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› AC Infinity AIRLIFT T10 Shutter Exhaust Fan Instruction Manual

## AC Infinity AIRLIFT T10

# AC Infinity AIRLIFT T10 Shutter Exhaust Fan Instruction Manual

Model: AIRLIFT T10 | Brand: AC Infinity

## 1. INTRODUCTION

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The AC Infinity AIRLIFT T10 is a 10-inch shutter exhaust fan designed for efficient ventilation in various spaces such as sheds, attics, workshops, and greenhouses. This system effectively removes heat, moisture, odor, and dust, contributing to a healthier and more controlled environment. It features an EC motor with PWM control for optimized airflow and reduced noise, along with a smart controller offering dynamic temperature and humidity programming, WiFi connectivity, and advanced automation capabilities.



Figure 1: AC Infinity AIRLIFT T10 Shutter Exhaust Fan with Smart Controller.

## 2. KEY FEATURES

- **High-Airflow Ventilation:** Designed to efficiently ventilate heat, moisture, odor, and dust from various spaces.
- **Smart Controller:** Features dynamic temperature and humidity programming, timers, grow cycles, scheduling, and minimum speed settings.
- **WiFi App Connectivity:** Remotely connect via the WiFi app to access advanced programs, alarms, notifications, and view climate data.
- **Durable Construction:** Equipped with steel shutters, aluminum blades, and an IP-44 rating, making it highly resistant to liquid and dust.
- **EC Motor with PWM Control:** Innovative EC motor with Pulse Width Modulation (PWM) control maximizes airflow while reducing energy consumption and noise levels.
- **Dual Ball Bearings:** Motor houses dual-ball bearings rated for 67,000 hours of operation.

# SMART CONTROLS

Independent Programs for Four Devices

Grow Cycles, Timers, and Schedules

Dynamic Temperature and Humidity

Precise PWM 10-Level Control

Remote Access via WiFi App

Advance Automation Programming

Climate Charts and CSV Data Export

Set up Alert Notifications and Alarms



Figure 2: Overview of the smart controller's features and app connectivity.

## HIGH PERFORMANCE

PWM-controlled EC motor is engineered to maximize airflow at lower noise levels. Features dual-ball bearings rated at 67,000 hours.

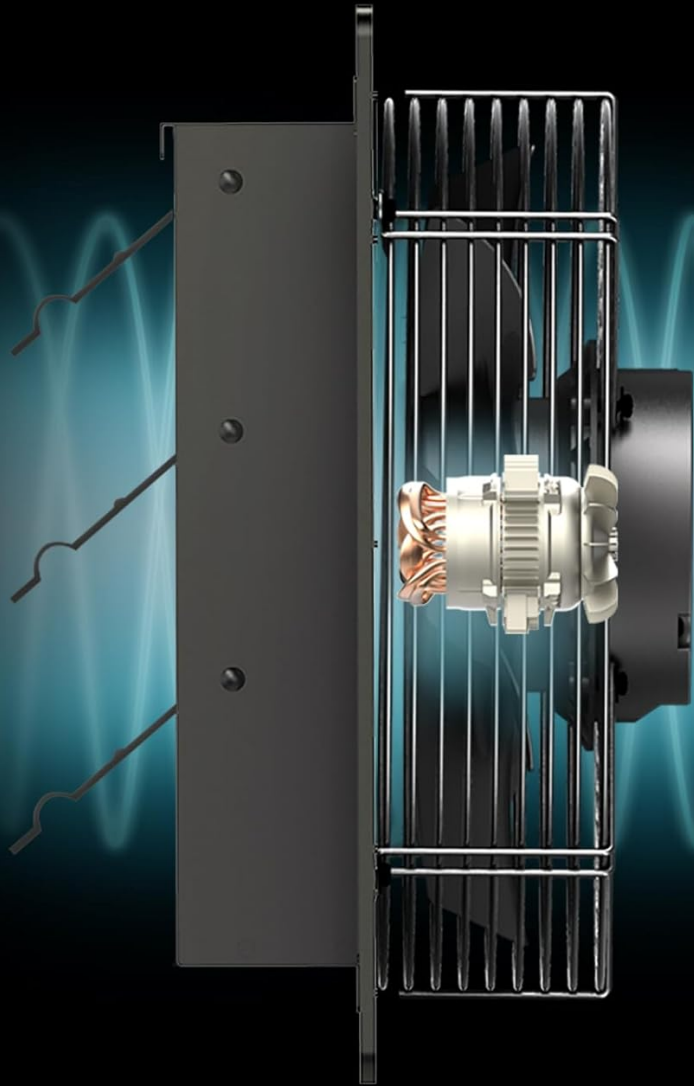


Figure 3: Illustration of the high-performance PWM-controlled EC motor.

### 3. SETUP AND INSTALLATION

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The AIRLIFT T10 is designed for wall-mount installation. Proper installation ensures optimal performance and longevity of the unit.

#### 3.1 Mounting the Fan

1. **Prepare the Opening:** Identify a suitable location for the fan. Cut an appropriate opening in the wall or structure where the fan will be mounted. Ensure the opening dimensions accommodate the fan (13.0 x 13.0 inches for the 10-inch model).
2. **Secure the Fan:** Insert the fan into the prepared opening. Secure it using appropriate fasteners for your wall material. Ensure the fan is level and firmly attached to prevent vibrations.

# SPECIFICATIONS

UIS™

MODEL | AIRLIFT T10

IMPELLER DIA | 10"

POWER USAGE | 54 W

CONTROLLER | Controller 69 PRO

ENGINE | EC-Motor PWM

AIRFLOW | 631 CFM

NOISE | 67 dBA

SENSORS | Temp. & Humidity

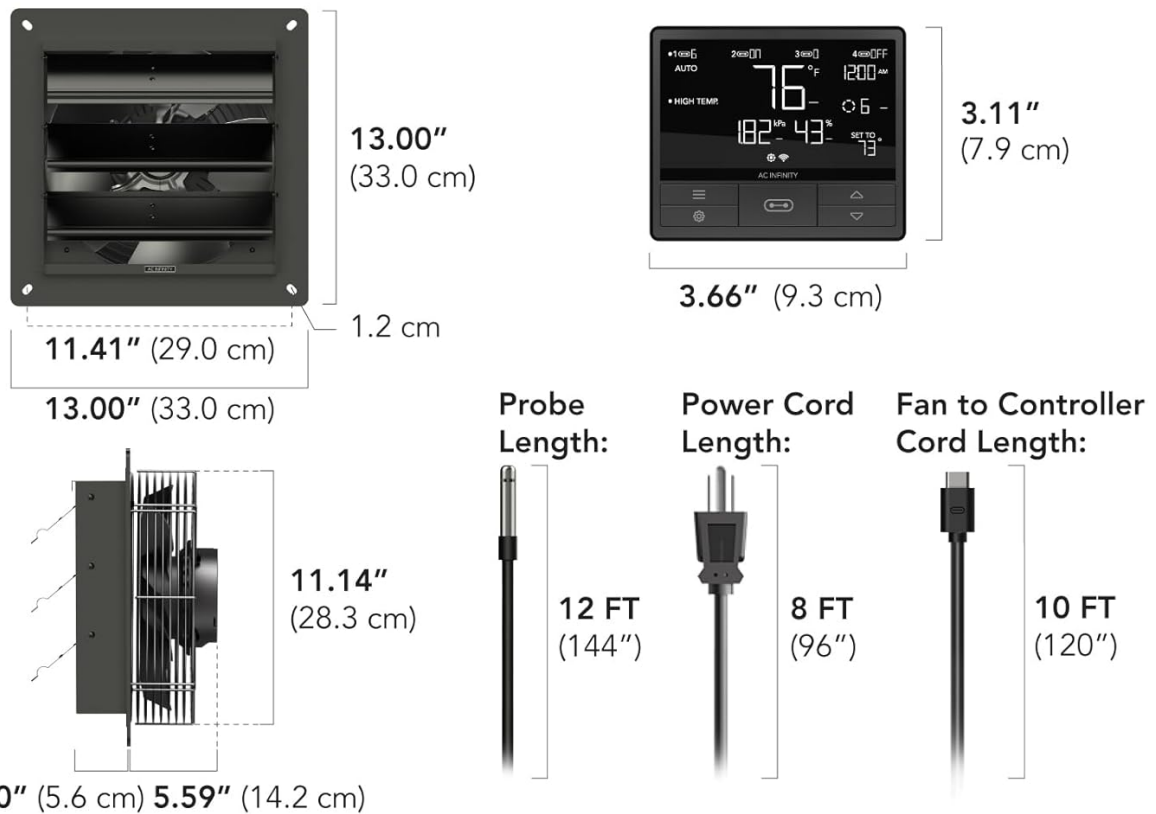


Figure 4: Example of the AIRLIFT T10 fan installed in a workshop setting.

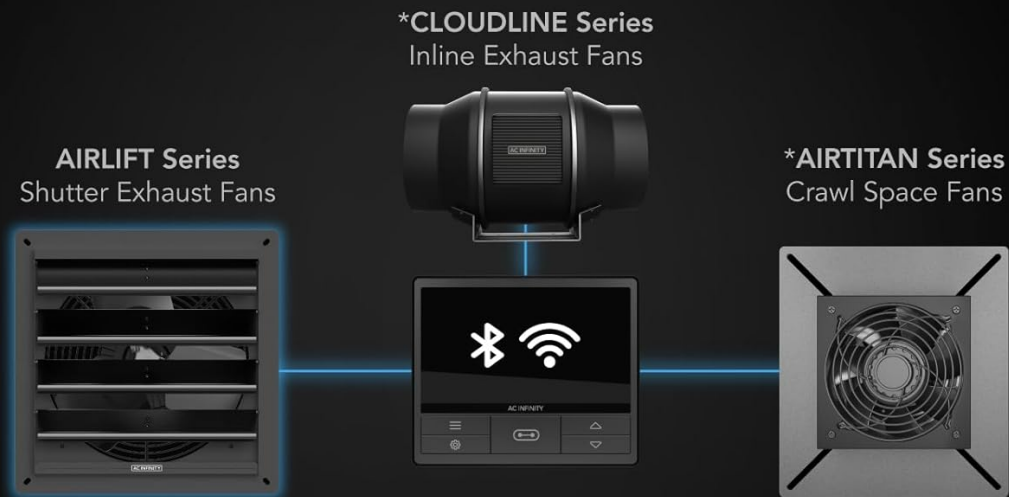
## 3.2 Connecting the Controller

1. **Connect Fan to Controller:** Connect the fan's cord (10 ft) to the smart controller. Ensure the plug is inserted correctly. Incorrect insertion can lead to the controller screen not lighting up and the fan running at a very low speed.
2. **Connect Power:** Plug the controller's power cord (8 ft) into a suitable power outlet (240 Volts).
3. **Sensor Probe:** Connect the temperature and humidity sensor probe (12 ft) to the controller and position it in the area where climate monitoring is desired.

# AC INFINITY ECOSYSTEM



Designed to control up to four UIS devices, and provide each with dynamic climate and time-based programming.



\*Devices shown sold separately

Figure 5: Close-up view of the smart controller with connections.

## 3.3 System Overview



AIRLIFT T10 shown. May not be the same models as this listing.

Figure 6: The AC Infinity Ecosystem showing integration with other UIS devices.

## 4. OPERATING INSTRUCTIONS

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The AIRLIFT T10 smart controller allows for precise control over your ventilation system. You can operate it directly via the buttons on the unit or through the AC Infinity WiFi app.

### 4.1 Basic Operation

- **Power On/Off:** Use the power button on the controller to turn the unit on or off.
- **Adjust Settings:** Use the up/down arrows to navigate menus and adjust temperature, humidity, and fan speed settings.
- **Auto Mode:** Set the controller to Auto Mode to allow the fan to automatically adjust airflow based on programmed temperature and humidity thresholds.

### 4.2 Advanced Programming (WiFi App)

For advanced control and monitoring, download the AC Infinity app and connect your AIRLIFT T10 via WiFi.

- **Remote Access:** Control your fan from anywhere.
- **Dynamic Programming:** Set complex automation rules based on temperature, humidity, and time.
- **Alarms and Notifications:** Receive alerts for critical climate changes.
- **Climate Data:** View historical climate charts and export data for analysis.

Your browser does not support the video tag.

Video 1: Official AC Infinity overview of the AIRLIFT Shutter Exhaust Fan with temperature and humidity control, demonstrating its features and operation.

## 5. MAINTENANCE

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Regular maintenance ensures the optimal performance and longevity of your AC Infinity AIRLIFT T10 fan.

- **Cleaning:** Periodically inspect the fan blades and shutters for dust and debris accumulation. Clean with a soft cloth or brush. The IP-44 rating provides resistance to dust and liquids, but regular cleaning is still recommended for optimal airflow.
- **Check Connections:** Ensure all electrical connections, including the fan to controller and power cords, are secure and free from damage.
- **Shutter Operation:** Verify that the steel shutters open and close freely without obstruction.

## 6. TROUBLESHOOTING

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If you encounter issues with your AIRLIFT T10, refer to the following common troubleshooting steps:

- **Controller Screen Not Lighting Up / Fan Running at Low Speed:** This often indicates an incorrect connection between the fan and the controller. Ensure the fan's plug is inserted into the controller in the correct orientation. Reversing the plug often resolves this issue.
- **High Temperature Reading / Fan Running at Max Speed in Cold Conditions:** In below-freezing temperatures, the controller may display an abnormally high temperature and cause the fan to run at maximum speed. If this occurs, it may be necessary to temporarily turn off the fan or adjust settings to prevent over-ventilation in cold environments.
- **Reduced Airflow:** Check for obstructions around the fan blades or shutters. Ensure the shutters are opening fully. Clean any accumulated dust or debris.
- **No Power:** Verify that the power cord is securely plugged into a working outlet and that there are no tripped circuit breakers.
- **App Connectivity Issues:** Ensure your device's WiFi is enabled and connected to the internet. Restart the app and the controller if necessary.

## 7. SPECIFICATIONS

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Feature	Specification
Model Name	AIRLIFT T10
Fan Size	10 inches
Product Dimensions	13.0"D x 13.0"W x 7.79"H (33.0 x 33.0 x 19.8 cm)
Airflow Capacity	631 Cubic Feet Per Minute (CFM)
Noise Level	67 Decibels (dBA)
Power Source	Corded Electric
Voltage	240 Volts
Wattage	50 watts
Motor Type	Brushless EC Motor
Bearings	Dual Ball
Material	Alloy Steel, Aluminum
IP Rating	IP-44
Controller Type	Button Control, App, Remote
Sensor Probe Length	12 ft (144 inches)
Power Cord Length	8 ft (96 inches)
Fan to Controller Cord Length	10 ft (120 inches)
UPC	819137020900
Part Number	AC-ALT10



Figure 7: Detailed dimensions and specifications of the AIRLIFT T10 and its components.

## 8. WARRANTY INFORMATION

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Specific warranty details for the AC Infinity AIRLIFT T10 are provided by the manufacturer. Please refer to the documentation included with your product or visit the official AC Infinity website for comprehensive warranty terms and conditions. Protection plans may also be available for purchase separately.

## 9. CUSTOMER SUPPORT

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For further assistance, technical support, or to explore other AC Infinity products, please visit the official AC Infinity store or contact their customer service directly.

AC Infinity Store: <https://www.amazon.com/stores/ACInfinity/page/16FAF5B9-1BA1-499D-AC31-B85736AF165C>

