



# BitWise Audio / Video Automation Solutions





With products designed and backed by mission-critical control, monitoring, and AV systems integration experience, Leviton is uniquely equipped to provide powerful and flexible products for the expanding commercial, industrial, educational, and residential control-systems markets.

# Table of Contents

## Solution Sheets

Boardroom .....	1-2
Classroom .....	3-4
Hospitality .....	5-6
House of Worship .....	7-8
Stand-Alone Home Theater .....	9-10
Home Theater Integrated with Home Automation ....	11-12





## Boardroom Solutions Audio and Video

### Integrated Solutions - Leviton BitWise is All Business In the Boardroom.

When Integrated Communications won a two-year contract with Durham County to automate their office building, they knew it would be a challenge. There were more than 20 conference rooms, and each one required a different set-up. The county government's needs ranged from simple televisions with tabletop connections in some rooms, to complex designs in others that included 80-inch displays with sound reinforcement and education training recording systems.

When Integrated Communications presented several automation options, Durham County officials selected Leviton because of its flexibility and ease of use. Staff members were delighted to learn they could control a complex system with nothing more than a tablet and an app.

***"Leviton has enabled us to give the customer one iPad to control the entire Durham County AV system from any location in the campus."***

*– Jonathan Rigsbee, Integrated Communication Services, Inc.*



From a single, easy-to-use control app, end-users can manage every aspect of lighting, AV, room temperature, and more for their business – even if there's more than one location.

**We make it easy on our integrators (and their clients) in the boardroom.  
Ask us how you can get started.**






## WHY CHOOSE LEVITON?

Leviton's BitWise line offers powerful automation controllers, a vast array of GUIs for a completely customizable app interface, and our easy-to-use, no-coding-required Project Editor software. What else could you want? How about:

- No per-device or per-job licensing fees.
- Controllers that are assembled in the United States to ensure the highest standards of quality and reliability.
- Award-winning technical support for when questions arise about tough installs.
- Limitless scalability.
- Apple and Android control apps that are not only free, but can also control more than one location's system on a single device.
- From a single, easy-to-use control app, end-users can manage every aspect of lighting, AV, room temperature, and more for their business – even if there's more than one location.



CAT. NO.	SOLUTIONS PACKAGE:	
BWBC1		<b>LEVITON BITWISE (BC1)</b> The BC1 is a powerful audio/video automation controller capable of handling virtually any automation task.
BWBC2		<b>LEVITON BITWISE (BC2)</b> The BC2 has all the processing power of our BC1 controller, but in a mid-sized form factor.
BWBC4		<b>LEVITON BITWISE (BC4)</b> The BC4 is perfect for basic single-room solutions, or as an expansion controller in larger projects.



## Classroom Solutions Audio and Video

## Integrated Solutions - Leviton BitWise Earns an A+ in The Classroom.

When Nanpeng Technology snapped up the coveted contract for a brand new college campus in Hong Kong, they knew they were expected to install the best and most reliable automation technology available.

That's why they took advantage of the flexibility of the Leviton BitWise controllers to complete the project. They used BitWise BC1 and BC4 controllers in 21 classrooms, setting them up to control the projector, projector screen, Blu-ray player, presentation switcher, lighting system, volume control, and the system power in each room. They used an additional Leviton BitWise controller to monitor the status of every room's technology, and automate the system shutdown each day. Now it's easy for instructors to give multimedia presentations, and simple for system administrators to monitor technology and energy usage.

The size and complexity of the project was daunting, but the Nanpeng Technology team is convinced BitWise was the right choice. "Network communication was very critical to this project," Vincent Chen, Nanpeng's programmer, explained. "BitWise provided a great platform for us."



From a single, easy-to-use control app, end-users can manage every aspect of lighting, AV, room temperature, and more for their business - even if there's more than one location.

**"We had confidence that BitWise could fulfill project needs, and it did."**

- Simon Tsoi, Chief Technology Officer at Nanpeng Technology

**We make it easy on our integrators (and their clients) in the boardroom.  
Ask us how you can get started.**



## WHY CHOOSE LEVITON?

Leviton's BitWise line offers powerful automation controllers, a vast array of GUIs for a completely customizable app interface, and our easy-to-use, no-coding-required Project Editor software. What else could you want? How about:

- No per-device or per-job licensing fees.
- Controllers that are assembled in the United States to ensure the highest standards of quality and reliability.
- Award-winning technical support for when questions arise about tough installs.
- Limitless scalability.
- Apple and Android control apps that are not only free, but can also control more than one location's system on a single device.
- From a single, easy-to-use control app, end-users can manage every aspect of lighting, AV, room temperature, and more for their rooms or campus – even if there's more than one location.



CAT. NO.	SOLUTIONS PACKAGE:	
BWBC1		<b>LEVITON BITWISE (BC1)</b> The BC1 is a powerful audio/video automation controller capable of handling virtually any automation task.
BWBC4		<b>LEVITON BITWISE (BC4)</b> The BC4 is perfect for basic single-room solutions, or as an expansion controller in larger projects.



## Hospitality Solutions Audio and Video

### Integrated Solutions - Leviton BitWise is Right at Home With Hospitality.

When Doug Harbert of Harbert Home Systems landed a contract to automate a trendy local restaurant, he knew he wanted to give them more than a remote to control their music and televisions. He planned to give them a system that was reliable, scalable for the future, and included tools that could immediately improve their business.

Harbert selected a Leviton BitWise BC4 controller for AV management for Tavern 109. A new restaurant housed in a historic building, it was important to the establishment's owners that the control system reliably automate TVs and sound equipment without jarring the historical sense of the building. Harbert wall-mounted the BC4 in an out-of-sight cabinet to make the automation system seamless to patrons, set up an iPad to control the entire restaurant, and customized the control interface to match Tavern 109's branding. Now employees can switch TV stations, change the music, and show daily menu specials from one tablet, and Harbert is able to scale the restaurant's system as their needs grow.



From a single, easy-to-use control app, end-users can manage every aspect of lighting, AV, room temperature, and more for their business - even if there's more than one location.

***"The staff interacts with the iPad, and it was just about half an hour in terms of system education. I really only had to teach them the interface. They're off and running after that."***

*- Doug Harbert, owner of Harbert Home Systems*

**We make it easy on our integrators (and their clients) in the hospitality industry.  
Ask us how you can get started.**



**WHY CHOOSE LEVITON?**

Leviton's BitWise line offers powerful automation controllers, a vast array of GUIs for a completely customizable app interface, and our easy-to-use, no-coding-required Project Editor software. What else could you want? How about:

- No per-device or per-job licensing fees.
- Controllers that are assembled in the United States to ensure the highest standards of quality and reliability.
- Award-winning technical support for when questions arise about tough installs.
- Limitless scalability.
- Apple and Android control apps that are not only free, but can also control more than one location's system on a single device.
- From a single, easy-to-use control app, end-users can manage every aspect of lighting, AV, room temperature, and more - even if there's more than one location.



CAT. NO.	SOLUTIONS PACKAGE:	
BWBC4		<b>LEVITON BITWISE (BC4)</b> The BC4 is perfect for basic single-room solutions, or as an expansion controller in larger projects.



LEVITON®

## House of Worship Solutions Audio and Video

### Integrated Solutions - Leviton BitWise Works Every Day in a House of Worship.

Churches, synagogues, mosques, and other houses of worship require the same level of performance from their automation systems as any for-profit organization. These environments hold unique challenges, however, for the integrator who takes them on. Integrators who choose BitWise Controls will meet the core concerns of their clients.

It's cost-effective. Leviton BitWise offers competitively-priced controllers that can schedule events by time of day as well as by sunrise and sunset. This feature can be used with HVAC and lighting systems for significant savings.

It's reliable. Leviton BitWise products are backed by 20 years of mission-critical control experience, and are trusted globally with managing vital functions.

It's easy to use. Leviton BitWise systems are controlled using intuitive apps on Apple and Android phones and tablets – devices with which both staff and volunteers would almost certainly be familiar.

Lights, shades, sound systems, video, screens, microphones, HVAC systems...and costs. All of a house of worship's automation needs can be easily managed with BitWise Controls.



From a single, easy-to-use control app, end-users can manage every aspect of lighting, AV, room temperature, and more for their business – even if there's more than one location.

**We make it easy on our integrators (and their clients) supporting houses of worship.  
Ask us how you can get started.**




**WHY CHOOSE LEVITON?**

Leviton's BitWise line offers powerful automation controllers, a vast array of GUIs for a completely customizable app interface, and our easy-to-use, no-coding-required Project Editor software. What else could you want? How about:

- No per-device or per-job licensing fees.
- Controllers that are assembled in the United States to ensure the highest standards of quality and reliability.
- Award-winning technical support for when questions arise about tough installs.
- Limitless scalability.
- Apple and Android control apps that are not only free, but can also control more than one location's system on a single device.
- From a single, easy-to-use control app, end-users can manage every aspect of lighting, AV, room temperature, and more - even if there's more than one location.



CAT. NO.	SOLUTIONS PACKAGE:	
BWBC2		<b>LEVITON BITWISE (BC2)</b> The BC2 has all the processing power of our BC1 controller, but in a mid-sized form factor.

**LEVITON®**

## Home Theater

### Stand-Alone Solutions

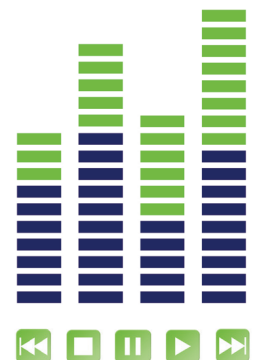
### Manage Your Home Theater System With Ease and Comfort

Home theater systems can comprise of many components (TVs, audio systems, Blu-Ray/DVD players, projectors and screens, motorized shades, lighting, and more). Tying them together to operate as a single unit can be very complex. Each component is provided with it's own remote, which causes clutter and confusion when searching for the correct remote to control a specific function. Leviton's BitWise Automation Controller eliminates this problem by connecting all components to a single hub, which can be controlled from a single interface. Leviton provides you with a free iOS app for your iPhone, iPad, or iPod Touch, where you can control your entire home theater system with the touch of a button. Customize your interface with Leviton's free Project Editor software.

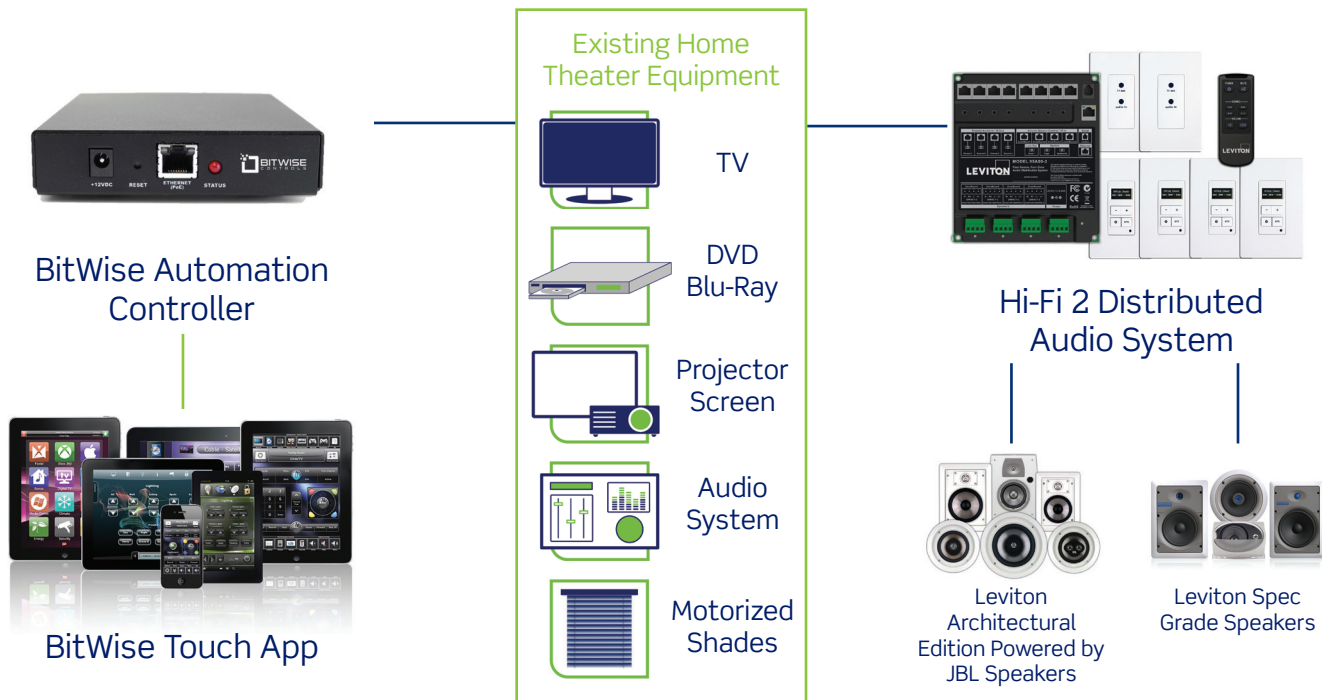


### Features and Benefit

- Stand-alone operation when combined with free BitWise Touch app
- Control from iPhone, iPad, or iPhone Touch
- Use serial, digital, and infrared (IR) ports, as well as relays to control home theater equipment
- Includes a built-in IR library of over 300,000 IR codes
- Free Project Editor software package, which allows full interface customization of layouts, buttons, fonts, colors, and macros







## Solution Package



### BitWise Automation Controller (BWBC4)

The BitWise Automation Controller (BWBC4) provides a stand-alone option to control your existing audio/video equipment in your home theater, when using the free BitWise Touch app. Control A/V equipment, motorized screens, window coverings, lighting, and other components to your home theater by using the BWBC4 serial ports, IR ports, I/O ports, and relays. Easily add audio/video components with the built-in A/V Library of over 300,000 IR codes or add new codes with the IR Learner. Add IR Flashers (EN928) that attach to the IR Receiver of any A/V equipment you wish to control.



### BitWise Touch App (Available in iTunes Store)

When used with the BWBC4 controller, a free iOS app for iPhone/iPad/iPod Touch can be used to control your home theater equipment. Default templates are provided but may be customized in the provided Project Editor software. The software package includes an attractive standard interface and allows for full customization of layout, buttons, fonts, colors, and macros.



### Hi-Fi 2 Distributed Audio System: Amplifier (4x4 - 95A02-3) (8x8 - 95A01-1)

Share music and TV audio via Bluetooth (95A04-2) with built-in speakers for a clean, professional appearance. Ensure guests never miss a play of their favorite sporting event or a beat of their favorite tune. The BitWise Automation Controller and Hi-Fi work right along side one another, where the BWBC4 controls the source, and the Hi-Fi shares the audio from that source. A free Hi-Fi 2 iOS app exists for control of source/zone. Add Volume-Source Control stations (95A03-1) and Remote Input Modules (95A04-1) for added convenience.



### Leviton Architectural Edition Powered by JBL Speakers

Leviton/JBL Speakers are an excellent choice for front home theater installations as well as the best choice for surround-sound use. Their Elliptical Oblate Spheroidal™ (EOS™) Waveguide improves high-frequency sound dispersion allowing the speakers to generate a sharply focused sound field for precise soundtrack imaging. In-Wall (AEI65, AEI80, AEI55). In-Ceiling (AEC65, AEC80, AEM65). Subwoofer (AESUB)



### Leviton Spec Grade Speakers

When the specs call for quality sound, rely on Leviton's award-winning Spec Grade Sound indoor speaker line for technical innovation and value. In-Wall (SGI65-W). In-Ceiling (SGC65-W).

## Integrate Home Theater Equipment - Leviton Automation System



### Increase functionality. Create an enhanced lifestyle experience.

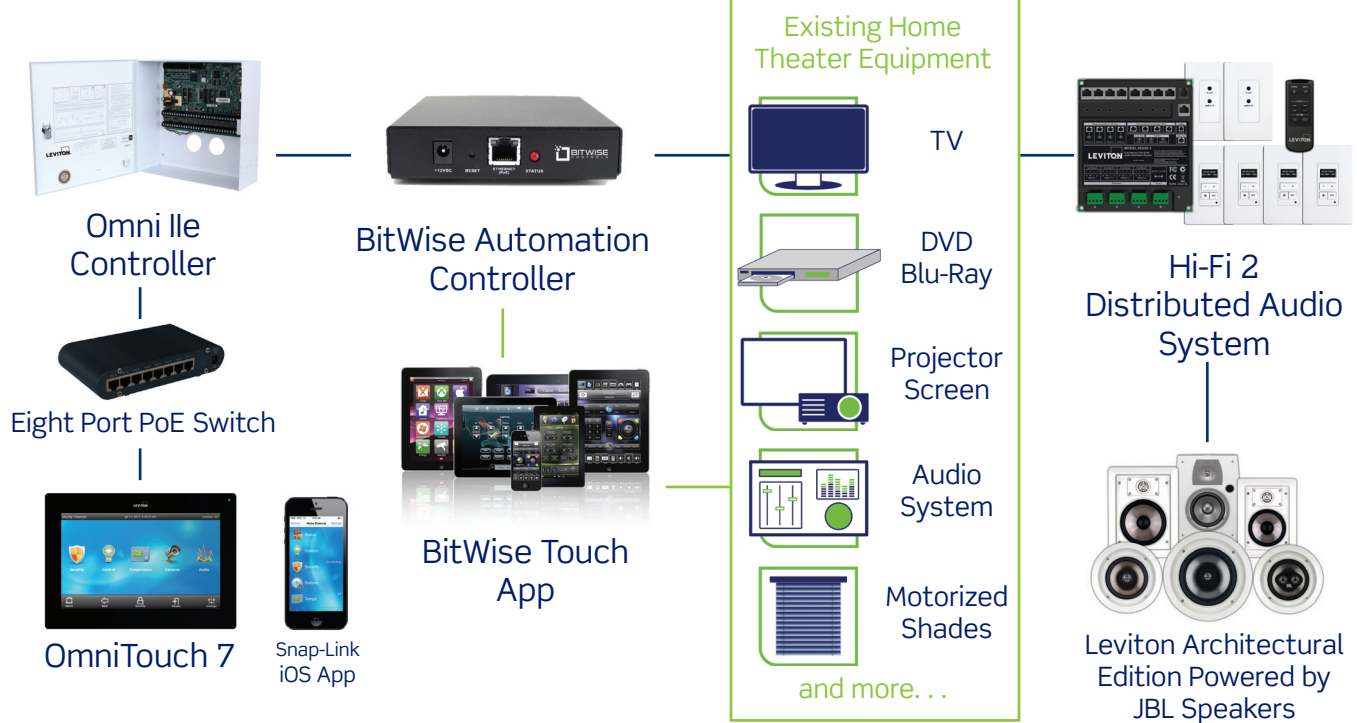
Home theater systems can comprise of many components (TVs, audio systems, Blu-Ray/DVD players, projectors and screens, motorized shades, lighting, and more). Tying them together to operate as a single unit can be very complex. Leviton's BitWise Automation Controller eliminates this problem by connecting all components to a single hub, which can be controlled from a single interface.

Adding a Leviton automation system to the mix provides further convenience and control for any home owner, coordinating security, surveillance, lighting, temperatures, **audio/video**, and more. Again, all can be controlled from a single interface. Leviton provides you with numerous interface options (stationary and remote), which presents flexibility and convenience in controlling your home (OmniTouch 7, Snap-Link Mobile app, BitWise Touch app).

### Features and Benefits

- Free BitWise Touch app - specific to home theater control
- Free Project Editor software - customize interface layouts, buttons, fonts, colors, and macros
- Snap-Link Mobile app provides total home control from any remote location (Zero Monthly Fees)
- Control security, surveillance, lighting, temperature/humidity, audio/video, and more from a single interface (stationary and remote).
- Let your automation system do all the work, by programming specific actions based on schedules and events.





## Solution Package

	<p><b>Omni Ile Controller (20A00-50) OmniTouch 7 (99A00-1)</b>          Omni Ile Controller is the brain of your automation system, coordinating security, lighting, temperatures, audio/video, and more. Pair it with Leviton's award winning OmniTouch 7, which allows complete home control with the touch of a button. Powered by the Eight Port PoE Switch (91A00-1). For added convenience, Leviton offers the <i>Snap-Link Mobile app</i>, which allows you to access this control from any remote location. Even better, there are zero monthly fees!</p>
	<p><b>BitWise Automation Controller (BWBC4)</b>          The BitWise Automation Controller (BWBC4) provides a stand-alone option to control your existing audio/video equipment in your home theater, when using the free BitWise Touch app. Control A/V equipment, motorized screens, window coverings, lighting, and other components to your home theater by using the BWBC4 serial ports, IR ports, I/O ports, and relays. Easily add audio/video components with the built-in A/V Library of over 300,000 IR codes or add new codes with the IR Learner. Add IR Flashers (EN928) that attach to the IR Receiver of any A/V equipment you wish to control.</p>
	<p><b>BitWise Touch App (Available in iTunes Store)</b>          When used with the BWBC4 controller, a free iOS app for iPhone/iPad/iPod Touch can be used to control your home theater equipment. Default templates are provided but may be customized in the provided Project Editor software. The software package includes an attractive standard interface and allows for full customization of layout, buttons, fonts, colors, and macros.</p>
	<p><b>Hi-Fi 2 Distributed Audio System: Amplifier (4x4 - 95A02-3) (8x8 - 95A01-1)</b>          Share music and TV audio via Bluetooth (95A04-2) with built-in speakers for a clean, professional appearance. Ensure guests never miss a play of their favorite game or a beat of their favorite tune. The BitWise Automation Controller and Hi-Fi work right along side one another, where the BWBC4 controls the source, and the Hi-Fi shares the audio from that source. Add Volume-Source Control stations (95A03-1) and Remote Input Modules (95A04-1) for added convenience.</p>
	<p><b>Leviton Architectural Edition Powered by JBL Speakers</b>          Leviton/JBL Speakers are an excellent choice for front home theater installations as well as the best choice for surround-sound use. Their Elliptical Oblate Spheroidal™ (EOS™) Waveguide improves high-frequency sound dispersion allowing the speakers to generate a sharply focused sound field for precise soundtrack imaging. In-Wall (AEI65, AEI80, AEI55). In-Ceiling (AEC65, AEC80, AEM65). Subwoofer (AESUB).</p>



## **Leviton Manufacturing Co., Inc. Global Headquarters**

201 North Service Road, Melville, NY 11747-3138

Telephone: 1-800-323-8920

Fax: 1-800-832-9538

Tech Line: (8:30am-7:00pm EST Monday-Friday) 1-800-824-3005

## **Leviton Security & Automation**

4330 Michoud Blvd., New Orleans, LA 70129

Telephone: 1-504-736-9810

Tech Line: (7:30am-6pm CST Monday-Friday) 1-800-824-3005

## **Leviton International Locations**

---

### **Asia / Pacific**

T: +63.917.557.2777

E: infoasean@leviton.com

### **Colombia**

T: +57.1.743.6045

E: infocolombia@leviton.com

### **Middle East & Africa**

T: +971.4.886.4722

E: lmeinfo@leviton.com

### **Canada**

T: +1.514.954.1840

E: pcservice@leviton.com

### **Europe**

T: +33.6.8869.1380

E: infoeurope@leviton.com

### **South Korea**

T: +82.2.3273.9963

E: infokorea@leviton.com

### **Caribbean**

T: +1.305.523.9332

E: infocaribbean@leviton.com

### **Latin America**

T: +52.55.5082.1040

E: lsamarketing@leviton.com

### **China**

T: +852.2774.9876

E: infochina@leviton.com

### **Mexico**

T: +52.55.5082.1040

E: lmxmarketing@leviton.com

For more information visit our website at [www.leviton.com](http://www.leviton.com)

©2014 Leviton Manufacturing Co., Inc. All rights reserved