



# WHISPERER

Smart Plant Sensor

Quick start guide

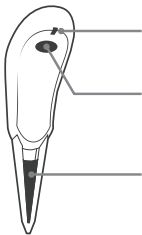
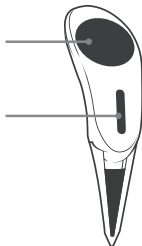
## Getting to Know Your Whisperer

### EFFICIENT SOLAR PANEL

A 1-day solar charge supports  
2-4 weeks of operation

### LED LIGHT

Pick your favorite color to light  
up your garden at night



### SUNLIGHT SENSOR

Measures a wide range of  
spectrum from infrared to visible

### POWER BUTTON

### MOISTURE SENSOR

High accuracy. Works with all  
types of soil

## Setup the Sensor in the Netro App

- 1** Turn on your Whisperer by pressing the power button.
- 2** The first time you turn on your Whisperer, the LED light will start to breath in white color, indicating that it is ready to connect to Wi-Fi (we call this “Setup” mode). If you're not ready to connect yet, no worries. Press the button again to turn off your Whisperer.
- 3** Download the Netro app from App Store or Google Play.
- 4** Stay close to your router, follow the steps in the app to add your Whisperer to your Netro account.

## Select a Spot to Plant Your Whisperer

### **Sunlight Requirements:**

Make sure the sensor can receive at least 1 hour of direct sunlight in a sunny day. In the rainy seasons, the sensor needs to face to the bright sky.

**Find a spot that represents the average conditions for the area you plan to monitor.**

## Battery

**Your Whisperer is powered by a rechargeable LiFePO4 battery which is charged by solar energy.**

1 hour of charge can generally provide 3-5 days of normal operation.

### **What if the sensor runs out of the battery?**

The sensor will stop collecting data. You will have to turn off its power and use sunlight to charge it for at least 1 hour before turning it on again.

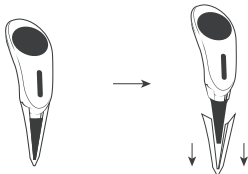
**If your battery is not holding a charge, or you believe it has stopped working, please visit [netrohome.com/support](https://netrohome.com/support). Do not open your device to check on the battery.**

## Test WiFi Signal

- 1** Turn off the sensor.
- 2** Turn the sensor back on and the sensor will try to connect to the wifi router.
- 3** Wait for 15-30 seconds.
- 4** If the connection is successful, the sensor will blink twice.
- 5** If the connection is unsuccessful, the LED will turn red for 1.5 seconds. You might need to move closer to the router (within 100 feet in most cases).

## Prepare to Plant Your Whisperer

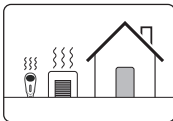
- 1 Remove the protector of the moisture probe.



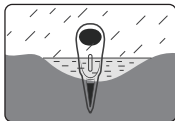
- 2 Make sure your Whisperer is not affected by other equipments or objects.



Do not block the sensor



Keep it away from  
the air conditioner

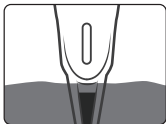


Do not submerge it  
completely under water

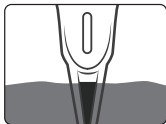
## Insert the Sensor to the Soil

- 3 Push the sensor into the soil.

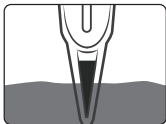
### Adjust the height



incorrect

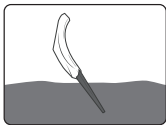


correct

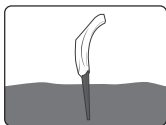


incorrect

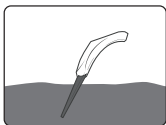
### Adjust the angle



incorrect



correct

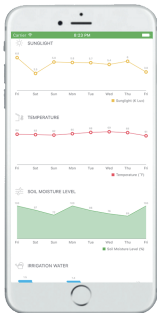


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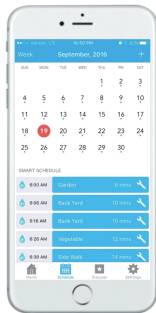


## Back to the Netro App

**The Netro app offers various features with the information collected by your Whisperer.**



Daily, weekly and monthly views of the sensor data.



Recommended watering schedules.

## FAQs

### **How do I tell if my Whisperer is working?**

When Whisperer is working, it measures and reports the data according to the frequency settings in the Netro app. The LED light will flash when the sensor collects data.

### **How do I tell if my Whisperer runs out of battery?**

Press the power button twice (turn the sensor off and back on). Your Whisperer will collect and report the data with the LED light on. If the LED does not light up, your Whisperer needs to be charged. Please turn off the power before charging it.

### **How do I tell if my Whisperer is within the range of my router?**

Please see the “Test WiFi Signal” section.

### **Why the temperature measured by Whisperer is higher than weather forecast?**

Whisperer measures the temperature of the ground surface which is usually higher than the air temperature in sunny days.

## Troubleshooting

### **The sensor is not sending data to the app.**

1. It is possible that the sensor is out of battery and needs to be charged.
2. The sensor might be too far away from your router.

### **I put the sensor under sunlight but it looks like the battery is not charging.**

When the sensor is completely discharged, you will need to turn off the power of the sensor before charging it up.

### **I changed the name or password of my home WiFi and my Whisperer is unable to connect.**

Press the power button quickly (6 times) until the LED starts to breath in white color. Then go to the Netro app->sensors->change WiFi network/password.

## Specifications

Technical Specifications	
Dimensions	8.5 X 2.5 X 2.6 (inches)
Weight	6.0 oz
Battery	rechargeable battery included
Working temperature	10°F - 120°F
Mobile device	iOS(9.0+), Android(5.0+)
WiFi	802.11N, 2.4Ghz, US / Japan / EU

## Support

<http://www.netrohome.com/support>

## Limited Warranty

Netro Inc., Portland, Oregon USA, warrants to the owner of the enclosed product that the product contained in the box will be free from defects in materials and workmanship for a period of one (1) year from the date of delivery following the original retail purchase. **If** the Product fails to conform to this Limited Warranty during the Warranty Period, Netro Inc. will repair or replace any defective product or component.

## Return Policy

**If** you are the original purchaser of the product and you are not satisfied with this product for any reason, you may return it in its original condition within thirty (30) days of the original purchase and receive a full refund.



Netro INC.

## **Federal Communications Commission (FCC) Statement**

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.

**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.

**Warning:** Changes or modifications made to this device not expressly approved by Unigrav Tech may void the FCC authorization to operate this device.

**Note:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

### **RF exposure statement:**

The transmitter must not be colocated or operated in conjunction with any other antenna or transmitter. This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.