

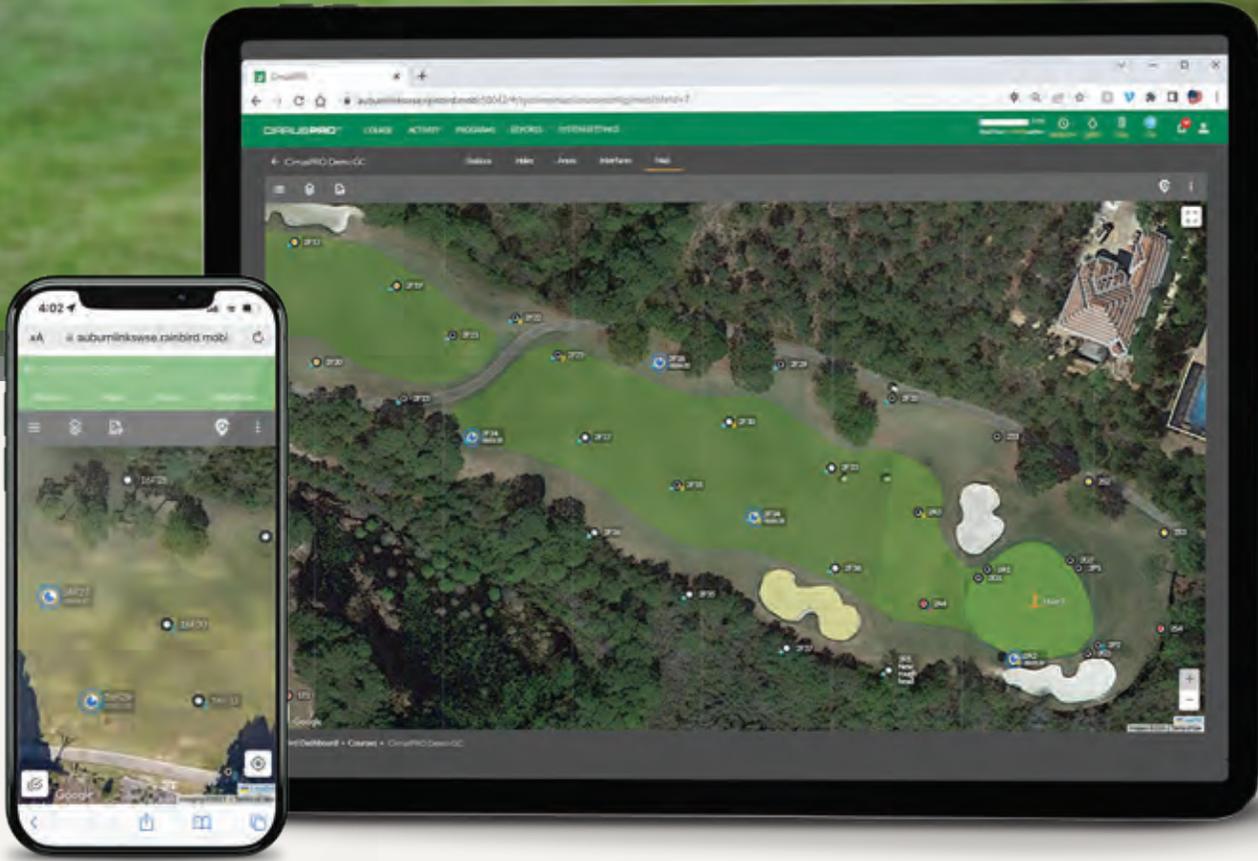
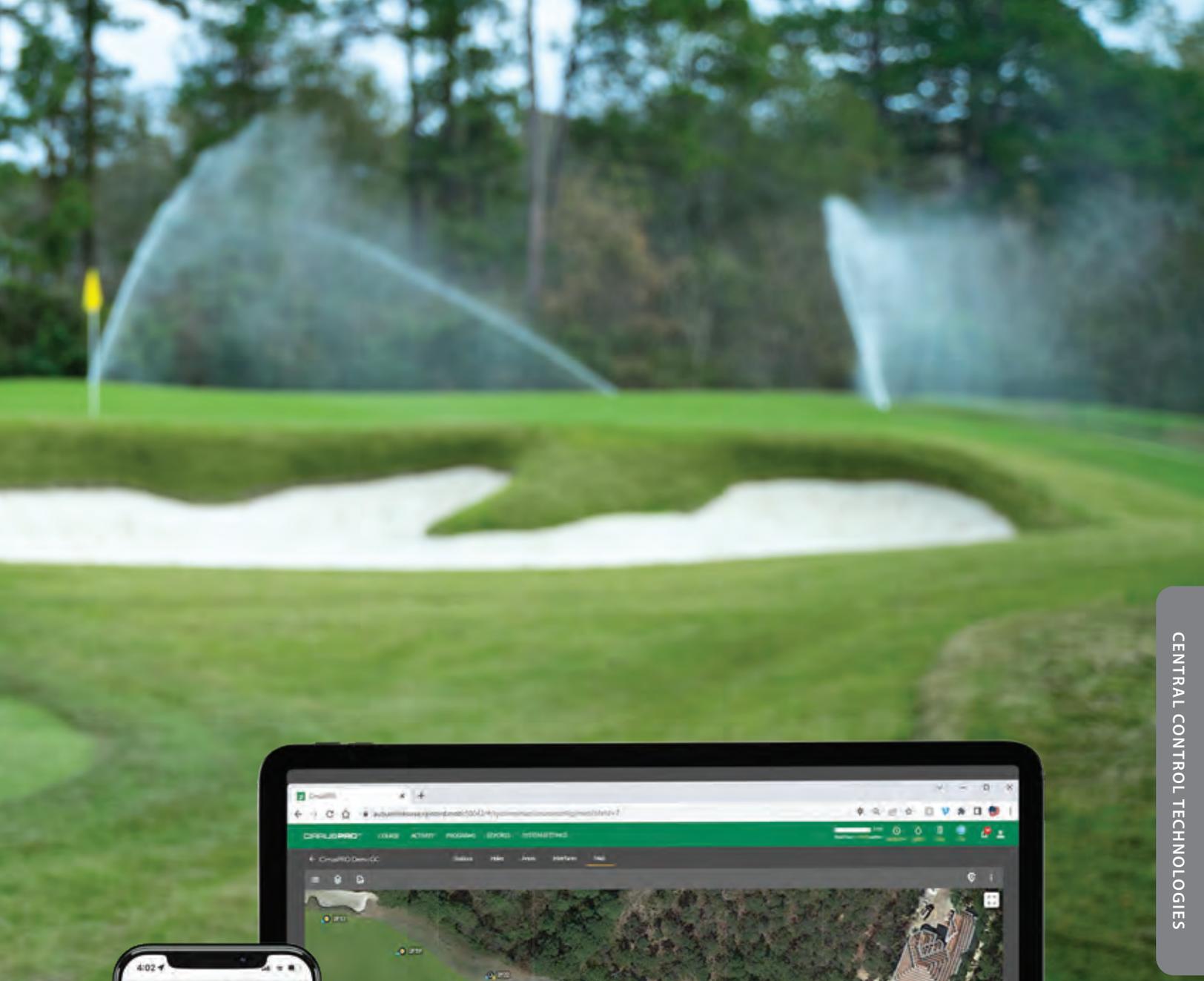


Whispering Pines

# Central Control Technologies

## ***Make Your Investment Work Smarter.***

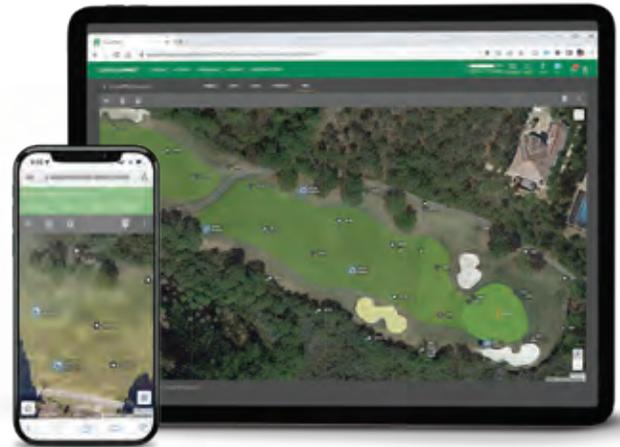
Level up your game with the CirrusPRO™ Central Control System. With real-time responses to changing conditions, you'll simplify irrigation management. Timeless Compatibility™ lets you rest assured that any Rain Bird software and its future updates will work with your existing field hardware.





## CirrusPRO™

Go completely mobile with CirrusPRO and get full central control from a mobile device anytime, anywhere, any place. With CirrusPRO you can make any irrigation changes directly from the map and watch your updates happen in real time. No matter what the day brings, you'll be ready with CirrusPRO.



### FEATURES & BENEFITS

Engineered to help you save time and money, CirrusPRO offers a state-of-the-art golf irrigation control system with an intuitive user interface (UI) and precise water management features.

- **Irrigation That Goes Where You Go:** As the only mobile-first irrigation control system on the market, you get a high level of performance from anywhere, on any device.
- **More Freedom:** Add unlimited users, choose from multiple languages and adjust settings for multiple stations all at once.

- **Better Data:** Irrigate precisely with real-time data that monitors and notifies about course conditions.
- **Complete Control:** Water through patented Rotation, Application, ET and Runtime.



### SOFTWARE HIGHLIGHTS

- Custom course, hole and station names
- Programming in seconds, minutes and hours
- Runtime control through System Level Water Budget, Program Adjust, Schedule Adjust, Schedule Level Temporary Adjust, Program Level Temporary Adjust, Station Level Temporary Adjust as well as Station Adjust
- Detailed reports including: Station Runtime, Alarms and Warnings, Monthly Report Card, Monthly Flow, Flow Log Graph, Water Management, Yearly Water Consumption and Rainfall
- Weather data communication
- Automated email and texts for alarms
- Automatic weather-based adjustment from a wide range of weather source options
- User-selectable languages
- Configurable settings by user
- Make irrigation adjustments directly from the map
- Compatible with Rain Bird Golf Irrigation Systems

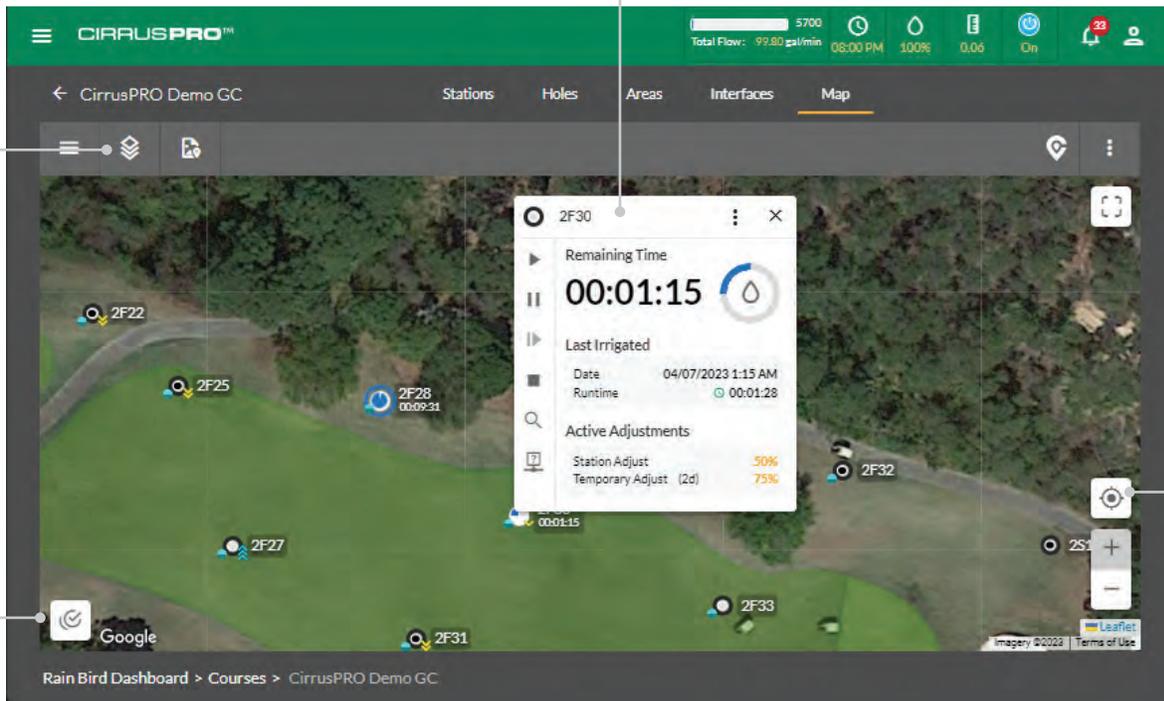
**CUSTOM MAP LAYER ICONS**

Check high-level information without selecting a station.

-  Identify stations with irrigation adjustments
-  View stations programmed for Cycle+Soak™
-  See remaining station time

**STATION WINDOW**

Map access offers important station information quickly and easily. Select any rotor on your map to access the station window. Then execute irrigation actions like starting, stopping, pausing and resuming a station. Users will see the time remaining, last time a station was irrigated, any active station adjustments, run and view diagnostics.



**MULTI-STATION SELECTION**

Complete tasks faster in fewer clicks. Select multiple stations while on the course to perform irrigation actions with ease.

**FIND ME**

Pinpoint current location to irrigate nearby areas with ease.

**TROUBLESHOOT DIRECTLY FROM THE MAP**

Eliminate the need for separate applications like MI or Freedom and quickly run irrigation or diagnostics in real time directly from the map.

**IRRIGATE WITH PRECISE CONTROL**

Patented watering by rotations gives you control of irrigation with unparalleled precision.

**CUSTOM DASHBOARDS**

Customize your dashboard with drag-and-drop functionality to display the data that matters to you.

**OPTIMIZE YOUR IRRIGATION WITH DRYRUN™**

Quickly preview the efficiency of your irrigation schedule allowing for adjustments prior to irrigation events to shorten water windows, optimize pump efficiency and save electricity.

## Rain Can

A rain can working in tandem with our patented Rain Bird® Rain Watch™ technology responds in real time to rain events; reducing wear and tear and creating a more efficient, intelligent system.



### FEATURES AND BENEFITS

- The only system designed to automatically react to rainfall and adjust sprinkler application rates to take full advantage of natural rain, thereby eliminating over-watering.
- Saves water and electricity, while keeping the course drier and more playable, by pausing, adjusting or canceling irrigation in the event of rainfall.
- Results in reduced wear and tear on irrigation system components.

### HOW RAIN WATCH MANAGES RAINFALL

- Stationed throughout the course, up to four (4) high-resolution Rain Watch rain cans collect rainfall data.
- Each irrigation program can be set to react to any one of the available rain cans.
- The central control system continuously polls each rain can.
- Rainfall data received by the system is used to make intelligent decisions based on user-defined responses.

## Weather Station

Enhance your turf's quality with Spectrum's WatchDog\* weather station. By harnessing real-time evapotranspiration (ET) data, you can precisely irrigate using CirrusPRO for optimal results.

### FEATURES AND BENEFITS

#### Efficient Water Management.

- CirrusPRO uses weather sensor input to determine ET rates based upon a field-proven proprietary equation for ET.
- Updated weather data can be viewed in CirrusPRO and used to calculate ET to determine irrigation times for the entire system or by specific areas or stations.
- Generate reports in CirrusPRO to show current or past weather conditions by the hour, day, week, month or year.

#### Easy to Use and Expand.

- CirrusPRO makes it easy to add multiple weather stations and connect them with specific areas of the golf course to provide precision control.
- WatchDog weather stations with CirrusPRO are simple to set up, configure and integrate.
- WatchDog offers five additional ports for increasing sensor inputs.

*\* Must be purchased through Rain Bird Authorized Distributor*



## The FREEDOM System™

The FREEDOM System handheld provides reliable, two-way communication with your Rain Bird system. Use it to choose from command-based or schedule-based operations, making irrigation adjustments a snap. Either way, The FREEDOM System puts you in control of your irrigation management system wherever you are.

### SYSTEM FEATURES AND BENEFITS

- **Two-way Communication with Rain Bird Centrals.** Audio response at radio indicates command received by central.
- **Station- and Program-Based Commands.** Provides the flexibility to turn ON or OFF any station or an entire area with the click of a few buttons.
- **FREEDOM-Based Commands Recorded at Central.** Irrigation activity logged at the central whether stations turned ON with FREEDOM System or with central.
- **Optional Flo-Manager® Bypass.** Permits FREEDOM user to bypass Flo-Manager.
- **Optional Operating Window.** Allows user to define FREEDOM usage hours, which helps superintendents to control irrigation activity.
- **Two-Way Voice Communication.**
- **Telephone Operation.** All FREEDOM commands can be activated using a telephone connection.

### RADIO FEATURES AND BENEFITS

Weather-resistant and reliable. The NX-3320-k3 handheld radio is built to survive the drops, hard-knocks and weather environments of its users. The NX-3320-k3 meets or exceeds the demanding MIL-STD "driven rain" standard, which guarantees water-resistant performance even in wet weather.

- **LCD Display.** 4-line basic (2-line main/sub-LCD, icon & key guide) with 14 characters; 5-line text message frame (3 lines of text, icon & key guide).
- **Extra-Long Battery Life.** 1400 mAh batteries deliver more than nine (9) hours of operating time on a single charge (5-5-90 duty).
- **One-Year Warranty.**
- **MIL-STD 810 C/D/E/F Environmental Tests.** Meets or exceeds the stringent IP/54/55 dust and IP67 water intrusion standards and full range of tough MIL-STD 810 C, D, E, F and G environmental standards in categories such as vibration, shock, dust, humidity, rain, temperature, solar radiation and atmospheric pressure.

### SPECIFICATIONS

**Frequency:** 450 – 470 MHz (Narrowband)

**NOTE:** Site survey and license required

**Power:**  
**100 V/110 V:** 60 Hz

#### HOW TO SPECIFY

<b>FREEDOM</b>	–	<b>SP</b>
MODEL		CONTROL TYPE
FREEDOM		SP

