

# HOLMAN



## E·C·H·O

Plant Sensor

## Instruction Manual

SKU: BXPSH and BXPS | IS1186 REV -

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Please be sure to read through **all** the instructions before attempting to use your product.

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# Overview

## BXPS and BXPSH Components

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- a. Led Indicator Light
- b. Button
- c. Back Cover
- d. Screws
- e. Wi-Fi Gateway Hub (BXPSH only)
- f. Wi-Fi Hub Button
- g. Wi-Fi Hub LED Indicator Light



# Overview

## ECHO Plant Sensor Features

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- Measures soil moisture (%) and air temperature (°C/°F)
- App control for easy setup and operation
- When the batteries are low, a short press on the button will cause the red light to flash rapidly for 3 times. The device will not perform any detection, and the app will display a low battery indication

## ECHO Plant Sensor Button Function

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- Hold the button to enter pairing mode
- Press the button to send immediate update to **Holman Home**

## ECHO Plant Sensor LED Light Status

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**BLUE: Flashing**

Plant Sensor is in pairing mode

# Overview

## **BXPSH Wi-Fi Gateway Hub Features**

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- Pair with one **ECHO Plant Sensor** to have Wi-Fi remote control
- For indoor use only, and must be within Wi-Fi network range
- For optimum control, maximum of 10 metres between the **Wi-Fi Gateway Hub** and the **ECHO Plant Sensor**
- ⚠ Requires a standard 240V power point, with consistent Wi-Fi signal
- ⚠ If the signal is weak or intermittent you may see issues with maintaining remote control capability
- ⚠ 2.4GHz Wi-Fi connection only

## **BXPSH Wi-Fi Gateway Hub LED Light Status**

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<b>PINK/BLUE: Alternate Flash</b>	Wi-Fi Hub is in pairing mode
<b>BLUE</b>	Not connected to Wi-Fi
<b>PINK</b>	Connected to Wi-Fi

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# Specifications

## **ECHO Plant Sensor**

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Waterproof Level	IP54
Temperature Range	37°F–122°F (3–50°C)
Moisture Range	0%RH–100%RH
Accuracy	+/- 10%
BXPS Connection	Bluetooth
BXPSH Connection	Wi-Fi
Powered By	3× AAA batteries (not included)

## **Wi-Fi Gateway Hub**

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Rated Voltage	5V
Rated Current	≤500mA
Communication Module Protocol	Dual module, Wi-Fi 2.4GHz and Bluetooth 5.0
Max. Connection Range with ECHO Plant Sensor	≥50m

# Setup

## Installing Holman Home

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1. Download **Holman Home** to your mobile device via the  **App Store** or  **Google Play**
2. Open **Holman Home** on your mobile device
  -  You may be prompted to allow notifications—the app can still function if you choose to opt out
3. Tap **SIGN UP**
4. Read our User Agreement and Privacy Policy and tap **AGREE** if you wish to proceed
5. Follow the prompts to register a **Holman Home** account with your email address
  -  Ensure your country details are correct at this stage
  -  You may be prompted to allow access your location. This allows the app to show weather information-it will still function if you choose to opt out



Control your garden from anywhere in the world, day or night, with Holman Home Wi-Fi control. Enjoy complete control of your irrigation and garden lighting, wherever internet access is available.

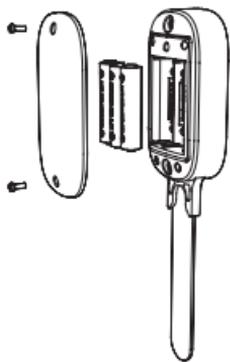


SCAN FOR MORE INFO

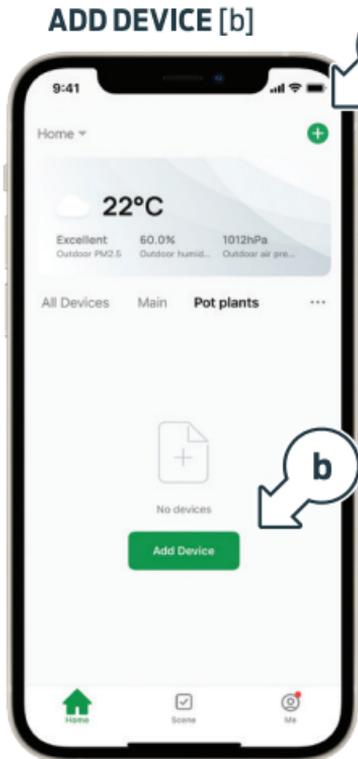
# Setup

## Connecting Directly to BXPS ECHO Plant Sensor

1. Ensure **Bluetooth®** is enabled on your smartphone
2. To install the batteries, remove back cover with a screwdriver
4. Hold the button down for 5 seconds to enter pairing mode
5. Using **Holman Home**, go to the **HOME** screen and tap **+** [a] and tap **ADD DEVICE** [b]



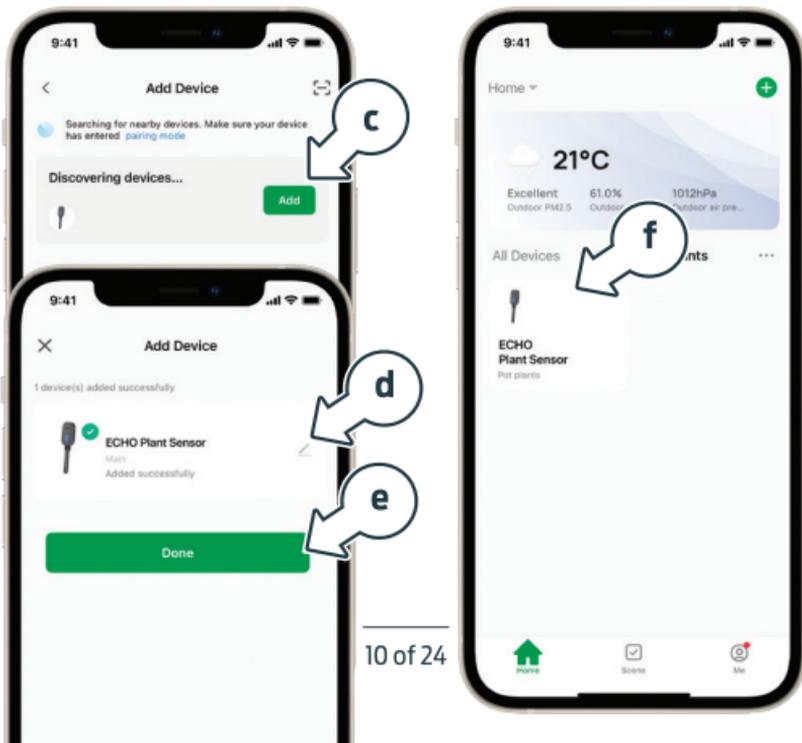
3. Insert the 3× AAA batteries, close the back cover and tighten the screws



# Setup

## Connecting Directly to BXPS ECHO Plant Sensor (continued)

- Once **Plant Sensor** is discovered, tap **ADD** [c]
- Wait for pairing process to finish
- i** Optionally, tap  [d] to rename the device and assign it to a room
- Tap **DONE** [e]
- Your **ECHO Plant Sensor** will be added to your **Holman Home** home screen [f]
- i** For **BXPSH**, the **ECHO Plant Sensor** needs be paired with **Wi-Fi Gateway Hub** for remote control



# Setup

## **BXPSH ONLY: Pairing Wi-Fi Gateway Hub**

This section relates to **BXPSH ONLY**, if you purchased **BXPS** without the **Wi-Fi Gateway Hub**, please continue to [Installation](#) for further instructions

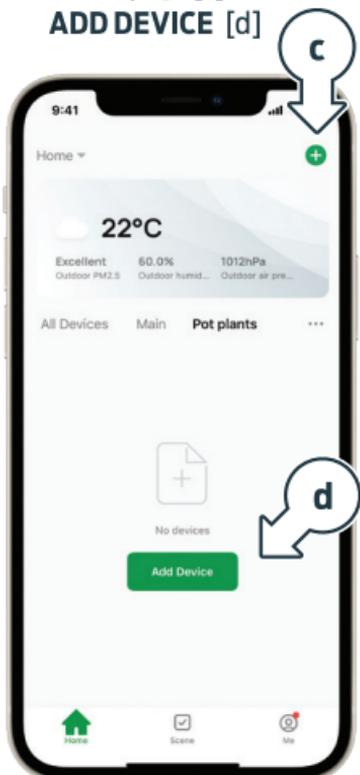
1. Plug **Wi-Fi Hub** into an indoor power point within range of 2.4Ghz router
2. Power on your **Wi-Fi Hub**

**i** **Wi-Fi Hub** will automatically be in pairing mode. Light flashing pink and blue alternately [a]

**i** If **Wi-Fi Hub** is not in pairing mode, press and hold the button for 5 seconds [b]



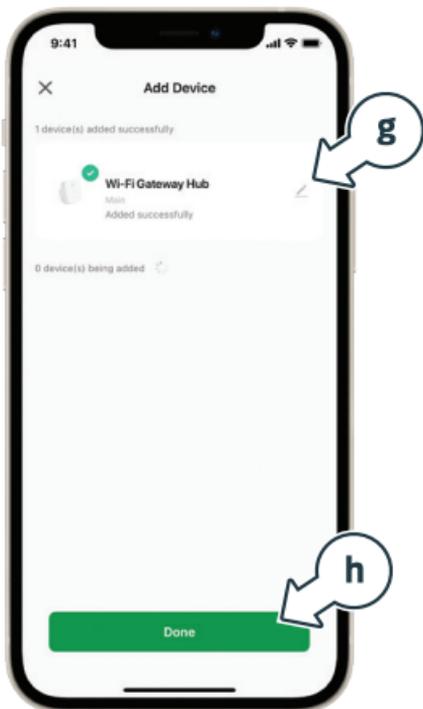
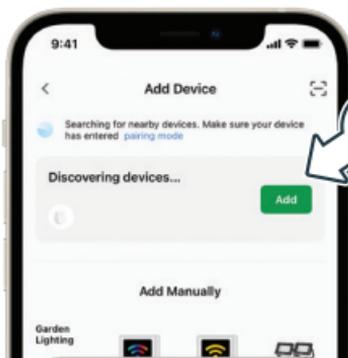
3. Open the **HOME** screen in **Holman Home** and tap **+** [c] and **ADD DEVICE** [d]



# Setup

## **BXPSH ONLY: Pairing Wi-Fi Gateway Hub (continued)**

- Once **Wi-Fi Gateway Hub** is discovered, tap **ADD** [e]
- Enter your Wi-Fi details and press next [f]
- Optionally, tap  [g] to rename the device and assign it to a room
- Tap **DONE** [h]

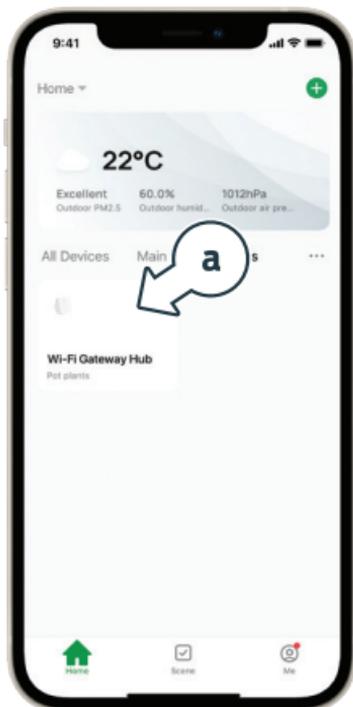


# Setup

## BXPSH ONLY: Pairing Plant Sensor with Wi-Fi Hub

1. Go to the home screen of **Holman Home** and select your **Wi-Fi Gateway Hub** [a]

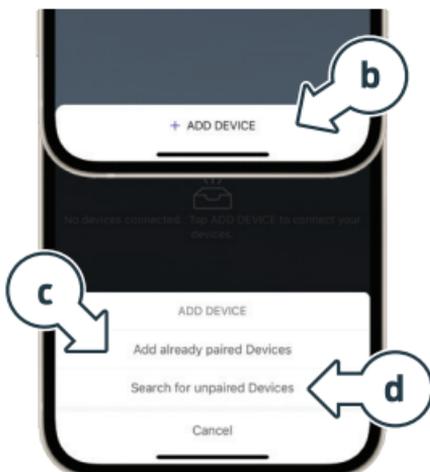
**i** This will take you to the **Wi-Fi Gateway Hub** home page



2. Tap **ADD DEVICE** [b]

**i** If your plant sensor is already paired, select **ADD ALREADY PAIRED DEVICES** [c] and jump to step 5 of section: [Associating Devices with Wi-Fi Hub](#)

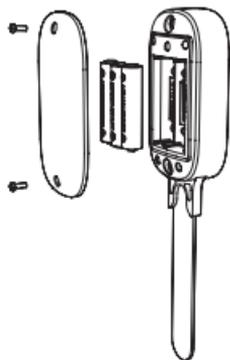
**i** Otherwise, tap **SEARCH FOR UNPAIRED DEVICES** [d], and continue to next page



# Setup

## BXPSH ONLY: Pairing Plant Sensor with Wi-Fi Hub (continued)

3. Remove back cover and add batteries



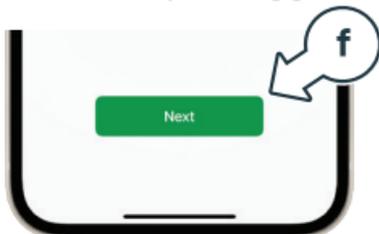
4. Hold **Plant Sensor** button for 5 seconds to enter pairing mode

- i** Ensure the light is flashing

5. Tap **LED IS FLASHING** [e]

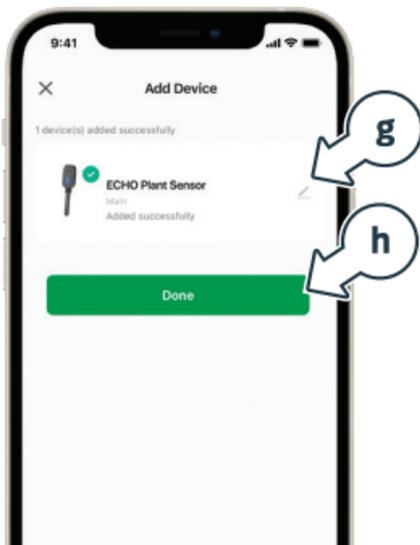


6. Once **Plant Sensor** is added, tap **NEXT** [f]



- i** Optionally, tap  [g] to rename the device and assign it to a room

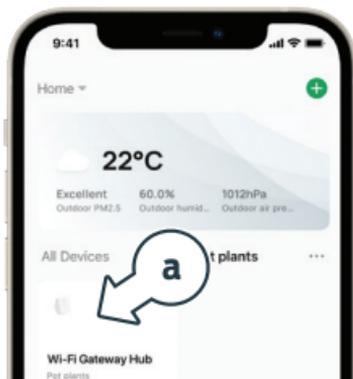
7. Click **DONE** [h]



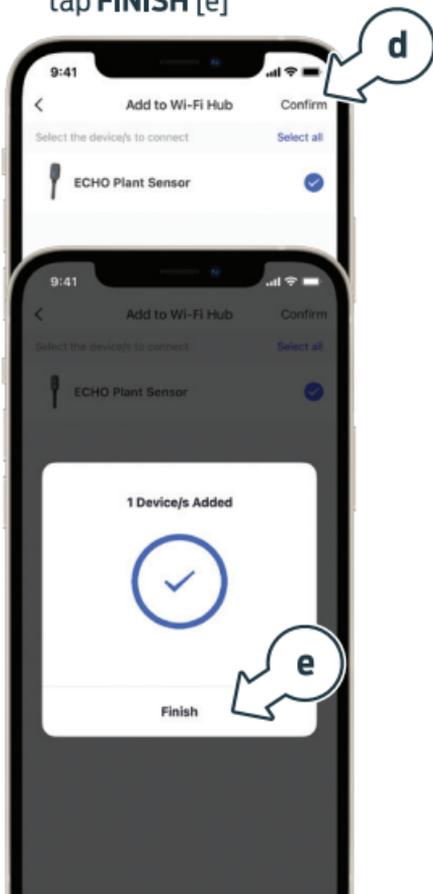
# Setup

## **BXPSH ONLY: Associating Devices with Wi-Fi Hub**

1. Ensure **Plant Sensor** is on, paired, and in range of your **Wi-Fi Hub**
2. Select **Wi-Fi Hub** [a] from **Holman Home**
3. Tap **ADD DEVICE** [b]
4. Select **ADD ALREADY PAIRED DEVICES** [c]
5. Select **Plant Sensor(s)** to associate with **Wi-Fi Hub** and tap **CONFIRM** [d]
6. When this is complete, tap **FINISH** [e]



3. Tap **ADD DEVICE** [b]
4. Select **ADD ALREADY PAIRED DEVICES** [c]



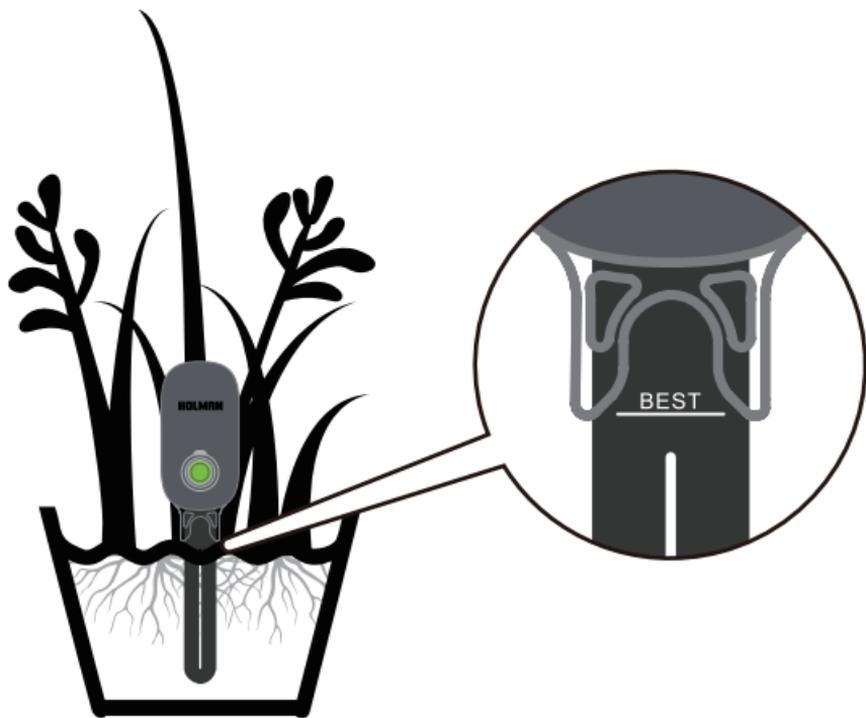
# Installation

## Installing ECHO Plant Sensor

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**i** If your soil is soft, insert the device in the **BEST** position

**i** If your soil is hard, dig a hole and bury the device in the **BEST** position

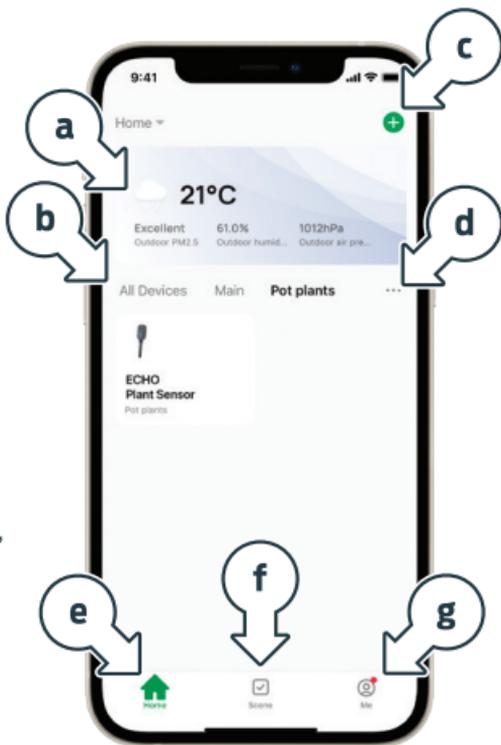


# Programming

## Product Overview

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- a. **LOCAL WEATHER FORECAST:** Get your local weather forecast for informed watering
- b. **ALL DEVICES:** A list of connected devices. Tap a device to view its operation pages and edit programming/scheduling
- c. **ADD DEVICES:** Add multiple devices to create a smart home
- d. **ROOM MANAGEMENT:** Easily organise devices into groups
- e. **HOME MANAGEMENT:** Locate your home, customize home name and add family members. Convenient for managing watering schedules for different residences
- f. **SCENE:** On the **SCENE** screen, there is **TAP-TO-RUN** and **AUTOMATION** functions. You can automate multiple smart products by setting conditions and tasks
- g. **ME:** On the **ME** screen, there is:
- **MESSAGE CENTRE:** Receive water leak and low battery alerts
  - **FAQ & FEEDBACK:** Get FAQ and report any issues



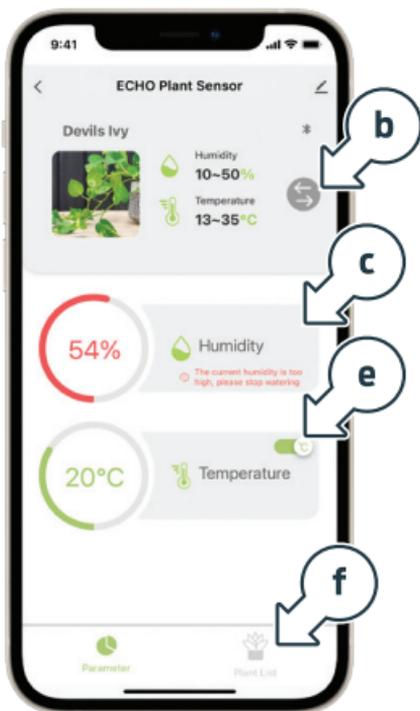
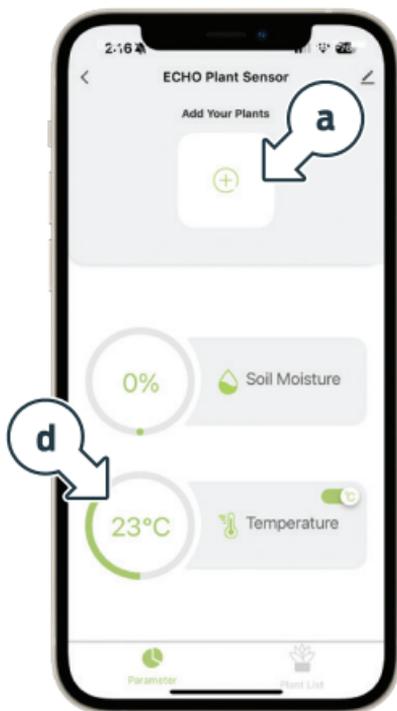
# Programming

## ECHO Plant Sensor Home Page

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Select the **ECHO Plant Sensor** to go to the device home page. There are many data and functions as follows:

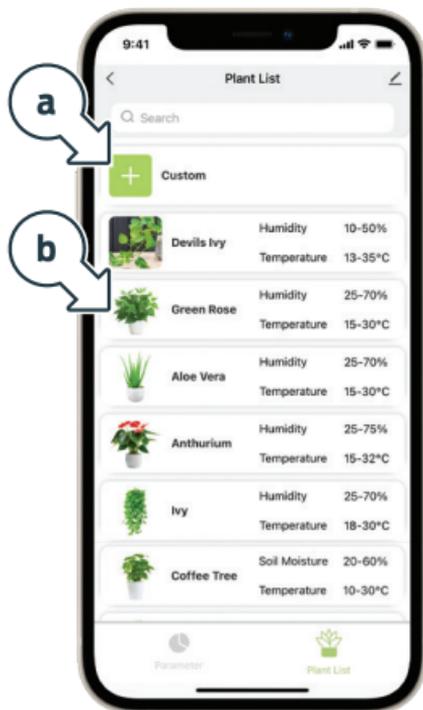
- a. Quickly add
- b. Switch plants
- c. Current soil moisture
- d. Current air temperature
- e. Celsius/Fahrenheit switch
- f. Plant List Menu



# Programming

## Plant List and Customised Settings

- Add customised plants
- Add a system of plants, there are twenty to choose from
- Tap  to take a photo or upload an image of plant
- Enter plant name
- Set appropriate humidity range for your plant
- Set appropriate temperature range for your plant

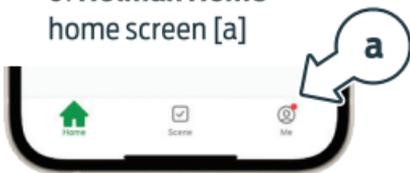


# Programming

## Home Management

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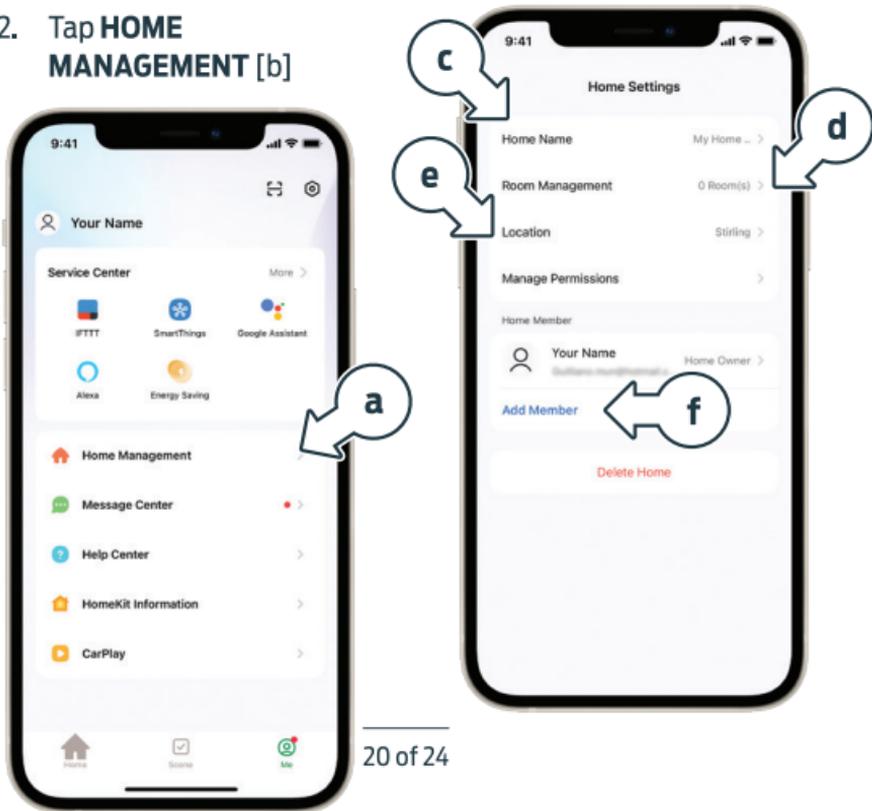
1. Tap **ME** at the bottom of **Holman Home** home screen [a]



3. Under **HOME SETTINGS**, customise:

- Home Name [c]
- Room Management [d]
- Home Location [e]
- Add Family Members [f]

2. Tap **HOME MANAGEMENT** [b]



# Programming

## How to Reset Your ECHO Plant Sensor

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1. Method One:
  - i. Remove all batteries from the battery compartment
  - ii. After 10 seconds, insert 3 fresh AAA (1.5V) alkaline batteries into the battery compartment of the ***ECHO Plant Sensor***
  - iii. The green LED will begin flashing quickly (2 times per second), indicating it is in pairing mode
2. Method Two:
  - i. Press and hold the button on the ***ECHO Plant Sensor*** for about 5 seconds until the green LED begins flashing quickly (2 times per second)
  - ii. Your ***ECHO Plant Sensor*** is now restored to pairing mode

# Troubleshooting

<b>Problem</b>	<b>Possible Factors</b>	<b>Solution</b>
Data inaccurate incorrect.	Stones around the sensor.	Please ensure that there are no stones around the sensor while burying it to avoid any interference with the accuracy caused by the presence of stones.
No display on the screen.	Batteries are low.	Replace brand new alkaline batteries.
Sensor drains batteries quickly.	The cause of the battery itself.	<ul style="list-style-type: none"><li>• Test a new set of alkaline batteries. Write down the date of installation and the voltage of the batteries. When the batteries fail, please note the date and voltage again.</li><li>• Check for leaking batteries, which may damage the sensor.</li><li>• It is recommended to use reputable brands of alkaline batteries, which can provide a battery life of over 24 months.</li></ul>
Device cannot be connected.	<ul style="list-style-type: none"><li>• Distance between device and phone is too far.</li><li>• Bluetooth not turned on.</li></ul>	<ul style="list-style-type: none"><li>• Keep the distance between the phone and soil moisture sensor close while connecting.</li><li>• Please turn on your phone's Bluetooth on to pair with the device.</li></ul>





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