MultiGrow.

When you have multiple growing areas, you need a controller capable of handling each zone individually, but with one user interface.

The MultiGrow is fully customizable and configured to your needs, so you only pay for what you need. The products are time-tested and proven in greenhouses, protected cropping, warehouses, and grow rooms. The experts who will help you with the installation and programming of your MultiGrow have over three decades of greenhouse automation knowledge between them and our ongoing technical support and customer service team are world class.

Why MultiGrow?

- It's fully customizable
- It's perfect for multiple crop types
- It's flexible – you can put sensors and output modules where you need them

Autogrow

8 zones - 1 controller

Our MultiGrow can run up to 8 different growing zones, managing the environment as well as your reservoirs and irrigation schedules. While the sensors are constantly monitoring every aspect of your growth, the unit is data logging and making adjustments to create your perfect environment.

Remote management

All locations controlled by a MultiGrow can be accessed through our secure portal at my.autogrow.com. This portal gives you complete visibility 24 hours a day, and enables you to manage multiple locations from the comfort of your office, using a single login.

Disaster proof

All settings and data are backed up daily to our secure servers, allowing rapid reinstatement in the event of a failure, reducing the risk of data loss, and preserving all your configuration settings.

Support tools

Autogrow's tech support team can log into the MultiGrow to deploy software updates, provide training, and diagnose any faults in the field, eliminating the need for costly site visits.

Safe and secure remote access

The MultiGrow is accessible via your web browser, so you can control your grow remotely from your phone, tablet or computer. A dual level login gives you peace of mind that your information is secure. With the ability to set 4 different access levels, you can ensure employees only have access to what they need.

Simple user interface

The MultiGrow uses terminology you will understand with easy-to-navigate menus, simple data logging screens and smooth remote access.

Alerts and alarms

The MultiGrow can send notifications to multiple users via email and text message when a warning or alarm is triggered. Each user can set their own parameters, ensuring they are only notified of situations important to them.

Easily installed

The MultiGrow is easily installed, using an RS485 network from the MultiGrow computer, to EnviroSensors, output modules and remote sensors. Each component has a unique address, so you can determine the simplest install and set-up for your specific situation.

Sensors

Utilizing the constant input from the sensors, the MultiGrow makes the most efficient decisions on how to manage your environment based on your set-points. All peripherals work with the MultiGrow, from a simple fan plugged into a relay box to hundreds of lights hardwired to the system.

Scalable and future-proof

Add or change modules over time and easily swap out parts for upgrade or maintenance.

Retrofit

Place output modules near what you're controlling and leverage existing wiring infrastructure.

Value

Stop paying for bundled features in your hardware that you never use.

Adaptable

Connect a combination of sensors to capture the information you want.

MultiGrow.

Monitoring

The EnviroSensor monitors:

- Temperature
- Humidity
- Light levels
- CO_2 (PRO version)

The remote sensor monitors:

- Nutrient concentration
- pH
- Moisture levels
- Temperature

Control

- Passive cooling (vent control)
- Cooling pad/wet wall
- Fertigation (direct injection)
- Hydronic heating
- Multiple light banks
- CO_2
- Air conditioner
- Heater
- Dehumidifier
- Humidifier
- Extraction fans
- Foggers
- Batch dosing systems (up to 50 recipes)
- Continuous dose systems (up to 8 different reservoirs)
- Dosing of up to 10 different nutrients/additives plus pH adjuster, per reservoir or recipe
- Irrigation - using accumulated solar radiation, via schedule or rootzone moisture content
- Heater or chiller to maintain ideal reservoir temperature

Technical information

Output modules

Our modules have 10 relays which can be used to directly drive devices such as dosing pumps and switch on larger equipment. Can be set up for automation but also has full hardware override – meaning that you can always take control.

Inputs

- RS485 to communicate with controller
- Power input 12/24V (AC or DC)

Outputs

- 10A relays
- Output voltage matches input voltage

Limitations

- The MultiGrow can connect to up to 32 of any particular module simultaneously. 32 output modules would provide up to 320 individual outputs, and you could also connect 32 nutrient probes and 32 environment sensors at the same time. The mix of these modules depends on how you grow, what you grow, and what other equipment you have. Your Autogrow dealer will help guide you through these decisions
- One MultiGrow can control up to 8 compartments
- The modules are all connected via an RS485 daisy chain. The maximum total length of this chain is 1.6km. Expansion options are available beyond that

Let's talk.

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