

POWERING AND SETUP

SMART CONTROLLER (A1)

SENSOR PROBE (A2)

USB MAX PRO F ADAPTER (A3)

WOOD SCREWS (HALL HANES) (A4)

CABLE LOCK (A5)

WIRE TIE (A6)

CONTROLLER PLATE DOWLS (A7)

HEX SCREWS (A8)

STEP 1

Plug your sensor probe into the controller's 3.5mm jack. Set the probe near your plants in your grow tent for the most accurate reading.

STEP 2

Plug your device's USB connector into the controller's ports to connect and power the controller.

STEP 3

Plug your USB device's power cord into an AC power outlet to power it.

You may use the included tie mounts and wire ties to manage the cords.

OVERVIEW

POINTS

MODE

PROBE TEMP.

PROBE VPD

ALERT ICONS

CURRENT TIME

CURRENT LEVEL

COUNTDOWN

PROBE HUMIDITY

USER SETTINGS

1. Port Button - Cycles through all connected devices.

2. Mode Button - Cycles through the controller's programming modes.

3. Setting Buttons - Cycles through the controller settings.

4. Up/Down Buttons - Adjusts the parameters of the mode or setting you are in.

ENVIRONMENTAL GUIDE

Use either VPD or Temperature as a guide when programming your device.

Plant Stage	VPD	Temperature	Relative Humidity	Light Duration
Germination	0.2-0.8 kPa	70°-80°F (21°-27°C)	70%-80%	13+ Hours/Day
Seedling	0.8-1.1 kPa	70°-80°F (21°-27°C)	60%-70%	13+ Hours/Day
Vegetative	0.8-1.4 kPa	70°-80°F (21°-27°C)	50%-70%	13+ Hours/Day
Flowering	0.8-1.8 kPa	70°-80°F (21°-27°C)	40%-60%	12 Hours/Day

OVERVIEW

Use the following steps to select the ideal programming for your device. Each port can run only one mode. Each mode's functionality can be affected by certain controller settings.

1. Select a PORT

2. Select a MODE program for the port to run

3. Review PROGRAMMING that may affect modes

4. Review SETTINGS that may affect modes

5. Transition Setting (pg. 8) Affects AUTO and VPD Modes

6. Buffer Setting (pg. 8) Affects AUTO and VPD Modes

7. SCHEDULE Mode (pg. 8)

Return to resume programming

Modes

OFF MODE (MIN LEVEL) / ON MODE (MAX LEVEL)

OFF MODE: Sets the minimum level your device will run at in all other modes.

ON MODE: Sets the maximum level your device will run at in all other modes.

MIN LEVEL: 1 2 3 4 5 6 7 8 9 10

MAX LEVEL: 1 2 3 4 5 6 7 8 9 10

AUTO MODE: All four triggers can activate and run simultaneously. Turn off any triggers not in use by holding down the up and down buttons together.

HIGH TEMP. TRIGGER: FOLN (CLOCKWISE) FOLN: Activates your device if temperature levels meet or exceed your set figure.

LOW TEMP. TRIGGER: FOLN (CLOCKWISE) FOLN: Activates your device if temperature levels meet or fall below your set figure.

HIGH HUMID. TRIGGER: FOLN (CLOCKWISE) FOLN: Activates your device if relative humidity levels meet or exceed your set figure.

LOW HUMID. TRIGGER: FOLN (CLOCKWISE) FOLN: Activates your device if relative humidity levels meet or fall below your set figure.

Modes

VPD MODE

Measures the ambient temperature, relative humidity, and your plant's leaf temperature. Monitoring this will help you create the ideal transpiration rate for your plant to ensure a steady flow of nutrients from its roots to the rest of its anatomy. VPD Mode is specifically designed for grow applications.

HIGH VPD TRIGGER: Activates your device if VPD levels meet or exceed your set figure.

LOW VPD TRIGGER: Activates your device if VPD levels meet or fall below your set figure.

TIMER TO ON MODE: Sets a timer that will turn on your device at the end of the countdown. This mode will not repeat automatically but must be reset.

TIMER TO OFF MODE: Sets a timer that will turn off your device at the end of the countdown. This mode will not repeat automatically but must be reset.

SCHEDULE MODE: Sets a daily schedule for your device to trigger on and off. Both ON and OFF clock times must be set in order for your device to be properly scheduled. The controller clock time must also be set under Settings in order for your device to properly follow schedules.

In this example, the ON time is set to 3 AM and the OFF time is set to 7 PM. This will trigger your device to run between 3 AM to 7 PM on a daily basis while you remain in this mode.

SETTINGS

DISPLAY SETTING

Adjusts display brightness and auto-dimming. Cycle through levels 1, 2, 3, A2 and A3. A2 and A3 set the brightness level at 2 and 3, respectively, dimming to level 1 after 15 seconds of inactivity.

F/C SETTING

Changes the displayed units to Fahrenheit or Celsius. All displayed units automatically convert when adjusting this setting.

CLOCK SETTING

Adjusts the current clock time. Cycling through 12:00 will automatically change the units to AM or PM.

CALIBRATION SETTINGS

Adjusts the temp. and humidity readings the sensor probe is measuring. The calibration cycle ranges from -20°F to 20°F (or -10°C to 10°C) for temp. and -10% to 10% for humidity.

VPD LEAF OFFSET

Adjusts the sensor probe's VPD reading in 1° increments. The calibration cycle ranges from -20°F to 20°F (or -10°C to 10°C).

Screen elements are enlarged for display purposes only.

SETTINGS

TRANSITION SETTINGS

The transition setting adjusts how your device will shift between levels when triggered to run in AUTO Mode temperature and/or humidity or VPD Mode. In high triggers, this will create intervals above your set trigger point. In low triggers, this will create intervals below your set trigger point.

For each interval the probe reading passes, your device's level will adjust by one. Please note your device's levels will be limited by your min and max level settings.

Current Temp: 72°F High Temp Trigger: 80°F Transition Setting: +2°F Level: OFF

Current Humidity: 60% Low Humid Trigger: 50% Transition Setting: -5% Level: ON

SETTINGS

BUFFER SETTINGS

The buffer setting creates a gap from your AUTO Mode temperature, humidity, and VPD triggers. This sets a separate trigger-off point to keep your device from triggering too quickly due to small fluctuations.

Write a buffer setting as above, your device will stay on after triggering, remaining on even after the reading falls below your set trigger point. Your device will only turn off when the reading falls below the separate trigger-off point.

HIGH TRIGGERS

In this example, your set trigger point is 80°F and buffer setting is 2°F. After turning on, your device will stay on until the temperature reaches 82°F.

LOW TRIGGERS

In this example, your set trigger point is 50% and buffer setting is 5%. After turning on, your device will stay on until the temperature reaches 55%.

CONTROLLER SHORTCUTS

FACTORY RESET

Hold the mode, up, and down buttons together for 5 seconds to reset your controller and restore factory settings.

CONTROLLER LOCK

Hold the setting button to lock your controller in its current mode. Hold the setting button to unlock your controller.

HIDE SCREEN

Lock your controller so no settings can be adjusted. See above. Then press the setting button to turn the display off. Pressing it again will turn the display back on.

JUMP TO OFF MODE

Hold the mode button for 3 seconds in any mode or setting to automatically jump to Off Mode.

RESET TO OFF/DEFAULT

Hold the up and down buttons together for 2 seconds to reset the value of your current mode or controller setting.

AUTO INCREASING OR DECREASING

Hold the up or down button to increase or decrease the user setting automatically until you release them.

MORE INFORMATION

Visit our website at [www.acinfinity.com](http://www.acinfinity.com) for more information on how to program CONTROLLER 69 PRO+.

FAQ

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WARRANTY

Our warranty program is our commitment to you, the original customer. Your product sold by AC Infinity Inc. will be free from defects for TWO YEARS from the date of purchase. If you have any issues with this product, contact us and we'll happily resolve your problem or issue a full refund.

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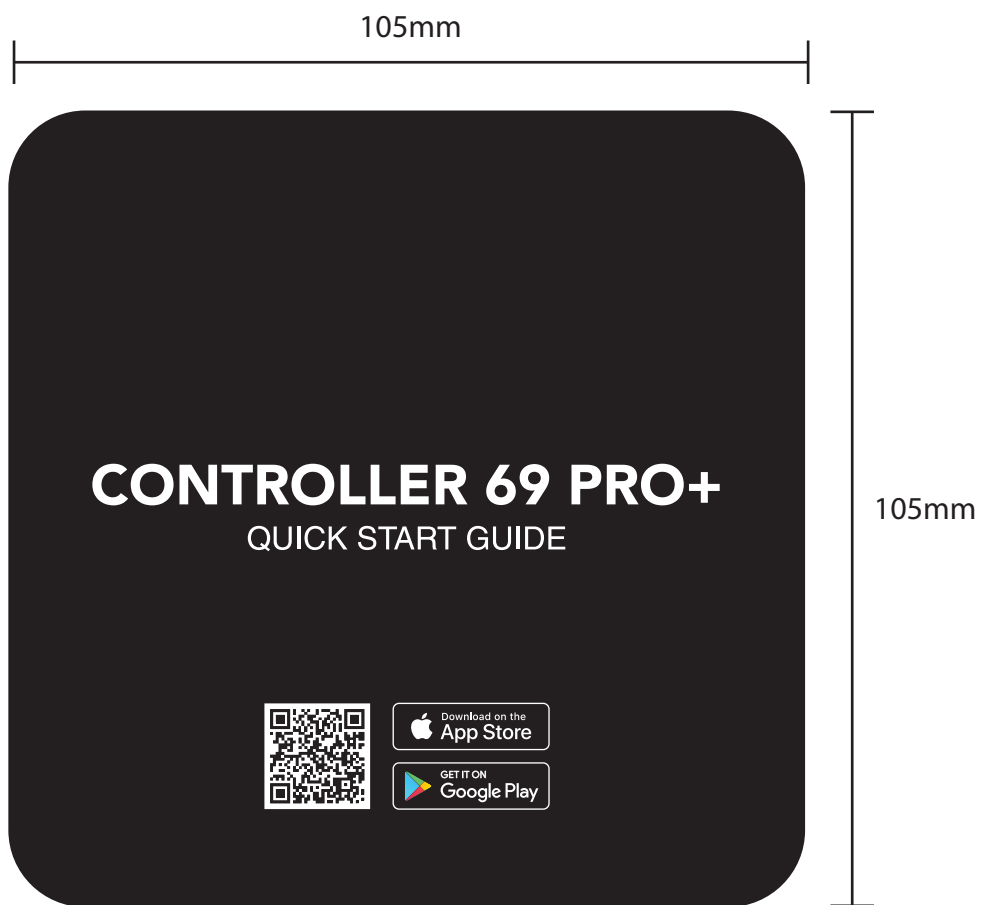
CONTROLLER 69 PRO+

QUICK START GUIDE

QR Code

Download on the App Store

GET IT ON Google Play



CORNER RADIUS: 10mm

Warning:

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance of 20cm to the operator's body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.