

FLO



GROW CABINET
SYSTEM

AUTOCURING SYSTEM

Device for Automated
Bud Curing Process



USER MANUAL

AUTOCURING SYSTEM

This device is designed for automatic flower curing with the SONOFF TH ELITE ORIGIN WIFI controller, ensuring a complete curing process. A humidity and temperature sensor placed inside the jar monitors the conditions. The system is also equipped with a carbon filter that the customer can replace. Once programmed, our system maintains the ideal moisture level of the product (62%) or any other level according to the user's preference. At the right moment, it expels accumulated gases from the chlorophyll oxidation and other processes occurring during bud curing. This solution ensures the entire curing process occurs under pressure and in ideal conditions. Moisture is evenly extracted from the buds, eliminating the need to turn them periodically. The jar can hold 100-120g of product. Our auto-curing system is suitable both for curing and long-term storage.

HOW DOES IT WORK?

Our device works by pumping air under pressure into the jar and then expelling it along with moisture and unnecessary gases produced in the chlorophyll oxidation process. This process is much faster and more efficient than the traditional opening of the jar because the injected air under pressure reaches every nook and cranny of the buds. Another advantage of the system is full control over the humidity inside the jar. When we put moist flowers into the jar, they will release a lot of moisture, our sensor will react immediately and start pumping out air until it reaches a certain level. When the pump stops, the buds will release moisture again and the whole process will start again. We can notice the curing process is nearing an end by reviewing the logs in the controller. The pump will work less often at the end of curing. We can then continue the curing process, but we have to program the pump activation schedule for one to two hours per week. We must then install a non-return valve between the jar and the filter chamber to protect our material from excessive drying and to seal the system.

It is important not to throw flowers that are too dry into the jar, then the curing process will not take place properly. They can be re-moisturized by gently spraying them with distilled water and closing them in the jar for a few hours so that the water is reabsorbed into the flowers.

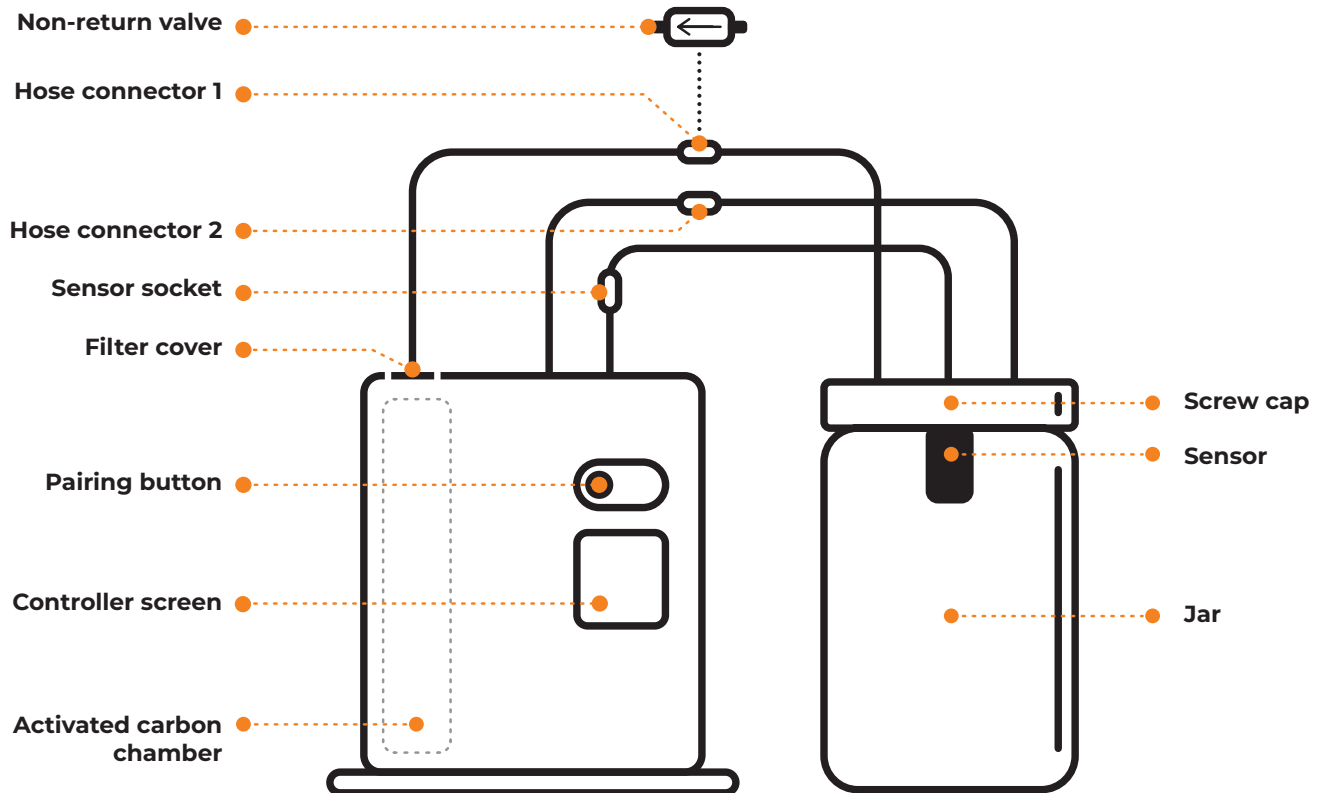
When we throw moist buds into the jar, the application should indicate humidity in the range of 70-90%. This humidity is ideal for the curing process in our jar.

INSTALLATION

1. Install the controller app and register according to the instructions in the link: (make sure your phone has GPS and Bluetooth turned on and you are connected to your home WIFI network)

<https://sonoff.tech/product-document/diy-smart-switches-doc/th-elite-doc/>

2. Connect the sensor and hoses (it does not matter which to which).



USAGE



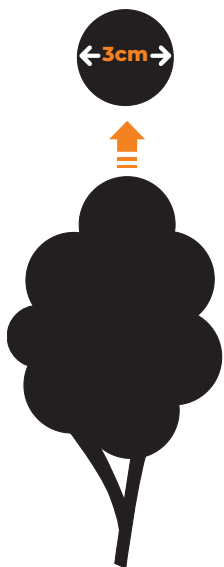
1.

Dry the flowers for about 3-4 days or until they are dry outside and the stems do not snap when broken. The right time to put the buds in the jar is when about 80% of the plant is completely dry.



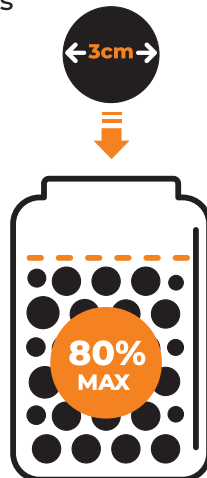
2.

Open the lid.



3.

Remove all stems and leaves from the flowers that do not have resin on them. Cut the flowers to a 3 cm diameter.

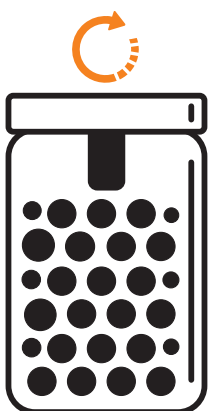


4.

Place the buds in the jar, but make sure you don't exceed 80% of its

! After putting the flowers into the jar and closing it, check its moisture content. Go to the EWELINK application and see the humidity reading. If it is in the range of 70-90%, the flowers will be ideally suited for the curing process.

After closing the jar, the buds should "sweat" after a few hours and you will be able to feel that they are wet on the outside - this is normal. If the moisture reading shows more than 90% moisture, then the buds should be dried more.



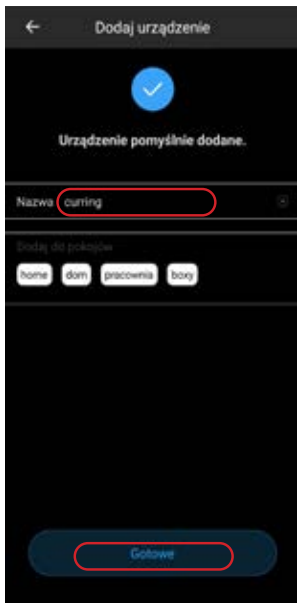
5.

Screw on the lid. Turn on the EWELINK app and proceed to program your curing process. Keep the device and buds in a dark place!

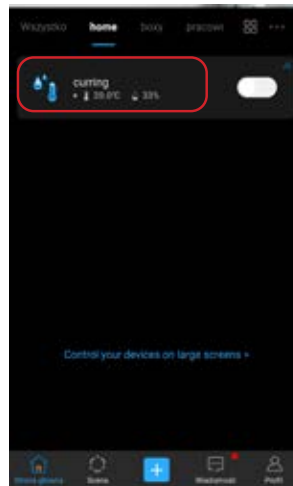


The set includes a non-return valve. Once you have completed the entire monthly curing process, replace it with the "tube connector 1" to protect the flowers from drying out by sealing the entire system. The valve should be directed with the arrow to the carbon filter cover. For further storage of flowers, it is recommended to add the "INTEGRA BOOST 62% 67g" humidity regulator to the jar for 450g of bud mass.

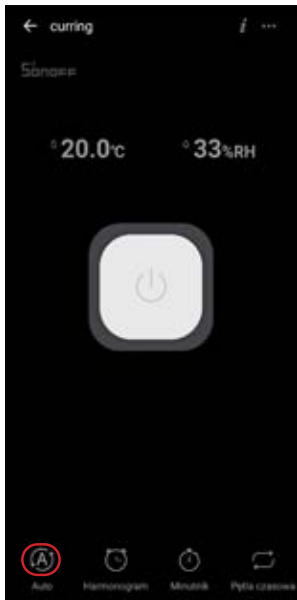
PROGRAMMING THE CONTROLLER



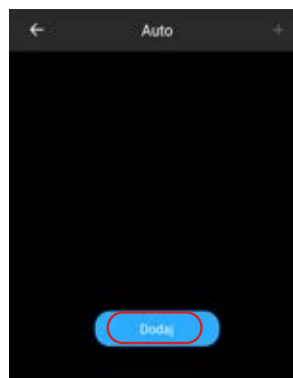
1. Change the name to curing or whatever you want. Press „Done”



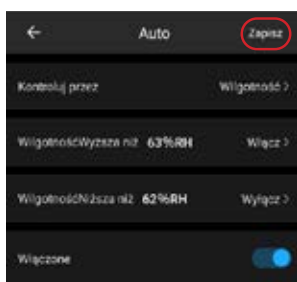
2. Access the controller options by clicking on it.



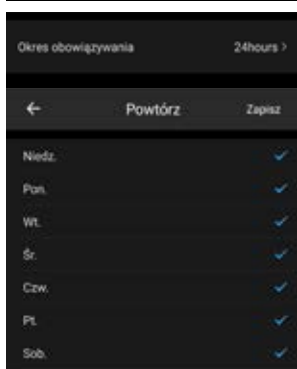
3. The controller should show the temperature and humidity. If not, please turn the app off and on or turn your phone off and on. Then, on this screen, press the „AUTO” button.



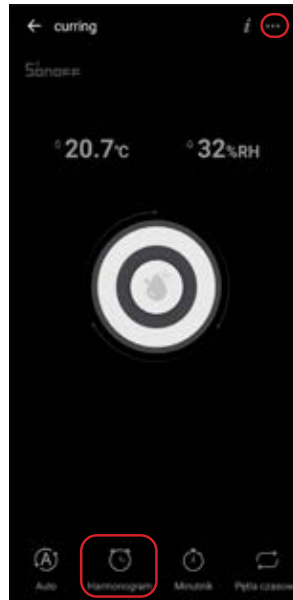
4. Press “add”



5. Set the fields and values as shown on this screen. Then press „Save” If an additional field of 24 hours is displayed, you should enter this field and select all the days of the week, and finally click „Save”



If an additional field of 24 hours is displayed, you should enter this field and select all the days of the week, and finally click „Save”.



6. Then control the humidity, it should increase to >65-70%. Observe in the first few days whether there are any mold spots on the flowers. If you have dried the tomatoes too much, then after closing the jar, after a few hours, the reading will be below 62%. Throw in one or two sachets of „INTEGRA BOOST 62% 67g Moisture regulator” for each 450g of buds. The flowers will be ready in about a month. You can check the pumping cycle process in the controller menu (red field „three dots” in the upper right corner) and go to the „Logs” option. The cycles will be reduced to one per day or one every few days. The process can be continued all the time by adding sachets of INTEGRA to increase humidity or turning off the AUTO mode and after a month or a month and a half turn on the „Schedule” and setting it for 1 or 2 hours per week in this menu.

We can also automate the curing process, through the Schedule. Automatic mode must be turned off. We set the schedule according to our needs. Each hour of the device's operation corresponds to opening a jar for an hour.

CARBON EXCHANGE



In the device, we can independently replace the „activated carbon for air filters“. We replace it when the room noticeably smells of dried herbs. First, we need to unscrew and pull out the filter cover, pour out the old carbon, and pour in fresh.

CALIBRATING THE



We use an excellent-quality sensor in the device. We check them all before shipping against the reference hygrometer. Our system does not need additional calibration. The application is equipped with a calibration option. Calibration of the sensor by the user may cause the risk of an incorrect curing process.

HELP AND SUPPORT

We also encourage you to use our help online 24/h using the encrypted SIGNAL messenger available in Google Play or Appstore. After registration, please add a user with the number +48 608 429 787 and write us a message. We will contact you as soon as possible :)
The preferred language of communication is English.