



## Key Products Guide

Total System Solutions from Tee to Green





# Single Source. Multiple Choice.

Rain Bird is the only manufacturer devoted exclusively to irrigation. That means you have our commitment to provide you with fully-integrated, end-to-end solutions for your entire course. Planning a system for new construction? Renovating or upgrading an existing layout? Reducing maintenance costs? Improving resource efficiencies or complying with mandated regulations? Rain Bird offers a multitude of options to precisely meet your needs. Experience the difference of working with the one company that lives and breathes irrigation.

It's what we do. It's all we do.

■ Golf Rotors . . . . .	4	■ Central Control Systems . . . . .	8
■ IC System™ . . . . .	6	■ Warranty . . . . .	11
■ Field Controllers . . . . .	7		



# The TRUE Benefits™ of a Rain Bird System

## Timeless Compatibility™

Every Rain Bird golf irrigation product is engineered for Timeless Compatibility, allowing you to have a state-of-the-art system that can be updated or changed without obsoleting your existing equipment.



## Real-Time Response

Rain Bird offers continuous two-way communication, allowing for automatic optimisation between your Central Control and the field. By receiving data and making instant adjustments when needed, you can protect your course from unforgiving weather and unexpected challenges.



## Unmatched Quality

Throughout engineering, design and testing, Rain Bird's mission is to deliver industry-leading quality to our customers. Our stringent testing procedures are implemented at the first launch of every product as well as regularly throughout the year, and they replicate the world's harshest conditions.



## Easy To Use

All Rain Bird products are engineered with the challenges of golf professionals in mind and designed to deliver everyday ease of use. From software interfaces to rotor designs, they help you and your team find a quicker, hassle-free path to top playability.



## Golf Rotors

### Engineered to Perform. Built to Last.

What goes into building a superior rotor? It's delivering a unique combination of uniform application, high efficiency and rock-solid dependability. Rain Bird® rotors lead the way with unmatched performance. Choose from three proven series to meet every course need from wide open fairways to postage stamp greens.



#### Rain Bird 551 Series **NEW**

With patented Memory Arc® technology built in, the 551 Series is a true golf-quality rotor with valve-in-head options, ideal for tee boxes, greens and smaller areas requiring short- to medium-throw ranges. Features higher flow rates and large droplets that reduce wind drift. Get better coverage with greater precision in a shorter amount of time.

#### Rain Bird 700/751 Series

700/751 Series Rotors offer unmatched flexibility and dependability across your entire course, with simple "turn-of-the screw" adjustments. Experience the intelligent ease of patented Memory Arc technology built into our 751 Series, allowing you to switch between full- and part-circle settings without resetting the arc.

#### EAGLE™ 900/950 Series

Big spaces demand big performance. Our 900/950 Series Rotors deliver extra-long throw ranges, increased droplet size and uniformity that is reliable and consistent. Choose full-circle 900 Series or 950 Series for part-circle precision application.

### Quick Specs

	551 Series	700 Series	751 Series	900 Series	950 Series
Radius	9.8–16.8 m	17.4–23.5 m	11.2–22.3 m	19.2–29.6 m	21.3–28.0 m
Flow Rate	1.55–3.10 (m³/h)	3.70–9.95 (m³/h)	1.59–8.56 (m³/h)	4.85–12.97 (m³/h)	4.43–13.49 (m³/h)
Arc	360° or 30–345°	360°	360° or 30–345°	360°	40–345°





## Features



### TOP SERVICEABILITY

All Rain Bird golf rotors feature top-serviceable arc adjustments and pressure regulation, as well as quick access to internal components. This is just one more way that Rain Bird makes your job easier.



### IC SYSTEM™

Take precision to the next level by adding Integrated Control (IC) to your Rain Bird rotors (see page 6). Provides revolutionary anywhere/anytime diagnostics and feedback to help you maintain the best playing conditions.



### GBS25 PROTECTION

All Rain Bird electric rotors (except IC) feature a robust GBS25 solenoid. You get unmatched 25kV surge protection and built-in filtration from debris. This Rain Bird exclusive benefit virtually eliminates the most common maintenance tasks that plague competing rotors.

## Swing Joints

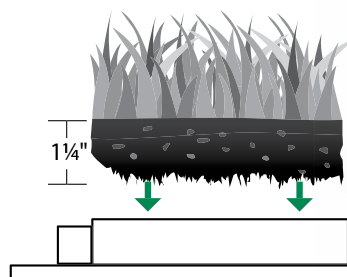
Maximise the performance and protect any Rain Bird rotor with our high-performance swing joints. Available in a wide range of configurations, the unique swept elbow design reduces pressure loss by up to 50% compared to other swing joints to promote consistent flow and optimal watering. Allows for easy adjustment of head to grade to prevent damage when run over by equipment.

Extended Rain Bird golf rotor warranty available when purchased and installed with Rain Bird swing joints.



## Sod Cup Kit **NEW**

Enhance the playability and appearance of your course with easy-to-install sod cups. Turf growth directly on top of the rotor eliminates the need to trim around heads while keeping it easily accessible for service.



## Low Angle Nozzle Housing Kit **NEW**

The Rain Bird 751 Series low angle nozzle housing kit with 15° trajectory gives the user capability to optimize rotors to meet challenging field conditions such as elevation differences and obstacles.

### IC System™



### *Simplified from Installation to Expansion.*

Achieving optimal playing conditions isn't so much an issue of working harder, it's working smarter. Add Rain Bird's intelligent IC System with IC CONNECT™ and you're on your way. Communicate directly with every rotor on your course, and gain one-of-a-kind property management with IC CONNECT. With an intuitive interface operated from a computer, tablet, or mobile device IC puts control in your hands, anywhere.

#### Pinpoint Control and Diagnostics

Control modules built into every rotor provide real-time information to the system. Access diagnostics and adjust rotors from any web-enabled device, from anywhere in the world. So fast and easy you can check the status of up to 1,000 rotors in 45 seconds.

#### Simplified Design

Choose the Rain Bird IC System and eliminate up to 90% of the wire and all of the decoders and satellites. Improves the appearance of your course while saving valuable time and eliminating unnecessary costs.

#### Streamlined Installation

With simplified wiring requirements, you can dramatically reduce installation time and costs. Eliminates more than 50% of the splicing required with traditional control systems. Why take on that extra vulnerability?

#### Easy Expandability

A Rain Bird IC System is an excellent choice for today and tomorrow. Should your system need to expand you can install additional IC Rotors anywhere there is a MAXI™ Wire, up to 36,000 rotor capacity.

#### Get More Control with IC CONNECT NEW

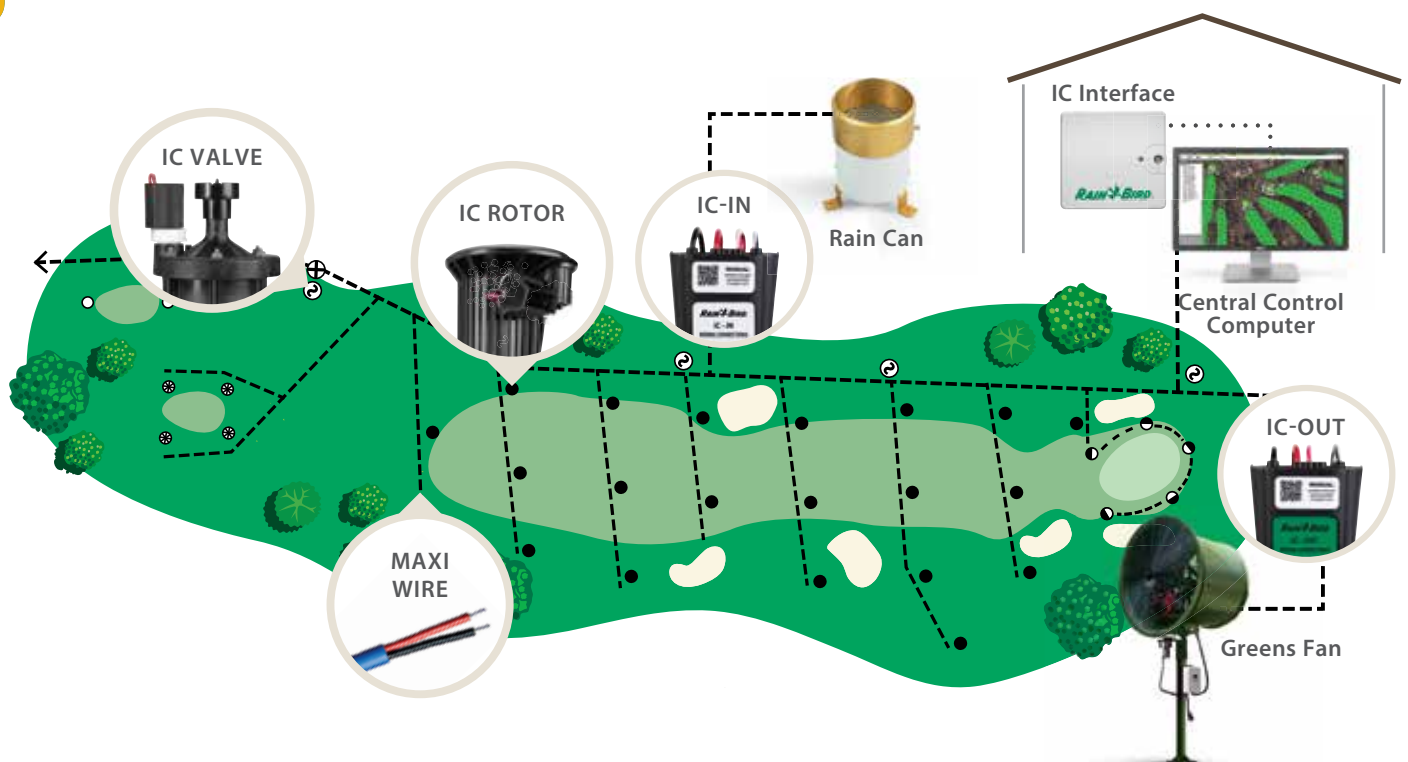
IC CONNECT allows you to feed more data into your system with IC-IN and remotely control field equipment using IC-OUT. Here are just a few of the numerous connectivity options:

##### IC-IN

- Rain Cans
- Flow sensors
- Lake level sensors

##### IC-OUT

- Transfer pumps
- Greens fans
- Fountains and water features
- Lighting



# Field Controllers



## Maintain Control.

Rain Bird offers a range of proven field controllers and communications that makes designing, scheduling, adjusting and maintaining your system as easy as possible, while optimising course playability and appearance. Each is fully compatible with any Rain Bird Central Control system.

### PAR+ES Controllers

Rain Bird® PAR+ES Controllers feature up to 72-Station capability, unlimited programs with central control, premium surge protection, standard extensive diagnostics and a best-in-class pedestal enclosure.

The flexible PAR+ES can be ordered in the following configurations:

- Standalone controller
- Satellite with two-wire module
- Satellite with LINK (wireless) module

All configurations are offered with a weather proof and impact-resistant plastic pedestal.

### Decoders

Rain Bird decoders offer the best of both worlds: you get “best in class,” expandable field control with central control systems; and, the underground installation improves your course aesthetics and playability. Ideal for renovation projects, these easy-to-install decoders are time-tested and proven on many of the top courses around the world.



FIELD CONTROLLERS



Winged Foot Golf Club



### Central Control Systems



#### ***Puts You in 24/7 Command.***

To maintain superior turf and playing conditions, there are no routine answers. Day to day, hour to hour—even minute to minute—you need to be able to react and respond quickly to changing conditions. Rain Bird Central Control systems not only optimise performance automatically, but give you the power to make critical decisions in real time. Intuitive; Flexible; Empowering; That's Rain Bird Central Control. Choose from several options for a solution that best meets your needs.



#### **Cirrus™**

Our most advanced option, Cirrus controls many of golf's most sophisticated irrigation systems. GPS geo-referenced images. State-of-the-art ET-based scheduling. Cirrus delivers the most innovative features in an intuitive package that lets you spend less time dealing with issues and more time with solutions.



#### **Nimbus™ II**

Nimbus II delivers advanced features with simple administration, ideal for saving time and effort while maintaining premier playing conditions. ET-based scheduling, precise flow management and real-time adjustments help you get the most out of every drop of water.





## Specifications

	Cirrus	Nimbus II	Stratus II	StratusLT
<b>Map-Based Control</b>	Up to 3 Courses (54 Holes)	Up to 3 Courses (54 Holes)	Up to 2 Courses (27 Holes)	Up to 18 Holes
<b>Programmes</b>	Unlimited	Unlimited	500	250
<b>Schedules</b>	Up to 50 per programme	Up to 50 per programme	Up to 25 per programme	Up to 25 per programme
<b>Interfaces</b>	Up to 12	Up to 8	Up to 2	1 (Not expandable)
<b>Satellite Stations</b>	Up to 32,256	Up to 21,504	Up to 5,376	Up to 672
<b>IC™ Stations</b>	Up to 36,000	Up to 24,000	Up to 6,000	Up to 750
<b>Pump Stations</b>	Up to 6	Up to 6	Up to 6	Up to 2
<b>Weather Stations</b>	Up to 5	Up to 5	1	1 (WS-PRO LT only)



## Stratus™ II and StratusLT™

Offering two options, the Stratus platform is an excellent choice for simple-time or ET-based scheduling. Choose to start with the basics, or upgrade to more advanced features. With either system, Rain Bird delivers the ease and convenience you want in a Central Control system, aiding superior turf and playing conditions throughout the year.



### MI Series™ Mobile Controllers

Control sprinklers, adjust programs, run diagnostics, edit station and programme details, and review system activity from any web-enabled computer, tablet or smart phone. The MI Series software lets you use up to nine devices simultaneously to remotely manage your system from anywhere in the world.

### Smart Pump™

This proprietary software tool works directly with your Rain Bird Central Control system to monitor and optimise pump performance.

Unlike other alternatives, Smart Pump bases its decisions—in real-time—on actual flow vs. estimated flow. The result is automatic balancing of supply with demand, improving efficiency while reducing water and electricity costs. You get 24/7 monitoring of your pump system, with accurate response to actual field conditions.



### Rain Can

Take advantage of the patented Rain Watch™ technology that comes standard with every Central Control system. You'll get automatic real-time decision-making information based on accurate rainfall measurements.

Up to four high-resolution Rain Cans can be placed throughout your course to collect up-to-the-minute rainfall data. Rain Watch uses rainfall data to modify the amount of water applied for optimal irrigation.



## CUSTOMER SATISFACTION POLICY

Rain Bird will repair or replace at no charge any Rain Bird professional product that fails in normal use within the warranty period stated below. You must return it to the dealer or distributor where you bought it. Product failures due to acts of God including without limitation, lightning and flooding, are not covered by this warranty. This commitment to repair or replace is our sole and total warranty.

**Implied Warranties of Merchantability and Fitness, if Applicable, are Limited to One Year from the Date of Sale. We will not, under any circumstances be liable for incidental or consequential damages, no matter how they occur.**

### Golf Products

**Golf Rotors:** EAGLE™ Series and EAGLE IC™ Series, Rain Bird® Series and Rain Bird IC™ Golf rotors – **3 years**. Additionally, EAGLE Series and EAGLE IC Series, Rain Bird Series and Rain Bird IC Golf Rotor sold and installed in conjunction with a Rain Bird swing joint – **5 years**. Proof of concurrent installation is required.

**Swing Joints** – **5 years**

**Valves and Valve Keys:** Brass Remote Control Valves and Brass Quick Coupling and Keys – **3 years**

**Filtration system controllers** – **3 years**

**LINK™ Radios** – **3 years**

**TSM-3 SDI12 Soil Sensor (ISS)** – **3 years**

All other golf products – **1 year**

## The Intelligent Use of Water.™

LEADERSHIP • EDUCATION • PARTNERSHIPS • PRODUCTS

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At Rain Bird, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

The need to conserve water has never been greater. We want to do even more, and with your help, we can. Visit [www.rainbird.com](http://www.rainbird.com) for more information about The Intelligent Use of Water.™



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**Rigby Taylor is the authorised UK distributor of Rain Bird golf course irrigation products.**

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