

cFloat  home

USER'S GUIDE (V1.1)

May 2018

ATTENTION: Please read carefully and save this cFloat User's Guide in a safe place.

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WE TAKE YOUR PRIVACY SERIOUSLY

We are committed to being open and honest about how we use data. We will always ask for permission before sharing your personally identifiable information such as your email address. We also keep your data safe with industry-standard security tools.

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This guide covers the installation of the cFloat Home System.

For the cFloat Home System to work, the user must have:

- Wi-Fi and internet access
- An iOS or Android smartphone or tablet
- A cFloat Account (free to the cFloat user)

For proper setup and reliable operation, the cFloat Home System requires good Wi-Fi connectivity at all times.

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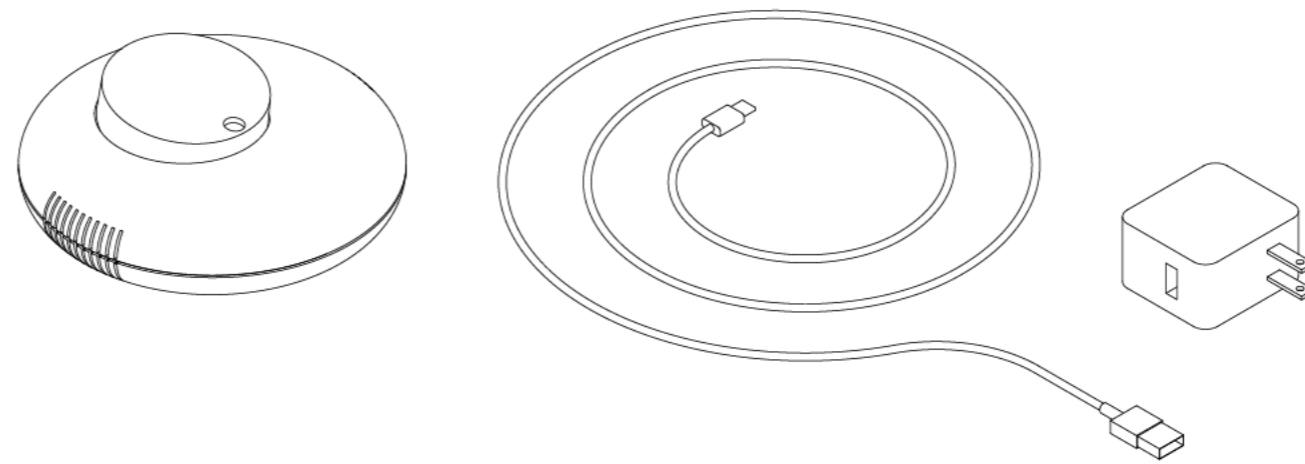
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About cFloat Measurements

cFloat Home, one power adapter and one USB cable.



ATTENTION: Before attempting to use cFloat, you should read and carefully follow the instructions in the section of this cFloat User's Guide titled 'cFloat System Setup'.

MEET YOUR CFLOAT HOME

CFLOAT BENEFITS

Home

The cFloat Home takes indoor measurements. It monitors the air temperature, humidity and air pressure. This data will help you maintain a comfortable temperature inside your home and will assist you in saving energy and money.

Health

The cFloat Home monitors indoor air quality to assist you in preserving a healthy and safe environment.

Wireless Charging

The cFloat Home charges devices by induction. You just need to place your Qi enabled smartphone or other device on top of the cFloat Home – no need for charging cables.

THE CFLOAT HOME

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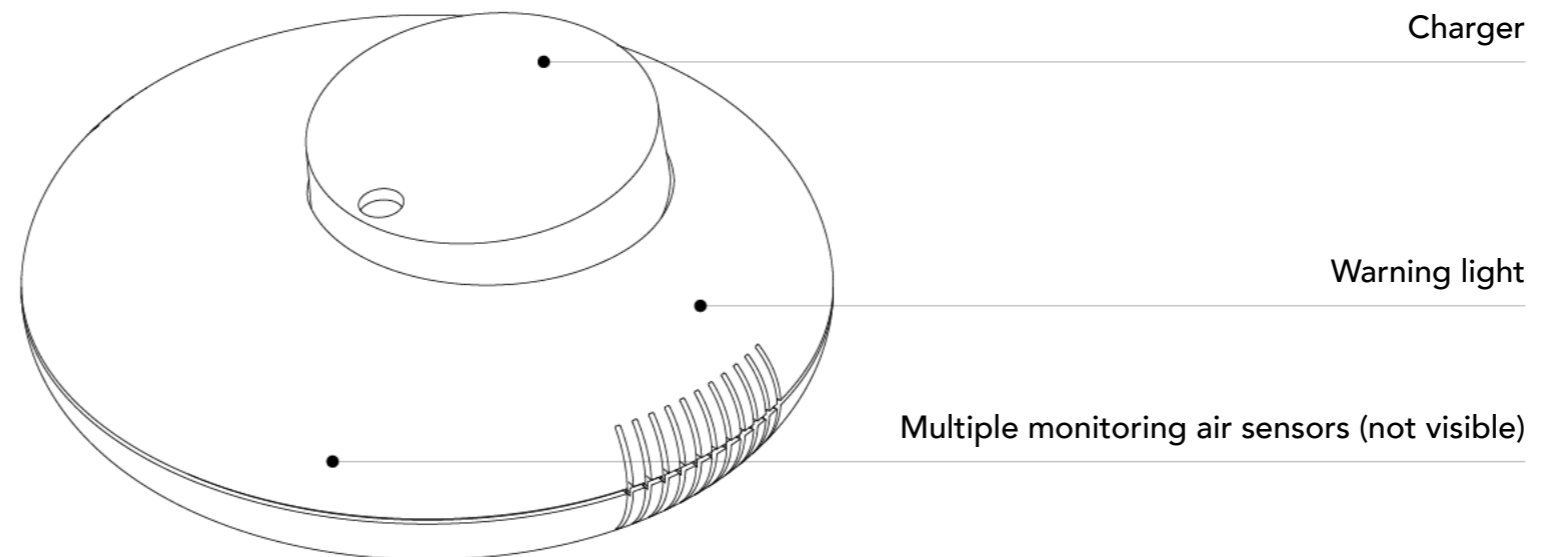
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About cFloat Measurements

The cFloat Home is an indoor monitoring system and a wireless device charger. It is equipped with a temperature sensor, a humidity sensor, a pressure sensor and an air quality sensor that monitors indoor air quality.





Any Qi-compatible device placed on top of the cFloat Home will be charged by induction, thereby simplifying the charging process.



MEET YOUR CFLOAT HOME

CFLOAT HOME MONITORING SYSTEM

The cFloat Home System provides the following measurements:

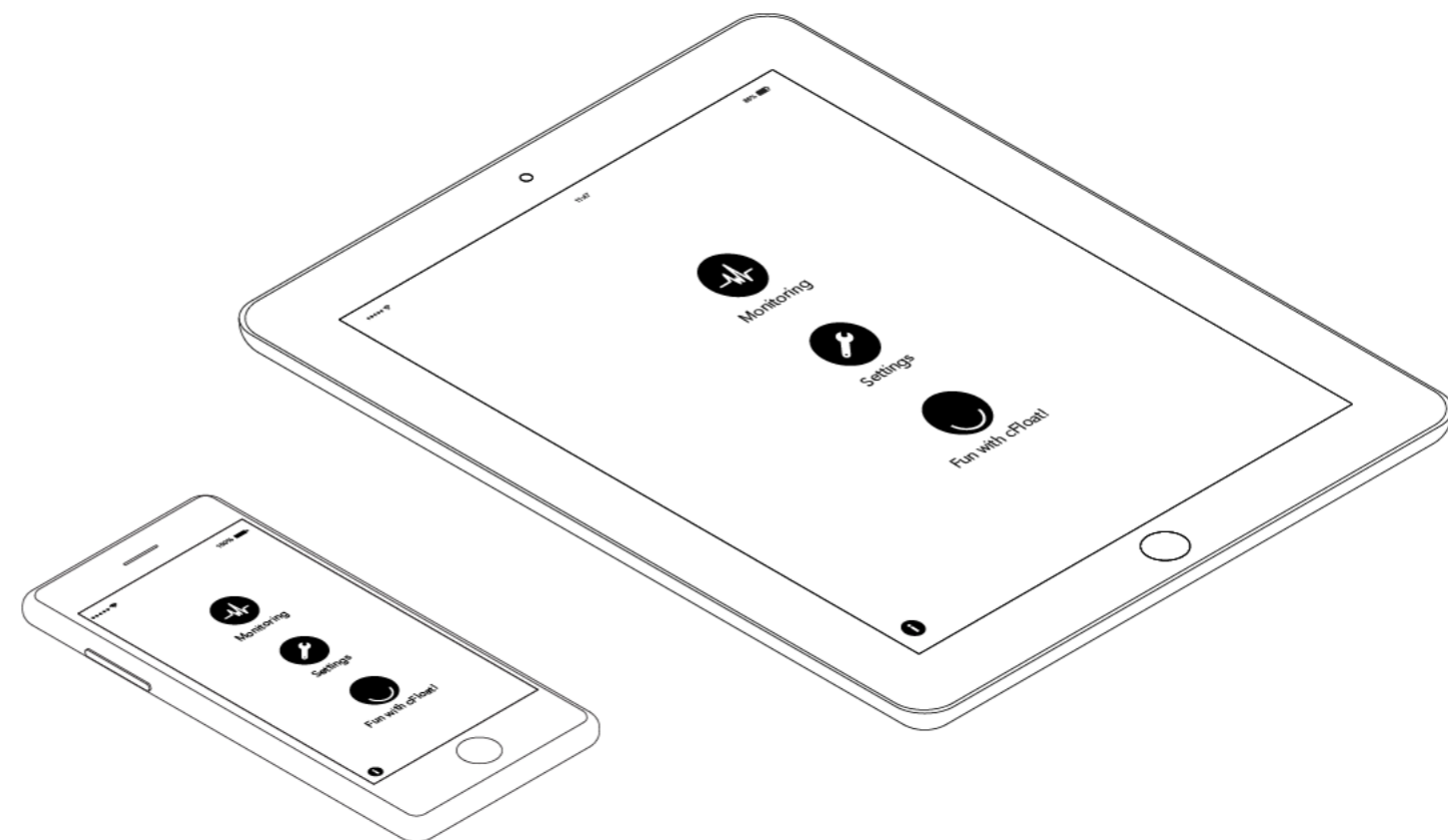
-  Air Quality
-  Humidity
-  Atmospheric Pressure
-  Air Temperature

MEET YOUR CFLOAT HOME

THE CFLOAT APP

The cFloat App is a modern and easy-to-use application that displays the data collected by the cFloat Home. The information is accessible in real time on your connected devices. With the cFloat App you can monitor your home environment, manage settings.

You can use the cFloat App on iOS and Android devices.



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The set up of the cFloat Home System should be carried out by a responsible adult.

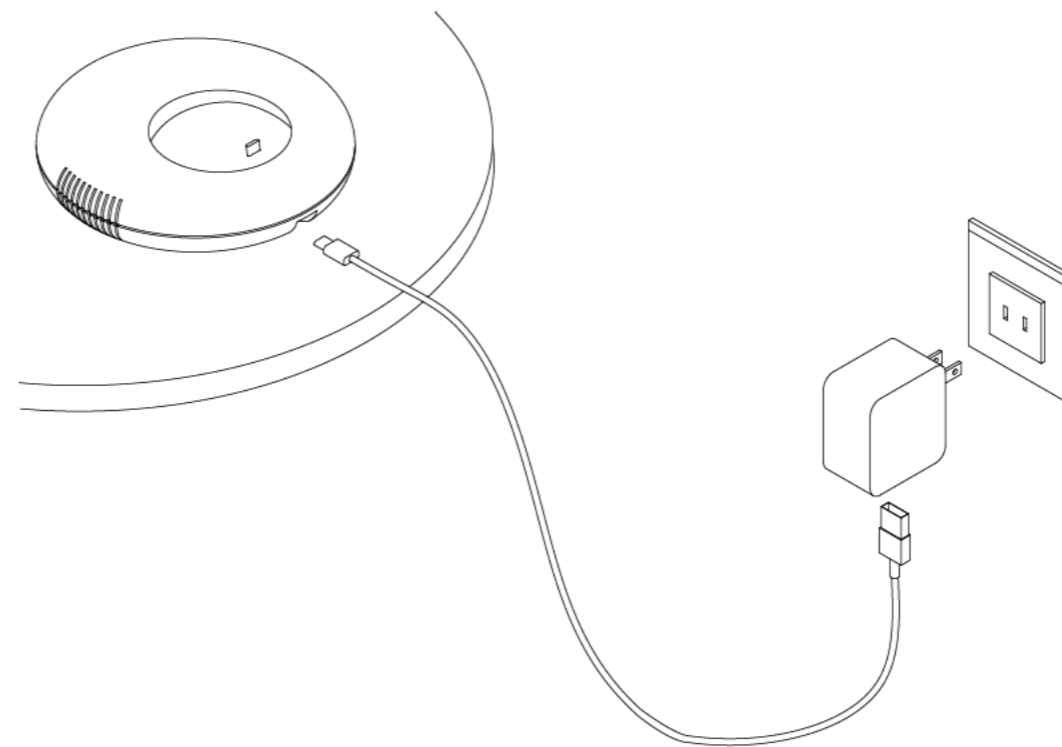
It is important to follow the next steps to properly setup and configure the cFloat System:

1. Plug in the cFloat Home
2. Download the cFloat App
3. Setup your cFloat account

CFLOAT HOME SYSTEM SETUP

STEP 1 - PLUG IN THE CFLOAT HOME

Place the cFloat Home in a room with reliable Wi-Fi connectivity. Connect the USB cable provided to the cFloat Home; then connect the cable into the power adapter provided. Plug the power adapter into an electrical wall outlet.



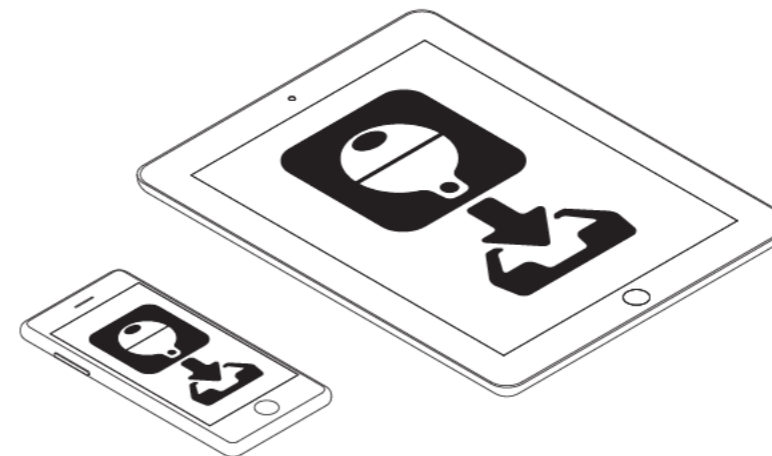
NOTE: To avoid variations in system performance, it is recommended that you use the cFloat Home USB cable and power adapter that were provided to you.

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STEP 2 - DOWNLOAD THE CFLOAT APP AND INSTALL THE SYSTEM

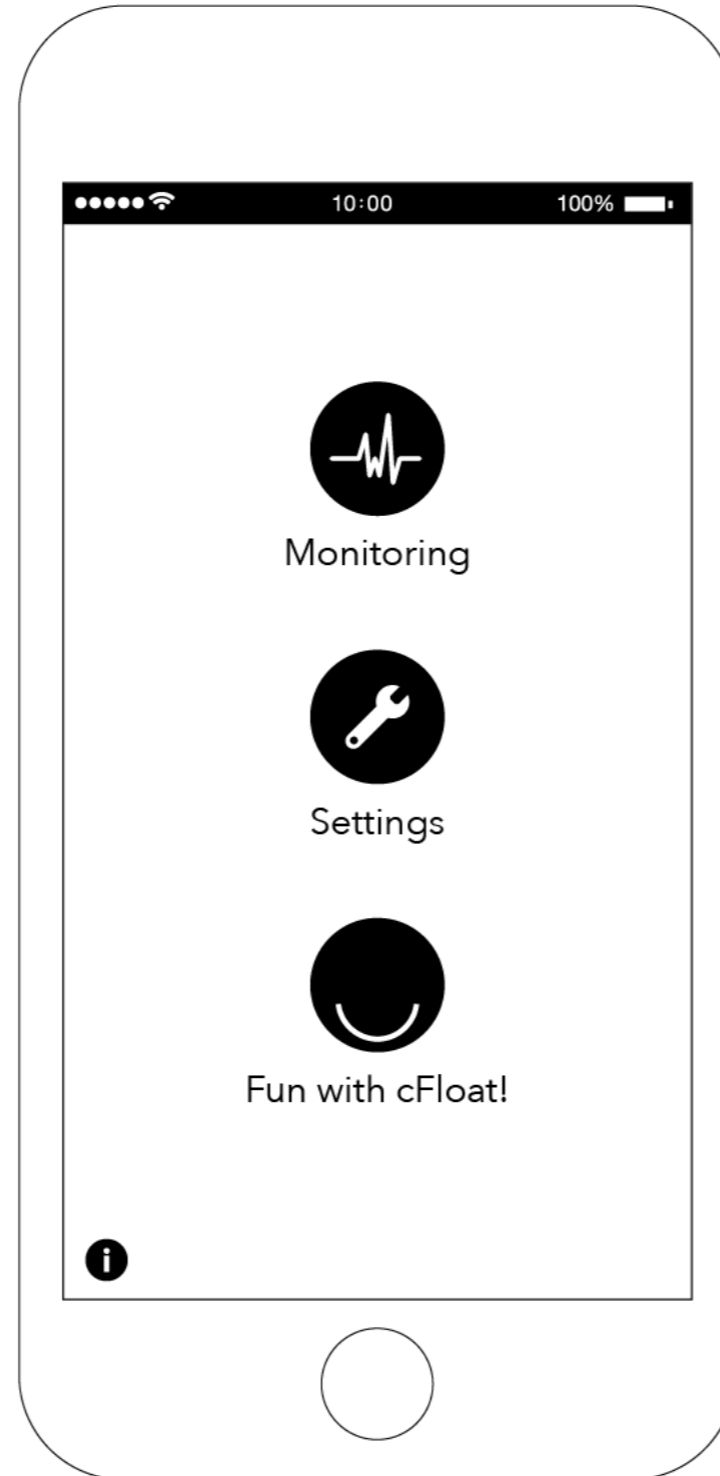
The free cFloat App is available in the Apple Store and on Google Play. Download it onto your smartphone or tablet, create an account and set up the system following the cFloat App instructions.

1. Create an account
2. Provide your Wi-Fi network name and password
3. Provide a name that will help you identify your cFloat Home
4. Allow cFloat Home to use the current GPS location
5. Connect to the 'cFloatSys-XXXX' Wi-Fi network
6. Validate your cFloat Account



OPERATING INSTRUCTIONS

HOME



After you sign in on the cFloat App, the home screen will provide two menu options:

- Monitoring
- Settings

The 'Fun with cFloat!' option is only available for cFloat systems with a buoy.

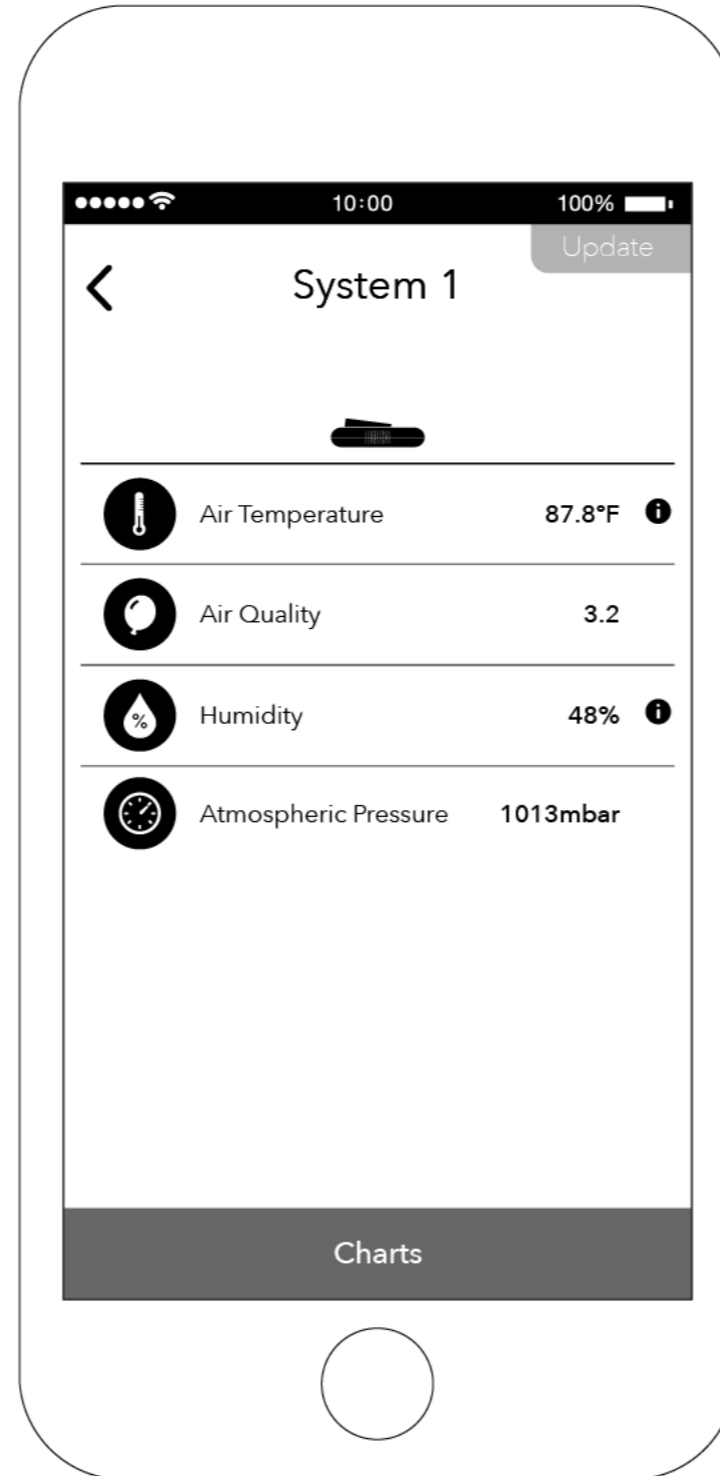
OPERATING INSTRUCTIONS

MONITORING

Selecting the 'Monitoring' menu option allows you to see the measurements recorded by the cFloat Home.

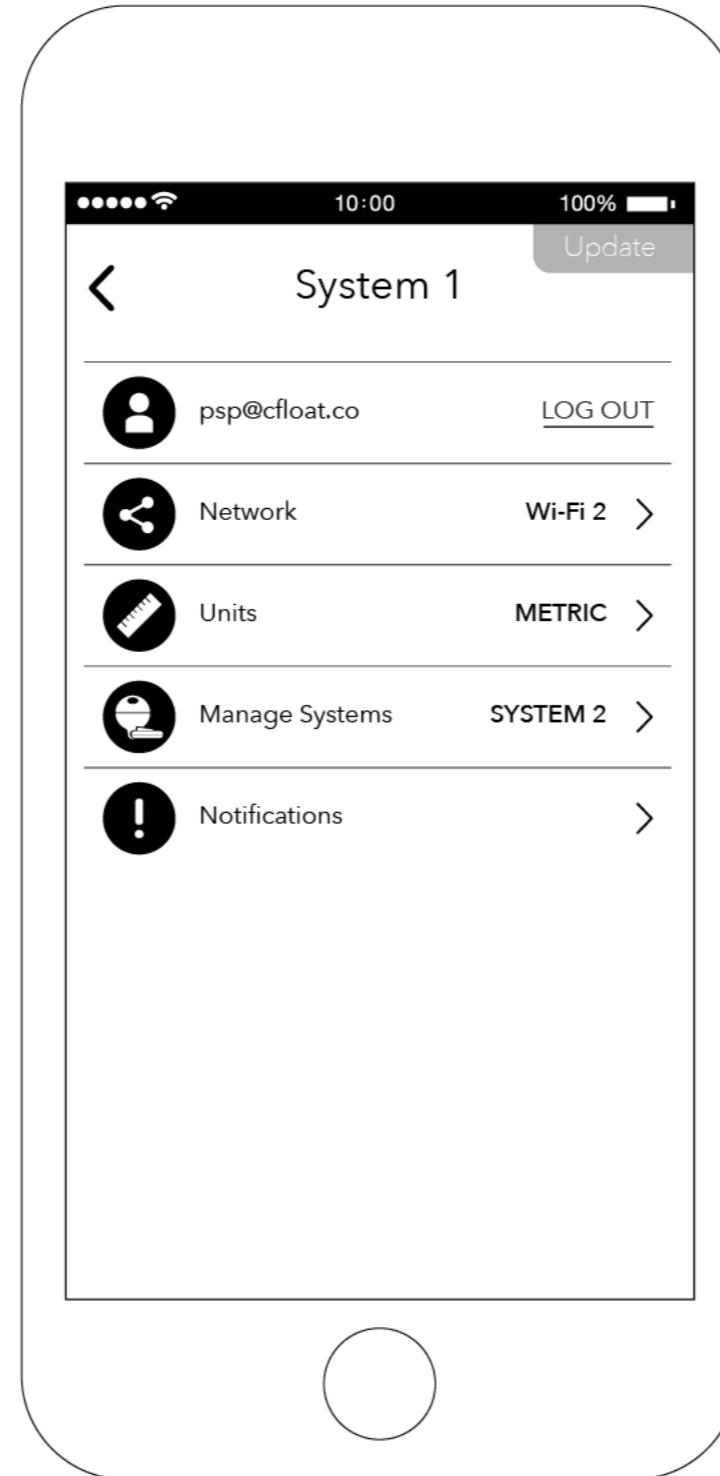
The Charts option at the bottom of the screen will allow you to see daily, weekly or monthly historical data.

When there is a firmware upgrade available an update flag will appear in the upper right corner. Click to activate the firmware update process.



OPERATING INSTRUCTIONS

SETTINGS



Selecting the '**Settings**' menu option allows you to make changes to your cFloat Home System configuration settings:

Network: View or change your network connection.

Units: Select either metric or imperial units.

Manage Systems: View, Rename or Delete your system.

Notifications: Manage your notifications settings.

Update Flag in the upper right corner: When there is a firmware upgrade available this flag will appear.

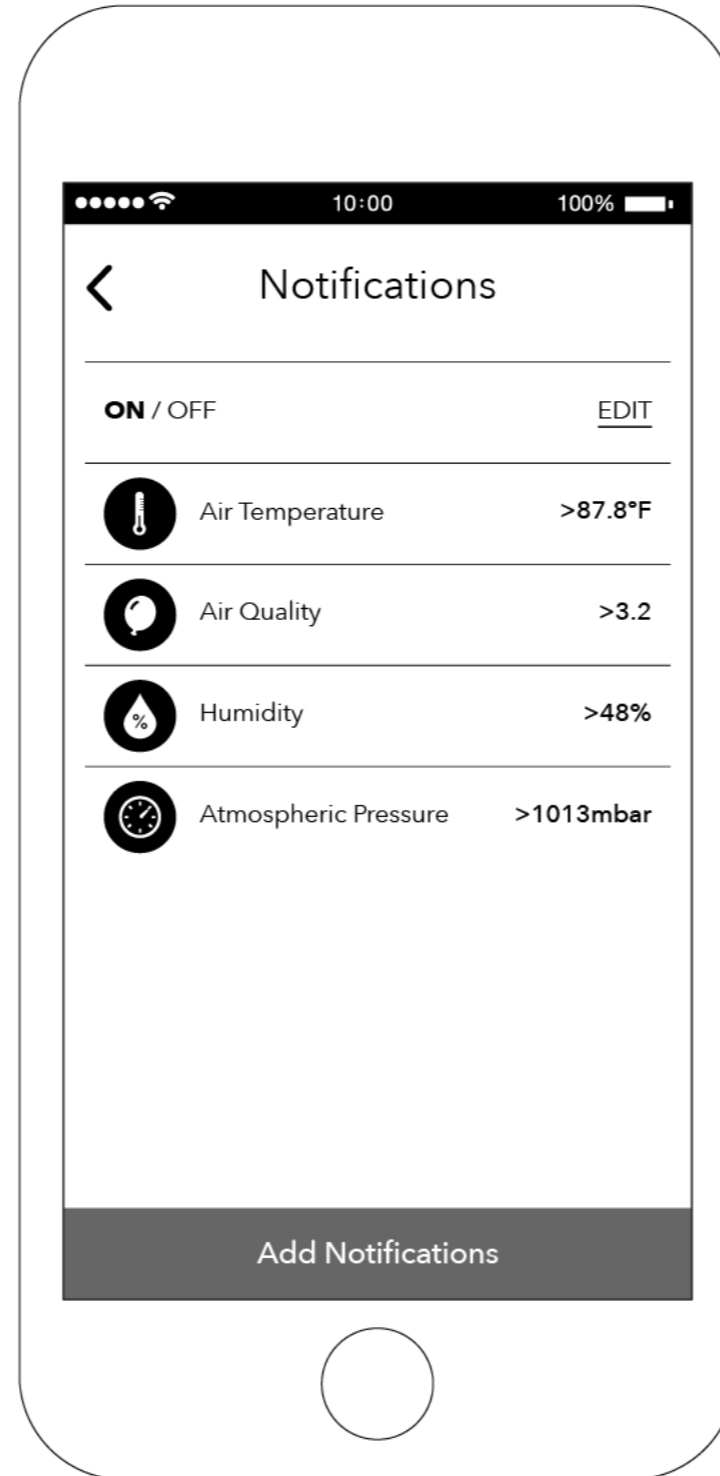
Click to activate the firmware update process.

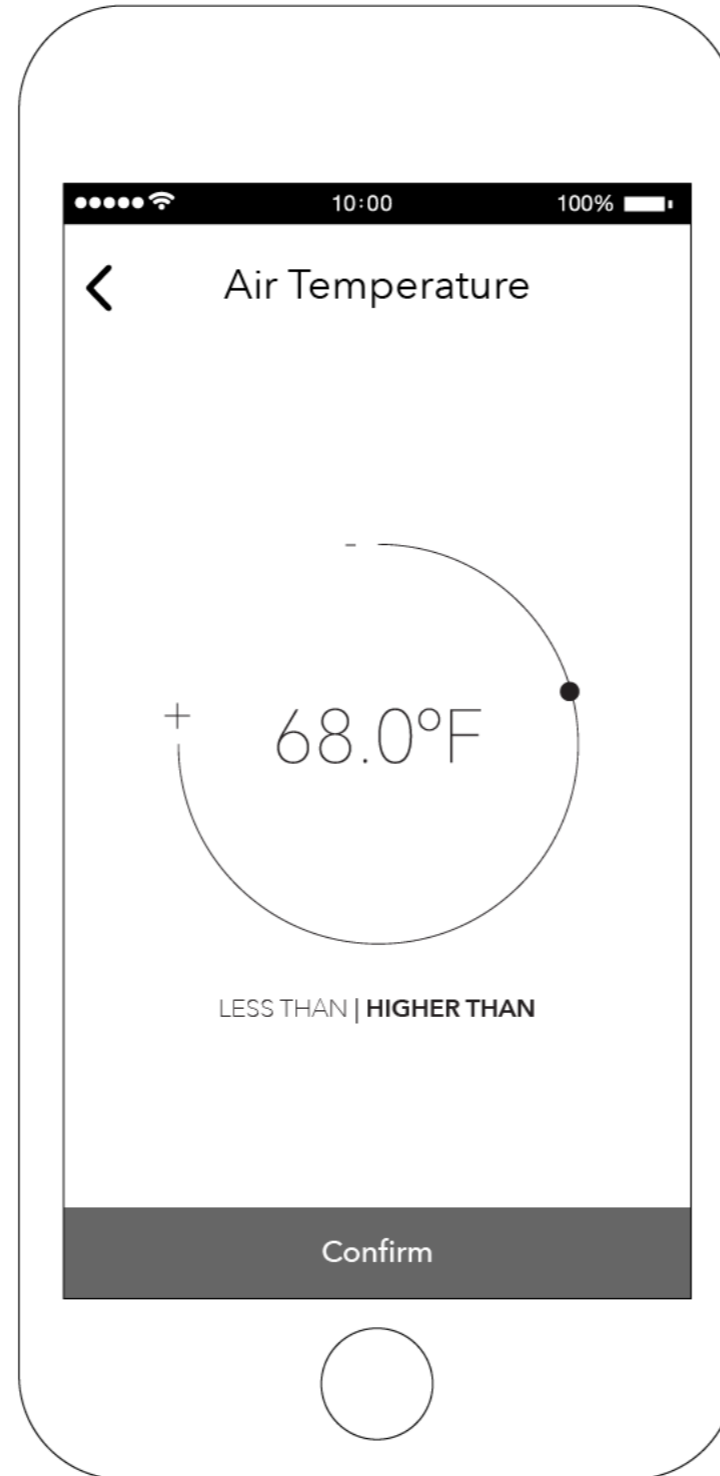
OPERATING INSTRUCTIONS

NOTIFICATIONS

Manage notifications settings

You can add or delete notifications. The 'Add Notification' option at the bottom of the screen will allow you to add notifications.





OPERATING INSTRUCTIONS

SET NOTIFICATIONS

After selecting the parameter you want to add, you must set the notification threshold value by sliding the dot to the desired value. Then select the 'LESS THAN' or 'HIGHER THAN' indicator. EXAMPLE: According to this screen, you will receive a notification when the air temperature rises above 68°F.

! WARNING: Notifications will

not be displayed:

- If the cFloat App Notifications is turned off in your devices' settings.
- If the cFloat Home is not plugged into a power outlet with the USB power adapter.
- If your home's Wi-Fi network connection is not functioning.
- If your paired devices (smartphone, tablet) are without power.

TROUBLESHOOTING THE MONITORING FUNCTION

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Some of the reasons information may be missing or not properly displayed in the Monitoring function of cFloat:

Reason 1: The cFloat Home is without power.

The cFloat Home may not be connected to the power source. Unplug the power adapter and then plug it back in.

Reason 2: The Wi-Fi signal is too weak.

If the cFloat Home is located too far from your Wi-Fi router or separated by solid obstacles such as concrete walls, the cFloat Home might not be able to transmit and receive data correctly.

In that case, please be sure to place the cFloat Home closer to your Wi-Fi router.

Reason 3: Your Wi-Fi password has changed.

If you have changed your Wi-Fi password, the cFloat Home will not be able to connect to your Wi-Fi network and upload the data to your account. Please set up your new Wi-Fi password in your cFloat Account using the cFloat App.

TROUBLESHOOTING THE MONITORING FUNCTION

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Reason 4: Internet access is down.

If the cFloat Home System can access your Wi-Fi router, but your internet access is not working, please check your internet access.

Reason 5: Inaccurate air quality readings

The first time that the cFloat Home is used, it is essential that a break-in period of 48 hours is observed where the cFloat Home is powered ON to let the sensor calibrate and set itself before accurate air quality readings will be reported. After that initial break-in, each time the cFloat Home is powered OFF, the sensor will only require 20 minutes of run in, after power ON, to once again provide accurate air quality readings.

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With the cFloat Home Qi charger you can say goodbye to twisted wires and lost charging cables. The cFloat Home wireless charging feature uses Qi Inductive Charging Technology (for Qi-compatible devices), which eliminates the need to use charging cables each time you want to charge your device.

The cFloat Home Qi charger has been certified by the Wireless Power Consortium which guarantees compatibility and proper operation with all Qi-Enabled devices that also have been certified and carry the Qi certified logo.

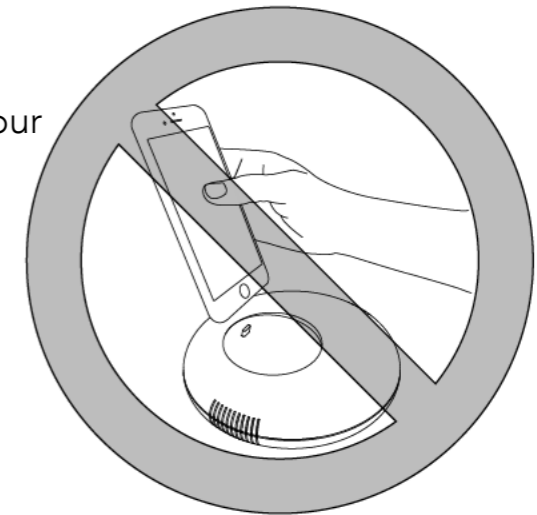
A good location for the cFloat Home is your living room, where it will always be ready to provide wireless power whenever you set your device on top of it.

When a device is placed on the cFloat Home you will hear a beep that indicates that your device is properly aligned and when a good charge alignment has been achieved.

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! WARNING: The Qi-Induction charging process generates a lot of heat both on your mobile device and on the Qi-Charger. Be mindful when you touch the charger or your device after a prolonged charging period. You should remove your device from the cFloat Qi charger as soon as charging is completed.

! WARNING: In order to use wireless charging, do not remove the charger from the cFloat Home. Do not try to charge your devices directly on the micro-USB connector of the cFloat Home.



! WARNING: Magnetic stripe cards, including credit cards, phone cards, and boarding passes, may be damaged by magnetic fields. Please keep them away from the charger.

! WARNING: Do not touch your mobile device or your charger with wet hands.

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TROUBLESHOOTING THE WIRELESS CHARGING FUNCTIONS

1. The mobile device is not charging.

Check that the mobile device is correctly placed on top of the charger. The charger uses a coil with a diameter that is approximately the same size as the charger diameter. Please consult the user manual of the mobile device to guide you in the alignment process of the charger coil with the device coil.

2. The charger is beeping continuously.

Continuous beeping indicates that an error has occurred. Please remove the device from the charger for a few seconds and position it again on top of the charger. If the problem persists, the mobile device may not be Qi-compatible.

3. The charger beeps randomly.

Random beeping indicates that the temperature on the Qi charger has exceeded its limits and signals that the unit is being disconnected and will be reconnected automatically once it cools off. Be sure that the mobile unit is properly aligned with the charger; a misalignment causes poor charging efficiency and, thus, excessive heat during the charging process. Do not keep the mobile device on top of the charger for longer than what is required to charge your device in order to prevent excessive heating.

CLEANING YOUR CFLOAT

To clean the exterior of the cFloat Home, first unplug the cord and then wipe the surface with a soft cloth. If necessary, and the surface is particularly dirty, after cleaning up the dust, you can use rubbing alcohol. Do not spray the rubbing alcohol directly onto the cFloat Home. Clean the cFloat Home with a soft cloth dampened with a small amount of rubbing alcohol.

Do not use detergents, abrasive cleaners, or other household cleaning products that may scratch the surface. Do not get the cFloat Home wet.

There are some situations where you might want to restart or reset your cFloat.

How to manually restart

Manually restarting cFloat is similar to turning off a computer instead of shutting it down. If you manually turn off and restart your cFloat System, you could lose some unsaved information.

Consequently, we only recommend a manual restart if the cFloat system has become unresponsive.

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The cFloat System can be monitored with several different devices.

The cFloat App can be installed on your smartphone, tablet and AppleTV.

	Smartphone	Tablet	AppleTV
Settings	✓	✓	✗
Monitoring	✓	✓	✓
Alarm	✓	✓	✗
Fun With cFloat!	✓	✓	✗

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The cFloat System contains no parts that the user can repair. If your cFloat needs servicing, contact the cFloat Support Team by sending an email to: support@cfloat.info

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Dispose of your cFloat in accordance with all applicable local regulations.

cFloat must be disposed of separately from general household waste.

When cFloat reaches its end of life, take it to a designated waste collection center in your area for safe disposal and recycling. This action will help conserve natural resources and protect human health and the environment.

By properly disposing of the cFloat System, you are helping to prevent harmful consequences for the environment and human health that could result from inappropriate treatment of the product.

Recycling materials protects natural resources. Do not attempt to remove the internal battery and other components yourself.

ABOUT CFLOAT MEASUREMENTS

INDOOR AIR TEMPERATURE

Home temperature monitoring ensures the comfort and safety of families, and the protection of home and valuables from damage, no matter how extreme the season is. Whether for health and allergen benefits, preventing burst water pipes, or protecting fine wines, a home temperature monitor eliminates unnecessary concerns by giving homeowners control of thermostats and temperature levels.

By monitoring indoor air temperature, homeowners can have tighter control on the cooling and heating of their home environment, ensuring family comfort while saving energy and money.

ABOUT CFLOAT MEASUREMENTS

ATMOSPHERIC PRESSURE

The air has weight, and it presses against everything it has contact with. That pressure is called atmospheric pressure, or air pressure. It is the force exerted on a surface by the air above it as gravity pulls it to Earth.

An atmosphere (atm) is a unit of measurement equal to the average air pressure at sea level at a temperature of 59 degrees Fahrenheit (15 degrees Celsius). One atmosphere is 1,013 millibars, or 29.92 inches (760 millimeters) of mercury.

As altitude increases air pressure drops. In Denali, Alaska, the air pressure is about half of air pressure on Honolulu, Hawai'i. Denali is the highest peak in North America, and Honolulu is a city at the sea level. Air pressure is an indicator of weather. When a low-pressure system moves into an area, it typically leads to cloudiness, wind, and precipitation. High-pressure systems commonly lead to fair, calm weather.

HUMIDITY

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Knowing your home's humidity level is essential to improving indoor air quality and the overall health and comfort of your home. To ensure your home's air quality, the Environmental Protection Agency (EPA) suggests maintaining proper indoor relative humidity (RH) levels to reduce the effects of many unwanted conditions associated with poor indoor air quality. Relative humidity is the ratio of water vapor in the air to the maximum amount of water vapor the air can hold at a particular temperature – (e.g. when air can hold no more moisture at a given temperature [i.e. the RH is 100%], the air is saturated).

Humidity affects both thermal comfort and indoor air quality. For example:

- High RH (very moist air) will make people feel chilled in cold weather and hot and sticky in warm weather
- Low RH (very dry air) can cause dryness and discomfort in the nose and make skin feel dry and itchy.

In addition to the direct effect on comfort, humid air:

- Facilitates the growth of fungi (mold) and bacteria that can cause respiratory problems and/or allergic reactions
- Provides the conditions for dust mite populations to grow, which can affect asthma sufferers
- Results in odors in poorly ventilated spaces because of fungal growth
- Results in condensation forming on windows, walls and ceilings that are colder than the air temperature and potentially damaging building materials.

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Indoor Air Quality (IAQ) refers to the air quality inside and around houses, especially as it relates to the health and comfort of residents.

Offensive odors, smoke and other Volatile Organic Compounds (VOCs) have impact on human comfort, productivity, quality of life, health and well-being.

Monitoring common indoor pollutants can help reduce the risk of indoor health concerns. Health effects from poor indoor air quality may be experienced immediately after exposure or years later.

There are a considerable number of possible sources of indoor pollution:

- 'Second-hand smoke' from tobacco smoking containing noxious substances
- CO, CO₂ and methane from combustion appliances cookers, boilers, open fires and portable heaters
- Formaldehyde from composite wood furniture and fittings, fabric, glues, foam insulation
- VOCs from a wide variety of sources including construction materials, paints, glues, furniture, wallpaper and draperies, household cleaning and personal care products
- Oxides of nitrogen from combustion appliances
- Ozone from electrical appliances such as; PCs, printers and photocopiers
- Bedroom - dust and dust mites, bacteria and viruses, pet dander, VOCs from personal care products

AIR QUALITY (TVOC AND ECO2)

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- Living Areas – radon from soil/bedrock, CO and NO₂ from fires and wood-burning stoves, VOCs and formaldehyde from carpets, paints, glues, furniture and air fresheners, tobacco smoke, pet dander
- Kitchen – CO, NO₂ and particulates from gas cookers/stoves, VOCs from household cleaning products
- Bathroom – mold and mildew, bacteria, VOCs and other chemicals from cleaning products
- Garage – CO from car exhaust, mold and mildew, VOCs from stored paints and solvents, pesticides and herbicides
- Attic – man-made mineral fibers, asbestos, formaldehyde, dust

The cFloat Air Quality Sensor monitors the presence of VOCs substances in the room where the cFloat Home is installed and will alert the user to the presence of a high level of toxic elements in the air that could be reduced by providing more ventilation to that room.

The first time that the cFloat Home is used, it is essential that a break-in period of 48 hours is observed where the cFloat Home is powered ON to let the sensor calibrate and set itself before accurate air quality readings will be reported. After that initial break-in, each time the cFloat Home is powered OFF, the sensor will only require 20 minutes of run in, after power ON, to once again provide accurate air quality readings.