Manuals+
Q & A | Deep Search | Upload

AC Infinity CTR69Q

AC Infinity Controller 69 PRO+ User Manual

Model: CTR69Q | Brand: AC Infinity

Introduction

The AC Infinity Controller 69 PRO+ is a smart environmental controller designed to provide advanced control over your grow environment. This manual provides detailed instructions for setting up, operating, and maintaining your controller to ensure optimal performance.

Image: The AC Infinity Controller 69 PRO+ unit, its accompanying smartphone application interface, and the environmental sensor probe.

Product Overview

The Controller 69 PRO+ integrates with AC Infinity's UIS devices to create a comprehensive environmental control system. It allows for precise management of temperature, humidity, and VPD (Vapor Pressure Deficit) within your grow space.

Image: Diagram illustrating the AC Infinity Ecosystem, showing the Controller 69 PRO+ connected to Cloudray Series fans, Ionframe Series LED grow lights, and UIS Control Plugs for other devices.

Key Features

- Control up to eight devices, each with independent programming.
- Automate devices based on temperature, humidity, and VPD.
- Includes grow cycles, scheduling, timers, minimum levels, and custom transitions.
- Bluetooth and WiFi connectivity for app control, advanced programs, alarms, notifications, and climate data viewing.
- Thermal-alloy probe for accurate temperature, humidity, and VPD measurements.
- Power-failure memory retains settings and resumes programs automatically.

Setup

Follow these steps to set up your AC Infinity Controller 69 PRO+:

1. **Mounting:** Securely mount the controller in a suitable location within your grow space. The unit is lightweight and

can be mounted on a wall or tent pole.

2. **Connect Devices:** Plug your AC Infinity UIS devices (fans, lights, humidifiers, etc.) into the designated ports on the back of the controller. The controller supports up to eight devices.
3. **Connect Sensor:** Plug the thermal-alloy probe into the sensor port. Ensure it is placed in a central location to accurately measure environmental conditions.
4. **Power On:** Connect the controller to a power source. The display will illuminate.
5. **App Pairing:** Download the AC Infinity app from the App Store or Google Play. Open the app and follow the on-screen instructions to pair your controller via Bluetooth or WiFi. This unlocks advanced programming and monitoring features.

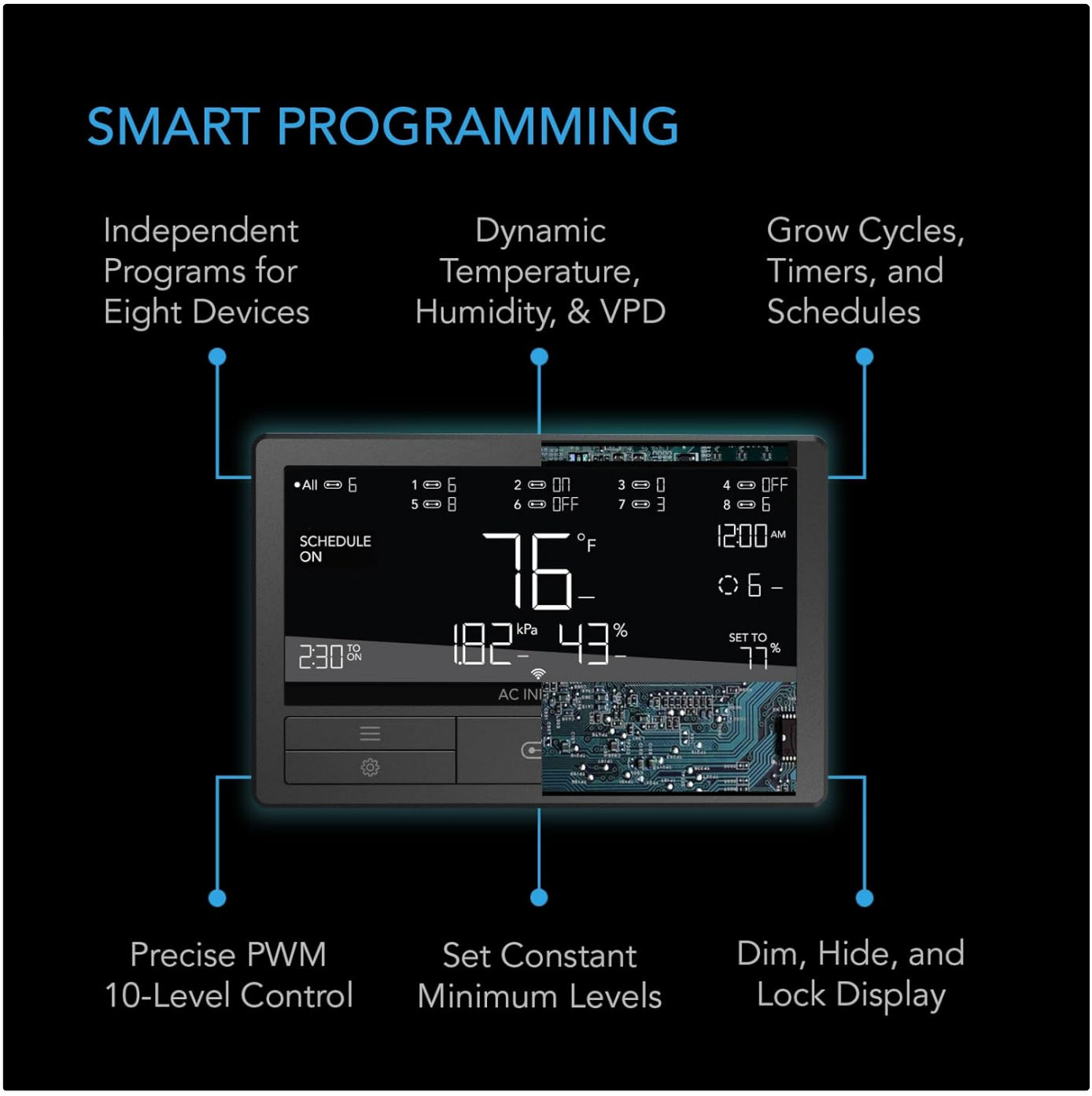


Image: The Controller 69 PRO+ display highlighting its smart programming capabilities, including independent programs for eight devices, dynamic temperature/humidity/VPD control, grow cycles, and precise PWM control.

Operating the Controller

The Controller 69 PRO+ offers both on-device and app-based control for comprehensive environmental management.

On-Device Control

Use the physical buttons on the controller to navigate menus and adjust settings directly. The bright LCD display provides clear information on current conditions and active programs.

- **Menu Button:** Access various settings and programming options.
- **Link Button:** Manage connected devices and their individual settings.
- **Up/Down Arrows:** Adjust values and navigate through options.

App Control (Bluetooth + WiFi)

The AC Infinity app provides advanced control and monitoring capabilities:

- **Remote Monitoring:** View real-time temperature, humidity, and VPD data from anywhere.
- **Advanced Programming:** Create complex grow cycles, schedules, and automation rules.
- **Notifications:** Receive alerts for critical environmental changes or device status.
- **Data Logging:** Access historical climate data for analysis and optimization.

Image: Screenshots of the AC Infinity mobile application, demonstrating the control interface for setting environmental parameters and a graph view for historical climate data.

Maintenance

To ensure the longevity and accuracy of your Controller 69 PRO+ and its sensor, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the controller's display and body with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Sensor Care:** Keep the thermal-alloy probe clean and free of dust or debris. Do not submerge the probe in liquid.
- **Firmware Updates:** Periodically check the AC Infinity app for available firmware updates for your controller. Updates can improve performance and add new features.
- **Cable Management:** Ensure all cables are neatly organized and not under strain to prevent damage to the ports or cables.

Troubleshooting

If you encounter issues with your Controller 69 PRO+, refer to the following common troubleshooting tips:

- **Controller Not Responding:**
  - Check power connection.
  - Ensure all cables are securely plugged in.
  - Perform a soft reset by unplugging and re-plugging the power.
- **App Connectivity Issues:**
  - Ensure your mobile device is connected to a 2.4GHz WiFi network for initial setup.
  - Verify Bluetooth is enabled on your device.
  - Restart the app and/or your mobile device.
  - Check for app updates.
- **Inaccurate Sensor Readings:**
  - Clean the sensor probe.
  - Ensure the sensor is not directly exposed to light, heat sources, or excessive moisture.
  - Verify the sensor cable is not damaged.
- **Devices Not Responding:**
  - Check the connection of the device to the controller port.
  - Ensure the device itself is functioning correctly when connected directly to power (if applicable).
  - Verify the programming settings for the specific device in the controller or app.

Specifications

Feature	Detail
Model	CTR69Q
Devices Supported	8 Devices

Sensors	Temp & Humidity
Programming	Independent Programs
Device Levels	PWM 10-Levels
Probe Length	12 Feet (144 inches / 366 cm)
Dimensions (Controller)	5.28" (13.4 cm) x 3.46" (8.8 cm) x 1.42" (3.6 cm)
Item Weight	1.47 pounds (0.67 Kilograms)
Voltage	12 Volts
Display Type	LCD

Image: Detailed specifications and dimensions of the Controller 69 PRO+ and its 12-foot probe, including supported devices, programming levels, and physical measurements.

Warranty and Support

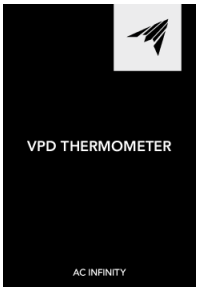
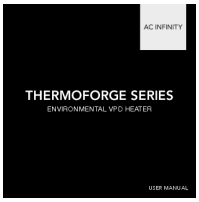
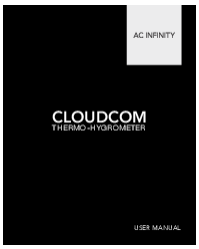
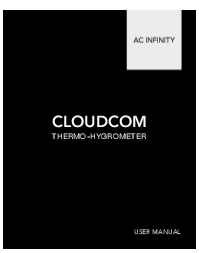
AC Infinity products are designed for reliability and performance. For warranty information and technical support, please refer to the official AC Infinity website or the documentation included with your purchase.

You can also find additional resources and frequently asked questions on the AC Infinity Store on Amazon.

For a comprehensive user guide, you may also download the official PDF manual: User Manual (PDF).

© 2025 AC Infinity. All rights reserved.

Related Documents - CTR69Q

	AC Infinity Controller 69 PRO+ Quick Start Guide A concise guide to setting up and operating the AC Infinity Controller 69 PRO+, an 8-port environmental controller for grow tents.
	AC Infinity VPD Thermometer User Manual - Model AC-TRV3 Comprehensive user manual for the AC Infinity VPD Thermometer (Model AC-TRV3), covering features, setup, operation, programming, and warranty information. Learn to measure air and leaf VPD, temperature, and humidity for optimal environmental control.
	AC Infinity Hydrone Series Dehumidifier Quick Start Guide - DHT2411X1 Quick start guide for the AC Infinity Hydrone Series dehumidifier (model DHT2411X1). Learn how to set up, power, drain, clean, and program your dehumidifier for optimal environmental control in grow tents.
	AC Infinity Thermoforge Series Environmental VPD Heater User Manual Comprehensive user manual for the AC Infinity Thermoforge Series Environmental VPD Heater (models T3 and T7), covering installation, setup, programming, features, safety guidelines, troubleshooting, and warranty information.
	AC Infinity Cloudcom Thermo-Hygrometer User Manual User manual for the AC Infinity Cloudcom Thermo-Hygrometer, covering installation, features, app integration, programming, and warranty information.
	AC Infinity Cloudcom Thermo-Hygrometer User Manual User manual for the AC Infinity Cloudcom Thermo-Hygrometer, detailing features, installation, app integration, programming, and warranty information for models AC-CCB1 and AC-CCB2.