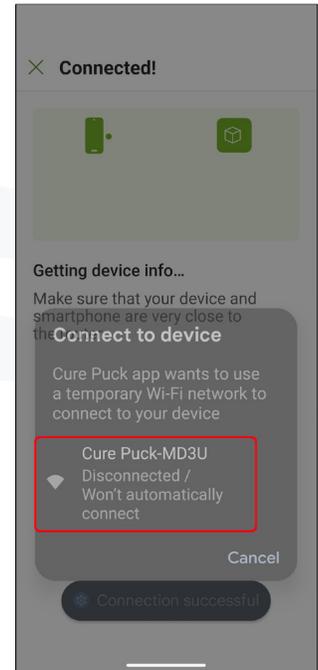


or

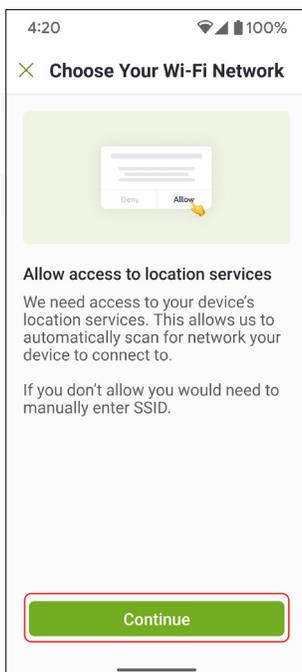
Tap Ready



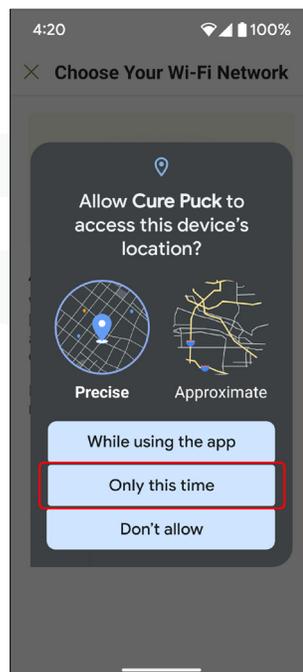
Connect to device



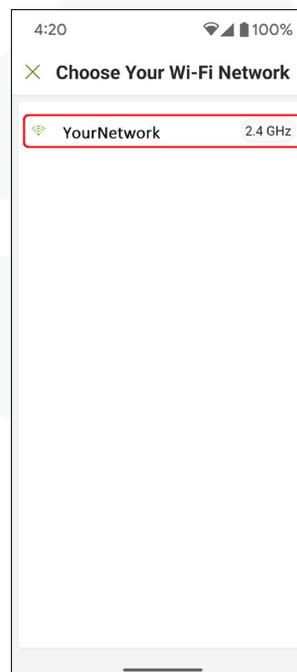
Tap Continue



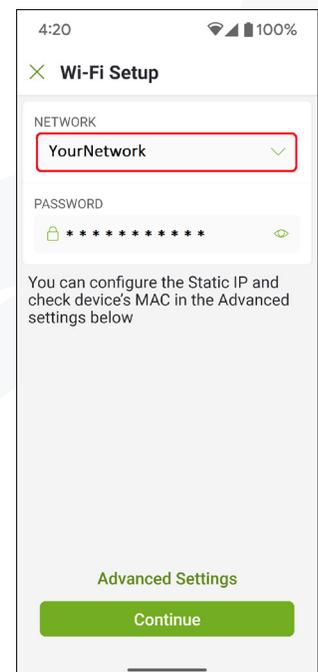
Tap Only This Time



Tap Network



Confirm Network



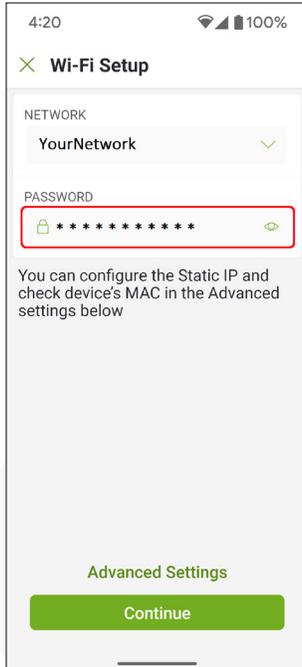
NOTE

Access to Location Identifier is an Android safety protocol. More can be learned here

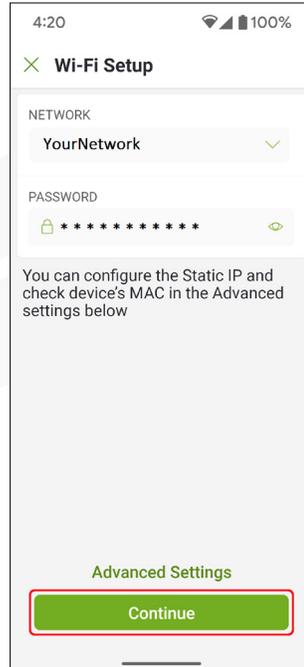
<https://developer.android.com/about/versions/marshmallow/android-6.0-changes#behavior-hardware-id>

ANDROID INSTALLATION

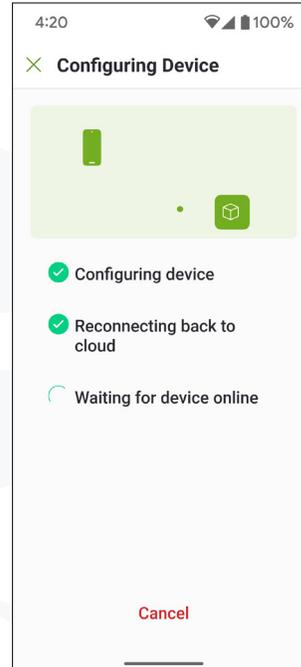
Enter Password



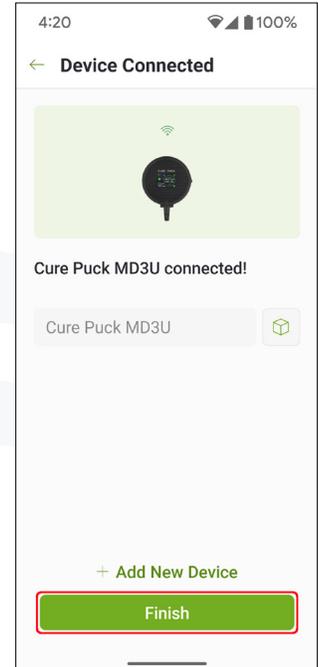
Tap Continue



Wait for it!!



Tap Finish



Cure Puck App - iPhone Installation and Device Provisioning Instructions

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On your Smart Phone

Tap **App Store**



Search **Cure Puck**



Tap **Download Icon**



Tap **Open**

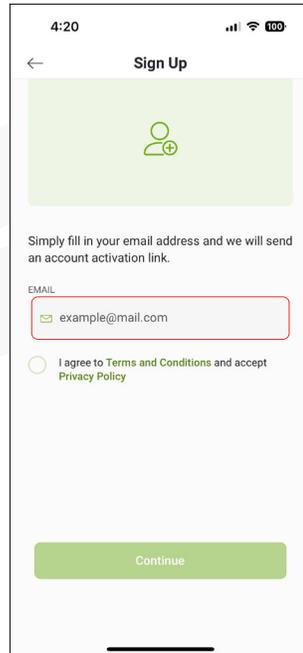


IPHONE INSTALLATION

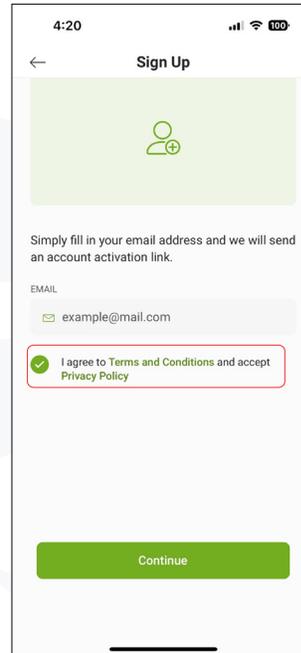
Tap Sign Up



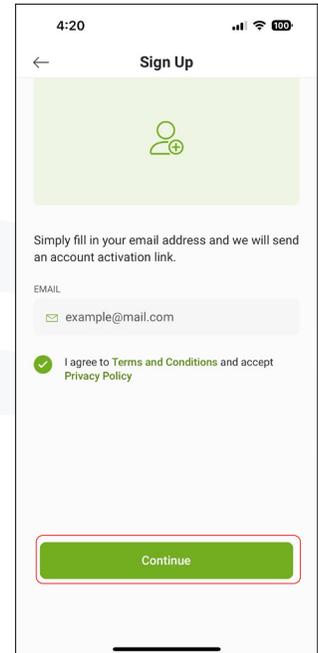
Enter Email



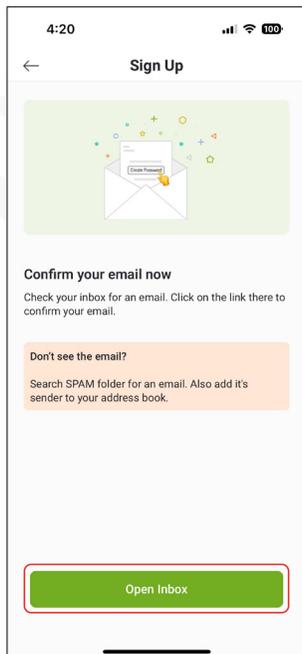
Read and Accept Terms



Tap Continue



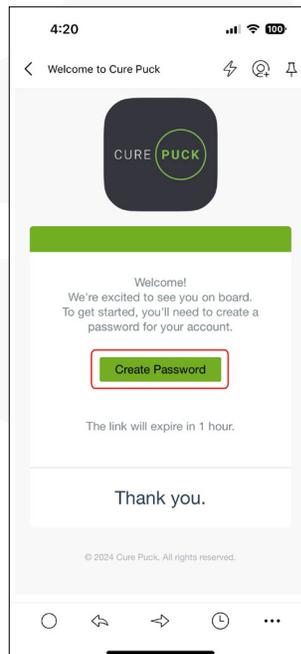
Tap Open Inbox



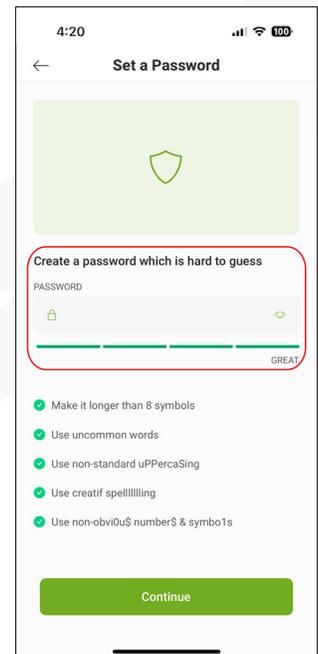
Check Email



Tap Create Password

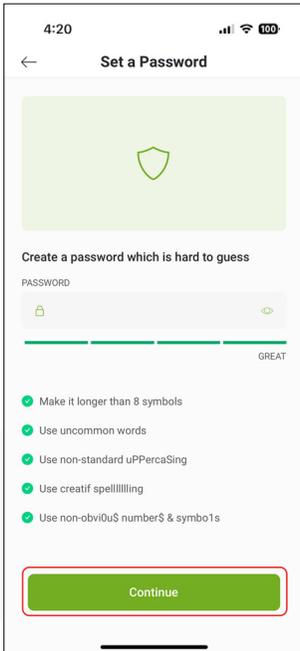


Enter Password

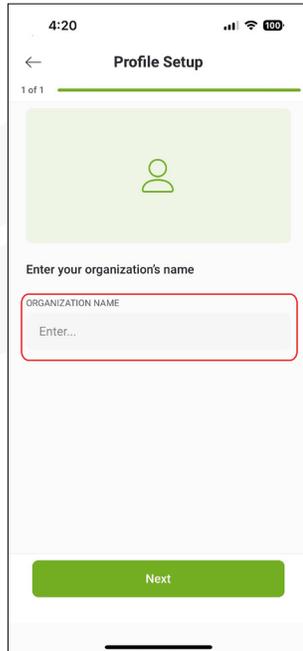


IPHONE INSTALLATION

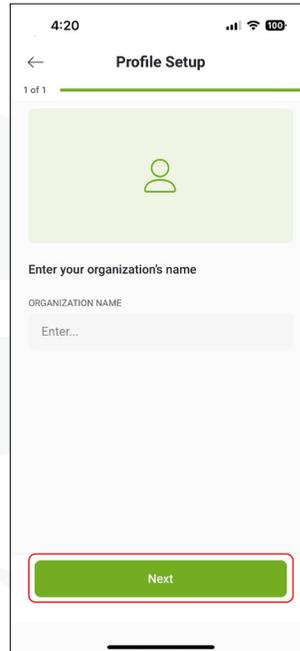
Tap **Continue**



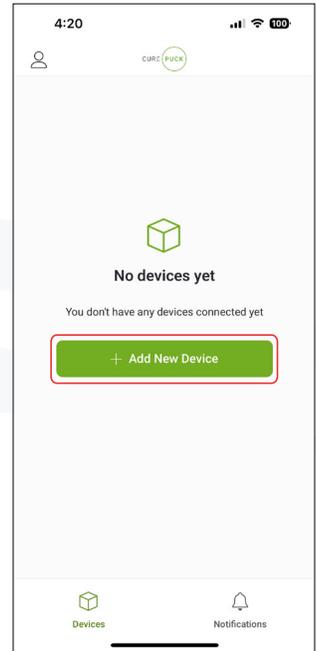
Enter **Organization Name**



Tap **Next**



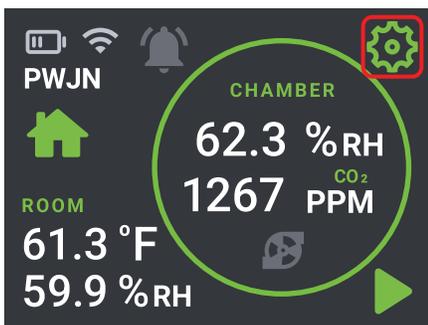
Tap **+ Add Device**



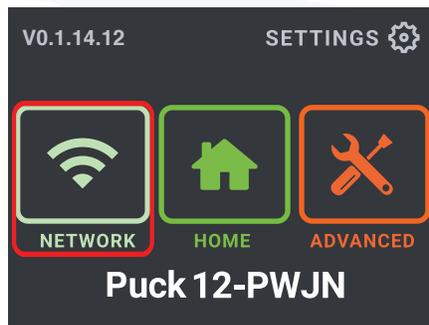
On your Cure Puck

Use of Wi-Fi Provisioning Mode will disconnect the Cure Puck from any existing Network Connections and Cure App Connections. Your device will no longer be visible and a loss of data will occur. If your Cure Puck is not connecting to your network, turn it off for 5 seconds and turn it back on. The Cure Puck will use existing settings and attempt to reconnect to your network.

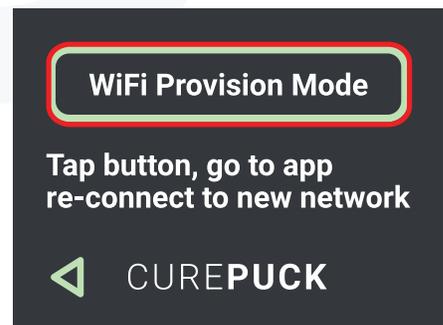
Tap **Settings**



Tap **Network**



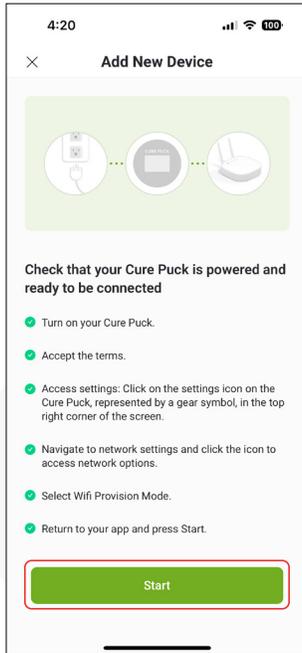
Tap **Provision Mode**



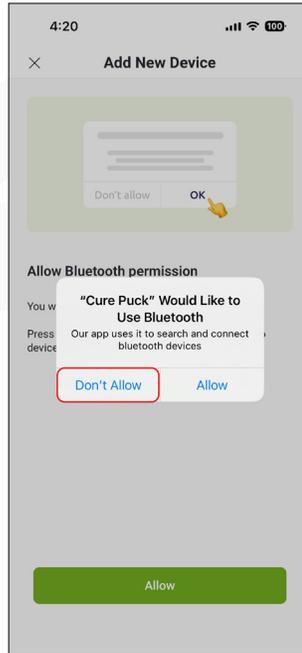
IPHONE INSTALLATION

Back to your Smart Phone

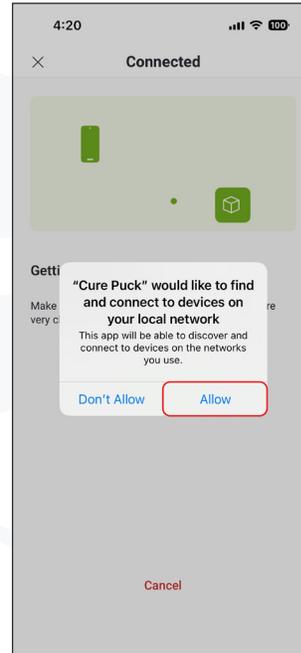
Tap **Start**



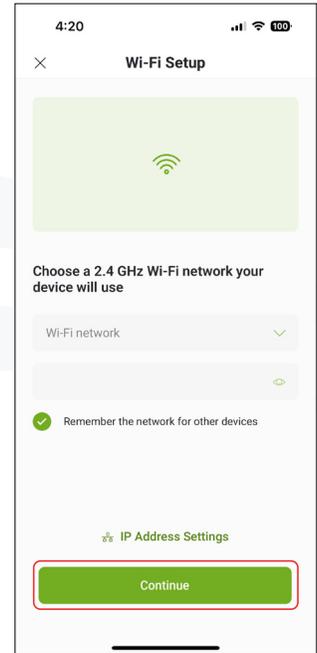
Tap **Don't Allow**



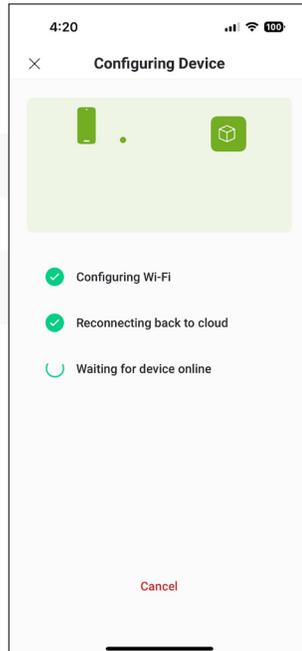
Tap **Allow**



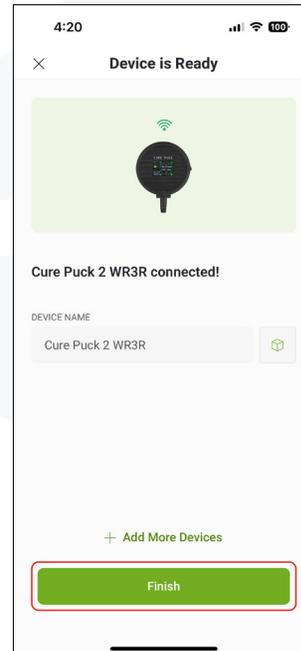
Tap **Continue**



Wait for it!!



Tap **Finish**





We do not recommend nor have we tested any of these.

Here is a list of common routers.

1. TP-Link Archer C7 - Supports up to 50 wireless connections.
2. Netgear Nighthawk AC2300 (R7000P) - Supports up to 45 wireless connections.
3. Linksys EA7500 - Supports up to 50 wireless connections.
4. Asus RT-AC68U - Supports up to 50 wireless connections.
5. D-Link DIR-882 - Supports up to 50 wireless connections.
6. Netgear Orbi RBK50 - Supports up to 40 wireless connections per unit.
7. Google Nest WiFi - Supports up to 100 wireless connections.
8. TP-Link Deco M5 - Supports up to 100 wireless connections.
9. Ubiquiti AmpliFi HD - Supports up to 100 wireless connections.
10. Linksys Velop Tri-Band - Supports up to 100 wireless connections.

Here is a list of high density routers.

1. Cisco Meraki MR42 - Designed for high-density environments, supports up to 250+ wireless connections.
2. Ubiquiti UniFi UAP-AC-HD - Supports up to 500 clients per radio, suitable for handling around 250 wireless connections.
3. Aruba Instant On AP22 - Supports up to 256 wireless clients.
4. Ruckus R510 - Supports up to 512 concurrent clients, suitable for handling around 250 wireless connections.
5. Cambium Networks cnPilot e700 - Supports up to 256 connected clients.

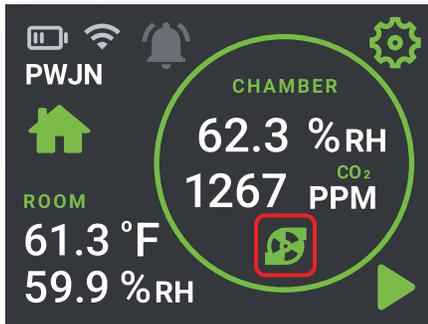
MORE SETTINGS

MANUAL BURP CONTROL

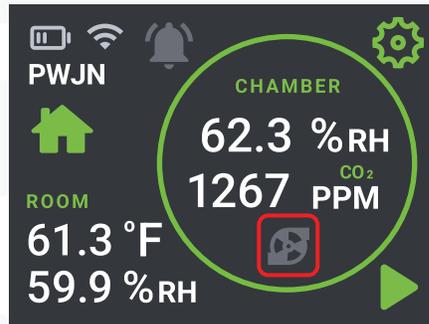
The Pump Icon activates a burp cycle for the duration of the setting in Air Exchange Duration. If you activate a manual burp cycle this will not change any other settings or timers. A manual burp will be activated in addition to the Air Exchange Frequency Timer.

If a burp is activated manually the pump icon highlights Green, tapping it again will stop the burp cycle.

Tap **Pump Icon** to **activate** Burp Cycle



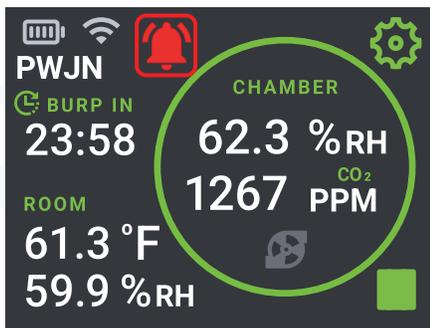
Tap **Pump Icon** to **stop** Burp Cycle



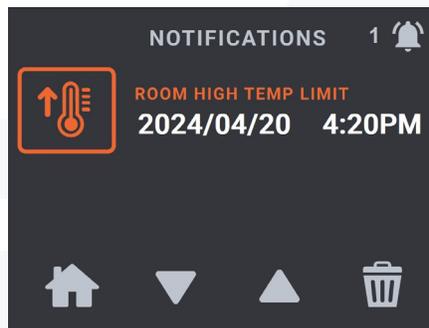
NOTIFICATIONS

Your Cure Puck will display the Alert Icon Red when an Alert is activated.

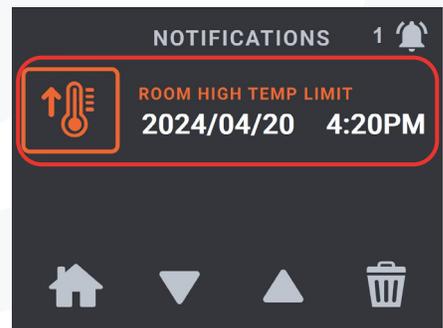
Tap **Alert Icon**



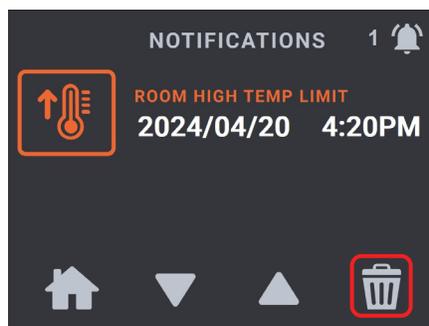
Notifications Listed



Tap to **Delete Notification**



Tap **Trash Icon** to **Delete All Notifications**



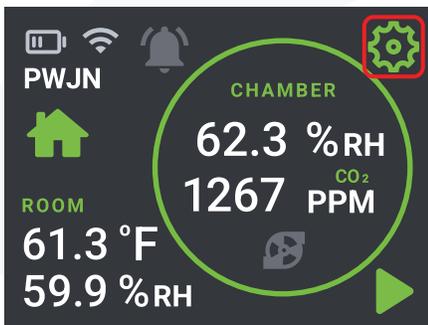
The Cure Puck has 3 Alerts

For your Cure Puck to send Alerts to your Phone and/or Email the alert must be ON. This applies to each alert individually. We recommend setting all alerts to ON. Notifications can be stopped by the phone, in the settings page in the App.

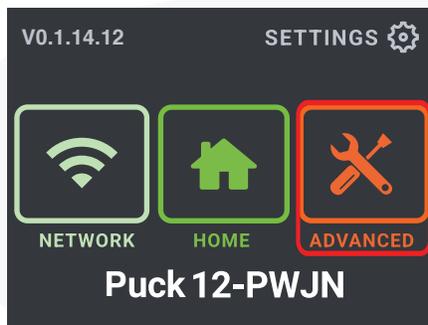
IMPORTANT!

The App does not turn ON or OFF the Alerts in the Cure Puck.

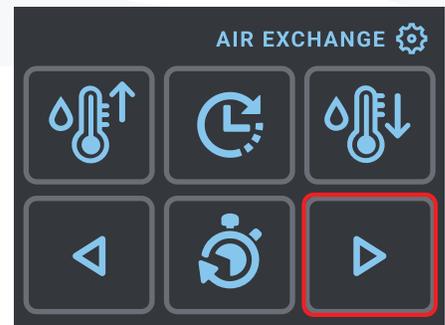
Tap **Settings**



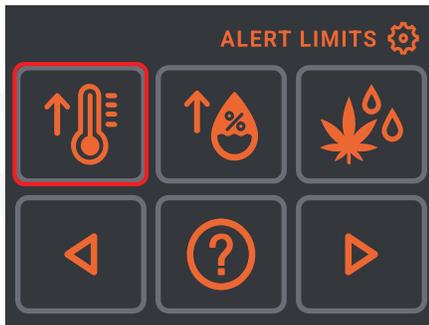
Tap **Advance**



Tap **Next**

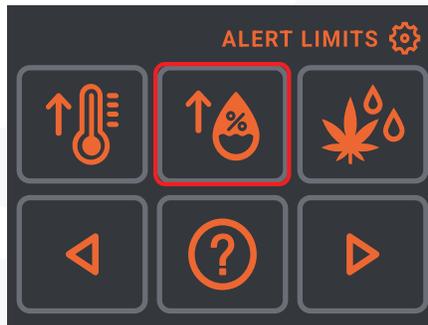


Room High Temp Alert



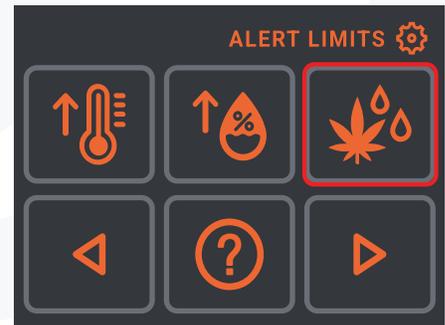
Is activated when the temperature in the room exceeds the set point and the alert is turned ON.

Room High RH Alert



Is activated when the relative humidity in the room exceeds the set point and the alert is turned ON.

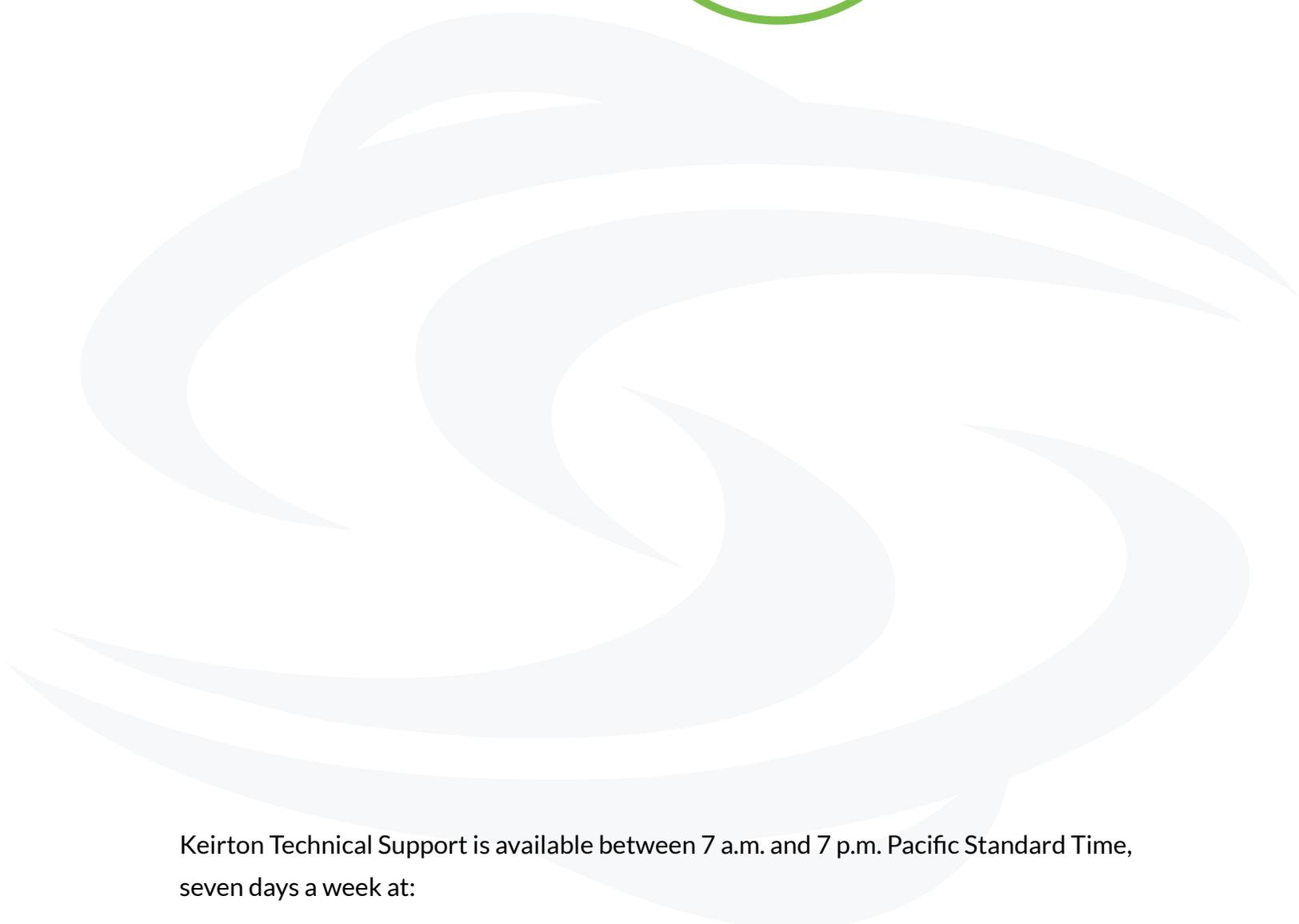
Flower too Wet Alert



Is activated when the relative humidity in the container exceeds the set point and the alert is turned ON.

NOTE See **Using your App** for more details about configuring your App.
 For Connecting your Cure Puck to Android App see Pg 12.
 For Connecting your Cure Puck to Iphone App see Pg 17.

CURE **PUCK**



Keirton Technical Support is available between 7 a.m. and 7 p.m. Pacific Standard Time, seven days a week at:

- **1-888-254-3204**
- **support@keirton.com**