

AIPER WR01

Aiper IrriSense Smart Irrigation System User Manual

Model: WR01 | Brand: AIPER

1. INTRODUCTION

The Aiper IrriSense Smart Irrigation System is an advanced, app-controlled device designed to provide efficient and customized watering for your lawn. This system integrates smart technology to adapt to weather conditions, optimize water usage, and simplify lawn care. With its easy setup and comprehensive features, IrriSense ensures your lawn receives precise hydration without waste.



Figure 1.1: The Aiper IrriSense Smart Irrigation System unit and its accompanying mobile application.

2. PRODUCT FEATURES

- **Smart Lawn Irrigation with App Control:** Customize watering zones, schedules, and depths via the dedicated app. Control your irrigation system through WiFi or Bluetooth for automated lawn care.
- **Wide-Area Coverage:** Operates at 45 PSI water pressure, covering up to 4,800 sq. ft. with a 39 ft. spray range. Features EvenRain technology for natural rainfall simulation and adaptive re-spray to eliminate blind spots.
- **Quick & Easy Setup:** Designed for a 15-minute installation without the need for professional assistance or extensive planning.
- **Weather-Smart Technology:** Equipped with a built-in rain sensor that automatically pauses watering during rainfall, conserving water and protecting your lawn.

- **Smart Watering Modes & Real-Time Monitoring:** Easily switch between Remote Watering and Quick Watering modes. Monitor watering time, depth, and track historical irrigation data for optimized efficiency.

EvenRain™ Technology for Professional Irrigation



Industry's First

39ft (12m)

Zero Missed Spots

Adaptive Re-Spray Technology

Figure 2.1: The IrriSense system utilizing EvenRain Technology for wide-area coverage.

Customizable Watering Zones

Water Only What's Needed, No Waste

Area Coverage Max
4,800 sq. ft.

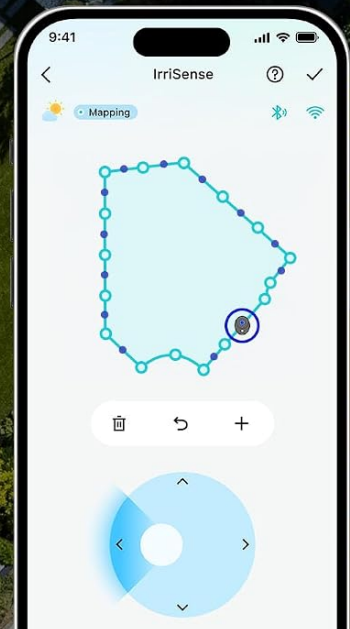


Figure 2.2: Customizable watering zones and maximum area coverage of 4,800 sq. ft.

3. WHAT'S IN THE BOX

Upon unboxing your Aiper IrriSense Smart Irrigation System, please verify that all components are present:

- 1x IrriSense Main Unit
- 1x DC Charger
- 1x Extension Cord
- 1x Locator
- 1x Stake Kit
- 1x Hose Quick Connector Kit
- 1x Quick Guide

- 1x User Manual (this document)
- 1x Check Valve

4. SETUP AND INSTALLATION

The Aiper IrriSense system is designed for quick and easy installation, typically taking around 15 minutes. No digging or complex wiring is required.

4.1 Initial Setup Steps

1. **Install the Locator & Fix the Equipment:** Choose a central location in your lawn for optimal coverage. Secure the IrriSense unit using the provided locator and stake kit.
2. **Connect the Water Pipe:** Attach your garden hose (compatible with 5/8" or 3/4" sizes) to the IrriSense unit using the hose quick connector kit. Ensure the check valve is properly installed to prevent backflow.
3. **Connect the Power Supply:** Plug the DC charger into the unit and then into a suitable outdoor power outlet.
4. **Pair via Bluetooth:** Download the Aiper IrriSense app from your device's app store (App Store or Google Play). Open the app and follow the on-screen instructions to pair your smartphone with the IrriSense unit via Bluetooth. Press and hold the pairing button on the unit for 2 seconds if prompted.
5. **Start Mapping:** Once paired, use the app to create a custom watering map of your lawn. The app will guide you through defining watering zones and boundaries.
6. **Begin Sprinkler Irrigation:** After mapping is complete, you can initiate your first watering cycle through the app.

Worry Less with the IrriSense

Cord Length: **33ft (10m)** \ Applicable Hose Size: **5/8" or 3/4"** Garden Hose



From Setup to Watering in Just
15 Minutes!

From Setup to Watering in
Two days

✓ Low Maintenance Cost

✗ High Maintenance Cost

✓ APP Control

✗ /

✓ Save Water

✗ /

Figure 4.1: Comparison of IrriSense's quick setup versus traditional irrigation methods.

5. OPERATING INSTRUCTIONS

The Aiper IrriSense system is primarily controlled through its dedicated mobile application, offering comprehensive management of your lawn's watering needs.

5.1 App Control and Monitoring

The IrriSense app provides real-time monitoring, customization options, remote control capabilities, and a detailed irrigation history.

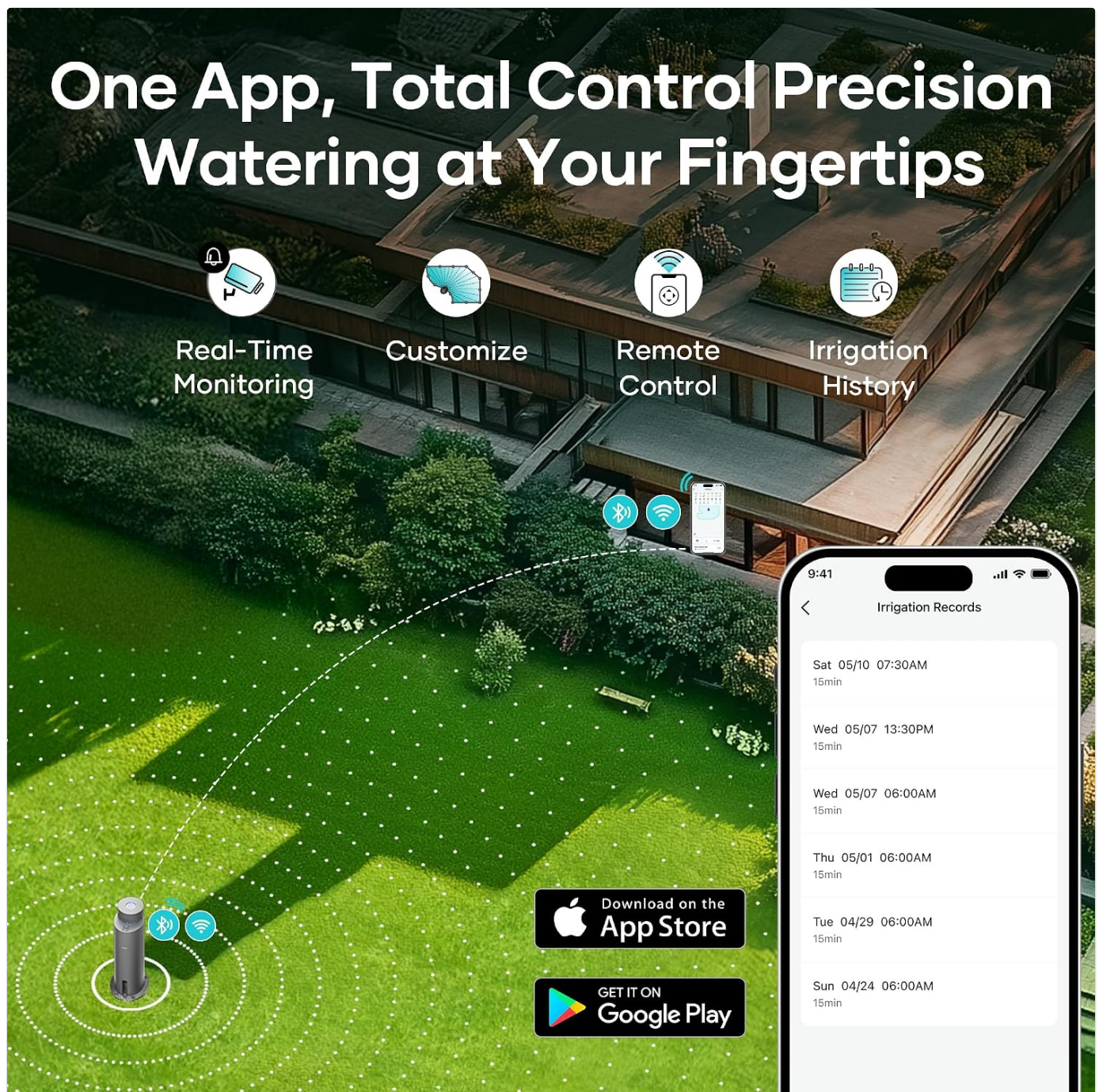


Figure 5.1: Overview of the Aiper IrriSense app's main control features.

5.2 Setting Watering Schedules and Depth

Use the app to define precise watering schedules and depths tailored to your lawn's specific requirements and local climate conditions.

Let IrriSense be Your Professional

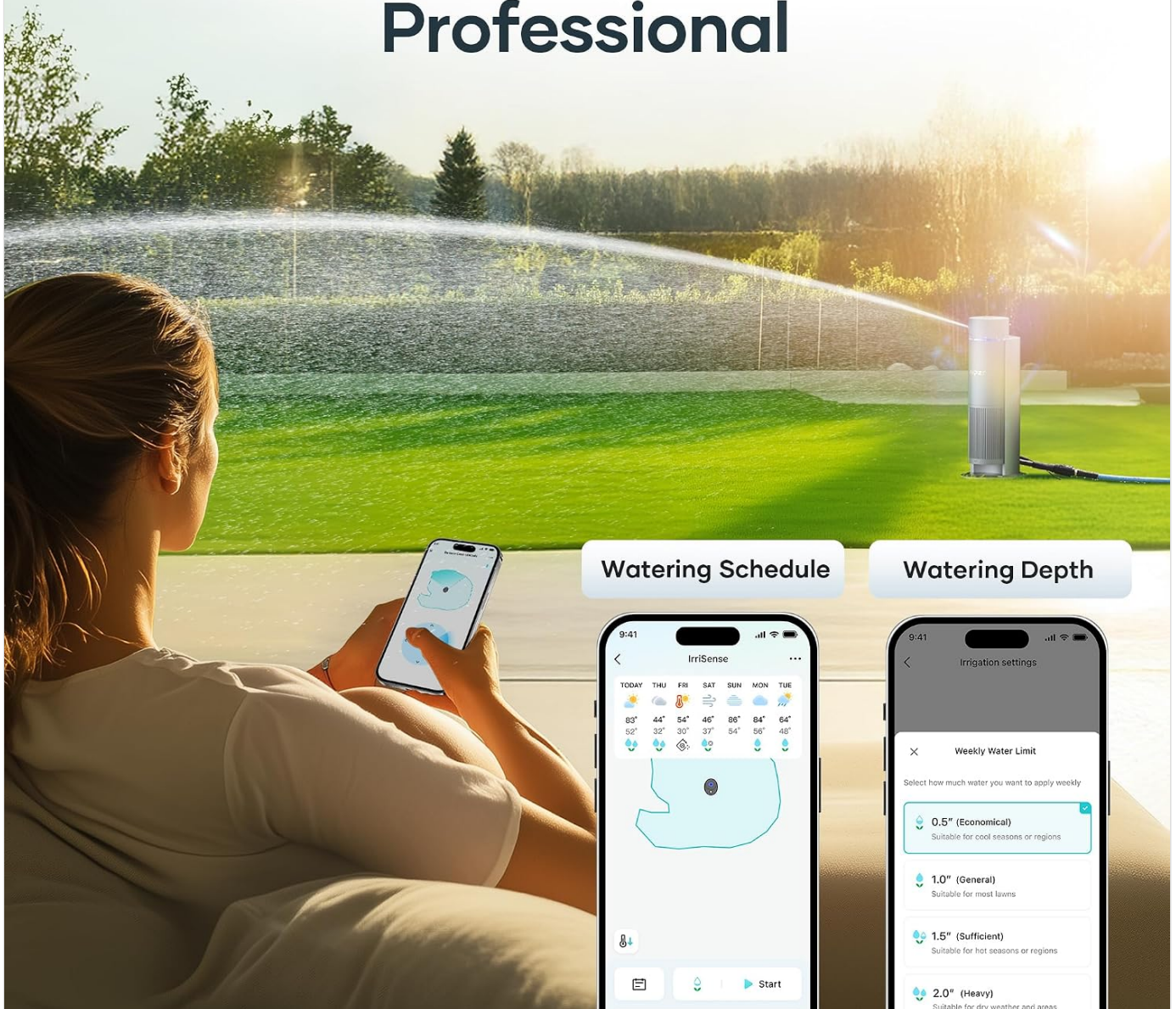


Figure 5.2: Managing watering schedules and depths via the IrriSense app.

5.3 Weather-Smart Operation

The integrated rain sensor automatically detects rainfall and pauses scheduled watering tasks, preventing overwatering and conserving water. The app provides notifications regarding weather-related adjustments.

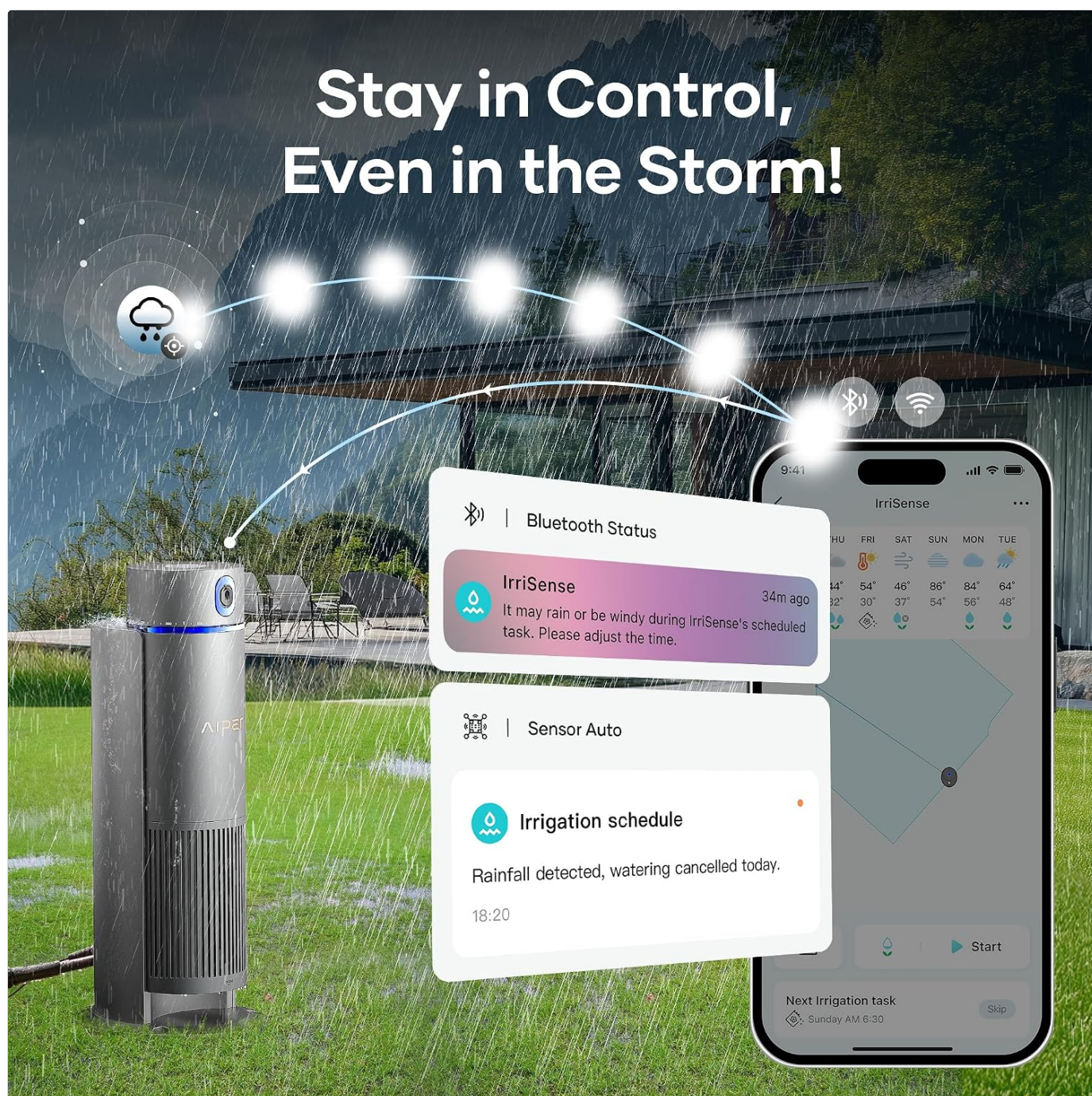


Figure 5.3: IrriSense's weather-adaptive technology in action.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Aiper IrriSense system, regular maintenance is recommended. The system is designed with several features to enhance durability and ease of care.

- **UV Resistant Materials:** The exterior is constructed from materials designed to withstand prolonged exposure to sunlight, preventing degradation.
- **Auto Valve Shutoff:** This feature helps prevent water leakage accidents by automatically shutting off the valve if an issue is detected.
- **Copper Hose Fitting:** The use of copper fittings resists corrosion, ensuring a durable and leak-free connection to your garden hose.

- **Winter Drainage Mode:** Before freezing temperatures, activate this mode to drain water from the system, protecting internal components from ice damage.
- **Check Valve and Filter:** Regularly inspect and clean the check valve and filter to prevent water source contamination and pipe clogging, ensuring consistent water flow.



Figure 6.1 : Key design features for consistent performance and durability.

7. TROUBLESHOOTING

If you encounter any issues with your Aiper IrriSense system, please refer to the following common troubleshooting steps. For persistent problems, contact customer support.

7.1 Common Issues and Solutions

• **No Water Flow:**

- Check if the water source is turned on.
- Inspect the hose for kinks or blockages.
- Clean the filter and check valve for debris.
- Ensure the unit is properly connected to power.

• **App Connectivity Issues:**

- Ensure Bluetooth and/or Wi-Fi are enabled on your smartphone.
- Make sure the IrriSense unit is within range of your smartphone or Wi-Fi router.
- Restart the app and/or your smartphone.
- Try re-pairing the device via Bluetooth.

• **Inaccurate Watering:**

- Verify your watering map in the app is accurate and covers the desired areas.
- Check the rain sensor for obstructions or dirt; clean if necessary.
- Ensure water pressure is adequate (45 PSI recommended).

8. SPECIFICATIONS

Specification	Value
Brand	AIPER
Model Name	WR01
Item Model Number	WR01
Material	Plastic
Item Weight	4.54 kg
Parcel Dimensions	64.4 x 36 x 28.2 cm
Special Feature	Adaptive Re-spray, Customizable watering zones
Fit Type	Flexible Tubing & Nozzle Design
Manufacturer	AIPER
Date First Available	March 19 2025

9. WARRANTY AND SUPPORT

Aiper provides a limited warranty for the IrriSense Smart Irrigation System. Please refer to the warranty card included in your product packaging for specific terms and conditions, including warranty period and coverage details.

9.1 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Aiper customer support through the following channels:

- **Website:** Visit the official AIPER website for FAQs, support resources, and contact information.
- **Email:** Refer to your quick guide or product packaging for the customer support email address.
- **Phone:** Check the Aiper website for available phone support numbers.

When contacting support, please have your product model (WR01) and purchase information ready.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question