



# ESP-RZX Series Controller

## 4, 6, 8 Fixed Station Contractor Grade Controller for Residential Use



### Specifications

- Station timing: 0 to 199 min
- Seasonal Adjust; -90% to +100%
- Independent schedule per station (zone)
- 6 Start Times per station (zone)
- Program Day Cycles include Custom days of the week, Odd, Even, & Cyclical dates
- Manual SINGLE station (zone)
- Manual ALL stations (zones)

### Electrical Specifications

- Input required: 230 VAC  $\pm$  10%, 50Hz
- Output: 24 VAC 650mA
- Power back-up: 2 x AAA batteries maintain time and date while non-volatile memory maintains the programming

### Dimensions

- Width: 6.65 in. (16,9 cm)
- Height: 5.90 in. (15,0 cm)
- Depth: 1.54 in. (3,9 cm)

- Large LCD display with easy to navigate user interface
- Weather Sensor input with software override
- Master valve/pump start circuit
- Non-Volatile (100- year) program memory
- Programmable under battery power
- Three-year trade warranty.
- Station based Scheduling, allows for independent schedules assigned to each station. (Run times, Start Times and Watering Days are customizable)
- At-a-Glance programming allows users to visually identify the scheduled start time, run time and days to water
- Contractor Rapid Programming™ automatically copies the Start Times and Watering Days from station 1 to all remaining stations at initial set up
- 6 independent Start Times per station
- 4 Watering Days options by station: Custom days of week, ODD calendar days, EVEN calendar days, Cyclic (every 1 – 14 days)
- Manually water ALL or SINGLE station on demand
- Contractor Rapid Programming™ and “Copy previous Station” for faster initial set up
- Contractor Default™ Save / Restore
- Weather Sensor bypass
- The ESP-RZX Controller requires only two mounting screws. A guide for ½” or ¾” conduit allows for professional installation of field wires into the cabinet.
- Plastic wall-mount case - UV Stabilised, including internal panel)
- 4, 6 or 8 zone units
- 2 x AAA batteries for time and date backup (included)

## Key Functions



## Easy to Use Manual Watering Functions

- Water One Station
  - Press the **MANUAL WATERING** key
  - Press **+ or -** to select any ONE station, then press **NEXT**
  - Press **+ or -** to set the desired Run Time, then press **NEXT** or **AUTO** to begin watering
- Water All Stations
  - Press the **MANUAL WATERING** key
  - 'ALL' stations appears as the default selection, press **NEXT** to continue
  - Press **+ or -** to set the desired Run Time, then press **NEXT** or **AUTO** to begin watering

## Advanced Features

- Electronic diagnostic circuit breaker

### In the event of an error condition, the following steps take place regarding the error:

- The affected station number and 'Err' alert message will show on the display when the unit is in either **AUTO** or **MANUAL WATERING** mode
- All irrigation for the affected station is cancelled and watering advances to the next operable station in the irrigation queue
- **NOTE** - the controller will attempt to water the affected station again at the next scheduled watering, completion of a successful watering will clear the error condition associated with that station.



## Advanced Features (Continued)

- Contractor Rapid Programming™

**Copy programming from any one Station to the next SUBSEQUENT station number. For example, copy from Station 1 to Station 2:**

- Press the **SCHEDULE** key
- Press **+ or -** to select the **SUBSEQUENT** station number
- Press and hold **BACK**, then press and release the **SCHEDULE** key

- Contractor Default Save

**Save irrigation schedules as the default:**

- Press the **OFF** key
- Press and release both **ON** and **BACK** keys at the same time
- **'OFF' SYMBOL** will blink to confirm schedules are saved

- Contractor Default Restore

**Restore previously saved default irrigation schedules:**

- Press the **OFF** key
- Press and release both **ON** and **NEXT** keys at the same time
- **'OFF' SYMBOL** will blink to confirm schedules are restored

- Factory Default Restore

**Restore the controller's factory default settings:**

- **CAUTION** - all programmed irrigation schedules currently stored in memory will be lost
- Press the **SEASONAL ADJUST** key
- Press and release both **BACK** and **NEXT** keys at the same time
- **NOTE** - contractor default settings remain stored in separate memory and are not affected

- Reset Button

**If the controller is not working properly, you can try pressing RESET**

- **NOTE** - all previously programmed watering schedules remain stored in memory, but the current Date/Time will need to be set again

- Weather Sensor bypass by Zone

**Set controller to OBEY or IGNORE a Rain Sensor:**

- Press the **SCHEDULE** key
- Press **+ or -** to select the desired Station number
- Press and release both **BACK** and **NEXT** keys at the same time to toggle between OBEY and IGNORE
- **'NO SENSOR' SYMBOL** is displayed when IGNORE is selected





# LNK WiFi Module

Compatible with Rain Bird ESP-Me & ESP-RZXe



## Specifications

- Supported Mobile Devices
  - Apple devices running iOS 8.0 or greater;
  - Android devices running OS 4.4 (KitKat) or later
- Wireless Frequency Bands Supported
  - 2.4 GHz only
- Wireless Networks Supported
  - 802.11 b/g/n only
- WiFi Security Modes Supported
  - None, Open, WEP, WPA-TKIP, WPA-AES, WPA2-TKIP, WPA2-AES, WPA2-AES-TKIP
- Communication Modes Supported
  - Communication with module via module Access Point (hotspot);
  - Communication with module via local area network; Communication with module via Rain Bird relay server

## Electrical Specifications

- 24VAC(RMS) 50/60Hz; 55mA max

## Dimensions

- Width: 1.13 in. (2.87cm)
- Height: 1.83 in. (4.65cm)
- Depth: 0.48 in (1.22cm)

- Designed to work with controllers you already understand and install
- To upgrade existing controllers, simply plug the LNK WiFi Module into the accessory port and open the app
- Operates like a remote onsite and provides complete access to the irrigation system while offsite
- Simple to use app, provides homeowners with the access they need and desire
- Professional features allow for easy multi-site management for contractors
- Built-in notifications provide troubleshooting access, simplifies service calls, and warns when freezing conditions are expected
- Automatic weather adjustments provide daily runtime changes to save up to 30% more water
- Superior programming capabilities are designed to meet the most stringent water restrictions
- Instant access allows for real-time system management
- Designed for contractors who manage multiple controllers and sites
- Quickly group controllers by geography, subdivision, street or another process your company uses
- Increases technician efficiency and simplifies service calls and/ or winterizations

## Build your schedule

Create custom watering schedules to keep plants healthy and lower water bills.

Customize each zone's:

- Frequency – Water on Odd, Even, Custom, or Cyclic days
- Start Times – Up to 6 per zone
- Run Time – Adjustable watering duration

## Customize every zone

Tired of remembering what part of the yard the blue wire goes to? Name zones to clearly identify the watering areas.

Need help identifying the zones? Use the "Water Now" feature inside the app to turn on zones one by one, and then simply rename them.

Show or hide zones in the app with the press of a button.

## Use only what is needed

Watering the same amount each day as the weather changes doesn't make sense, but who wants to change the watering times every day? We do!

By simply turning on Automatic Seasonal Adjust\*, the controller's daily watering schedule will change based on the season as well as local weather, temperature, and humidity.

- Save time, water and money.
- Keep plants healthy.

*\*Example: If the Run Time (watering duration) is set for 10 minutes, a seasonal adjustment of 40% will change the run time to 4 minutes. This data is pulled for the specific postcode and calculated every night.*

## Watering delay

Rain Bird WiFi-enabled controllers support an optional rain sensor that turns off during local weather events.

But even without a rain sensor, you can suspend the watering schedule using the app as often as you like.

- Turn off watering for up to 14 days
- Allows for rain shutoff remotely

## Share Access

It's easy to share access to the controller with homeowners or other technicians in your company without having to provide the password.

Click on the email icon below the picture of the controller, and send a file that can be imported directly into the Rain Bird app.

- Easy to share with anyone who has a compatible mobile device
- No limit on the number of shares, and no extra charges
- Easy to change access to users – just reset the password

## Stay in touch

Enable notifications in the Rain Bird app and we'll make sure you know what's happening in your customers' yards.

Know when any of these events occur:

- Someone has enabled a watering delay
- Automatic Seasonal Adjust has been applied
- The date or time on the controller is incorrect
- The controller disconnects from the WiFi network
- There might be a freeze in the area

