

SMARTRONIC

Automation Magazine

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Basalte Asano
multiroom audio system

Abode is a smart home security system that finally makes sense



To Hub or Not to Hub

The Complete Guide to Home Automation

Unique Security Code
I Wish All Smart Home Upgrades Were as Easy as This Light Bulb



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Peer Review: **Basalte Asano** multiroom audio system



Basalte Asano multiroom audio system reviewed by Dawid Hulisz, owner of Poland-based smart home consultancy SmartSpace

Where have you used this product?

We mainly use Asano multiroom in our residential projects. Most of them are 500+ square metres in size. The main reason Asano is a best fit for those projects is its ability to fully integrate with KNX installations (i.e. switches, visualisation, scenes).

We find the range particularly useful for environments where customers are look-

ing for user-based access control to give them the option to hide some rooms/sources from children or guests' eyes. For example, in a project near Wrocław customer wanted to limit his kids to not access his music streams and more importantly alarms in his bedroom, so he does not have to worry about unexpected wake up during the night caused by rock music or something! I'd say this feature being built in helped us win about 80%

of our projects and this is something you can't find in the mainstream market.

The second-most helpful feature for clients is the flexibility of the system. Most residential projects in Poland takes longer than expected and mostly we split projects into more than 2 phases.

Asano allows us to plan for a big system (not necessarily centralised in one rack) and implement it in smaller phases. In one project near Warsaw we have started with 5 zones setup (home cinema in living room + 4 other multiroom zones) and for the next step we added bedroom and office room very seamlessly with additional P1 single room amplifiers in those rooms.

Why did you choose it?

The biggest differentiator of Asano is being a KNX product range. So far KNX integrators had to use external 3rd party

multiroom systems or AV control systems to bring music and video in home automation business they were in. This can now be simplified with Asano with it being configured and programmed with the same tools as KNX home automation.

With S4, N1 modules system is virtually unlimited in what source users want to use for multiroom audio (for instance in 1 project one of our customers has old cassette player as a source. In other we have a high-end stereo CD Player and gramophone connected). But mostly it is TVs used as 3rd party connections (4+ per project).

It really is a solution tailored to the needs of high-end residential projects worldwide because it's so flexible and scalable thanks to modular set-up. It can host a virtually unlimited number of rooms and offers crystal clear music, synchronised across all rooms.



What do you like about it?

The big advantage of Asano in our customer's eyes is its beautiful design, meaning they don't mind putting the devices on shelves in their rooms, which is not always feasible with other options.

From the integrator's perspective and technical side, there are also a few key big wins – for example:

1. Asano has a distribution and control built in. That means its 2 times faster for an installer to build full solution. Most customers wants to have TV, receivers and set top boxes to be part of scenes and Asano has that integration built in.

2. Asano is very flexible in planning the whole system - we can build it as centralised or decentralised - which gives us more freedom to work with Interior Designers on where to put electronic equipment. That also allows you to find cost savings on cabling (speaker cables are quite expensive for long

distances) and brings higher quality as amplifiers are closer to speakers. In some projects we use wardrobes for placement of equipment.

3. System modules allows to connect to anything we have today on the AV market (in one project we even integrated a DJ set for karaoke). An integrator can plan system to connect any sources (and also control them from Asano) and also use 3rd party amplifiers, receivers or active speakers without any worries on future updates of the system.

4. Asano can also be configured as standalone system without KNX and home automation – we have not adapted this part yet though.

5. Bang &Olufsen remote as KNX remote. One thing missing in KNX world was good AV remote. This has changed thanks to BO.sensor and B&O remote.



So you can listen to 4 songs at the same time in different rooms.



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MAKES SENSE

Abode is a smart home security system that finally makes sense

It wasn't that long ago that outfitting your home with a security system required an appointment with some fancy monitoring company, a likely pricey estimate, and then lots of drilling, wire-running, and testing.

Today, thanks to the exploding popularity of smart home devices, you can order a security system in a box, slap some sensors on the walls, and turn your house into Fort Knox in less than an hour. I know this because I spent



want a screwdriver to install the batteries in the camera, lest you use your fingernails or something) thanks to the adhesive mounts, and the gateway and app instantly connected and recognized each individual sensor as I installed them.

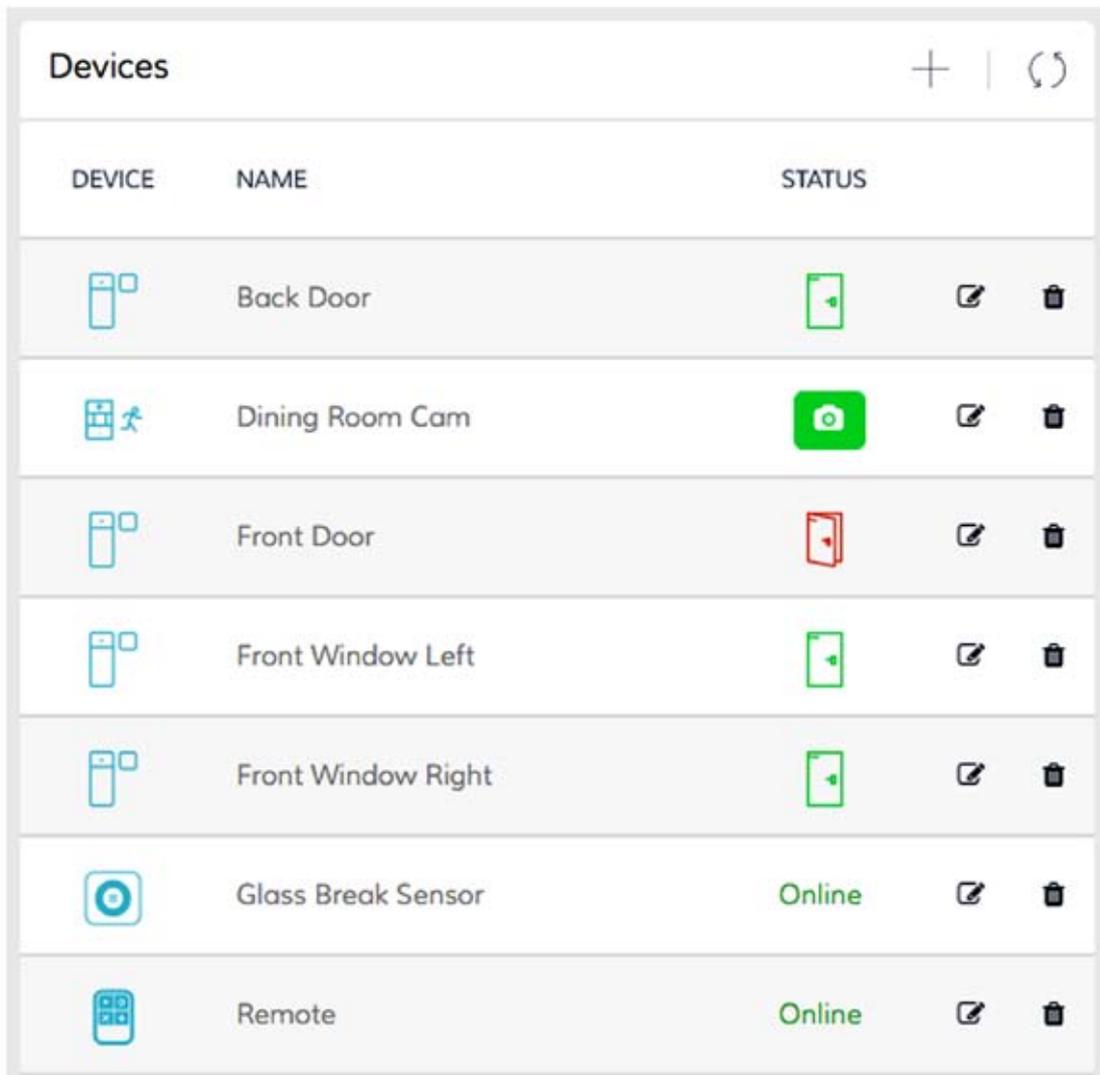
This is of course what you should expect from a smart home security system that promotes itself as being foolproof to set up, but what I didn't expect was just how impressive the range of the sensors would be.

I live in a big, old house, which means even my top-of-the-line \$400 router fails to push my wifi signal from my office (at the front of my house) to my back door.

Since I installed the Abode gateway in my office, I was quite worried that putting a sensor on my back door would be a no-go. Thankfully, that wasn't even remotely true, and the sensor connected instantly without issue.

I'll chalk that up to the "AbodeRF" technology which the company says has proven reliable up three city blocks away when tested in bustling Palo Alto.

Everything about the Abode system is customizable. You can add as many different sensors as you want, and while I didn't test them, the company offers sensors for temperature, smoke/fire, water leaks, and



The screenshot shows the 'Devices' section of the Abode app. At the top, there is a title 'Devices' and two icons: a plus sign and a refresh symbol. Below this is a table with three columns: 'DEVICE' (represented by an icon), 'NAME', and 'STATUS'. Each row also includes two small icons for editing and deleting the device.

DEVICE	NAME	STATUS
	Back Door	
	Dining Room Cam	
	Front Door	
	Front Window Left	
	Front Window Right	
	Glass Break Sensor	Online
	Remote	Online



occupancy, as well as streaming cameras. That level of customization extends to the settings for the system itself, allowing you to tweak the delay between active modes, the volume of the chimes and alarms produced by the gateway, and the frequency of notifications pushed to your email or mobile app.

You can also link the system to IFTTT to create automations based on specific triggers, which is great if you want to link your security system to your other smart home gadgets.

Changing settings and adding automations requires logging into the Abode web dashboard. It would have been nice to have them all right within the app itself, but that's certainly something that could be added down the road. As for how the system actually works, I've been impressed with not just its accuracy but also its speed. There's really no delay between notifications on doors or windows opening, and

when I put the system into its most sensitive "Away" mode, it went into panic mode as soon as I stepped in front of the motion camera. Thankfully, I took Abode's advice and placed the camera high on my wall so my cats and dog won't trigger a false alarm as I snooze.

I also took the opportunity to test out the acoustic glass break sensor by, well, breaking a glass. I grabbed glass jar, plastic bag, and hammer, and sat about 15 feet away from the little white listening device.

As soon as I hit the jar, sending the high-pitched screech of cracking glass into the air, the sensor activated. It could not have been any more perfect, but I was still curious about false alarms, so I streamed a half-dozen "glass break sound effect" videos to my living room TV and, with the volume cranked, subjected the sensor to the artificial shattering sounds. It didn't make a peep.

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Along with powerful new capabilities for controlling your devices, appliances and more, today's home automation solutions make it easier than ever to set up a smart home, with no advanced technical knowledge required to enjoy the most streamlined offerings.

Whether you're looking for options to optimize your existing setup or are simply exploring the possibilities of creating a truly smart home, here's what you need to know about home automation.

To Hub or Not to Hub

The first choice for any home automation setup is deciding whether you want to use a central automation hub. While it's perfectly possible to buy a variety of stand-alone automation devices like networked plugs and light switches, more consumers are choosing to integrate every smart device into a single home automation ecosystem with the use of a smart hub.

Most hubs include software that you can install on home computers, laptops or mobile devices to control connected appliances and smart components, while others rely mostly on voice activated technology to manage your automated devices.

Whatever you choose, make sure its net-

working technology is compatible with the other devices you plan to hook up to the home automation network. Wi-fi and Bluetooth are standard on many devices, but many others rely on network protocols built specifically for home automation, chiefly Z-Wave and Zigbee.

The hub market has advanced quickly, and these days the dedicated single-purpose automation hub seems to be on its last legs. Among the industry leaders in this segment is the Samsung SmartThings hub, which allows you to connect up to 200 different devices and includes a battery backup in case your home power is interrupted.

However, most home automation networks now use multi-purpose networking hubs like Amazon's Alexa-enabled line of voice activated devices, including the various Echo options and Fire TV edition. Like the Google Home and Apple HomePod, these devices fold home automation features into the existing voice-activated features that play music, read headlines and recipes, and otherwise manage your media consumption.

Home Automation for Appliances

With the use of smart switches like the Wemo Switch Smart Plug, it's easy to turn any appliance into a "smart" appliance –

in the sense that you can turn it on and off with the touch of a button, or with a pre-scheduled routine programmed into your automation hub.

For the most advanced automated appliance features, you'll need to buy a product designed for that purpose, like the Samsung Family Hub Smart Fridge, the LG SmartThinQ fridge, or the iRobot Roomba 890 smart vacuum.

These devices let you do things like program the vacuum to run only when you're not home, keep tabs on the contents of your fridge for a recipe or even place an order for more milk when you're running low.

Home Automation for Doors and Security Automated home security options range from simple smart locks that let you make sure you locked your doors by checking

your smartphone, to fully integrated home security systems like the Abode Starter Kit,

which includes door and window sensors to detect intrusions, a security camera, and a key fob to automatically disarm the system when you enter the home.

Such systems usually give you the option to manage and install everything yourself, or you can choose to include a subscription for a professional security monitoring service, effectively turning the system into a (significantly cheaper) professional home security system.

Standalone devices usually operate along the lines of the Nest Cam Indoor, which lets you remotely monitor a home interior, and the Kwikset Kevo line of smart locks, which replace the existing fixtures on your door. By integrating sensors like the In-



Home lighting automation usually relies on an existing automation hub to control various smart bulbs and switches. You'll need a smart switch like the Belkin Wemo Light Switch, paired with automation-capable bulbs like the Cree LED Connected.

steon Motion Sensor II, you can program your automation hub to adjust security concerns based on activity in the home.

Automated Home Lighting

Home lighting automation usually relies on an existing automation hub to control various smart bulbs and switches.

You'll need a smart switch like the Belkin Wemo Light Switch, paired with automation-capable bulbs like the Cree LED Connected.

Depending on the functionality of your hub or other controlling devices, you can do things like adjust the lighting levels or color with your smartphone, or even set up complicated lighting schedules that integrate with home security sensors to detect when you've left the house for the day.

Home Automation for Heating and Cooling

Smart thermostats like the Nest Thermostat were among the earliest automation devices on the market, so it's no surprise that a wide variety of choices exist to integrate into your smart home setup.

Devices like the Nest can integrate with motion trackers and other sensors to learn your family's habits and adjust the climate control schedule accordingly. Any



smart thermostat should include remote on-and-off capabilities and other standard automation features.

Automated Home Entertainment

Smart home entertainment options mostly focus on features like letting you remotely control which speakers music is playing from, or pre-schedule entertainment configurations for specific times of day.

Automated entertainment hubs like the Logitech Harmony Hub can even integrate with your primary automation hub to do things like adjust lighting based on the audio characteristics of the song that's playing, or detect when you've woken up and start playing soft classical music throughout the home.

Whether you're searching for an all-in-one integrated smart home system, or choose to mix and match individual components controlled by a central hub, the possibilities for home automation are nearly endless.

Which self-respecting couch potato
gets up to control the lights.™



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I Wish All Smart Home Upgrades Were as Easy as This Light Bulb

There's an entire standup routine waiting to be written about how smart home accessories can be incredibly dumb and complicated. But one of the easiest smart home upgrades, smart lighting, has just gotten easy enough for even your parents to install without calling you—if they're living in Apple's ecosystem.



Smart HomeSylvania

Letting other people control the bulbs with their own iOS devices isn't as easy.

Smartphone-controlled light bulbs were one of the first smart home products that worked as promised, with minimal fuss. Philips' Hue line, one of the first smart lighting systems available, uses bulbs that look and work just like standard incandescents, with the added convenience that you can remotely control them all from a mobile app. The only catch is that Philips'

system requires a wi-fi network in your home, a base station connected to your router, and yet another adapter squeezed onto your already crowded power bar.

But there's a much easier solution now, as long as you've completely bought into the Apple ecosystem. Installing Sylvania's new Smart+ A19 full-color LED bulb is as easy as changing any of the bulbs in your house, because instead of talking to a base station, they talk directly to your iP-



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REMOTE LIGHT CONTROL - SECURITY - INTERCOM



hone or iPad using a built-in Bluetooth radio, and piggyback on the HomeKit smart home infrastructure Apple introduced to its mobile operating system a few years ago.

Don't worry, if you lose the instruction book, each bulb is tagged with its unique security code.

Once the bulb is screwed into a socket and powered on, you connect your mobile device to it using the iOS Home app—which serves as Apple's mostly user-friendly frontend for HomeKit. For security reasons you need to enter the bulb's unique identifying code, which is as easy as pointing your smartphone's camera at the instruction booklet, or manually entering the number which is also printed on the actual bulb—because who keeps track of where instruction manuals end up these days?

Once connected you can use the iOS Home app to give the bulb a custom name, assign it to a room or a larger collection of smart home devices (like a single floor of a home), as well as turning it on or off, adjusting its brightness, or changing its color. Just keep in mind that while Sylvania has positioned the Smart+ bulb as a legitimate 60-watt incandescent replacement, you're only going to see the full 800 lumens of brightness (the same as a 60-watt bulb) when the bulb's color temperature is set to as close as neutral white as possible. When tinted to deeper colors like red or blue, it becomes considerably dimmer.

The iOS Home app offers very basic functionality for controlling your bulbs, but few will need more than what it has to offer. Piggybacking on Apple's HomeKit and your iOS devices makes installing and setting up the Smart+ bulb easy, but it

does have limitations. Your phone can connect to multiple bulbs using Bluetooth, but each bulb can only be connected to a single mobile device at a time.

So you'll have to use the Apple Home app's invite feature to allow other people to control the bulbs synced to your device, and it's not instantly obvious where this feature is hidden. When using the Philips' Hue app, a simple tap on the hardware hub allows any device nearby to easily connect to the system.

And because it's designed as a jack-of-all-trades for controlling multiple types of smart home devices, the Home app isn't as fully featured as dedicated bulb apps like those from Philips are.

Changing the Smart+ bulb's color through the Home app is rudimentary at best (there are no mood settings, or the ability to color match a photo) and while it's fun to activate your lights using Siri and voice commands, this functionality also works with other smart bulbs, so it's not a Sylvania exclusive.

The use of Bluetooth, which only has a range of about 100 meters, also limits how far you can be while still controlling the Smart+ bulbs from your iPhone or iPad.

Philips' Hue system has a similar limitation as it uses a protocol called Zigbee to communicate with each bulb, but because its internet-connected base station acts as an intermediary between your device and the bulbs, you can easily control your lights while away from home. To do the same through HomeKit requires you to have an Apple TV at home, or an iPad left behind, which serve as the bulb-controlling Bluetooth remote in your absence.

Easy to install, easy to use, not-so easy to pay for.

If your home is already kitted out with Apple gear, then Sylvania's new Smart+ bulbs are easily one of the best options if you're looking for a quick smart home lighting upgrade. Apple will undoubtedly continue to improve the Home app, and the minor hoops you have to jump through to let everyone else in your home control the lights are far from a deal breaker.



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- **Customisation:** Ability to tailor solutions as per consumer need
- **Extensible:** New unforeseen features can be developed and integrated at a later stage

Cure for **INSOMNIA**

Smart Light Offers a Cure for Insomnia



Smart lamp battles insomnia by lulling you to sleep with automated music and colored lights; wakes you up by simulating sunrise.

If you suffer from insomnia, Sleepace has developed a smart lamp that can offer some relief. When you're ready to hit the sack, the Nox smart sleep light, which sits comfortably on a nightstand, bathes you with light and sound programs that adapt to your personal body clock to improve sleep quality with red-light wavelengths.

This reddish light helps raise melatonin levels to promote sleep, and delicate sounds help soothe and calm. If you prefer a different color, though, you can choose to have the light shine in any of 16 million color combinations.

The light and sound is customizable through a companion Sleepace mobile app. The Sleepace app will tell Nox to turn off once you've fallen asleep. The Nox knows this by monitoring your body movement.

From the app you can also set the light to wake you up at a certain time. But unlike a typical alarm clock, Nox wakes you up with a gentle "nudge." Sleepace App will let Nox

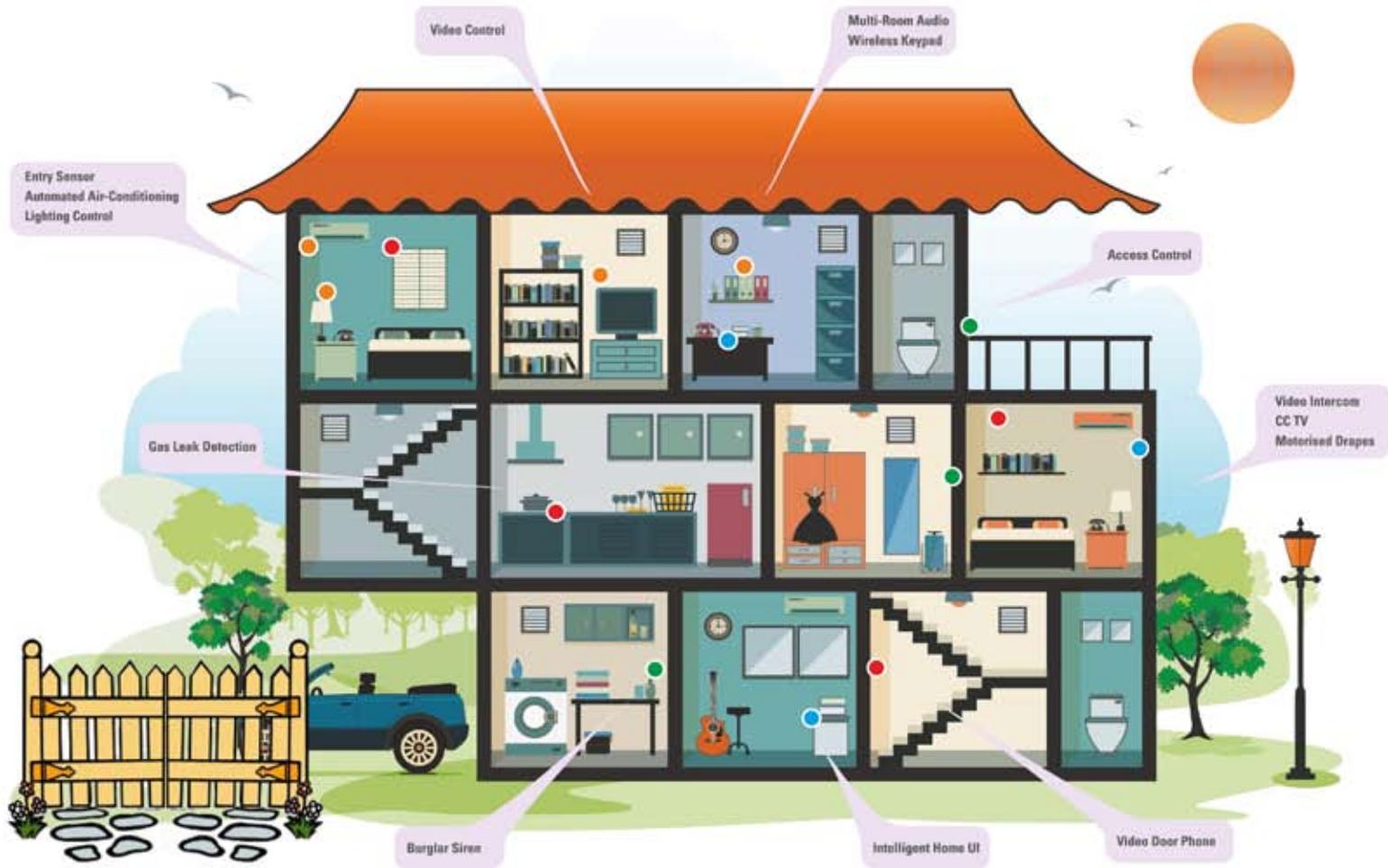
know when you are at the lightest part of your sleep cycle and Nox will wake you up within 30 minutes prior to the time you set—not with a shrill alarm, but with a light that simulates the rising of the sun and the sound of chirping birds.

The Sleepace App is handy, but since Nox is compatible with Amazon Alexa, you can also use your voice to set the light.

Connect the device to the Sleepace app, which is what tracks sleep cycle parameters like time and depth. The data generated from the app provides a comprehensive analysis and scores sleep quality.

The app then educates you with personalized daily reminders designed to help form healthier habits, while sensors monitor temperature, humidity, light levels and noise.

You can refer to the app to find out if it was a barking dog or the lights from passing traffic by your bedroom window that interrupted your sleep.



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One-touch operations and automated Scene Settings

New Cortana

SMART THERMOSTAT

Takes Aim at Nest

Johnson Controls creates GLAS smart thermostat with Microsoft Cortana voice assistant built in.



Last year Microsoft said it wanted to open its Alexa-style voice assistant Cortana up to third parties, and one of its first iterations is here; Microsoft and Johnson Controls have partnered to create a Cortana-powered smart thermostat called GLAS.

Similar to Nest and Ecobee, GLAS will monitor the temperature in a room, raising or lowering it to save energy. It will also include a touchscreen to allow manual controls and informational checks, including temperature, indoor and outdoor air quality and calendar schedule.

A promotional video (view above) also says GLAS will detect whether or not anyone is in a room and operate accordingly.

“GLAS is a thermostat that moves with us. Its daily reporting provides insights needed to create the perfect atmosphere for your business, your home, the places you want to visit ... GLAS knows when you’re in the room and when you’re not. GLAS constantly monitors indoor and outdoor air quality and intelligently changes its settings, making it capable of providing leading energy savings.”

GLAS will run on Microsoft’s Windows 10 IoT Core operating system and have Cortana voice services built in, taking aim at both Nest and Ecobee, which can be controlled via Amazon Alexa.

In the promotion video, Microsoft appears to be marketing the thermostat to businesses and commercial properties as well as residential spaces. The company plans to power GLAS with its Azure cloud services, which would put it right at home in a workplace environment.

That could make GLAS stand out, considering most smart thermostats are geared towards homes and not offices.

If third-party integration is the key to Alexa’s and Google Home’s success, this is a good first step for Microsoft’s Cortana. But the Internet giant doesn’t plan to stop here, saying it will bring Cortana to refrigerators and toasters, too. That’s a new one.



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Smart lighting

Wink Bright aims to make smart lighting easier for consumers to adopt

The Wink Bright consists of a Wink Hub 2 and two pre-paired Sylvania dimmable LED smart bulbs.

Smart-home hub manufacturer Wink is looking to take some out of the guesswork for consumers looking to dip their toes into the smart home market with a new starter kit. Dubbed Wink Bright, the \$119 package includes a Wink Hub 2 that's pre-paired with two Sylvania A19 dimmable LED smart bulbs.





Wink is also marking the release of version 6.0 of its mobile app by adding two new features it calls Home Sitter and Moonlight.

Wink says its market research revealed that 44 percent of American who purchased a connected product were motivated by home safety concerns, so the new bundle and mobile app are designed to address that issue.

With the Wink Bright, homeowners need only to plug in the hub, install the mobile app, connect the hub to the internet, and screw in the light bulbs.

The app will automatically discover the bulbs and the entire process should take less than two minutes, according to Wink. Home Sitter and Moonlight can be found in a new Services tab in the mobile app.

As its name implies, Home Sitter will make it look as though your home is occupied whenever you're away by automatically creating a pattern of lights turning on and off, so that burglars watching your home will think someone is there.

Wink says lights will never turn on during daylight hours, or at unusually early times in the morning when it's unlikely anyone would be awake.

Moonlight ensures your home will always be well-lit by turning your smart lights on and off at predetermined times. By default, it will turn selected lights on at sunset and off at sunrise.

The Wink Hub 2 also supports geo-fencing, so it can also be programmed to turn lights off when you leave the home and on when you return, relying on the GPS chip in your smartphone.

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Dimmer

This in-wall dimmer switch gives your room an instant upgrade.

Wemo Wi-Fi Smart Dimmer review: Smart lighting, plus a snazzy dimmer



The Wemo app lets you establish lighting schedules, control other Wemo devices, and more.

If you have additional Wemo devices, you can set them up to work in tandem with the Dimmer, by setting up a “long press” rule in the app. This can be quite handy if you have additional lights in a room that aren’t connected to the wall switch. A long press can turn on the overhead light, and also control the two lamps in opposite corners—provided they’re connected to Wemo smart plugs.

Credit: Wemo

Is the Wemo Wi-Fi Smart Dimmer the smartest light switch of all time? If you're handy with a screwdriver and some basic wiring, it's an easy winner in the dizzying world of the smart home.

Fear not the spaghetti bowl; it's all less complicated than you'd imagine (as long as you have a neutral wire).

The Wemo Wi-Fi Smart Dimmer is an upgrade to the venerable Wemo Light Switch, but it does more than just add a dimmer to the package.

More on these advanced features later, because if you want to use the Wemo Dimmer, as with the standard Wemo switch, you must first wire it into your wall. The part of the switch that fits inside the wall is quite bulky, much like any in-wall dimmer, so be prepared to use some muscle and creativity to get it into place.

That aside, the design of the switch is handy—you use wire nuts instead of screws on the back or sides of the switch to connect it to your house wiring—but it does take a little knowhow and attention to detail to get the job done. Four wires run out the back: two for load and line, one for the ground, and a fourth neutral wire that must be connected as well.

Some older homes aren't wired with a neutral wire. If you don't find one inside the junction box, you won't be able to install the Wemo dimmer at all.

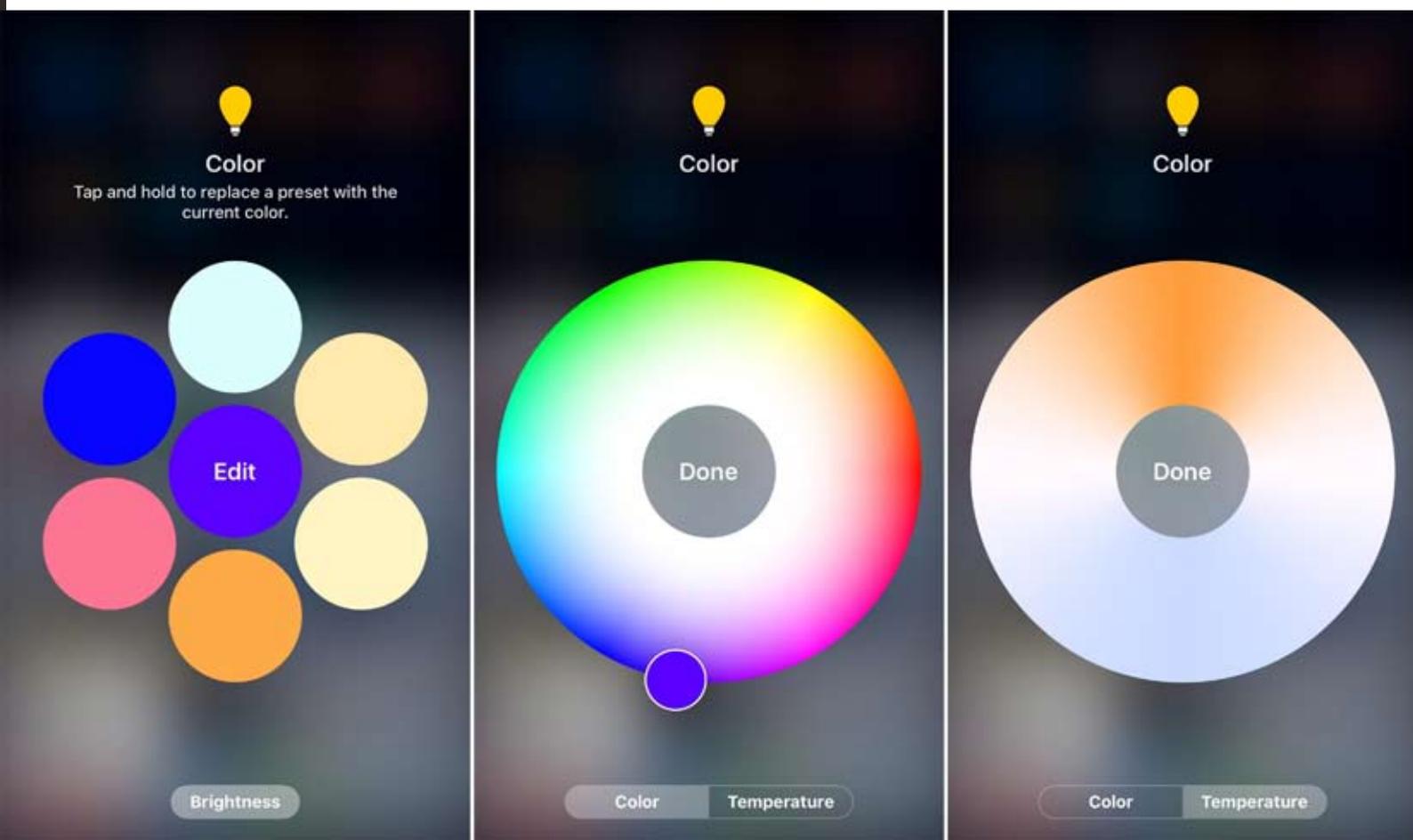
Fortunately, my house had a neutral line, and I had the dimmer installed in about 20 minutes, the only hiccup being that I reversed the load and line wires in my original connections (because the switch I was replacing hadn't been labeled). Wemo is prepared for this common mistake, and its quick-start guide will alert you of the error before you get too far along in the process.

After getting the switch securely in the wall, I spent another 10 minutes installing the app and configuring the switch to access my Wi-Fi network, after which it performed flawlessly throughout my testing.

Belkin

A string of vertical lights indicate the current brightness level of the switch.

Front and center is the dimming system. The app walks you through optimizing power levels and dimming speed based on the type of bulbs you have installed, and dimming is smooth and effective whether you're doing it through the app or through the touch-sensitive panel on the front of the switch.



Christopher Null/TechHive

The Wemo app lets you establish lighting schedules, control other Wemo devices, and more.

If you have additional Wemo devices, you can set them up to work in tandem with the Dimmer, by setting up a “long press” rule in the app. This can be quite handy if you have additional lights in a room that aren’t connected to the wall switch. A long press can turn on the overhead light, and also control the two lamps in opposite corners—provided they’re connected to Wemo smart plugs.

Want to connect to other devices? The Dimmer supports Nest, Alexa, Google Assistant, and IFTTT. Because it’s a Wi-Fi device, you don’t need a smart home hub to make any of these connections work.

I set it up with an Alexa skill in minutes, and was quickly able to dim the lights by voice command. Compatibility with Apple’s HomeKit ecosystem is noticeably absent here, but Belkin says it’s working on it.

theWemo Dimmer isn’t going to be a low-budget upgrade to your home. That’s more expensive than a smart light bulb, and it’s probably pricier than your ceiling light fixture. But the device works perfectly, and the switch’s thoughtful extras—like multi-device control and broad smart home integration capabilities—add to its overall value proposition.



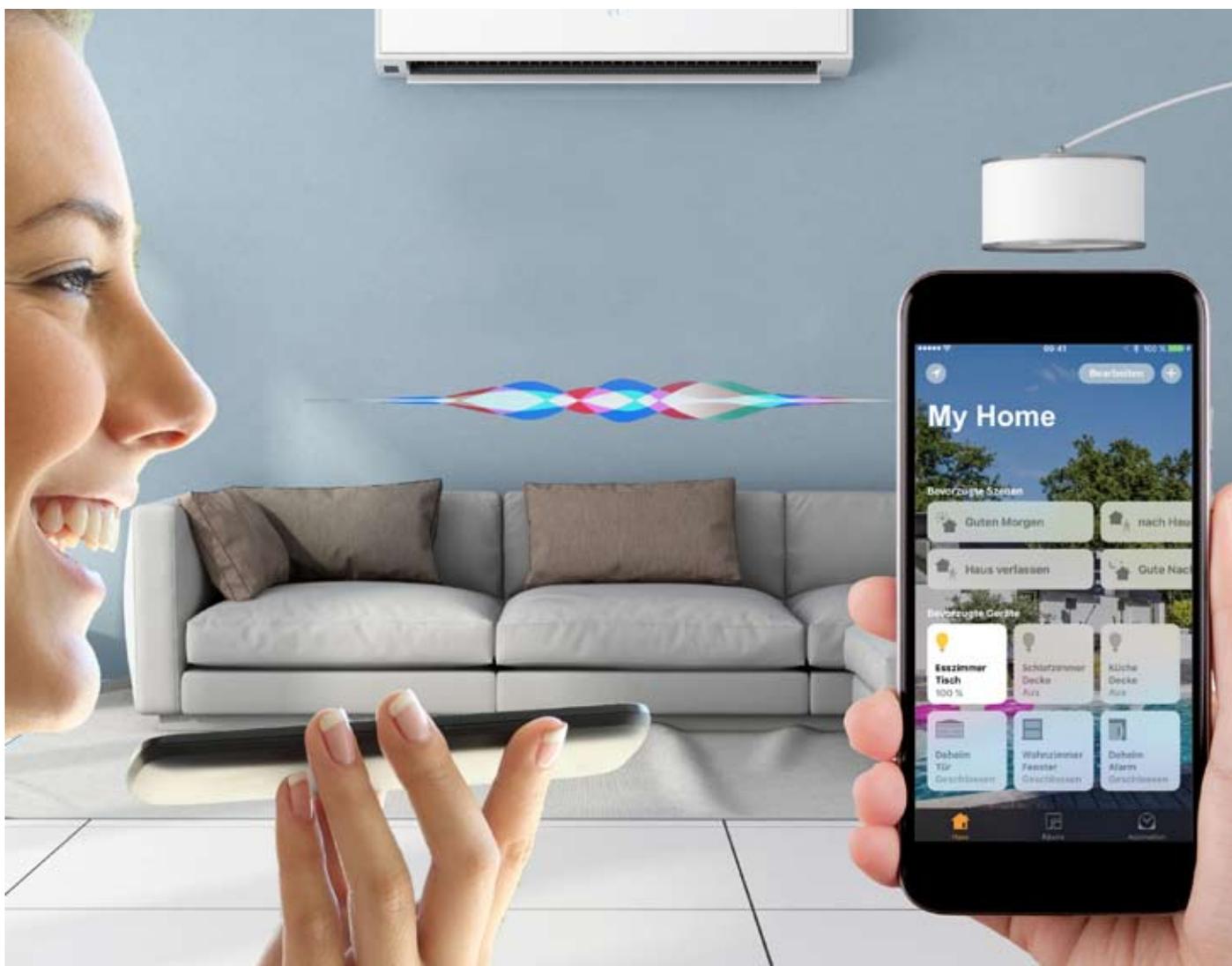
The Wemo Dimmer has gobs of features, especially in comparison to Leviton’s Decora Smart Wi-Fiswitch. Just about anything you can imagine doing with a light bulb can be done through the Wemo app.

A sleep timer lets you turn the light off automatically, and a scheduling system lets you automate the lights by time and day (or sync with sunrise and sunset). Night mode lets you set it to automatically dim to a brightness you specify at certain hours.

Voxior

Launches Voice Control Interface for KNX

VoxiorInc, has launched a voice interface that connects to KNX in minutes. It is ready to use right away and does not require additional hardware, programming or an on-site visit.



Voice – the ultimate interface

The most convenient of interfaces, our voice, is rapidly becoming a reality. With ZD-Net reporting that “in the last 30 months the voice interface industry has seen more progress than in the last 30 years”, and with giants such as Amazon, Google, Apple, Microsoft and Samsung already making a lot of noise, voice assistants are arriving in our homes quickly, and in great numbers.



7" Touch Screen
CHVD-07/01.1

Functions

- It comes with function of smart-home control, and video-door phone (optional)
- With the breathing lamps around the base of screen, and color adjustable lights
- With the function of proximity sensor, The screen starts automatically when people approach
- With the magnetic absorption application, the touch panel is easy to take and install
- Compatible with Android APP, and users can download and install it by themselves
- With multi-point touch screen, gravity sensor, vibration motor function
- The screen can be connected to KNX system directly, without via any converter



Temperature Control Panel
CHTC-86/01.1.1.1

Functions

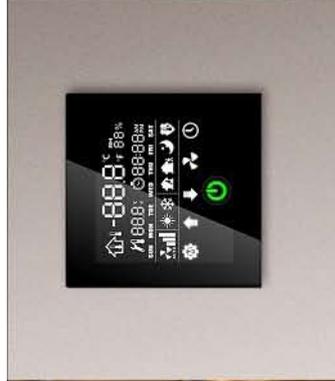
- With capacitive touchscreen tech., and high-contrast screen to achieve excellent display
- The panel has its own sensor to detect and display room's temperature and humidity
- Function of temperature control, with temperature control algorithm by itself
- Function of cycle timer
- Display clock and week. Time can be updated via KNX net
- Backlight brightness is adjustable
- Function of warning tone. Panel warns when button is pushed, and this function can be activated/ deactivated via ETS
- Fold input for thermistor sensor



Smart Home Control Software

Functions

- Switching
- Air-conditioning
- Background music
- Security
- TV
- Blinds&shutters
- Scene
- Value sender



3.5" Touch Screen
CHTF-35/00.1.01

Functions

- Firmware can be upgraded via TF Card
- Support up to 64 buttons, and they can be configured via configuration toolkit on PC and displayed in multi pages
- Support user defined icons for lighting scenario bind control functions
- Connect to KNX directly



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Using your voice to turn the lights on, close the blinds, set the living room for watching a movie, or set the dining room for a romantic dinner is the very definition of a smart home. This fast-moving technology is creating enormous opportunities for new solutions in many different markets, including KNX.

Ready-to-use

Voxior brings the voice interface to the KNX world by tapping into the existing infrastructure and ecosystems created by tech industry giants. It already supports Amazon Alexa in English and in German, and will expand to include Google Home, Apple's Siri, Microsoft's Cortana and other voice assistants in the near future.

No hardware or programming needed

Voxior adds voice integration without any need to change the underlying system programming and connects with the voice assistants that are already present in many homes. This enables Voxior to offer a seamless and fast installation process of the voice interface in a KNX-operated smart home.

Voxior already supports GiraHomeServer and X1 gateways, with others in development.

Easy remote installation

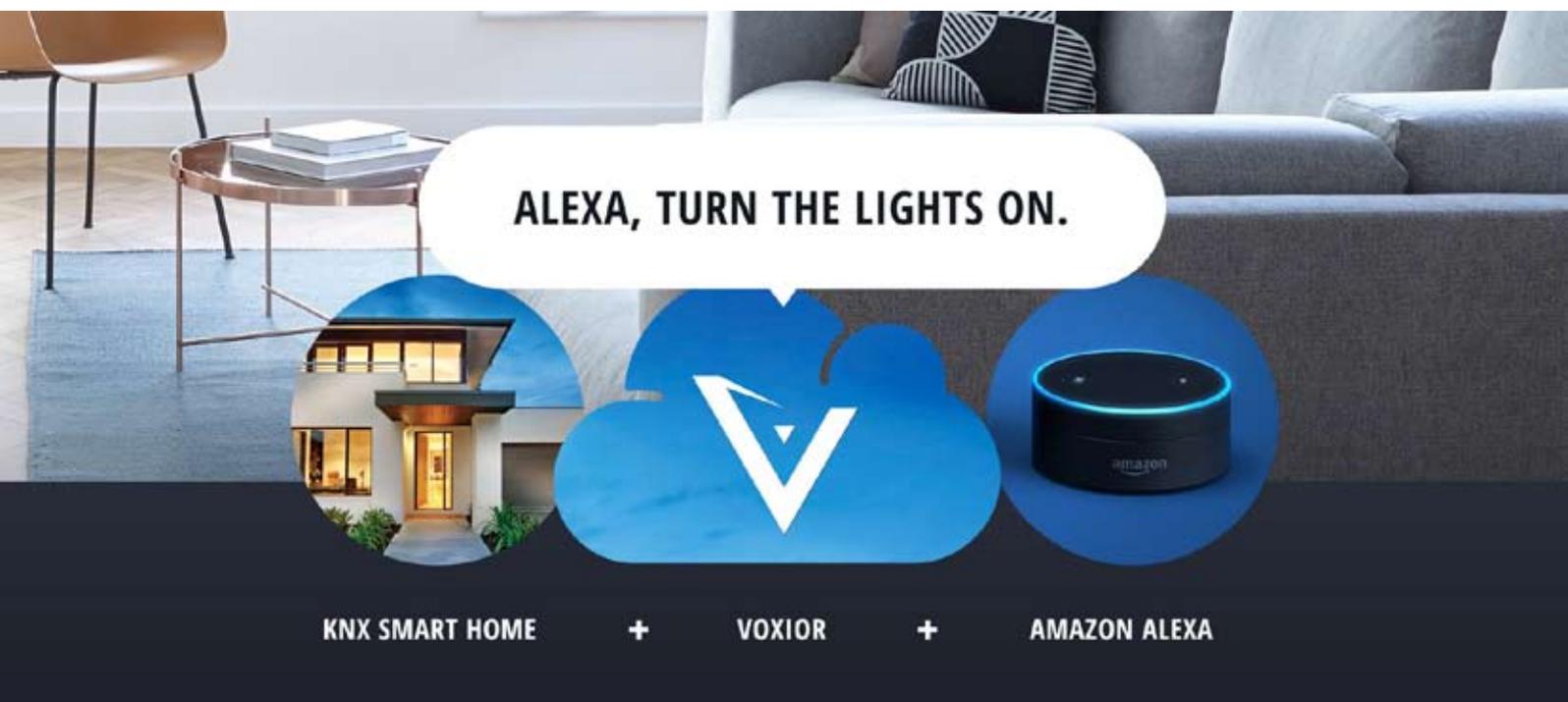
For installers, Voxior offers remote connection to gateways of end users and enables configuration of voice commands without any need for an on-site visit.

This capability, to remotely bring on board and manage new and existing end users, makes it an essential tool for installers. The fact that the installer does not need the credentials of the end user's voice interface account, for example their Amazon account, adds an extra layer of security.

Bringing in more business

Judging by the many satisfied customers who already use Voxior, the inclusion of a voice interface to your KNX smart home solution will broaden your appeal to new customers who are seeking a modern smart home experience. It will also allow you to make homes of existing customers even smarter.

Easy to install, manage and use, Voxior brings maximum revenue to your company with a minimum workload for installers, making the smart home business even smarter.



intelligent mirror



**visiomatic intros
voice-controlled
intelligent mirror**

visiomatic International has launched a smart mirror with HD resolution allowing users to access apps and multimedia with voice commands.

Constructed from semi-permeable one-way glass, the infoMirror incorporates motion detection technology allowing it to switch on and off automatically when in use.

Capable of running several apps, the display can provide a personalised display of information relevant to the user (e.g. daily news, local weather, stock market figures, sports results or lowest fuel prices) whilst also providing access their calendar of events, playlists, health apps, internet radio/YouTube and phone calls and email. The mirror offers 1920 x 1080 Full HD

resolution and is available in 28-in (60 x 40cm) and 39-in (80 x 60) models, with optional integrated HD camera or installation frame at additional costs. With the camera function, users can take images in front of the mirror that can be saved locally and sent via email. The camera can furthermore be used for Skype video calls.

Users can adjust the colour temperature from warm to cold white and dim the brightness (up to 300 lumens) to create their ideal environment.

The smart mirror is compatible with bus interfaces from KNX, Zigbee, Z-Wave, Philips HUE and more for integration with other devices in the home.



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Simple Control launches IoT system

Simple Control offers support for technology from a number of IoT and AV manufacturers



The cloud-based IoT control platform Simple Control has launched in the UK via the distributor Habitech.

Designed to focus on an open, wireless control environment rather than a proprietary, controller-based systems, Simple Control is built around an iOS control app.

The system is able to recognise almost all devices for the home, including smart TV screens, AV receivers, light bulbs, controllers, heating systems and multi room audio setups – all of which can be controlled on the Simple control app via the cloud.

Simple Control offers support for technology from a number of IoT and AV

manufacturers, including Alexa, Fire, Nest, Hue, and SmartThings.

Simple Control brings all apps together in a single two-way UI using what they label “the world’s largest IP, serial and IR libraries” providing preloaded and predesigned graphics, protocols and control codes for thousands of devices.

The system is comprised of five components – the app, Simple Service software (for media and guides and IR control for third party adapters, sensors, triggers, clocks, alarms), Simple Sync software (for remote access and synchronisation), Simple Hub hardware and Simple Blaster (with PoE version, for compatibility with older IR products).

iDevices Socket review: **Retrofits** nearly any lamp, but not cheaply



The iDevices Socket retrofits a regular light socket to make it smarter. It has built-in color-controllable LED ring to communicate status during setup, which acts as a nightlight or accent light at other times.

The fixture turns on an off an incandescent, LED, CFL, or halogen bulb of no more than 60 watts or the equivalent. If the bulb is dimmable, the Socket can control lighting intensity, too.



The protruding portion of the device is about 2 inches tall, limiting it to a lamp with a harp that's 8.5 inches or taller, or a harp-free lamp in which the bulb won't peek out the top or under a shade without causing aesthetic issues or casting light where you don't want it.

You set up a Socket with the free iDevicesConnected app, which is available for Android and iOS smartphones and tablets (this review was conducted using the latter).

The Socket is compatible with Apple's HomeKit smart-home technology, which allows one or more Sockets to be controlled via the Home app and by Siri voice commands.

It can be managed remotely via a HomeKit-enabled Apple TV or iPad. The Socket can also be controlled with voice commands via Amazon's Alexa (Amazon Echo) and Google's Assistant (Google Home).

The iDevices Socket has a built-in variable-color nightlight.

Set up should be easy, but I had trouble with the Socket I was sent. It wouldn't set up initially, and I followed instructions to put it back in pairing mode, which failed. I then used the reset instructions, also simple, and tried to pair, which worked, but didn't complete. After a few more tries, I got the Socket connected to the Wi-Fi network and paired in HomeKit.

In iOS, HomeKit "sees" the Socket as two separate devices, but because of the limited space in how the Home app shows assigned rooms and device names, you'll need to customize each Socket appearance so you can tell the difference between the bulb control and the LED ring.

Socket's place in the market

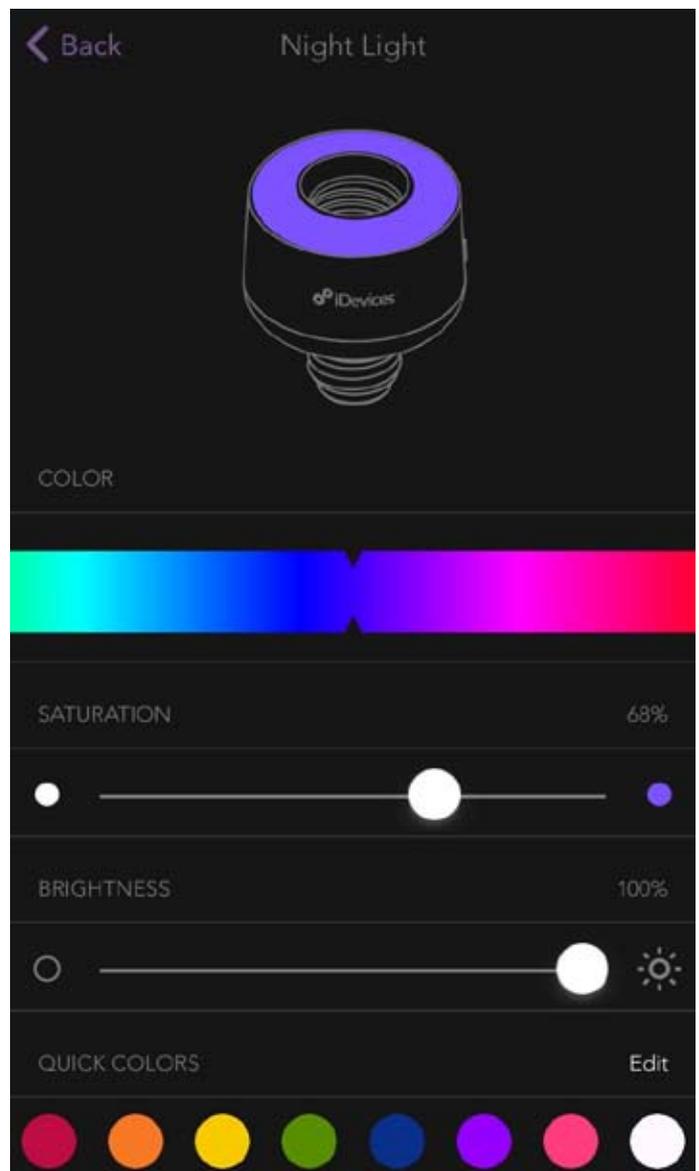
It's impossible to not compare the Socket with the line of Philips Hue bulbs and other lighting products, which was early to market and dominates the connected-

home lighting market. Hue requires a hub, which a Socket doesn't—it connects directly to a Wi-Fi network. Hue bulbs include both the lighting source and a Zig-Bee radio, enabling them to fit into many more lamps than a Socket. And Philips offers both dimmable white and white/color bulbs, which can double as nightlights at low intensities and soothing colors. Hue bulbs can also sync lighting to music.

You can set the hue, saturation, and brightness of the ring through the iDevices app.

The Socket's LED color ring is the real defining characteristic and differentiation, since Philips can only do light and color at the same time in a single bulb. The Socket ring allows you to set hue, saturation, and brightness, and select from a few preset colors, but there's no option to associate colors with a schedule or set up color cycling or patterns.

For two or three appropriate-sized lamps, a Socket could wind up costing less and working better for your purposes. Hue bulbs are typically sold in bundles, some with a hub, which reduces the cost for larger installations.



Both Hue bulbs and the Socket fixture, however, are limited to the equivalent of 60 watts, which is too dim for many purposes. Some of us might read with a 60-watt bulb in a lamp positioned to cast light onto what we're doing, but that low an illumination is usually for ambient lighting, making it less useful for general purposes and automation.



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First **DTS Virtual:** X Product to be Release in July: Yamaha soundbar

DTS Virtual:X technology to deliver immersive surround-sound from a single soundbar.



Dolby Atmos, DTS:X, and other immersive surround-sound technologies have made movie-listening even more realistic by adding height channels to home theater audio. You not only hear a jet move across the room from left to right, but from above your head. In the past creating this experience required placing speakers in the ceiling or speakers designed to bounce the audio off the ceiling.

A new technology from DTS, a wholly owned subsidiary of Xperi Corporation, promises to create this same experience from a single soundbar—no additional speakers required.

This summer Yamaha will be one of the first to launch a DTS Virtual:X-ready product, the YAS-207 soundbar.

“Our mission at DTS is to make the world sound better and deliver premium audio solutions to our partners and consumers,” says Joanna Skrdlant, general manager, home audio at Xperi. “With the introduction of DTS Virtual:X technology, listeners can enjoy height and surround sound with simply a sound bar, making it more accessible and affordable than ever to experience the benefits of immersive audio at home.”



Called DTS Virtual:X, the technology delivers the perception of up to 7.1.4 content through traditional speakers in the horizontal such as a soundbar. In other words, with DTS Virtual:X, height speakers aren't necessary to enjoy an immersive audio experience.

DTS' research shows that fewer than 30 percent of consumers that purchase multichannel A/V receivers actually connect the height speakers and fewer than 48 percent of consumers connect the rear surround speakers, for a variety of reasons. DTS Virtual:X technology in an A/V receiver will provide an immersive sound

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Technical Drawings & Documents - Project Specification, Scope of Work, Datasheet, Connection Details, Drawings, Schematic Diagrams

Industry Work flow details - System Designing Process & Technical Documentation, Project Management, Installation & commissioning process, Project Handover.

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“Our mission at DTS is to make the world sound better and deliver premium audio solutions to our partners and consumers,” says Joanna Skrdlant, general manager, home audio at Xperi.

experience without the need for rear surround and height speakers while still allowing consumers to upgrade for an even better immersive sound experience when they're able to add additional speakers to their system.

A/V receivers featuring DTS Virtual:X technology will be available this fall from a number of brands.

As televisions have become lighter and thinner, the demand for larger screen sizes has increased. In the U.S. market alone, 86 percent of US consumers now own a TV greater than 40 inches, and 18 percent now own a TV of over 60 inches, according to the Consumer Technology Association's 19th Annual Consumer

Technology Ownership and Market Potential Study, published April 2017.

While larger screen sizes provide a more immersive viewing experience, the audio experience from a TV alone is compromised due to the market's desire for a thin form factor, which limits speaker driver size and placement. DTS Virtual:X technology provides an immersive sound experience without the need for larger drivers or additional speakers added to the television.



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