



2024  
What's  
New Guide

Landscape Irrigation Products

**RAIN**  **BIRD**®

# IQ<sup>TM</sup> 4 Central Control

Take control of your irrigation business and your reputation with remote access to irrigation systems from any web-enabled device.

The IQ4 Platform offers state-of-the-art monitoring, programming and control features in one easy-to-learn user interface so you can spot an issue from a mile away...or a thousand miles away. Stay ahead of the curve with built-in evapotranspiration (ET) intelligence, automatic weather-based adjustments, catastrophe avoidance and more.

Features Launched in 2023

- ⊖ Dynamic and Interactive Mapping
- ⊖ Program Column View
- ⊖ Automatic Firmware Updates
- ⊖ Snapshot + Restore Data
- ⊖ User Site Assignments Export
- ⊖ Rain Delays – Shows Date When Program Will Resume
- ⊖ Easy to Use Station Adjust Percentage
- ⊖ Advanced (MAD) ET Adjustment
- ⊖ Individual Flow Rates on Multi-Flow-Sensor Controllers
- ⊖ Scheduled Reports Available in PDF Format
- ⊖ Customized Login Landing Page
- ⊖ Scheduled Reverse Synchronization



*Ideal for commercial applications such as HOAs, schools, parks and other sites that require flow sensing, more than 22 stations, or comprehensive water management across one or more controllers.*



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### Starring streamlined navigation

- Quick and simple setup
- User-friendly, intuitive interface
- Time-saving batch editing capabilities across multiple controllers and sites



### Tools for every need

- Tiered user access levels with varied permissions
- Analyze and edit programming without interrupting irrigation
- Ad-hoc and automatic reports for easier data analysis
- Gain remote access to LX Series controllers with IQ cartridges



### Equipped with a modern user interface

- Accessible from any device connected to the internet
- Fully optimized for smartphones and tablets
- Brings automatic daily seasonal adjust to all LX Series controllers
- All features available on any device

## 2-Wire Controller with Decoder Auto-Address

# ESP-2WIRE Controller **NEW**

Experience 2-Wire benefits without the hassle.

The ESP-2WIRE Controller and 2W-1 Decoder continue Rain Bird's legacy of the best-in-class 2-Wire experience with an approachable platform for projects up to 50 stations. With the addition of Decoder Auto-Address, contractors can now take advantage of all 2-Wire benefits with a familiar platform that's easy to install and program.



Add Remote Connectivity  
with the LNK™2 WiFi Module



### 50-station capacity

- Accommodates up to 50 stations plus master valve
- No need for expansion modules

### Low system cost and easy installation

- Standard direct burial wire
- Standard wire connectors
- No field grounding requirements

### Significant time savings

- Automatically detects decoder addresses connected to the 2-Wire path
- Automatically assigns decoder addresses to station numbers

### Control through the Rain Bird Mobile App

- Connects to WiFi for access anywhere in the world
- Local access through the mobile app with LNK2 when WiFi is not available on site
- Program addresses, rearrange, view status, and troubleshoot decoders all from your mobile device

### At-a-glance troubleshooting

- Status LED on controller back panel for real-time insight
- LED status indication lights for each individual decoder

### Model:

ESP-2WIRE: 120VAC

### Accessory:

2W-1 Decoder: Compatible decoder for ESP-2WIRE Controller



# ESP-LXIVM 2-Wire Controller with Smart Valve Technology

Revolutionary 2-Wire design with Integrated Valve Module (IVM).

Rain Bird's newest 2-Wire controller has advanced flow management tools and powerful new features such as the Integrated Valve Module with "smart solenoid" that stays in constant communication with the controller to provide efficient irrigation and advanced diagnostics.



**NOW AVAILABLE**

**LNK™2 WiFi Module support for the ESP-LXME2 and ESP-LXIVM controllers.**

LNK2 compatibility available for Apple® iOS. Android™ compatibility is coming soon.



Designed for the largest and most demanding sites such as housing or condominium complexes, schools, sports fields, parks, public spaces, or large industrial and commercial sites.



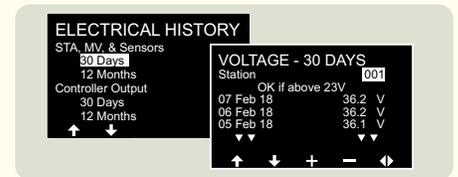
## Eliminate decoders

- 50% less wire splices saves time and money on installation, maintenance and repair
- Supports up to 60 stations standard or 240 stations with LX-IVM Pro



## Simple user interface

- Large, easy-to-read backlit display
- Additional buttons for increased functionality and ease of programming



## Precise diagnostics

- Two-way communication between the IVM field device and controller
- Connect up to four 2-Wire paths
- Discover problems and isolate shorted paths faster

## Smart Valves Preinstalled with IVM-SOL

*Best-in-class valves meet IVM technology*

Rain Bird's PGA, EFB-CP and PEB/PESB Series valves are now available with the Integrated Valve Module "smart solenoid" (IVM-SOL) preinstalled. Pair any of our new IVM Smart Valves with the ESP-LXIVM 2-Wire controller to eliminate decoders, reduce system cost, and improve reliability today.

### Models:

- **100PEBIVM & 100PESBIVM:** 1" Valve with IVM-SOL
- **150PEBIVM & 150PESBIVM:** 1.5" Valve with IVM-SOL
- **200PEBIVM & 200PESBIVM:** 2" Valve with IVM-SOL
- **IVM100PGA:** 1" Valve with IVM-SOL
- **IVM150PGA:** 1.5" Valve with IVM-SOL
- **IVM200PGA:** 2" Valve with IVM-SOL
- **IVM100EFB:** 1" Brass Valve with IVM-SOL
- **IVM150EFB:** 1½" Brass Valve with IVM-SOL
- **IVM200EFB:** 2" Brass Valve with IVM-SOL



## Advanced flow management

- FloWatch™ and FloManager™ optimize water usage, guard against high and low flow conditions and shorten total watering time

*"The innovative breakthrough is in the Integrated Valve Module, which relays valve status back to the controller and provides real-time monitoring of valves."*

— Irrigation Association®

Modular, Traditionally-Wired Controller



# ESP-LXME2 Next Generation Traditionally-Wired Controller

Where tradition meets innovation.

The popular LXME Series commercial controllers have been upgraded, now offering up to 40 programs, a simplified user interface, additional connectivity options, and more. The LXME2 Controller provides flow sensing and management with modular station capacity from 12 to 48 stations.



**PRO**

## Ask about the LXME2 PRO.

Attach a flow sensor input and a second booster pump circuit or normally closed master valve. (Available factory or field installed.)



NOW AVAILABLE

LNK™2 WiFi Module support for the ESP-LXME2 and ESP-LXIVM controllers.

LNK2 compatibility available for Apple® iOS. Android™ compatibility is coming soon.



## Modular design

- Perfect for traditionally wired new installs or retrofit applications
- Easy upgrade from LXME to LXME2 by swapping the front panel\*
- 12-station base unit expandable to 48 stations with 12-station modules\*

### MODULAR UPGRADES

- ▷ **PRO:** Flow sensing and additional second Booster Pump Circuit programmable by station
- ▷ Station capacity
- ▷ Metal case and pedestal
- ▷ NCC Network Communication Cartridges

## Intuitive operation

- Large backlit LCD display with easy-to-navigate user interface
- Six user-selectable languages
- Add or remove modules without powering down
- Copy/paste runtimes and Cycle+Soak™ programming from one station to many

## Powerful water management

- FloWatch™ protection for high and low flow conditions
- FloManager™ manages hydraulic demand
- SimulStations™ allow up to five stations to operate at once
- Water Windows by program plus Manual MV Water Window
- Cycle+Soak™ by station
- Intelligent calendar and weather-based delays

\*Only 12-station modules are compatible with the LXME2

Rugged, Battery-Operated Controller

# ESP-9V Battery-Operated Controller

Get reliable, automatic irrigation control, even when you don't have AC power—now with a 5-year warranty included.

Built to be installed virtually anywhere, the ESP-9V operates reliably for more than two years using two 9V batteries. With a waterproof case and dual-sealed battery compartment, life in a wet, dirty valve box is no problem. Get the convenience and efficiency of automatic irrigation control with the ESP-9V. Easy to use, easy to install, easy to own.



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## Models:

**ESP9V1:** 1-Zone ESP-9V Controller

**ESP9V2:** 2-Zone ESP-9V Controller

**ESP9V6:** 6-Zone ESP-9V Controller

**ESP9V1SOL:** 1-Zone + 9V Solenoid

## Reliable and long-lasting design

- Plastic, weatherproof controller case with outstanding resistance to weather, yellowing and aging
- Operates for approximately one full year using one 9-volt alkaline battery, or two years with two 9-volt alkaline batteries
- 5-year warranty included
- Sensor input with bypass override
- Master valve/pump-start circuit (multi-zone units only)
- Non-volatile (100-year) program memory
- IP68 certified for protection against dust and water intrusion

## Straightforward and user-friendly

- Large LCD display with simple-to-navigate user interface
- Dedicated manual watering button for easy operation
- Automatic zone-stacking ensures that only one valve irrigates at the same time
- Contractor Rapid Programming™ feature
- Run times, start times, and watering days are customizable by zone
- Six start times per zone, four watering day options per zone
- Delay watering (one to nine days)



# HT2 Premium Hose End Timer **NEW**

Reliable and flexible hose tap timer for residential applications.

Automate your hose-end sprinklers, drip irrigation system or soaker hose with this premium Hose End Timer. Available in Garden Hose Thread (GHT) and British Standard Pipe (BSP) configurations, these timers feature sophisticated automatic programming flexibility along with an extra rugged design for worry-free outdoor watering all season.



## Versatile application

- Professional-grade electronic timers
- Enables water to soak in, even on slopes or clay soil
- Use with hose-end sprinklers, drip irrigation and soaker hoses
- Automatic and manual watering for gardens, landscaping beds, and newly seeded or established lawns

## Flexible programming

- Simple-to-set seven-day automatic programming
- Up to six hours of watering per cycle
- Scheduled watering with up to four start times per day
- Complies with watering restrictions

## User-friendly design

- Intuitive program dial and large LCD screen display
- At-a-glance view of next scheduled water cycle and time remaining on current cycle
- One touch override buttons for "Cancel Watering" and "Water Now" (manual watering)
- "Cancel Watering" can also act as rain delay up to 96 hours

## Durable construction

- High-flow design with low pressure loss valve
- Rugged brass female coupler and threaded brass male outlet prevent accidental cross threading

### Models:

**ESP-HT2 - GHT:** Brass female GHT coupler and brass GHT male threaded outlet

**ESP-HT2 - BSP:** Brass female BSP coupler and brass BSP male threaded outlet



# RC2 Residential Connected Controller

Smart from the inside.

Building upon Rain Bird's legacy of The Intelligent Use of Water™, this controller offers simple, water-saving features that you will actually use. The mobile-first interface provides homeowners with the convenience they've come to expect while offering contractors the easiest and fastest programming experience possible.

SMART HOME INTEGRATION



## Model:

RC2-120V: 8-Station

## Accessories:

WR2-RFC: Rain + Freeze Combo

WR2-48: Rain + Freeze Combo with 48-hour hold

RSD-BEx: Rain sensor with latching bracket, extension wire



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## Quick to install

- Suitable for sites with up to eight stations
- One model for indoor or outdoor installation

## Simple to program

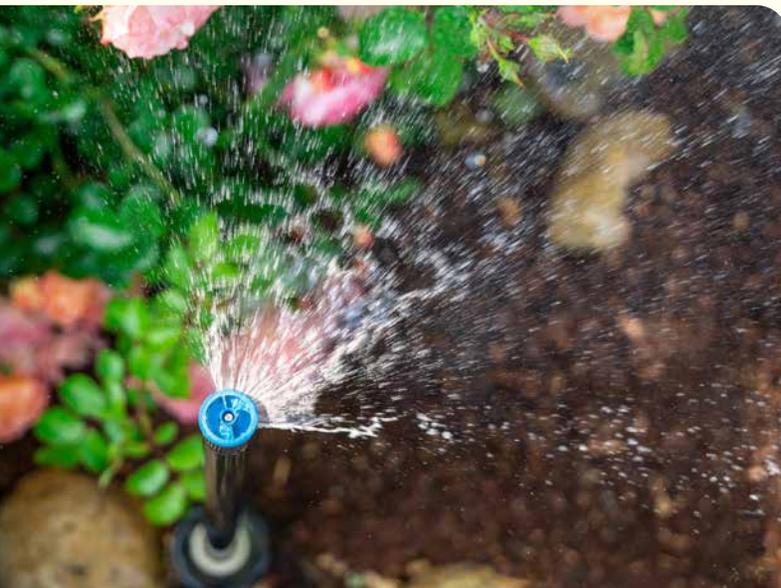
- Quick Pair Technology for fast and seamless mobile connection
- Rain Bird Mobile App provides easy access to all program features
- Three available programs with up to four start times for each program
- Schedule templates allow contractors to save commonly used programs to import to a controller quickly and easily

## Advanced features

- Delay Watering up to 14 days and automatically resume after the set delay has elapsed
- Cycle+Soak™ by station give the contractor and homeowner an easy way to prevent wasted water due to run-off
- Seasonal Adjust by program allows you to reduce or increase watering by program
- Forecasted weather delays prevent irrigation when there is rain, wind, or freezing temperature in the forecast

## Coverage with or without WiFi

- User-friendly mobile app interface gives contractors and homeowners access from anywhere in the world
- Guest Access mode will allow connection to the controller with the push of a button for easy on-site contractor access



# LNK™2 WiFi Module

LNK2 upgrades the ESP-2WIRE, ESP-ME3, ESP-Me, ESP-TM2, ESP-RZXe, ESP-LXME2 and ESP-LXIVM controllers with WiFi capabilities, allowing for system management from any place, at any time, with the mobile app.

Just plug in the module to your controller, pair it with the free Rain Bird® Mobile App and get real-time alerts.

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Model:  
LNK2WIFI



## NOW AVAILABLE

LNK2 WiFi Module support for the ESP-LXME2 and ESP-LXIVM controllers.

LNK2 compatibility available for Apple® iOS. Android™ compatibility is coming soon.



Now with a strengthened network connection and Bluetooth® Fast Pair



## Experience the difference with instant connectivity

- Unlocks WiFi capabilities in our most popular controllers, making them fully accessible and programmable from iOS or Android compatible devices
- Smart Home Compatible (North America, Europe, and Australia)

## Achieve peace of mind

- Receive push notifications for irrigation and weather-based events
- Tailor alerts so you only get the information that matters
- Enable remote diagnostics, set up service calls, access troubleshooting, receive freezing conditions warnings, and much more

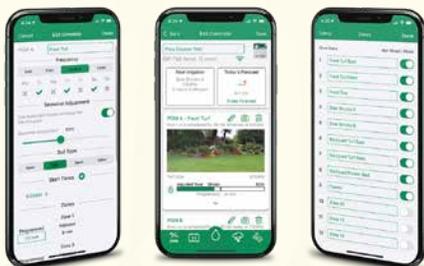


## Access our free professional app and manage multiple sites

- Use your phone like a wireless remote or operate the controller at the controller—you choose
- Water a single zone, all zones, or set a custom schedule
- Simple, multi-site management
- No tools required

## Exercise powerful intelligence

- Save up to 50% in water with weather-based adjustments to run times
- Utilize superior programming capabilities designed to meet the most stringent water restrictions
- Encrypted wireless communication protects user privacy



## ESP-BAT-BT **NEW**

Increase control and decrease site visits—even in the absence of AC power.

Welcome to a new era of Bluetooth®-enabled irrigation control. The BAT-BT offers greater visibility and total command over commercial sites with its unrivaled battery life, trouble-free installation, and streamlined, smartphone-only operation via the Rain Bird mobile app.

### Models:

**ESPBAT-BT1:** One Station Bluetooth Battery-Operated Controller

**ESPBAT-BT2:** Two Station Bluetooth Battery-Operated Controller

**ESPBAT-BT4:** Four Station Bluetooth Battery-Operated Controller

**ESPBAT-BT6:** Six Station Bluetooth Battery-Operated Controller

### Model Details:

- All models come with a dedicated MV wire
- All models have sensor port and wire
- One and two station units have one common wire. Four and six station units have two common wires.
- IP68 rated, rigorously-tested waterproof design protects against the harshest conditions

### Accessories:

- **BAT-BT Potted Latching Solenoid**
- **BAT-BT Solenoid Adapters**



*Built-in Bluetooth connectivity for total control with Rain Bird 2.0 App*



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### Easy installation and maintenance

- Up to 5-year battery life with four AA/LR6 batteries
- Effortlessly change batteries with the wireless compartment
- 30 to 50 foot Bluetooth range
- Seconds based irrigation
- Quickly scan to connect and follow the guided setup via the Rain Bird 2.0 Mobile App

### Powerful, time-saving features

- **Last Known Status:** Never forget whether a controller is set to Auto, Off, Rain Delay, etc.
- **Offline Mode:** View and make changes to the schedule even when out of range
- **Controller Share:** Streamline operations and share newly added devices, off-line updates and controller settings with the team so everyone stays up to date
- **Monthly Seasonal Adjust (0% to 200%):** Ensure the watering changes with the seasons. Add seasonal adjustment values for each month a year in advance
- **Rain Delay:** Pause irrigation up to 14 days, then automatically resume
- **No-Water Days:** Exclude specific days of the week on a recurring basis
- **Calendar Days Off:** Schedule 15 days per year for no irrigation
- **New Mapping Feature:** Get fast access to commonly used features and controller details
- **Effortless Installation:** Multiple attachment options in valve box and guided setup on app



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150, 200 and 400 micron versions available

## G-Series HN Filter

Reduce time-consuming maintenance and improve system performance with a compact and economical automatic backwash filter.

Keep irrigation systems free of the contaminants that degrade performance and efficiency. This filter is easy to install, does not require special skills or tools to operate, and is ideal for filtering out silt, scale, sand, rust, and dirt from a variety of irrigation water sources.

### Models:

**HN-G-02-1:** 2" Automatic Filter with AC/DC Controller

**HN-G-02-2:** 2" Automatic Filter with IVM and 24VAC Solenoid (No Controller)

### Easy to operate

- Fully automatic
- Self-cleaning
- No tools needed

### Powerful yet efficient

- Handles flows of 27 to 100 GPM\*
- Accommodates pressure up to 100 PSI\*\*
- Seven-second backwash flush cycle uses five gallons of water

### Customizable to your needs

- Available with automatic backwash controller powered by 110VAC or batteries
- Available without backwash controller when controlled by an IQ™-programmed Rain Bird® LX controller

\* For micron and water source de-rate values, refer to flow chart

\*\* Maximum allowable water pressure under any condition



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### Models:

**BPUMP1HP:** 1HP Booster Pump

**BPUMP1-5HP:** 1.5HP Booster Pump

**NEW: BPUMP2HP:** 2HP Booster Pump

## Self-Priming Lawn Sprinkler Irrigation Pump

Keep lawns lush and gardens growing while conserving resources.

Built for continuous operation of lawn sprinkling and water feature applications, Rain Bird's self-priming centrifugal booster pumps are perfect in applications where up to 70 GPM are needed. Our pumps are 100% balanced at the factory for industry-leading quiet operation, and every pump is factory tested to ensure optimal performance of plumbing and electrical systems.

### Rapid install and fewer points of failure reduces callbacks and time on the job

- Quick, self-priming operation for lawn irrigation
- Standard 2" inlet reduces the need for additional pipe adapters and decreases potential points of failure
- Equipped with a 115/230 dual voltage motor for maximum flexibility

### Built tough in the USA with nearly all American-made content

- Heavy-duty cast-iron construction
- Capacitor-assisted start up and two oversized self-lubricating ball bearings for quiet, continuous operation
- Chemical and abrasion resistant fiberglass reinforced thermoplastic impeller
- Cool running motor engineered for continuous operation in ambient temperatures up to 145 °F (65 °C)

### Constructed with ease of maintenance in mind

- Four bolts remove the motor for easy maintenance without disconnecting piping
- Easy-access drain plug

## FG100 Flow Sensor **NEW**

Defend against leaks with flow-sensing technology.

Designed for residential and smaller commercial applications, the FG100 monitors irrigation and instantly identifies when there is a leak or line break so it can be addressed early. This durable flow sensor manages water efficiency, protects homeowners from potential damages, and positions you as a guardian of your customers' property and landscape—earning you a stronger reputation over time.



### Models:

**A83926 FG100:** 1" (25.4 mm) Flow Sensor NPT

**A83927 FG100:** 1" (25.4 mm) Flow Sensor Slip



### Provides maximum value

- A low-cost upfront investment
- Pays for itself with preventing just one leak
- Saves time, saves labor, and pinpoints issues faster
- Compatible with standard K-Factor and Offset controllers

### Straightforward and convenient

- Quick and easy to install
- Added with 18g irrigation wire—no specialty PE-Cable
- Winterization-ready upon install
- No straight-pipe requirements



Pair the FG100 Flow Sensor with the ESP-ME3 Controller to check system health from anywhere via the Rain Bird Mobile App, available for iPhone® and Android™, when adding the LNK™2 module.

DISCLAIMER: The FG100 Flow Sensor is available in select markets. Get in touch with a Rain Bird sales representative to see whether it's available near you.

\*SOURCE: *Wireless and Wired Flow Sensors and Dedicated Submeters Used to Manage Large Residential Estates and Improve Irrigation Efficiency Report*

NEW

## Ultrasonic Flow Sensors



The most advanced irrigation flow sensor available.

The Ultrasonic Flow Sensor (UFS) by Rain Bird® is what modern irrigation has been waiting for. Accurately measure very low and high flow rates, all in one sensor. Advanced sensing technology produces stable and accurate readings with no straight-pipe requirements. Enjoy new flexibility in system design and place your Ultrasonic Flow Sensor anywhere on your irrigation system—even in the same valve box as your master valve.



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### Low and high flow measurement

- Wide flow range perfect for systems with multiple emission devices
- Ultrasonic transducer and reflector technology means more precision than traditional impeller meters
- **Flow Ranges:**
  - **UFS100:** 0.3–50 GPM
  - **UFS150:** 0.5–110 GPM
  - **UFS200:** 1.0–200 GPM

### Long-term dependability

- No moving parts for greater lifespan
- On-board LED lights for immediate status feedback
- Special body material grants high pressure and working temperature ratings

### No straight-pipe requirements

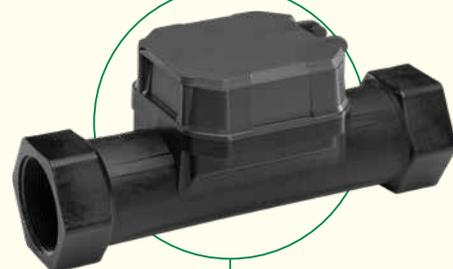
- Specialized design requires no straight pipe before or after the sensor
- Install near pipe bends or valves with consistent performance
- Save on time and material—install in the same box as your valve

### Models:

**UFS200:** 2" (50 mm) Ultrasonic Flow Sensor

**UFS150:** 1 ½" (40 mm) Ultrasonic Flow Sensor

**UFS100:** 1" (25 mm) Ultrasonic Flow Sensor



## XFDe Dripline **NEW**

Longer lateral run lengths and higher kink resistance.

Utilizing a revolutionary new emitter technology developed by Rain Bird engineers, XFDe dripline is ideal for large zones where dripline laterals may exceed up to 600 feet or more. The new low-profile pressure-compensating emitter reduces friction loss within the tube, enabling extra-long maximum lateral run lengths. XFDe dripline laterals can be installed up to 50% longer than competitor products. XFDe dripline is even more flexible and kink resistant, allowing for an easy and quick installation even on the coldest days.



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### Reliable

- Consistent flow over the entire lateral length
- Higher uniformity at inlet pressures up to 60 PSI

### Cost effective

- Longer dripline laterals allow for larger zones and lower material and installation costs
- Dual-layered tubing for unmatched longevity

### Easy to install

- Greater flexibility and kink-resistance
- 3" bend radius in any direction, even in the cold
- **Accepts the following fittings:**

- Rain Bird XF Insert
- Easy Fit Compression
- 17 mm insert
- LOC

### Available Options:

- 0.6 and 0.9 GPH
- 12" and 18" spacing
- 250' and 500' coils
- Non-potable purple stripe



## XFS-CV Dripline

Tough Copper Shield™ Technology and a heavy-duty check valve for unmatched protection.

With a built-in check valve and a pure copper chip in every emitter to protect against root intrusion, XFS-CV is the most effective dripline in the industry, ideal for any application—on-surface, sub-surface, sloped or level-grade. Patented 4.3 PSI check valve technology keeps the dripline charged at all times, increasing uniformity, and conserving water.

Now offered in 0.4 GPH **NEW**



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### Available Options:

0.4, 0.6 and 0.9 GPH

12" and 18" spacing

100', 250', 500' and 1000' lengths

Non-potable purple and purple stripe

### Pure copper protection

- A pure copper chip protects every emitter from root intrusion
- The best choice for subsurface applications
- Dual-layered tubing provides unmatched resistance to chemicals, algae and UV damage

### Designed for durability

- Backed by 10 years of research
- Warrantied 16 years against emitter root intrusion
- Resists clogging by use of an extra wide flow path combined with a self-flushing action

### Highest holdback in the industry

- Complete with heavy-duty, patented check valve in every emitter
- Keeps the dripline charged, holding back 10' of elevation change
- Eliminates lowpoint drainage and provides uniform irrigation throughout the zone

### Extremely versatile

- Available in a variety of standard emitter flow rates, emitter spacing and coil lengths
- Most flexible dripline tubing in the industry, making it easy to design with and install
- Accepts Rain Bird® XF Dripline Barbed Insert Fittings and other 17 mm barbed insert fittings



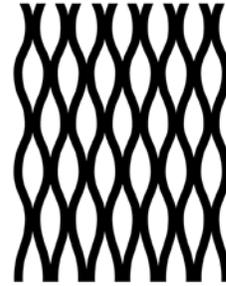
# Root Booster Series

Deliver water exactly where plants need it—their roots.

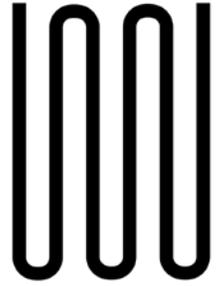
Root Booster Series products provide an efficient underground system for water distribution, supplying air and water right to the roots. Highly compatible with natural and automated irrigation, the Root Booster Series is lightweight, simple to install, and effective even in the harshest environments. With three convenient formats, Rain Bird's Root Booster products are all "set it-and-forget-it" solutions for environments where you need consistent growth.



STRIPS



NETS



SLEEVES

INTERNAL STRUCTURE RETAINS  
85% OF ITS SIZE IN  
WATER

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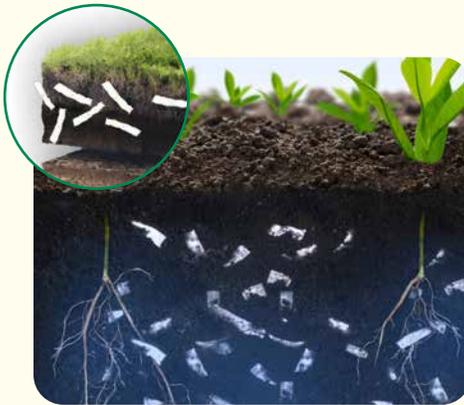


## Applications:

- ⊖ Roof Gardens
- ⊖ Athletic Fields and Lawns
- ⊖ Beds and Containers
- ⊖ Trees
- ⊖ Slopes
- ⊖ Heat Islands



Available in Biodegradable or Permanent variations.



### Root Booster STRIPS

STRIPS are specifically crafted to be mixed into the soil near the roots to enhance irrigation and substrate permeability. STRIPS resist compaction and promote aeration, providing the optimal supply of water and air for your plants.

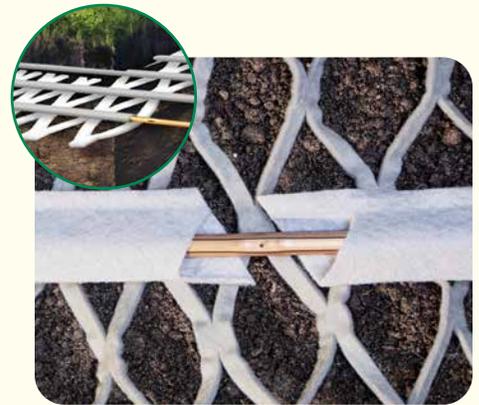
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### Root Booster NET

When installed root-deep in the soil or around the root ball of a tree, NET absorbs water and conducts it to the roots. A complement to your irrigation, the open net design provides ample space for roots to establish and grow. NET delivers water and air across large areas and can be cut to fit any project.

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### Root Booster SLEEVE

Root Booster SLEEVE is the subsurface dripline covering that not only nourishes your plants, but also shields your dripline from animals, shovels, soil compaction and more. Ideal for quickly draining soils and slopes, SLEEVE minimizes water-loss and holds water from the dripline directly at the roots.

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## SQ Series Nozzle with $\frac{3}{4}$ Square Pattern

Precise and efficient, low-volume spray nozzle for irrigation around the perimeter of trees or shrubs.

SQ Series Nozzle with  $\frac{3}{4}$  Square Pattern is pressure compensated, ensuring a precise and efficient, low volume spray for surface watering the perimeter of trees and shrubs, while avoiding the trunk. With the unique edge-to-edge pattern, coverage is achieved with only two nozzles, making them a cost effective solution.



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### Models:

**SQ-3QTR:** SQ Nozzle, three-quarter pattern

**SQ-QTR:** SQ Nozzle, quarter pattern

**SQ-HLF:** SQ Nozzle, half pattern

**SQ-FUL:** SQ Nozzle, full pattern

**SQ-ADP12:** SQ Nozzle Adapter with 12" PolyFlex Riser

**SQ-ADP:** SQ PolyFlex Riser Adapter only

### Unique pattern for trees

- Designed to irrigate precisely around the perimeter of trees and shrubs
- Great for corners in narrow planting beds, parking lot islands, walkways, parkways, and street medians

### Impressive versatility

- Application flexibility simplifies design and installation
- Can be installed on a variety of spray heads and risers
- One nozzle throws 2.5' or 4' (0.8 m or 1.2 m)

### Unbeatable savings

- Fewer nozzles needed due to unique square pattern with edge-to-edge capability
- Decreases cost and installation time
- Reduces overspray, property damage, and liability
- Meets micro irrigation system requirement with less than 26 GPH flow rate at 30 PSI



# FOUR ESSENTIAL TOOLS FOR TREE HEALTH

## 1. SQ3QTR Square Pattern Nozzle **NEW**

This innovative low-volume spray nozzle is ideal for irrigation around trees or shrubs. Precise and efficient, it offers a unique edge-to-edge pattern that is adjustable to accommodate growth. This versatile option saves water—and money.

## 2. Root Watering System

Subsurface root irrigation minimizes run-off and evaporation while ensuring deep and broad roots at the time of planting. Rain Bird Root Watering Systems are great for protecting your tree investment.

## 3. XFS-CV Dripline

Dripline is a versatile and flexible tree irrigation solution that can be extended as the tree grows. XFS-CV is ideal for subsurface installation around trees with a pure copper chip inside every emitter that provides the industry's most effective root intrusion protection. XFS-CV also offers better distribution uniformity, avoiding puddling, over-watering, and excess runoff.

## 4. Root Booster NET **NEW**

Root Booster NET is an underground distribution network for air and water that nourishes trees at the roots, and helps them through their establishment period. NET complements natural and automated irrigation approaches by retaining excess moisture and extending watering intervals so you can water half as often.



LEARN MORE



### Convenient, user-friendly design

- Adjust the rotating spray pattern by hand, no tools required
- Manually flush debris by simply pulling up on the nozzle
- Leverage the nozzles' matched precipitation rates to simplify design and zoning

### Valuable bottom-line savings

- Shorter zone run times save water and energy
- Lower precipitation rates reduce wasteful runoff and costly erosion
- Fewer nozzles needed to cover any area reduces installation time and costs

### Improves watering efficiency up to 30%

- Gentle, rotating streams create uniform coverage at lower precipitation rates
- Multi-stream technology optimizes absorption for healthier lawns
- Larger droplets and thicker streams cut through wind and keep water in target zone

### Models:

#### 8'-14' (2.4 m to 4.6 m)

R-VAN14: 45°-270° Adjustable Arc

R-VAN14-360: 360° Full Circle

#### 13'-18' (4.0 m to 5.5 m)

R-VAN18: 45°-270° Adjustable Arc

R-VAN18-360: 360° Full Circle

#### 17'-24' (5.2 m to 7.3 m)

R-VAN24: 45°-270° Adjustable Arc

R-VAN24-360: 360° Full Circle

#### Strip Nozzles

R-VAN-LCS: 5' x 15' (1.5 m x 4.6 m)

Left Corner Strip

R-VAN-RCS: 5' x 15' (1.5 m x 4.6 m)

Right Corner Strip

R-VAN-SST: 5' x 30' (1.5 m x 9.1 m)

Side Strip

## R-VAN Rotary Nozzles

High-efficiency rotary nozzles give your business a bottom-line boost.

The R-VAN line is the next generation in nozzle design, engineered to deliver the most efficient coverage while making installation and maintenance quick and easy. Rotary nozzles have evolved—it's time to advance with R-VAN.



### Matched Precipitation Rate

Fewer valves, less zones—one simple solution



### Larger Streams

Cut through wind to keep water in target zone



### Maximum Convenience

Adjust spray pattern, distance, angle, and flush by hand, no tools required



### Distribution Uniformity

Uniform coverage with no dry or soggy areas



### Highly Efficient

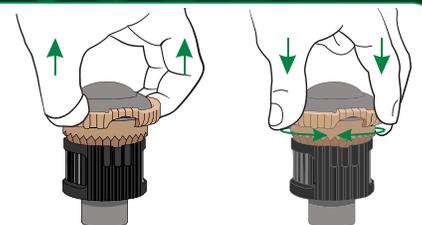
Shorter zone run times save water and energy



### Do More With Less

Fewer nozzles means lower inventory costs

No Tools Necessary. Adjust and Flush by Hand.



## 11000 Series Rotors

Engineered for sports fields and large turf applications.

11000 Series Rotors feature a minimally exposed surface to protect athletes while providing superior distribution uniformity and enabling a greener and higher performing field of play. Easy installation and top-serviceable maintenance ensure cost savings at every turn.

### Models:

**11004:** 1.5" ACME female-threaded inlet

**11004-ON:** 1.5" ACME female-threaded inlet with opposing nozzle



LEARN MORE



### Superior performance, smaller footprint

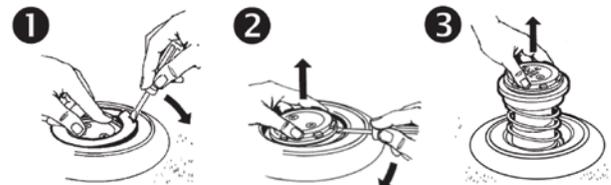
- 105' (32.0 m) of true coverage/throw
- Irrigate a field 25% larger with 40% fewer rotors than traditional rotor solutions
- Fewer components and less piping required
- Reduces installation time and cost

### Inspired by sports turf professionals

- Optional opposing nozzle available
- Increased droplet size for maximum efficiency and uniform coverage
- Nozzle pre-installed for quick installation
- Industry-best popup height means less mowing

### Hassle-free maintenance

- Intelligent snap ring design
- Top-serviceability
- Quick access to serviceable components
- Arc adjustments performed using a standard rotor tool





LEARN MORE



# Flume Smart Home Water Monitor

Next generation irrigation water management.

Rain Bird® and Flume™ have partnered to offer the most complete whole home smart water management solution. Now homeowners can track, measure, and monitor water usage inside and outside the home. Through the Rain Bird and Flume apps, you'll see exactly where you're using water, know how much you're using, and be protected with leak monitoring. The combined solution also quantifies the outdoor water savings achieved with smart controllers, rain sensors and other water-saving features provided by Rain Bird's controllers.

## Conserve money and resources

- Leak notifications
- Real-time water usage data
- Customizable water-use budgets
- Detailed indoor and outdoor water usage by fixture/zone

## Monitor indoor versus outdoor water use

- View indoor consumption and usage history
- Detect leaks within the irrigation system
- See exactly how much water is being used for irrigation—by zone, day, week and year—with Rain Bird and Flume's joint solution

## See water use by fixture

- Find out exactly how much water everything in the home uses
- See what percentage of water use comes from toilets, showers, dishwashers, water softeners, sprinkler systems, and more

## Conserve with water-use budgets

- Create water-use budgets with smart alerts for potential leaks or waste
- Receive automatic budget recommendations based on current water use
- Save up to 10–20% per month on water bills



An irrigation system that has a leak about the thickness of a dime can waste 96,000 gallons of water per month.

—Flume Water



# CHAMPIONS ARE GROWN

A HIGHER STANDARD INSPIRED BY SPORTS TURF PROS

Deliberate planning, meticulous care and a deep sense of pride. It's what sports turf professionals bring to venues large and small around the world. Which is why Rain Bird puts only the best into our sports irrigation solutions. From the longest-throwing rotor to the most advanced site control and more, we constantly step up our game to help you win at yours.



Watch sports turf pros in action and see our newest products at [rainbird.com/sports](https://rainbird.com/sports)



**NEW** 11000 Series Rotor

# RAIN BIRD®

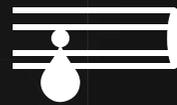
# *These irrigation tools help you get the same results with less water.*



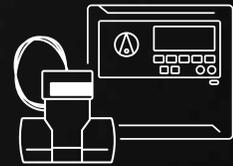
*Weather-Based Irrigation*



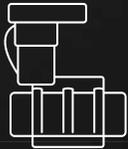
*High-Efficiency Nozzles*



*Micro-Irrigation*



*Advanced Flow Management*



*Low-Flow Valves*



*On-Site Weather Sensors*



*Pressure Management*



*Check Valves*



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