



## Software & Hardware Components

bodhi

# Bodhi Software



Intuitive, comprehensive monitoring and control of guest rooms, meeting rooms, restaurants and common areas will be yours with Bodhi.

Bodhi brings all the technology on your property together under a single interface so simple anyone can begin using it right away.

Extremely secure, Bodhi provides role-based access to rooms, areas, systems and devices, and all communications are encrypted.

Crucially, Bodhi will help you significantly reduce energy costs, avoid or minimize flood, water, and mold damage, shrink maintenance and personnel costs, improve security, and lower insurance rates, all while improving guest satisfaction.

Choose only the software components you need and match them with low-cost hardware from Bodhi or with the Crestron or other control systems you already own.

## Dashboard, Analytics, Control, Events

**#DACE** is Bodhi's core application, bringing you centralized monitoring, analysis, control, and scheduling of virtually all the technology on your property from a single interface.

**An extremely simple Dashboard** (shown above) allows you to look at your property as a whole, then drill down to individual areas, rooms, scenes, systems and devices.



**Analytics** automatically logs device and system use plus alerts and trouble tickets, then graphically displays them. A customizable reporting package dives deeply into performance, tracking life and energy use, scheduling preventative maintenance, and reviewing the use and value of each component.


**Control** configures or adjusts systems and devices as appropriate. Adjust temperature, open and close draperies, turn on lights or trigger lighting presets (and much more) right from your Dashboard.



**Events** allows you to set up alerts then automatically send them to appropriate staff via SMS texts or email. For example, alert security should a door be left open; notify maintenance if there's a leak or flood. Events automatically sets up a Trouble Ticket from any alert, making it easy to monitor its resolution.



## Bodhi Event Scheduling



Mon	Tue	Wed	Thu	Fri	Sat	Sun
8:00am Meeting	8:00am Meeting	8:00am Meeting	8:00am Meeting	8:00am Meeting	8:00am Meeting	8:00am Meeting
11:00am Start of Day	11:00am Start of Day	11:00am Start of Day	11:00am Start of Day	11:00am Start of Day	11:00am Start of Day	11:00am Start of Day
12:00pm Lunch	12:00pm Lunch	12:00pm Lunch	12:00pm Lunch	12:00pm Lunch	12:00pm Lunch	12:00pm Lunch
2:00pm California Time	2:00pm California Time	2:00pm California Time	2:00pm California Time	2:00pm California Time	2:00pm California Time	2:00pm California Time
3:00pm Evening	3:00pm Evening	3:00pm Evening	3:00pm Evening	3:00pm Evening	3:00pm Evening	3:00pm Evening
8:00pm Showings	8:00pm Showings	8:00pm Showings	8:00pm Showings	8:00pm Showings	8:00pm Showings	8:00pm Showings

**#ES.** The Bodhi Event Scheduler combines a calendar with a job panel to create and schedule one-time or recurring events using almost any kind of technology. For example, turn lights on or off and select lighting levels. Combine multiple fixtures into groups and schedule them together. Set up or trigger presets and scenes. Schedule by the hour and minute or by the astronomical times of sunrise and sunset.

## Bodhi Presence Detection

**#PD.** A simple module that works with a Bodhi or Crestron occupancy sensor or Bodhi Thermostat to allow Bodhi to trigger 'welcome,' and 'away' presets that include lighting, climate, audio, video and other technologies. Used with Bodhi PMS Integration, it can alert your property management system of the presence of guests in each room.



## Bodhi Predictive Maintenance

**#PM.** Predict the potential failure of various components and systems on your property, then send alerts requesting timely maintenance. In this way, avoid downtime and keep guests safer and more satisfied.

Bodhi Predictive Maintenance does all this by tracking not only the age and hours of use of each component but its adherence to its manufacturer's specifications. Should a component begin to draw more AC power than specified, for example, Predictive Maintenance can detect that and send an alert to your staff to service or replace that item.

## Alexa Voice Integration for Bodhi

**#AVI.** Your guests will love voice control.



When used with an Echo-compatible device and a Crestron, Bodhi, or compatible third-party control system, Bodhi Alexa Voice Integration gives guests the ability to control lights, shades, draperies, climate and entertainment systems with simple, intuitive voice commands. In addition, it will allow you to monitor and manage your Alexa devices from the dashboard and other Bodhi modules.



## Bodhi PMS Integration

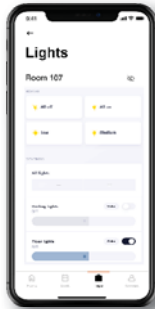


**#PMS.** Enhance the power of Bodhi by integrating it with your property management system, triggering 'welcome' scenes at the arrival of new guests, energy-saving 'eco' modes when they check out, and, depending on the other Bodhi components you choose, keep the PMS apprised of the presence of guests or others in a room.

## Bodhi API Access

**#API.** Add the power of Bodhi into the native, branded apps created for your property or hospitality chain.

Now guests will be able to operate the lighting, shading, climate and entertainment systems installed in their guestrooms using their smart phones and your app!



## Bodhi Hardware

Low-cost Bodhi wireless components extend the power of Bodhi software to monitor and control key functions of your property.

## Bodhi Bridge

A simple device that greatly enhances your ability to manage the many technologies on your property.



The Bridge combines a wireless radio with an Ethernet port, two wired general purpose inputs, and either a Wi-Fi or LTE cellular card. Together they allow you to connect up to 32 certified Bodhi wireless devices plus water meters, AC power meters, and specialized instruments and sensors to Bodhi.

## Bodhi Thermostat

An elegant, one-piece temperature and humidity controller with integrated occupancy sensor.

For one- and two-stage control of forced air, radiant, heat pump, and fan coil HVAC systems.



Communicating with Bodhi via either a Wi-Fi or LTE cellular connection, the Thermostat also signals the presence of guests and is controlled by Bodhi in return.

With studies by Energy Star showing that an energy management system can save hotels 35% - 45% of their total guestroom energy costs by turning down the climate systems in unrented rooms, it only makes sense to install such a system.

Yet the Bodhi Thermostat goes beyond those basic savings by allowing Bodhi to trigger temperature, lighting, and other setbacks even when rooms are rented, but guests are away.

## Bodhi Thermostat Bridge

Like the Thermostat, the Bodhi Thermostat Bridge can save at least 35% - 45% of your guestroom energy costs using its built-



in occupancy sensor and encrypted Wi-Fi or LTE cellular communications with Bodhi.

At the same time, its built-in Bridge can connect up to 32 certified Bodhi devices wirelessly, plus many standard water meters, AC power meters, specialized instruments and sensors via a general purpose wired input.

In this way, this single, low-cost device can be the hardware hub of any Bodhi-controlled room, providing everything you need to monitor, manage and control all of the technology in a guestroom or residence.

## Bodhi Wireless Door Sensor

Add a new level of protection to your property by alerting security when a guest leaves a door open. With the Wireless Door Sensor installed, the dashboard in Bodhi will always tell you if a door is open or shut, and Bodhi can send alerts if it's left open for a specified period, say 10 or 15 minutes. Bodhi can even trigger events, such as shutting down the AC, if the door stays open past a specific timespan.



## Bodhi Wireless Occupancy Sensor

A low-cost, reliable sensor that detects when guests or homeowners are present or away, allowing Bodhi to trigger energy-saving temperature, lighting, and other setbacks based on their presence.

Used with Bodhi PMS Integration, it can also alert your property management system of the presence of guests in each room.



## Bodhi Water and Flood Sensor

The leading cause of property loss claims in hotels and other commercial real estate, major leaks and floods can be greatly mitigated with timely detection.



Install the wireless Bodhi Flood Sensor anywhere leaks or floods may occur: in basements and utility rooms, near plumbing risers and drain lines, at ground floor entrances, and under sinks or behind refrigerators.

Through the Bodhi DACE application, it will immediately alert staff to water problems so they can shut down systems or make needed repairs.

## Bodhi Wireless Water Meter

Mold and mildew can be a major concern in warmer climates, where even a tiny water leak can promote dangerous mold growth.



Take control by linking Bodhi DACE to an occupancy sensor and water meter in each residential unit or guest room. Should the meter show a flow when the unit is empty, Bodhi will send an alert to maintenance to check for a leak.

Need to add more water meters to make flow detection practical? This simple device is inexpensive enough to install in each unit. Wireless communications makes installation a snap.

## Bodhi Controllable Outlet

A simple, wireless accessory that can control any plug-in AC device with your Bodhi system. Shut down lamps and appliances when a room is unoccupied or control warmers and urns in a restaurant or meeting center.



## Bodhi Temperature/Humidity Sensor

A low-cost, wireless device that tracks humidity and temperature independently of thermostats.

Especially useful in bathrooms and other areas where humidity can rise, it can alert you, through Bodhi, to possible problems and trigger fans or other devices to prevent damage.



## Crestron



Crestron and Bodhi unify the many technologies installed on your property, so they can work together intelligently, lowering your costs and boosting your efficiency. Bodhi uses every Crestron innovation, but adds functionality, simplicity and centralized management.

## Crestron Commercial AV

Crestron is the gold standard for commercial audio and video sys-

tems, providing end-to-end quality for background music systems, meeting center AV, and audio and video switching and routing, including divisible ballrooms.

Bodhi gives you simplified setup, control and scheduling of any and all Crestron systems.

## Crestron Lighting and Shading

Crestron commercial lighting control systems and automated custom window treatments are world class.

In common areas and offices, guest rooms and residences, Bodhi adds simplified scheduling, management and control while enhancing the comfort, convenience, and satisfaction of your guests.



## Crestron Home

*Home* is Crestron's most affordable, easiest-to-deploy control solution.

Optimized for the control of lighting, climate, and entertainment systems, *Home* keeps improving, with software updates that automatically adapt it to changing technology, including the latest iOS and Android operating systems.

Bodhi adds dramatically to *Home*'s value, linking it to your property management system, expanding its capabilities and simplifying its use. With Bodhi, *Home* becomes a great solution for guest room and multi-unit residential control.



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