

# BASESTATION 3200S



Certified by  
IAPMO R&T

## Engineered for Intelligent Site Management

The BaseStation 3200S™ site management controller gives its users more control and more data than ever before. It supports Baseline's patented two-wire technology and conventional wire and retrofit solutions. Plus, the advanced flow management features, flexible communication options, and industry leading water management solutions give you the tools you need to manage even the most complex sites.

The BaseStation 3200S combines Baseline's soil moisture sensor-based intelligent watering technology with the industry's best practices for weather-based irrigation into a single user interface. The BaseStation 3200S could help you reduce water use by up to 62 percent.

By leveraging Baseline's responsive technology and performance components, the BaseStation 3200S is able to run up to 99 concurrent zones and manage non-irrigation zones with ease.

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**BASELINE**™

# Get real-time alerts, messages, and data

AppManager is Baseline's central control framework that gives you access to the newest, most powerful site management applications available.

You can customize your site management experience by picking and choosing which applications work best for you. Baseline applications provide you with the best management tools for commercial irrigation system management, flow management, analytics and reporting, and more.



Ethernet



Wi-Fi



Cellular



Radio

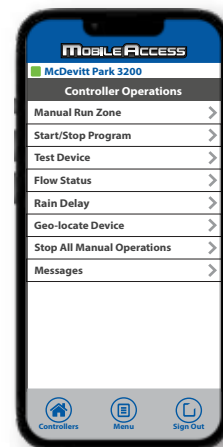
Every BaseStation 3200S includes a built-in Ethernet port so the controller is Internet-ready out of the box. Wireless connectivity options include Wi-Fi, cell modem, and spread-spectrum radio.

## BaseManager Central Control

BaseManager™ is a powerful cloud-based central control and remote access platform that allows any BaseStation 3200S controller to be managed remotely over the Internet. With BaseManager, you'll be able to do everything you normally have to do at the controller from the convenience of any Internet-connected device.

## Mobile Access™ - the ultimate remote control

Mobile Access™ is a mobile web application that allows you to operate your BaseStation 3200S with any web-enabled smart phone or mobile device. You'll have quick and easy access to important manual operations like turning zones on and off, starting and stopping programs, testing devices, and initiating rain delays.



## PipeView

PipeView is a real-time digital model that represents the allocation of water through a site's hydraulic structure managed by a BaseStation 3200S. It provides at-a-glance, color-coded status indicators highlighting flow dynamics plus clickable Water Source, Control Point, Mainline, and Zone boxes.

With PipeView you get:

- Quick and easy-to-understand flow reports to help you manage your site efficiently
- Real-time display of how water is flowing at your site - lets you know what's happening and where
- Color-coded status updates make it easy to understand what is happening at your site
- The ability to make adjustments to your site while you're in the field using your mobile device



## FlowStation App

With the FlowStation App you can remotely configure and manage your FlowStation from a desktop, tablet, or mobile device.

Get quick access to program controllers, share flow between them, and then manage the entire scope of hydraulics.

## Responsive two-wire technology



Every BaseStation 3200S supports Baseline's responsive two-wire devices right out of the box. The strength of Baseline's two-wire solution comes from our patented, true two-way communication. This means our devices provide real-time data where you need it, when you need it.

BL-5200R Powered Retrofit biCoders  
BL-5201, BL-5202, and BL-5204 Valve biCoders  
BL-5201PR Pump Start/Relay biCoders  
BL-5303 Air Temperature Sensors  
BL-5308 and BL-5309 Flow biCoders  
BL-5315B and BL-5311 biSensor Soil Moisture Sensors  
BL-PFS Flow Sensors and BL-BHM Hydrometers  
BL-5401 and BL-5402 Event biCoders  
BL-5406 Pressure biCoder  
BL-LA01 Lightning/Surge Arrestors  
BL-5201DC and BL-5202DC DC-latching Valve biCoders

### Equipment Cost Savings

For what it costs to repair existing old equipment, you may be able to leverage existing wires and still upgrade to the latest technology and have money left over.

### Operational Savings

Internet connectivity means fewer trips to a site, and jobs that formerly required two people can now be done with one. The bottom line—you can do more with less.

### Water Savings

Baseline's responsive soil moisture sensors can significantly reduce water waste. With average water savings of 62 percent, we can show you how to use less water while optimizing plant health.

## Water smart with soil moisture sensors and weather-based data



In order to water smart, comply with water regulations, and prevent over-watering and runoff, you have to know when to STOP irrigating. You can guess or you can measure.

Baseline soil moisture sensors measure the actual soil moisture content where it really matters -- in the root zone. You can determine exactly how much to irrigate and when field capacity is achieved. This information allows you to start, stop, or pause irrigation programs according to highly accurate data.



WeatherAccess™ for BaseManager provides a platform that combines Baseline's soil moisture sensor-based intelligent watering technology with the industry's best practices for weather-based irrigation into a single user interface. WeatherAccess integrates with the Weather Underground network so users can select the weather station that best serves their site. WeatherAccess is available at no additional cost for BaseManager Plus subscribers.

# Maximize resources using Baseline performance components

## Advanced flow management with the FlowStation

With the addition of a FlowStation™, you can monitor, manage, and share water resources between as many as 20 BaseStation 3200S controllers. The FlowStation will talk to each BaseStation 3200S, determine how much water it needs at a given time, and allocate the water accordingly. The FlowStation can manage up to 40 mainlines, 20 control points, and 20 water sources.

**Flow Monitoring:** With the FlowStation, you have the ability to monitor for high and unexpected flow events. The FlowStation will take action when a flow fault is detected and discontinue use of the faulted control point.

**Flow Management:** The FlowStation maximizes the number of valves and controllers that can operate at once based on the amount of water that is available. Multiple BaseStation 3200S controllers can operate simultaneously and the FlowStation will manage which controllers get water and how much they are allowed to use.

**Site Management:** The FlowStation is compatible with advanced features on the BaseStation 3200S such as program priorities, start, stop and pause conditions, and water budgets.

## Use the SubStation as a programming extension of the BaseStation 3200S

The SubStation™ wirelessly connects to the BaseStation 3200S controller using Ethernet radios or wireless network. Once networked, the BaseStation 3200S can program and run all zones and devices connected to a SubStation. Obstacles for a wire path such as roadways, water features, or buildings are easy to plan around with SubStations. A single BaseStation 3200S can connect with up to 8 SubStations, and because each SubStation has its own 24 volt transformer, the BaseStation 3200S can run up to 99 zones concurrently thus dramatically reducing window windows.



BaseStation 3200S



SubStation

With the SubStation you can bring the latest in smart irrigation technology to any conventional wire or two-wire site. It will also serve as a two-wire extender meaning that when connected to a SubStation, the two-wire run length can extend another 8,000 feet.

# Flow Management Features and Capabilities

The BaseStation 3200S is designed to give you as much visibility over your irrigation system as possible. It all begins when you program your system starting from the water source itself. Knowing where your water comes from and how much you have budgeted directly informs how to properly use the resource. Next, you assign a control point to the water source. This is the point in the system where you control the flow of water and you control the data you collect. A control point can be a master valve, a pump, a flow sensor, a pressure sensor, or any combination of these devices. A control point attaches to a mainline which directs the flow of water to where you need it on your site. Finally, a mainline ends at a zone which could be a sprinkler valve or a water feature.

This flexibility in your programming model allows you to know where your water is going and when.



200 zones



8 mainlines



8 control points



8 water sources

## Shorten water windows and find leaks fast

The BaseStation 3200S's programming and features enable you to take precise control over the water at your site. Baseline's irrigation controller software can learn the flow for each zone and maximize the number of zones it can turn on at once to help shorten your water windows. In the event of unexpected high or low flow or pressure, the controller will automatically determine which zone is at fault and alert you without interrupting the rest of the watering cycle. And, of course, Baseline irrigation controllers can protect your site from mainline breaks with configurable high and low flow or pressure shutdown settings.

### Advanced flow allocation

The Baseline system automates flow allocation intelligently using control point technology. This opens the door for powerful flow management features.

One example is a feature called, "dynamic flow allocation." This feature allows a BaseStation 3200S to automatically turn on or turn off irrigation pumps that supply the system with water based on the amount of flow required to supply the downstream zones with water.

For example, if the downstream zones require 50 gpm, the 3200S will turn on the first pump that can supply 50 gpm. Suppose more zones call for water and they require an additional 100 gpm. The 3200S will automatically turn on the next pump that can supply an additional 100 gpm.

This means the system is operating according to what's needed and it won't run pumps unnecessarily which wastes costly electricity and diminishes the lifespan of the pump.

### Stabilize flow using pressure data

The BaseStation 3200S controller communicates with our BL-5406 pressure biCoder. This gives the BaseStation 3200S the ability to start, stop, or pause programming based on PSI readings from the device. You can even shut off pumps or master valves based on high pressure or low pressure events.

You can program operational delays based on PSI readings from the pressure biCoder. By programming delays between zone operations your system will run with more stable flow.



## Features that Matter

- Supports up to 200 zones
- Supports two-wire and conventional wire
- Supports up to 25 soil moisture sensors
- Supports 99 programs
- Supports up to 8 water sources
- Supports up to 8 control points
- Supports up to 8 mainlines
- Supports up to 99 concurrent zone operation
- Includes Baseline's advanced flow management and monitoring features
- Use pressure readings to Start, Stop, and Pause management and monitoring features
- Supports weather-based watering
- Built-in Ethernet port
- Supports Wi-Fi, cell modem, and spread spectrum radio
- Water source prioritization
- Program prioritization
- Intelligent Water Rationing™
- Compatible with the FlowStation™
- Compatible with the SubStation™
- Controller-level tiered passcodes
- Detailed, on-screen instructions and help

## Solutions for Your Project

The BaseStation 3200S offers irrigation features that can help you manage any landscape project you might have. New construction or retrofits, big projects or small, the BaseStation 3200S has the solution.

- School districts
- Parks departments
- Municipal landscape departments
- College and university campuses
- Commercial properties
- High-end residential properties
- Homeowner's associations
- Water-harvesting projects
- LEED projects
- Building management projects
- Professional athletic stadiums
- Sports turf and playing fields
- Greenhouse and hydroponic projects

## More than an irrigation controller, it's a site management controller

If you need to automate and manage more than just your irrigation system, the BaseStation 3200S has the programming power to help. The BaseStation 3200S can operate up to 99 concurrent zones and 99 programs which gives you significant programming opportunities for your site to run lighting zones, water features, bathroom door locks, branded signage, and much more.

## Efficient Retrofit Solutions

The BaseStation 3200S lets you retrofit using your existing wires, valves, and flow devices. You may be able to achieve as much as a 40 percent cost savings by combining multiple old controllers into one Baseline controller. By upgrading to a BaseStation 3200S, you'll get industry leading smart irrigation technology, flow monitoring and management, and Internet connectivity.

