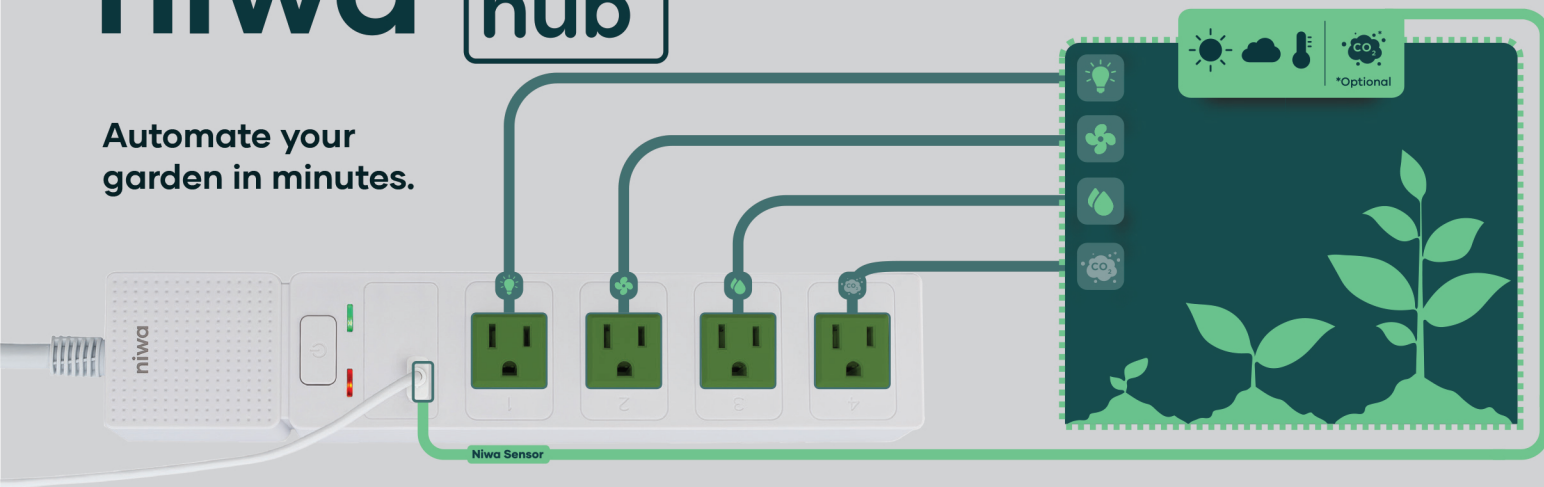


# niwa

## GROW hub+

Automate your garden in minutes.

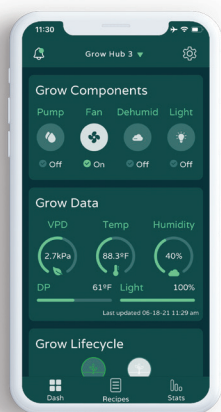


The Niwa Grow Hub+ offers great value with the ability to monitor and control your environment's VPD, climate (temperature & humidity), and offers automated watering, light and fan schedules for home growers at an affordable price.

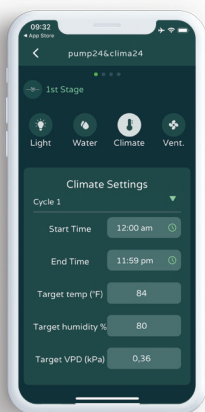
With the goal of reducing stress and enhancing your garden's performance while maintaining a stabled growing environment. Our powerful software enables growers to automate their setups in a simple way- just assign your existing devices (such as lamps, fans, humidifiers\*, dehumidifiers\*, A/C remote triggers\*, water pumps, CO2 devices and heaters) to the designated outlet within the Niwa Grow Hub+.

Get connected and begin your journey to automating your garden!

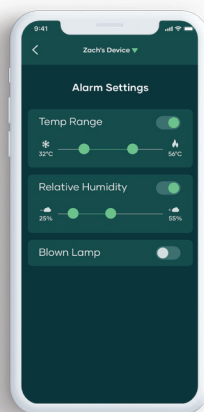
\*Any grower with a Grow Hub needs to be aware of the in-rush current larger pieces of equipment need to operate. Please contact customer service (support@getniwa.com) to discuss in detail or if you have any doubts.



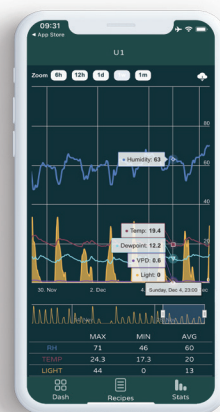
Check the current status of your garden's environment by glancing at your live dashboard, anytime, anywhere. You can also, from your dashboard, engage in our 'manual' mode, perfect for maintenance.



Within your recipe section, create your own 'Grow Recipe' and personalize your growing environment for your garden. Parameters such as VPD, temperature, humidity, watering, light and fan schedules are completely customizable.



The Niwa app will notify you if something goes wrong in your garden. Temperatures and humidity that are out of range and lamp malfunction are some of the possible alerts you can receive to keep your garden safe, healthy and thriving.



Logging & reviewing different parameters affecting your garden is fundamental in order to achieve maximum performance. The Grow Hub app has a built-in data logger accessible anytime and also send a report to your email for review.

**Control up to 4 devices:**

- 💡 Lights
- 🌀 Fans
- 💧 Watering Pump

- 🔥 Heater
- ❄️ Cooler (A/C)
- 💧 Humidifier
- 🌀 Dehumidifier

**Included sensors:**

- 🌫️ Vapor Pressure Deficit
- 🌡️ Temperature
- 💡 Light Levels
- 🌫️ Relative Humidity

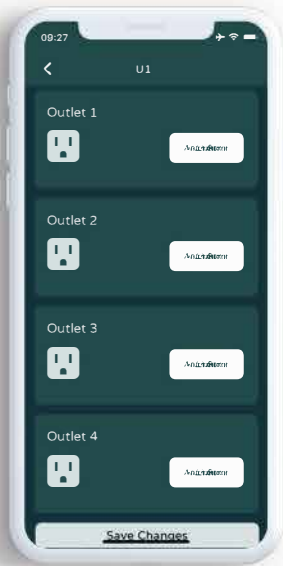
**Optional Sensor:**

- 🌫️ CO2
- \*Sold separately

Distributed by HYDROFARM

# niwa GROW hub+

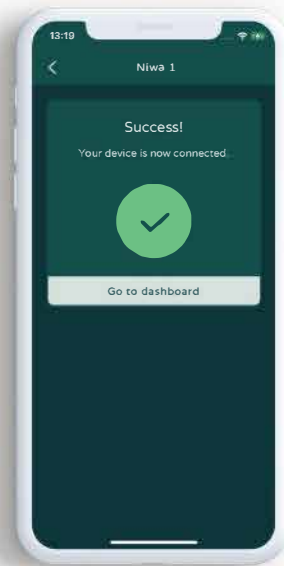
The all-in-one smart garden controller



Each garden setup is different, so assign up to four of the following pieces of equipment at the same time within your Grow Hub+ app.

- 💡 Lamps
- 🌀 Fans
- 💧 Watering Pump
- 🔥 Heater
- ❄️ A/C Trigger
- +💧 Humidifier
- 💧 Dehumidifier
- 🌫️ CO2 Device

Each outlet is capable of handling up to 15A (resistive load) at 120V for a total of 15A MAX for the entire Grow Hub+. More powerful pieces of equipment (i.e. larger inrush currents) should be managed with accessories such as relays and contactors (not included).



The Niwa Grow Hub incorporates a WiFi 2.4GHz standard to guarantee growers have access to their gardens from anywhere, at any time. Additionally, strict security protocols are built into our software to guarantee absolute privacy and protection.

## Helpful Grow Hub+ Tips

**When I plug my equipment into the Grow Hub+ (once connected) do my devices automatically turn on?**

Your custom Grow Recipe is the brains behind managing the different pieces of equipment you assign to your Grow Hub+. Additionally, within your dashboard, you can switch to our 'manual mode' and turn outlets ON/OFF (recommended for maintenance only).

**How does the Grow Hub+ regulate climate control?**

- One of the climate systems is for managing temperature, which operates A/C triggers (or fan if no A/C assigned) and heaters based on the current temperature readings and target. For example, the A/C (or fan), will be turned on when the temp is above target and the heater will be turned on if the temperature is below target.

- The second climate system manages relative humidity, and it activates the humidifier, the dehumidifier (or fan if there is no dehumidifier assigned) based on the current humidity readings and the humidity target.

**Can I manage equipment that exceeds the 15A per outlet capacity?**

You can but you must incorporate relays, trigger cords or contactors into your garden setup. We recommend growers speak to a licensed electrician for any use of relays and contactors and message us at [support@getniwa.com](mailto:support@getniwa.com) for any questions you have.

**Can I have more than (1) Niwa Grow Hub on my registered account?**

Yes, you can add multiple Niwa Grow Hubs (up to 10 devices) to an existing user account. Each Grow Hub will manage it's own custom settings & environment independent of your other connected Grow Hubs. Perfect for growers with multiple grow tents!

Thanks to the flexibility of the Niwa platform, home growers can start with a basic setup (lamp + fan) and scale their garden later by adding different pieces of equipment (LEDs, heaters, water pumps, etc), or even adding multiple Grow Hubs if you have multiple garden setups.

## Technical Specs

- Customizable grow recipes to control your indoor garden setup.
- Wirelessly connect with Niwa Grow devices
- Customizable grow data charts
- Customizable grow alarms
- Download grow data instantly
- 4 x configurable power outlets
- Max load: 15A total 120-240V
- OTA Firmware updates
- 2.4G WiFi

