

SMARTRONIC

Automation Magazine

Volume - 8 / February / 2016

CUBIC:

Control your devices, apps, and services from anywhere, by simply speaking to your digital friend.

BLINK:

The first ultra-affordable, totally wire-free smart HD home monitoring and alert system.

CLEVERLOOP:

With the next generation of home security technology, CleverLoop helps protect what's most important to you, peace of mind included.

Ecobee 3:

Ordinary thermostats read the temperature in only one room.....

ELEPHANT DOOR

Uses intelligent sound, vibration and motion algorithms to detect an attempted break-in



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The Smartest Router Ever With blazing fast Gigabit WiFi (11ac), a built-in smart home hub and our intuitive mobile app, Almond 3 delivers seamless WiFi coverage and full digital and physical security.



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Uses intelligent sound, vibration and motion algorithms to detect an attempted break-in



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XANDEM: Monitor an Entire House without Cameras 41 - 42

Xandem's powerful new technology detects and locates people. Applications include security, automation, elder care, and more.



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ZEN™ is a beautifully designed smart thermostat that allows you to control your home temperature from anywhere, anytime.



CAREER TALK 49



Application:

- See your home from smartphone when you are out
- Monitoring your kids and infants
- Care for the elderly
- Guard your Home
- Guard your car
- Guard your shops
- Care for your pets

Ip Camera



Application:

- Apply to your doors and windows
- Monitor unexpected intrusions
- Care for your family and pets



Contact Sensor

Application:

- Monitor illegal invasion with contact sensor or vibration sensor
- Care for your family in emergency

Smart Beacon



Add: 2nd Floor, B1 Blvd, Digital Technology Park, High Tech Park,
Nanshan, Shenzhen, Guangdong, China

FROM



THE EDITOR'S DESK

Home automation is a step toward what is referred to as the “Internet of Things,” in which everything has an assigned IP address, and can be monitored and accessed remotely.

Automation

Automation is, unsurprisingly, one of the two main characteristics of home automation. Automation refers to the ability to program and schedule events for the devices on the network. The programming may include time-related commands, such as having your lights turn on or off at specific times each day. It can also include non-scheduled events, such as turning on all the lights in your home when your security system alarm is triggered.

Remote Control

The other main characteristic of cutting-edge home automation is remote monitoring and access. While a limited amount of one-way remote monitoring has been possible for some time, it's only since the rise in smartphones and tablets that we've had the ability to truly connect to our home networks while we're away. With the right home automation system, you can use any Internet-connected device to view and control the system itself and any attached devices.

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



smart living

 **ACETECH**
TECHNOLOGIES (P) LTD.



ALMOND3

Beautiful and Intuitive

With its exquisite design, Almond fits right along with the rest of your furniture. Unlike typical routers that look like upside down spiders, Almond is meant to be out in the open. Also have apps that can show live Weather and time so you don't have to pop out your phone to check weather every morning.



■ Seamless Whole Home WiFi

One Almond 3 is powerful enough to cover a typical home. If you have a bigger home, you can also mesh multiple Almonds to create a seamless WiFi network. One password and one network across your home. Finally, you can have seamless WiFi for every room in your home. Just like previous Almond routers you can still use Almond 3 as a stand-alone router or Range Extender or Access Point

■ Blazing Fast

Almond 3 is fast enough to handle multiple Gaming sessions, Torrent downloads, HD streams, whether it's YouTube or Netflix or Roku and can simultaneously support 50 devices without breaking a sweat.

■ Built-In Programmable Siren.

With a built-in siren, Almond 3 can scare off potential intruders.

■ Mobile App

Our free Almond app gives you single place where you can get an overview of all your WiFi and smart home devices.

■ Physical Home Security

It comes with a built-in siren that can be used to create a flexible and powerful home security system. You can add sensors to also monitor doors/windows or motion. Combine these features with WiFi triggers to auto arm and disarm your home. Your router now helps protects your home.

■ Digital WiFi Security

Get instant notifications when new or existing devices join or leave your WiFi network. Gone are the days when you don't know if your neighbor is freeloading on your WiFi.



■ The magic of rules

Powerful rules can automatically enable Almond's armed mode when you leave home. The siren goes off if there's a breach in your security

■ The smart home hub to rule them all

Almond 3 is a smart home hub with a built-in ZigBee radio. It also supports Z-Wave and Bluetooth (coming soon) devices via an external USB dongles. It works with Nest, Philips Hue, and many more of your favourite smart devices.





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BLINK

Blink: Wire-Free HD Home Monitoring & Alert System

The first ultra-affordable, totally wire-free smart HD home monitoring and alert system.

Meet Blink, the one-of-a-kind, battery-powered home monitoring system that's simple to set up and equally perfect for renters or homeowners. Its stylish, totally wire-free design houses innovative HD video technology, plus motion and temperature sensors, to deliver instant home insight through the Blink app for your iOS or Android device



Place it anywhere

Blink is battery-powered and truly wire-free, so it's simple to place and move within any environment. Create a system that covers your entryways and windows, monitors the garage, or keeps a watchful eye over the kids' rooms (or even the cookie jar). Unique technology delivers more than a full year of battery life for extended, no-hassle peace of mind.



Visual verification

Blink is thoughtfully designed to make peace of mind easy and accessible. As soon as motion is detected, video starts recording and an alert is sent to your smartphone or tablet, so you can see exactly what caused the alert and decide how to respond.

Simply want to check in and see what's happening at home? Live View mode lets you take a look through the Blink app.

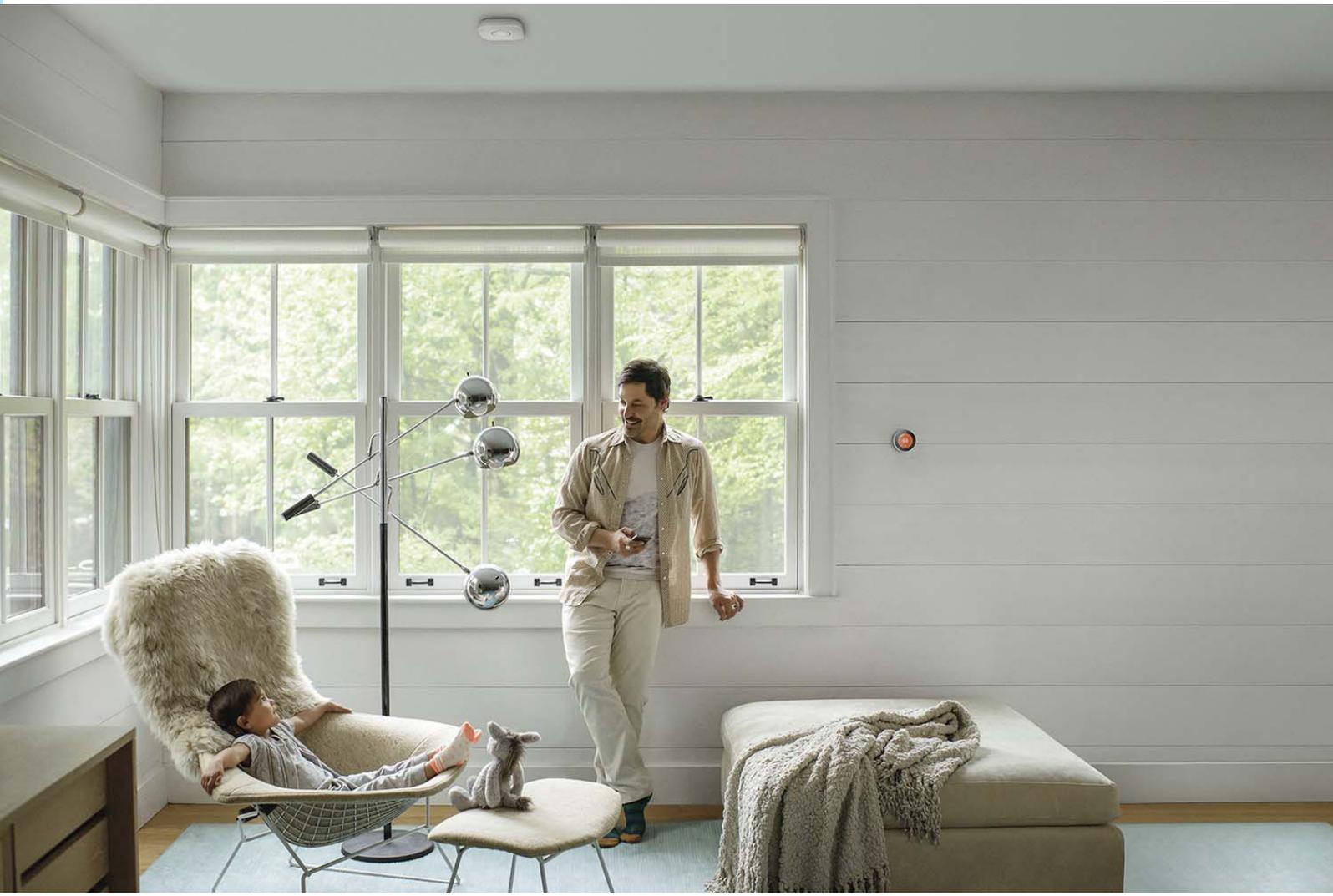


Easy to Expand

Blink's unique design makes it simple to create the system that's just right for your apartment, home or business. Expand and customize with extra cameras and our optional alarm.

Blink Features

-  HD Video
-  Motion Detection
-  Instant Alerts
-  Live View
-  Instant On
-  On-board USB storage
-  Temperature Sensor
-  Night Vision
-  Built-in Microphone
-  Privacy Assurance
-  Status Alerts
-  Auto arm/disarm function





GVS VIDEO-STAR INTELLIGENT-BUILDING SOLUTION

Sales Manager : Verinica

Contact : info4@video-star.com

Intelligent Lighting System

Create Luxurious Lighting Effect
Pull Curtain with Magic of Intelligence
Hold Your Home Appliances Tight within Your Palms;
Extend Your Home's Intelligence to the Most.



Entertainment System

Enjoy Your Audio-Video Feast Without Hanging Out.

Remote Control System

Take Full Control Over Your Home No Matter Where You Are.



Home Monitoring System

Master Everything in Your House Without Rolling Your Eyeballs!



Intelligent Security System

Ultimate Security Guard to Watch Over Your House, Your Safe Being, Your Happiness and All.



Intelligent Information Terminal

Comprehensive Multi-media Terminal Enables You A Luxurious and High-Grade Life.

CLEVER LOOP

Smart home security,
evolved

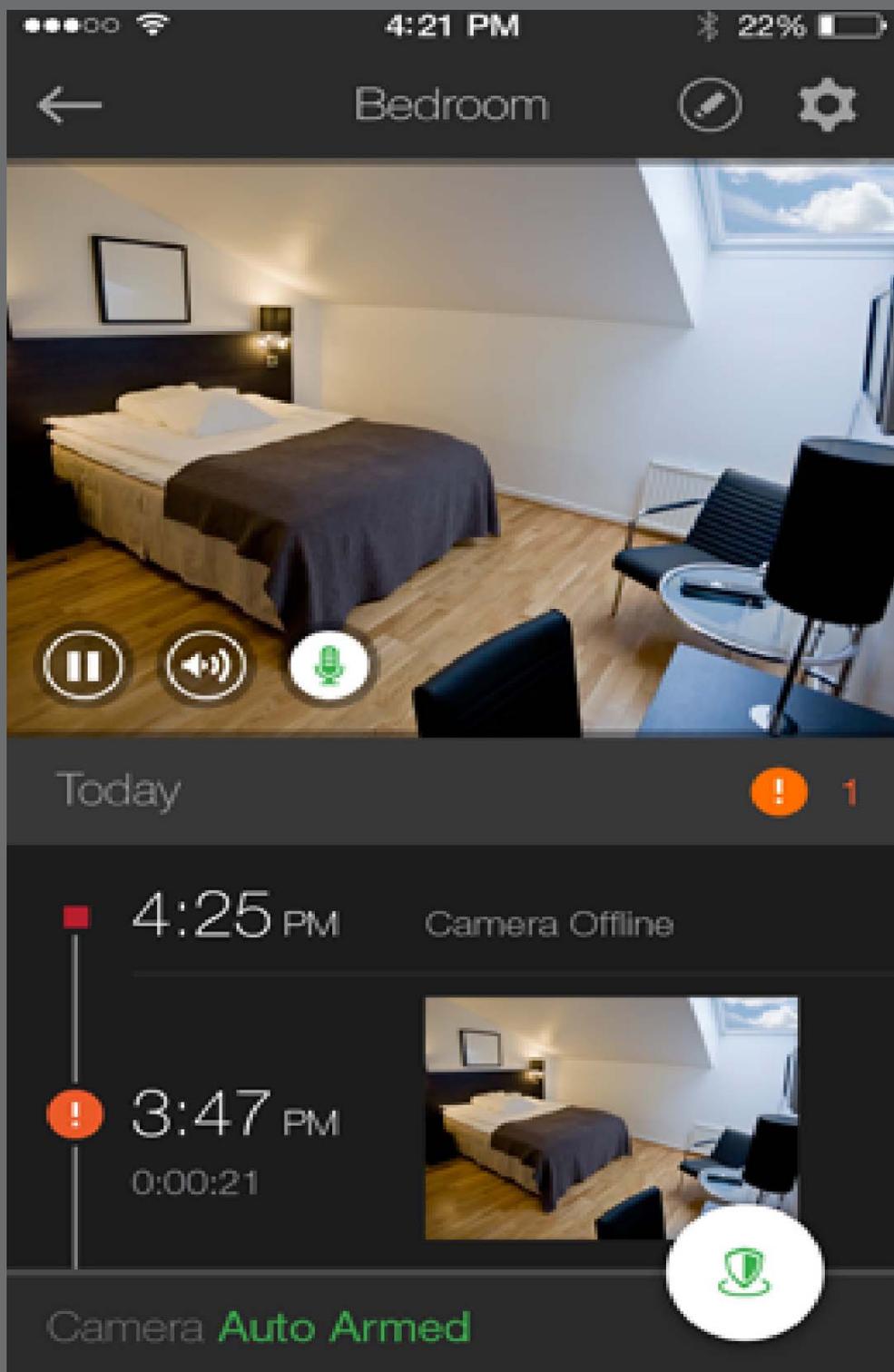
With the next generation of home security technology, CleverLoop helps protect what's most important to you, peace of mind included.

The next generation of home security and video monitoring. As well as being smart and easy to use from mobile devices, CleverLoop also takes your privacy and budget into account.

Just one touch away from
home



Directly from your mobile device, you can quickly see and hear what's happening at home. No matter where you are in the world, live views and recorded video clips from your security cameras let you know everything is safe and sound.



See, learn, and understand

CleverLoop minimizes false alarms with a unique learning algorithm that understands what's unusual and what's trivial. With a bit training, it can tell a cat or a swinging tree from a human, so next time your phone buzzes, you know it's something critical.



Now I'm home and it's still watching?

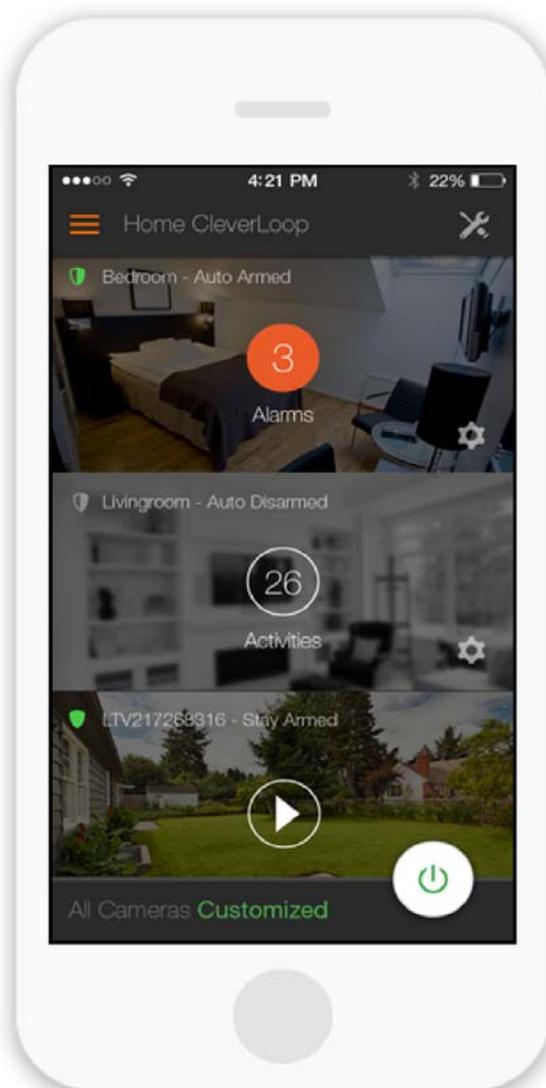
Don't worry, equipped with Geo-Fencing technology, CleverLoop can automatically disarm when a family member comes back home (and re-arm once everyone has left). It not only reduces false alarms, but also protects the privacy of your family.

Basement, garage and front door

Let's face it, one camera sometimes just isn't enough to cover everything, even with a super wide angle lens. That's why, from hardware architecture to app user experience, CleverLoop is engineered and designed to support multiple cameras, including all-weather outdoor cameras with long range night vision.

An intelligent security camera system that learns its environment and alerts you to anything out of the ordinary. The self-install system offers a unique mix of features for home owners, renters and small business owners. One CleverLoop supports a combination of 3 indoor and outdoor HD cameras which connect to the 'Base Station'.

It's simple to set up and use from iOS and Android devices. Camera footage is analyzed privately on each users 'Base Station'. Sophisticated video algorithms reduce false alarms. Important alert footage is stored to an SD card or free on the cloud. Continuous footage can be recorded to an external hard drive. GeoFencing automatically arms and disarms the system depending on the user's location. Other camera features: night vision, 2-way audio and a wide field of view. Forget the monthly fees as all of CleverLoop's features are free!



Wulian Smart Home Solutions

IOT opens smart life



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IOT opens smart life

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CUBIC

Control your devices, apps, and services from anywhere, by simply speaking to your digital friend.



If you're at work, Cubic can adjust the temperature in your home, turn off your lights, lock your doors, set your alarm, and more.



On the go, Cubic can remind you where you parked, tell you how many



In the car, Cubic can give you traffic updates and read you emails. You can even ask Cubic to repeat that funny comment he made and have him Tweet it for you.



At home, Cubic can tell you when your favourite show is on, play music, order delivery, read instructions while you cook, turn off your alarm, tell you knock-knock jokes, anything.

Users can connect with Cubic through a range of devices that have you covered at home and on the go. And thanks to Cubic's developer-friendly, open API, there are tons of opportunities for integration with gadgets and services yet to come.

The Home Cube



To run your house

Have a natural conversation

Advanced multi-topic speech recognition.

Move around the house

Recognizes your voice from up to 25 feet.

Control all your devices and apps

Phone, TV, email, search, food delivery, social media, home automation, and more.

Make Cubic your personal DJ

HD speakers and access to all your music.

Make your devices voice-operated

Just plug them into smart plug-ins and voila.

Always updating

Cloud-based mind gets smarter and faster automatically.



The Power Badge



Wherever you go

Press the button and start speaking

Simple one-touch activation.

Same power, from anywhere

Can connect with Home Cube or work independently through Cubic app

Use with or without a headphones

Speaker built right in.

Receive calls, make calls, send texts

Or Tweets, or emails. Cubic does it all.

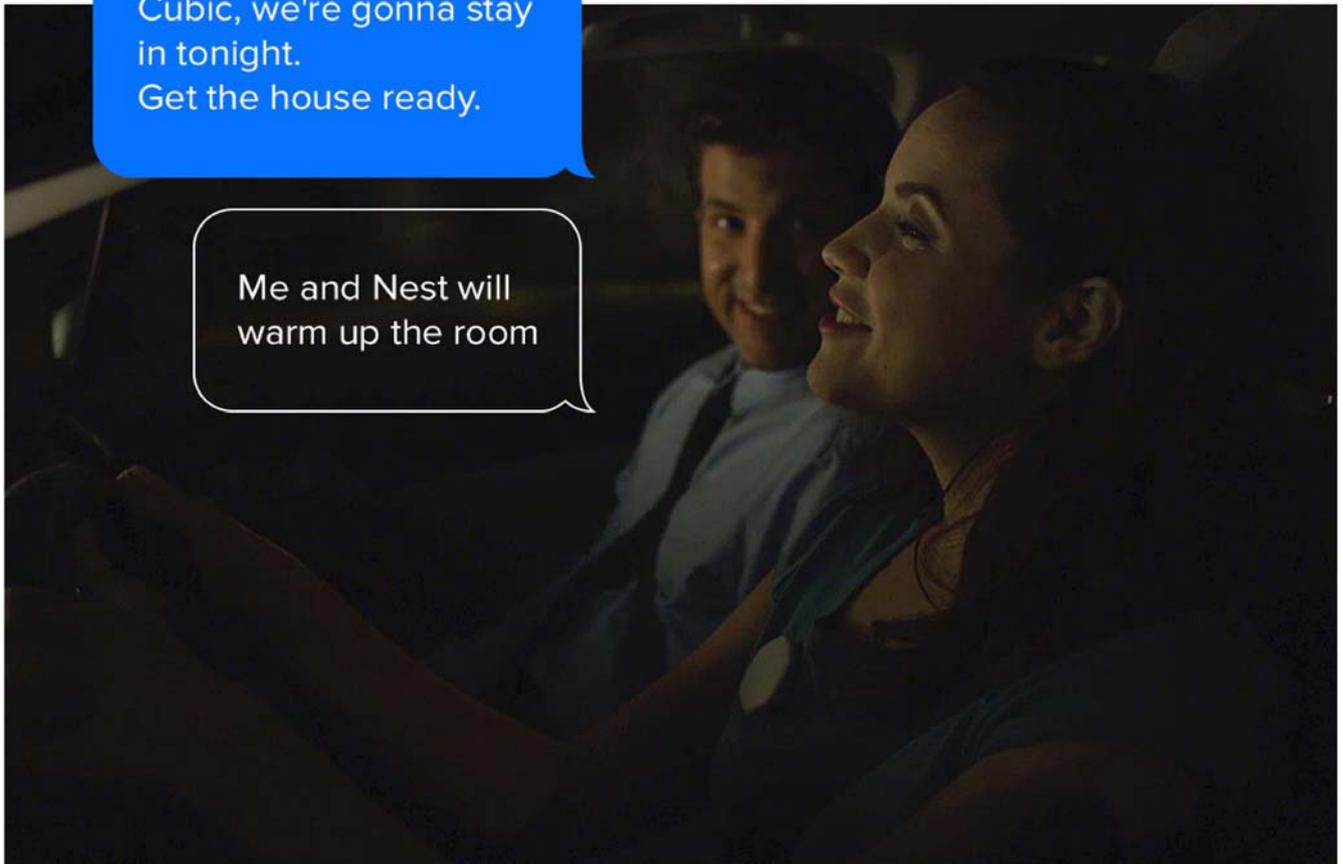


Control everything with your voice

Cubic integrates with your devices, apps, and services, putting you in total control of all your technology, no matter where you are.

Cubic, we're gonna stay
in tonight.
Get the house ready.

Me and Nest will
warm up the room



Tailored around you

Each Cubic is one of a kind, and can be customized around you and your personality.



Choose its voice

Give yours an accent, make it male or female.



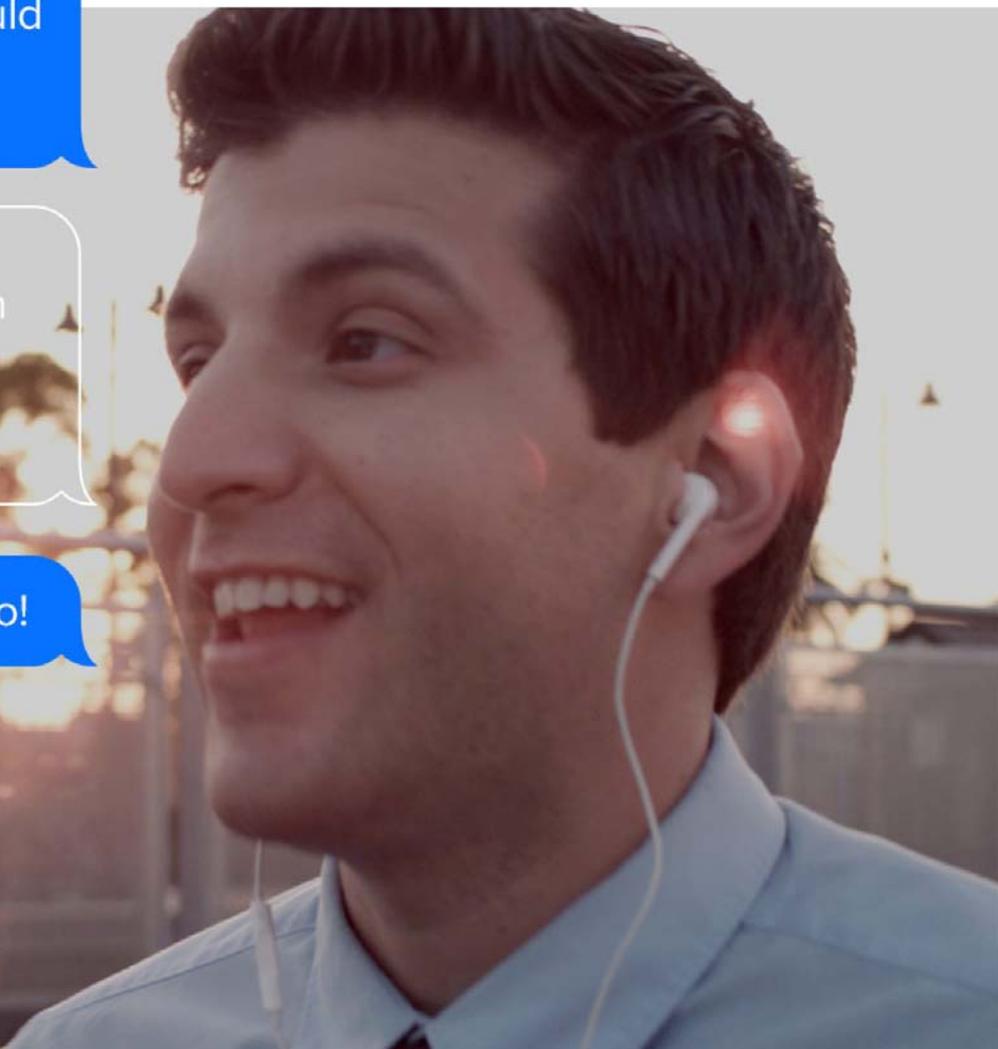
Choose its skills

Go to the Cubic Store and choose from a wide range of programs, games, stations, and more that your Cubic will specialize in.

Hey Cubic, what should we do tonight?

Game of Thrones season premiere at 9. I know you love it.

Hey, you love it, too!





Success starts with Opportunity



Automation Academy -Providing Automation Engineering and Technology based education with innovative approaches to enhancing life long career opportunities



Advanced Online Training: For Professionals / Corporates Learn anytime any where



Specialised Placement Consultancy: Cater to recruitment and staffing requirements of Automation and allied sectors in domestic and international market.



E-Magazine "Smartronics" An e-magazine on Home automation for professionals with Technical articles and partner company promotion.



Australind Automation - Home Automation Systems Consultancy and Installation for designing and installation of automation systems in commercial and residential projects



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ECOBEE3

The smarter Wi-Fi thermostat with remote sensors

Ordinary thermostats read the temperature in only one room, but are supposed to deliver comfort in all rooms. Ecobee3 remote sensors deliver the right temperature in the rooms that matter most.



Featuring a 3.5" full-colour LCD touch screen, 320 x 480 pixel display with highly intuitive iconography and controls, just like your smartphone. Reads temperature in multiple locations solving for uneven temperatures in the rooms that matter most.

Smart, really smart

Intuitively understands when to turn on your heating or cooling equipment based on your home's unique energy profile and the weather outside, making sure you're comfortable at all times.



Knows you have a life

Senses whether anyone's home and which rooms are occupied, delivering comfort when you're at home and saving you energy and money when you're not.

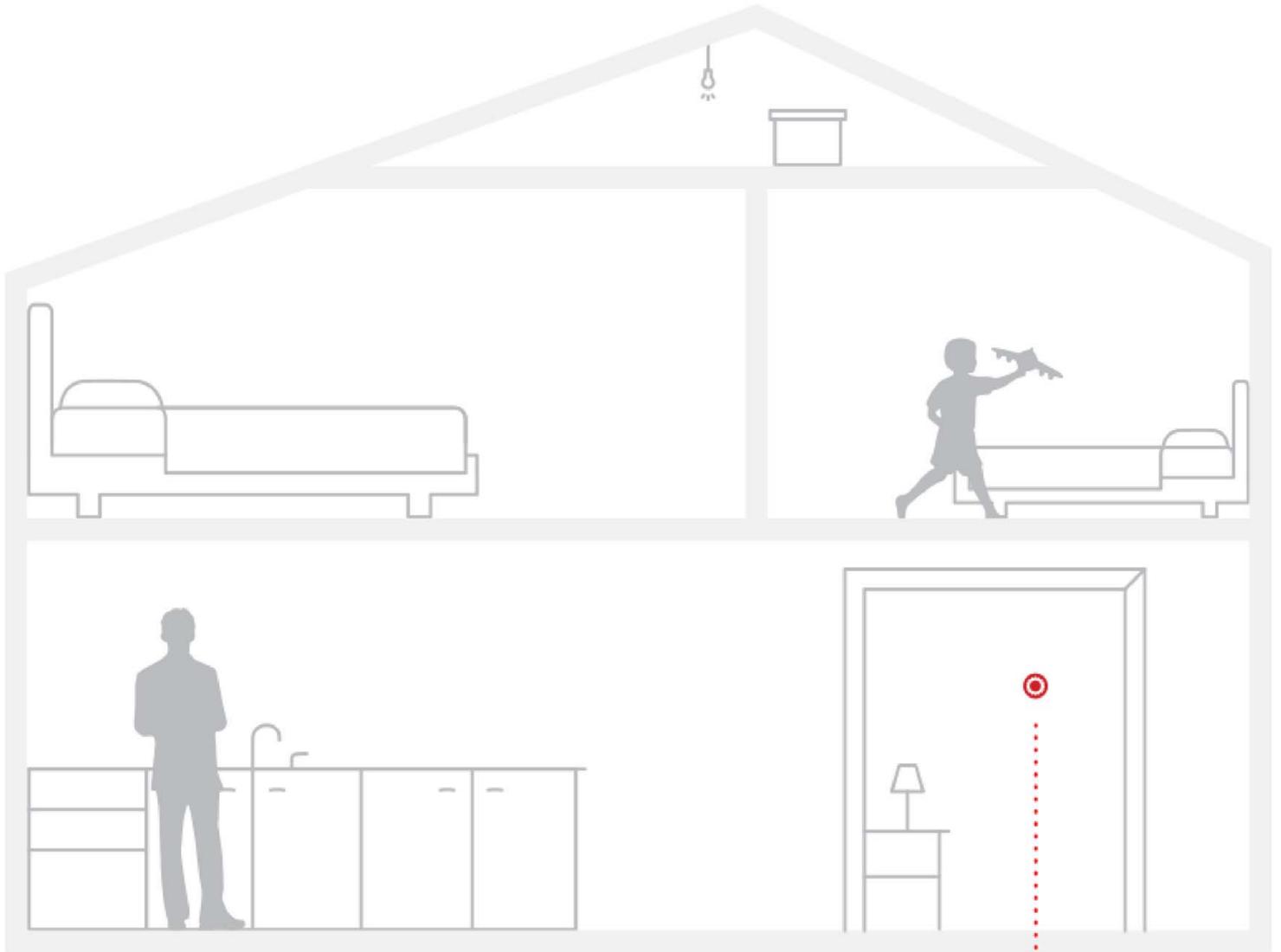
Lower your energy bills

ecobee3 saves homeowners an average of 23% annually, paying for itself in energy savings.

Anytime, anywhere

Lets you monitor and control the temperature in your home anytime, anywhere, on your smartphone, tablet, or computer.

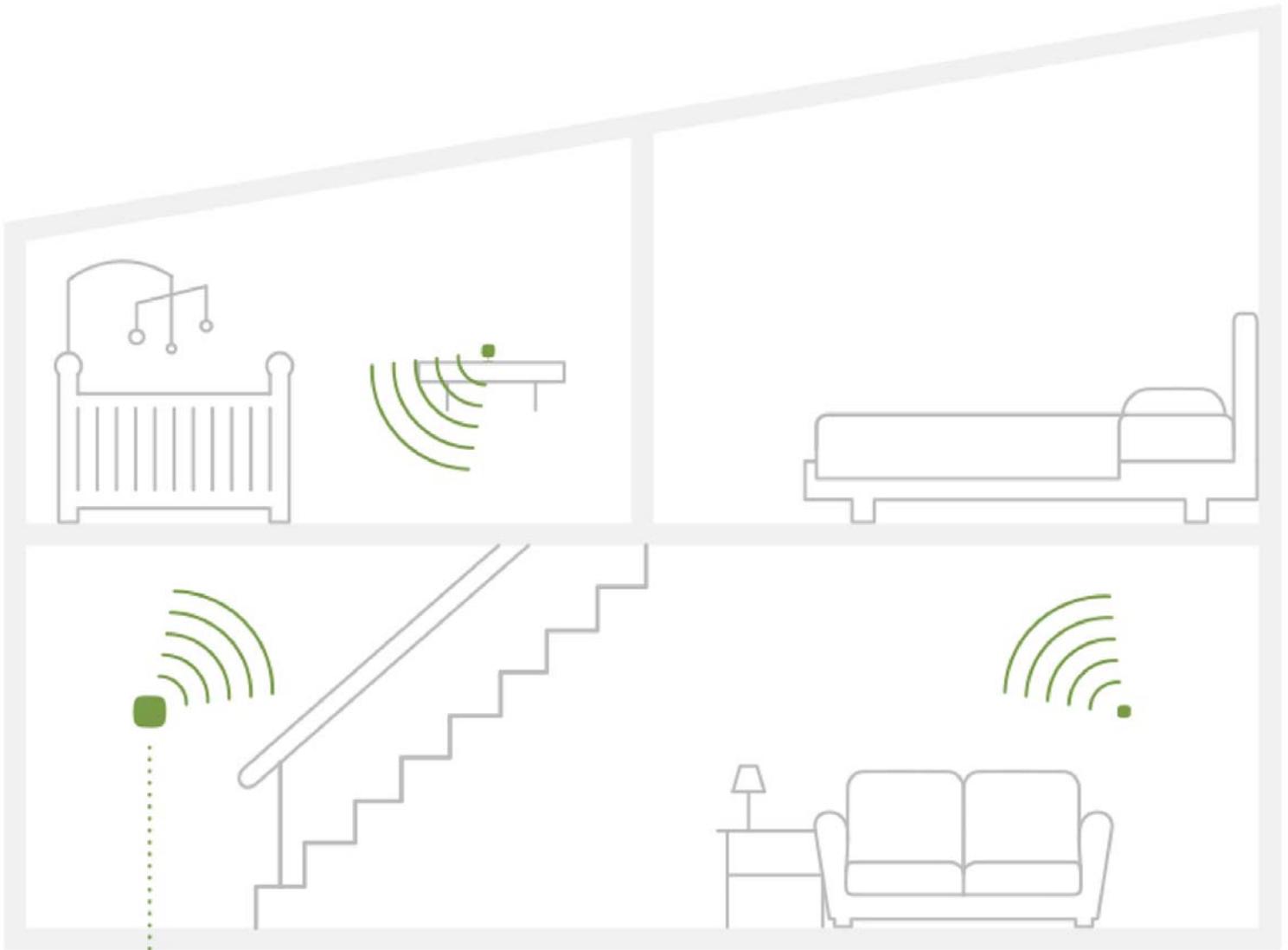
What's wrong with your current thermostat?



Ordinary thermostats measure temperature in only one location

ecobee3 and remote sensors measure occupancy

The wireless remote sensors measure temperature and occupancy. By knowing which rooms are occupied, ecobee3 makes smarter heating and cooling decisions, delivering more comfort when you're home and savings when you're away.



ecobee3 saves you money
when you're not home

Pet Detect

ecobee3 and wireless remote sensors know the difference between you and your pet, so they will not trigger the sensors.

Mobile access

View and adjust your ecobee3 and remote sensors from your mobile app and web portal.



K-BUS®

Home and Building Intelligent Control System




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
- I/O input for thermistor sensor



3.5" Touch Screen
CHTF-35/00.1.0.1



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



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




Smart Home Control Software



Functions

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



GVS 视声集团

VIDEO-STAR GROUP

Guangzhou Video-Star Electronics Industrial Co., Ltd.
 Add: Room A901, NO.22 Zhong'erheng Road, University Town Guangzhou, China
 Tel: (8620) 39338986 Fax: (8620) 39338465 Zip: 510006
 http://www.video-star.com.cn E-mail: international@video-star.com.cn

ELEPHANT DOOR

Elephant door

Uses intelligent sound, vibration and motion algorithms to detect an attempted break-in



■ Quick and easy

To set up and dismount, elephant door™ is the perfect home security tool for property tenants wanting to protect their home

■ Integrated

Smartphone app notifies you of an intrusion so you can react quickly

■ Sleek and stylish

Design fits perfectly with the modern home, removing the need for large bulky white boxes

Smart Warning System



Neural Networks
for fast detection



Accelerometer,
gyroscope and
microphone for
precise detection



Distinguishes
brake-in attempt
from the actual
brake-in



Smartphone
Notifications



Buzzer 100+ dB

■ How it works?

Elephant door™ is a self-reliant device.

This means you don't need any other devices to have a functional and practical alarm system.



- ✓ Mount it in a few seconds using a special tape included in the kit. It fits any type of door
- ✓ Download the mobile app for iOS or Android and pair it with your smartphone. It only takes a few minutes.
- ✓ Enable and disable the alarm using the application on your smartphone or your remote control. Use them also when you want to enable the SOS function.
- ✓ If the alarm detects door vibrations that indicate suspicion of burglary, you will receive information on your smartphone with the possibility to inform a family member or activate the siren
- ✓ When the door is open even a few millimetres, you will receive notification of possible intrusion and loud alarm siren will be activated.



OUR PARTNERS



KEPLER

Kepler: Your Best Home Gas Detector

Kepler is an intelligent gas and carbon monoxide detector that features active monitoring, intelligent alarms, portable design and more. Keep your family safe and sound with Kepler, the smart home gas detector by ORVIBO. This intelligent device is equipped with loads of sensors to continuously monitor your home for dangerous gas levels. If anything harmful is detected, such as carbon monoxide, a loud alarm and bright lights will come to life. Additionally, an alert is sent to your smartphone so you can have peace of mind from anywhere. Kepler is smart enough to detect early warning signs of possible danger so your family can act fast before it's too late.



You may have a home monitoring system, but not all the systems monitor gas leakage. The beautiful display is easy to read and the unit is detachable from the wall mount so you can monitor every room you're in. A built in timer can be used in the kitchen to help minimize any cooking risks. Stay one step ahead with Kepler, the smart home gas detector.



kepler

Your Best Home Gas Detector



KEPLER LIVES

on a wall plate that also serves as a charging dock (via Micro-USB cable), and the device has a battery that can last for up to 2 hours off the dock or during a power outage. That means homeowners can bring Kepler into the basement, for instance, to check for leaks near a water heater or gas main if you suspect something might be off.



SKYDROP

Skydrop- Cut Outdoor Water Usage Up To 50%! Save Money – Save Time.

If you are frustrated with you current controller, tired of fighting with outdated user interfaces and confusing programming menus, the Skydrop WiFi controller will revolutionize the way you approach your home and garden irrigation.



Need more Zones?

Simply snap the Skydrop™ Expansion onto your controller and add another 8 zones without having to buy a whole new unit.

Safe & Secure

The Skydrop™ Enclosure ensures your Skydrop controller will remain water- and dust-free, no matter where it is installed.

ACCESS FROM ANY WEB-ENABLED DEVICE

You can manage your Skydrop smart controller using the controller itself, your preferred mobile device, or web browser. By connecting the Skydrop controller to your Wi-Fi network you can change settings or water at any time or any place.

WI-FI ENABLED



By connecting the Skydrop WiFi controller to your Wi-Fi network Skydrop WiFi Timer you can change settings or water your landscape or lawn at any time or from any place.

AUTOMATED WATERING

No one has time to be constantly adjusting and updating the water schedule for their lawn. Skydrops' proprietary algorithm gathers a variety of hyper-local data points creating from them a comprehensive and efficient watering schedule – dynamically adapting schedules without any intervention on your part throughout the season.

BEAUTIFULLY SIMPLE

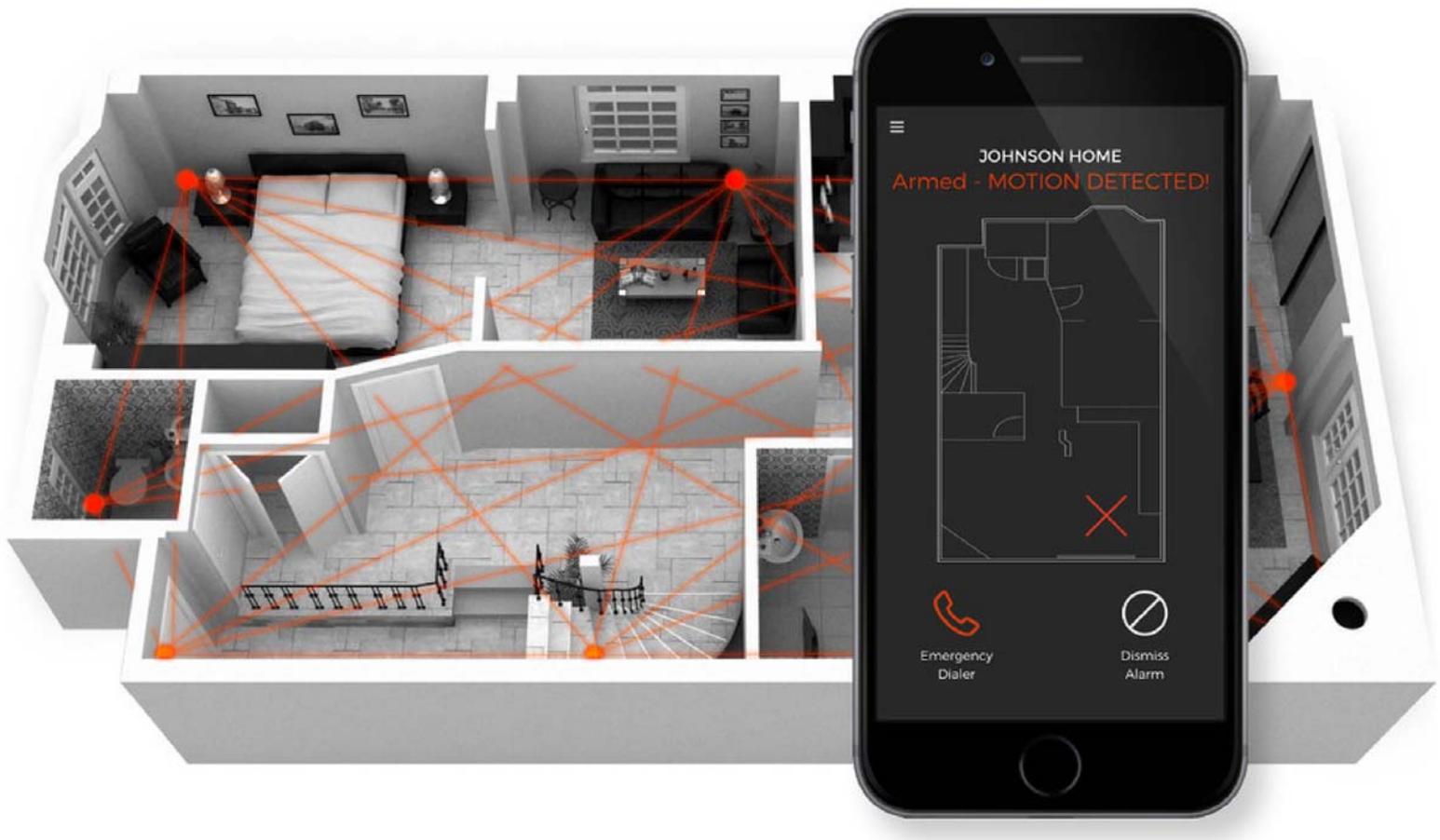
The beautifully simple user interface makes Skydrop easy to navigate and setup. Gone are the days of struggling to understand and setup your lawn's irrigation. Skydrop can help you take back control of your yard, once and for all.



XANDEM

XANDEM: Monitor an Entire House without Cameras

Xandem's powerful new technology detects and locates people. Applications include security, automation, elder care, and more.



XANDEM HOME

The ultimate security system for your space

■ Security

Xandem's technology is the ultimate in security sensing. It covers large areas, remains totally hidden, can't be blocked or fooled, and even detects motion through walls and obstructions

■ Automation

Knowledge about where people are is essential for automation in smart buildings and homes. Xandem products provide this knowledge to systems that control lights, appliances, and HVAC units.

■ Elder Care

Elder care systems based on Xandem products monitor motion over the entire home. The system remains completely hidden and the patient does not need to wear a device.

■ Tomographic Motion Detection

Xandem TMD detects motion over complete floor plans, even through-walls. It remains completely hidden, and can handle harsh environments where traditional motion detectors fail

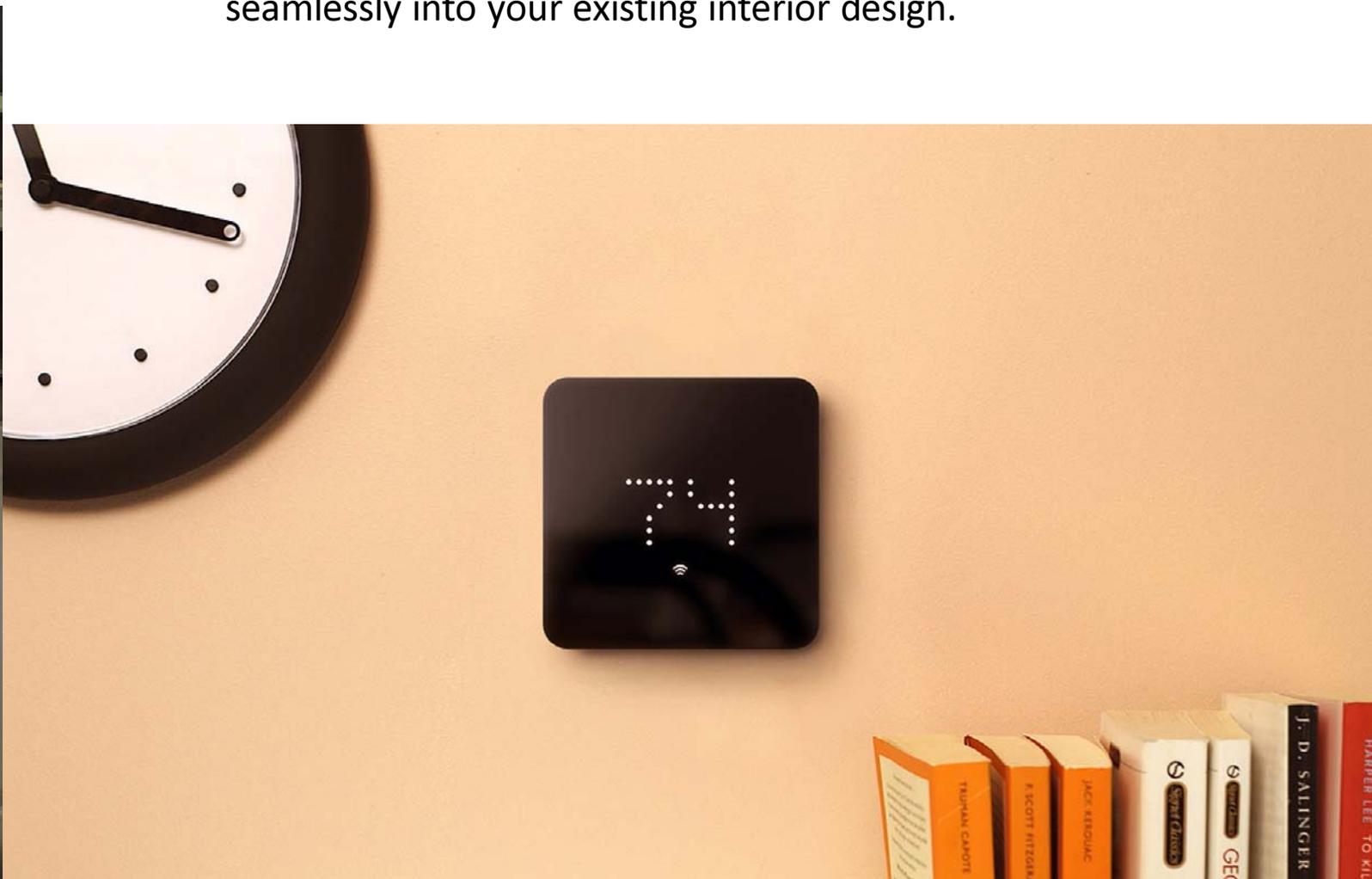


ZEN THERMOSTAT

ZEN™ is a beautifully designed smart thermostat that allows you to control your home temperature from anywhere, anytime.

THERMOSTATS SHOULD BE ELEGANT AND SIMPLE

ZEN Thermostat™ fits beautifully into your home or office environment. The LED screen provides clear and simple feedback. Icons only display when they are required. When left inactive the display simply fades away. ZEN Thermostat™ is available in black or white so it blends seamlessly into your existing interior design.



COMFORTABLE DOESN'T HAVE TO BE COMPLICATED

Simple design is good design. That's why instead of adding features, we made the Zen Thermostat simple to install and easy to use.

✔ Wake Up

Touch Zen to wake the display.

✔ Set Mode

Use the left and right arrows to switch between heating, cooling and fan.

✔ Set Temperature

Use the up and down arrows to set the temperature.

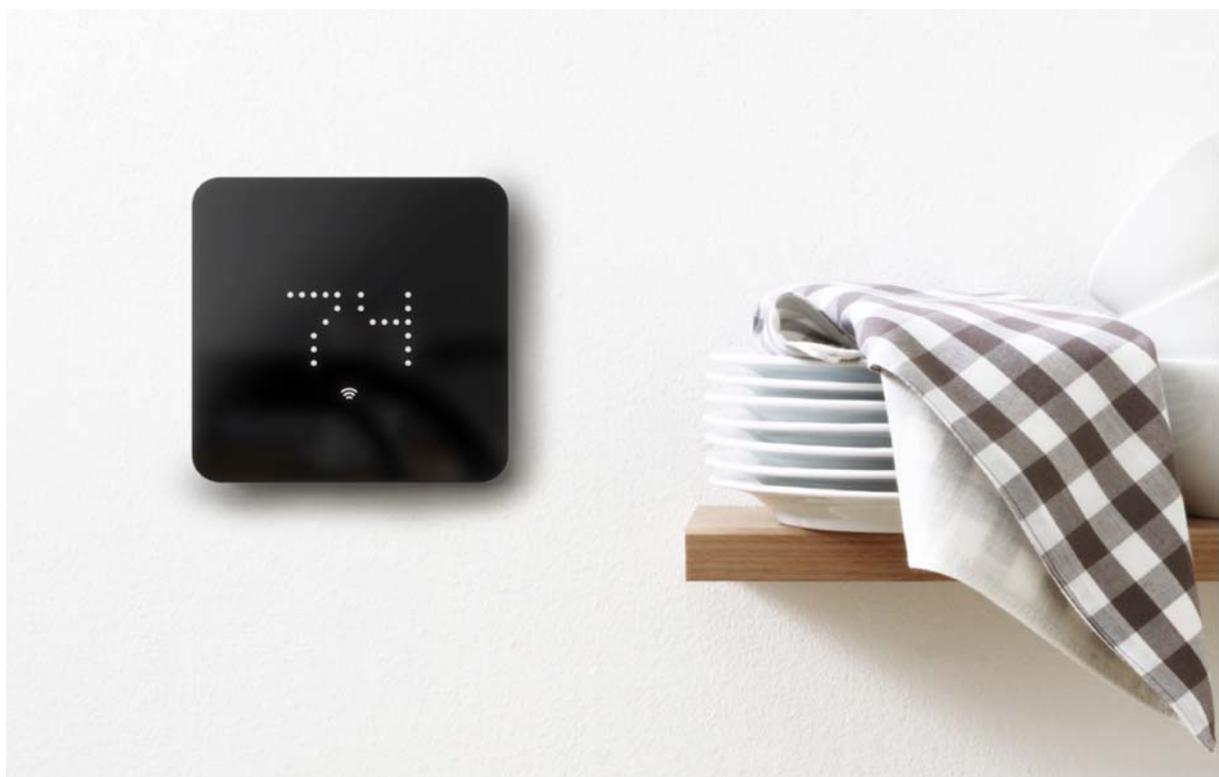
✔ Fade Out

Once you are done, the display fades, but ZEN Keeps working in the background.

SEAMLESS INTEGRATION WITH YOUR HOME

ZEN Thermostat™ is compatible with leading connected home platforms so you can easily expand without needing to run a separate home automation system.

It uses the Zigbee protocol to communicate with your home automation hub, so you can control Zen from right inside your existing apps.



INSTALLATION IS SIMPLE TOO

ZEN Thermostat™ comes complete with everything you need in the box. The interactive installation guide generates a personalized set of installation and wiring instructions. The easy to follow, step-by-step approach makes the installation stress free no matter which thermostat you are replacing.



We transform your home to a **smart secured & energy efficient** living space

What we offer – Monitor and control every aspect of your home from anywhere in the world through our intelligent home automation solution.



Services

- ✓ CCTV System
- ✓ Burglar Alarm System
- ✓ Video Door Phone
- ✓ AC unit Control
- ✓ Gas leak Detection
- ✓ Curtain Control
- ✓ Solar Water Heater & Inverter Monitoring
- ✓ Biometric Door Lock
- ✓ Lighting Control System
- ✓ Audio & Video Control
- ✓ Home Theatre Setup
- ✓ Gate Automation
- ✓ Water Tank Automation
- ✓ Automatic Irrigation/Gardening System
- ✓ Internet & Wifi Setup

 L&T Electrical & Automation

 Godrej | AV SOLUTIONS

 HIKVISION

 Benq

 AHUJA
PUBLIC ADDRESS SYSTEMS

 BPLiO
INTELLIGENT LIFE SIMPLIFIED

 OTEKSYS

 ACETECH
TECHNOLOGIES (P) LTD.

 EPSON
EXCEED YOUR VISION

 Panasonic
ideas for life

 GVS
VIDEO-STAR GROUP

 物联网.
Wujiar

 SecureBizzTech
Make you feel secure

 Hanway
BALUNS

 eSSL
Technology Development Company

 JR

 CAME
UNITED KINGDOM

 MATRIX
TELECOM SOLUTIONS

 EasyIO

 TD LED 腾龙达光电
TLD OPTOELECTRONICS

 theatro

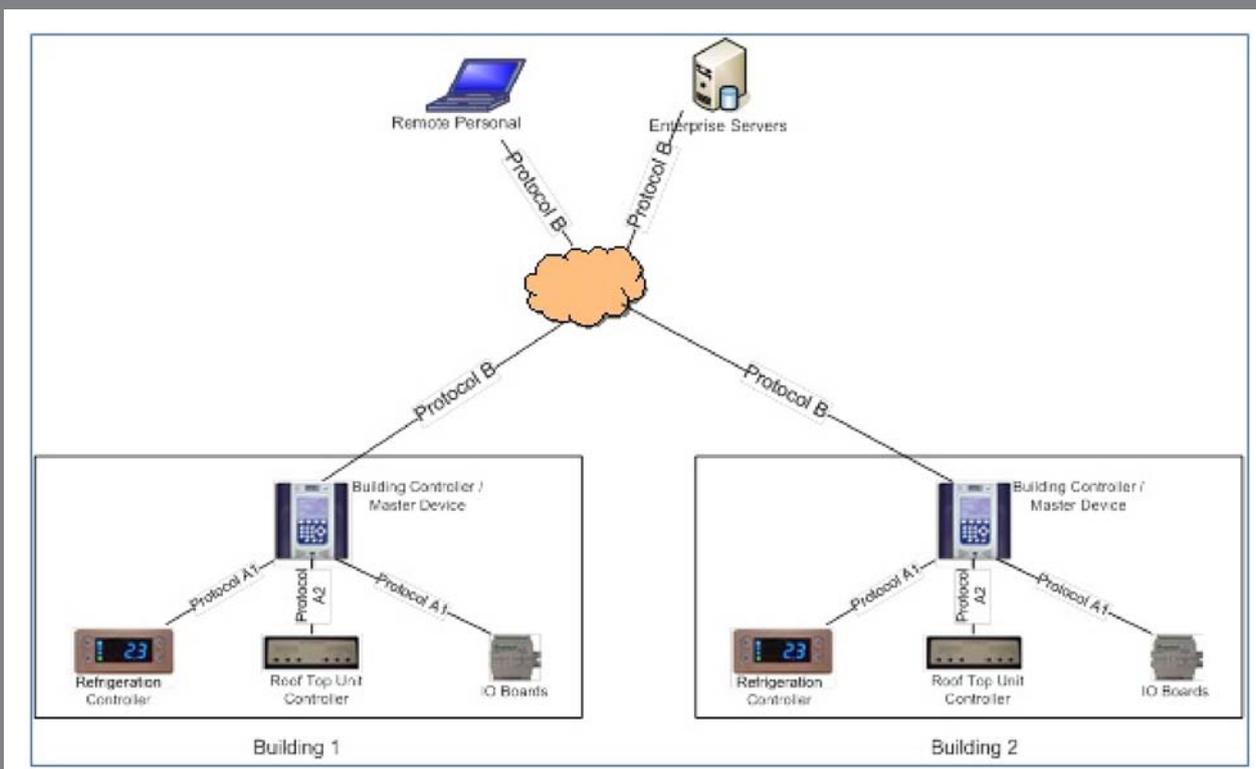
 Power and productivity
for a better world™ ABB

 ZICOM
UNITED KINGDOM
Feel Safe

 Honeywell

WHAT YOU SHOULD KNOW ABOUT PROTOCOLS WHILE SELECTING A BUILDING MANAGEMENT SYSTEM

Protocols are languages by which two devices communicate and exchange data. These devices are microprocessor-based products, such as an input/output board, roof top unit controller (RTU), Chiller controller, user's laptop/desktop computer or even central enterprise servers. The picture below shows that the master building management system (device) communicates with devices, such as RTU, refrigeration controllers, energy meters and other input/output boards within a building. Similarly, the Building controller communicates with remote users and enterprise servers via the internet to display temperature, operating parameters or energy data. Protocols are defined by the data structures that



explain the format and meaning of each data (almost like a dictionary that explains a word's spelling and meaning). Both devices have to know the data structure in order to facilitate the exchange of data. The data exchange usually happens over some physical wire (such as on a twisted pair RS485 or Ethernet CAT5 cable). It can also happen wirelessly over wifi network.

In order for 2 people to have a meaningful exchange they need to speak the same language and have a medium to communicate (e.g. phone). This language is equivalent to a protocol

in the BMS world and the phone is equivalent to a physical wire. Hence, the term BACNet over IP means that the protocol is BACNet and the physical layer is an IP network.

The four key aspects to protocol are:

- ✓ Open
- ✓ Standard
- ✓ Inter-operable
- ✓ Proprietary.

What is the best protocol for BMS?

When a master controller is exchanging data with devices and meters within a building, the standard BACNet or Modbus or any other standard protocol should be preferred. Otherwise, make sure it is at least “open” for anyone to read and write information. For enterprise access (protocol B in picture), people have used BACnet over IP. However, the current trend is to use internet technology for data exchange. Companies like Honeywell Tridium (Niagara framework), Resource Data Management (Data Manager), Echelon Corps (iLon) and many others have used standard internet XML data with web-services to exchange data. Even the ASHRAE BACNet committee has a XML working group that is defining applications of the eXtensible Markup Language (XML) relevant to BACnet systems. They are also working on Web service definitions that will allow data exchange between building automation and control systems and various enterprise management systems.

To summarize, when selecting devices ensure the following:

- ✓ Devices like RTU, refrigeration controller should use “open” protocols like BACnet or modbus.
- ✓ Make sure these devices give you both “read” and “write” capabilities so that you can even change set points.
- ✓ The BMS should have web-services capabilities with data exchange using XML for enterprise access.
- ✓ Again, the BMS web-services should allow both read and write capabilities.
- ✓ The BMS supplier should provide the XML dictionary (structure of data format) and web-services definitions to anyone (including their own competitor to be “open”)

Courtesy

Dr. Abtar Singh



Career Talk

● CCTV Technician

Experience: 0-2 years

Job location: Chennai

Job Description: CABLE LAYING, CCTV CAMERA, DOOR ACCESS, INTRUDER ALARM SYSTEM, INTERCOM, FIRE ALARM SYSTEM INSTALLATION AND SERVICE. client co ordination. drilling and laying of cable. need to do survey of new site and report to the respected person.

● IT Technician

Experience: 0-2 years

Job location: Dubai

Job Description: strong experience in Cabling (UTP CABLES , POWER CABLES), CCTV installation(DVR,NVR ,cameras type, configuration), security devices (fingerprint , access card) etc

● ELV Technician

Experience: 3-5 years

Job location: Dubai

Job Description: Knowledge of Network Cabling with CAT 5 / CAT 6 cables including termination / use of crimping tools .Troubleshooting of underground Optic Fiber Cabling including use of OTDR. Troubleshooting of Access Control System / Public Address System / CCTV systems. Knowledge of IF / RF / SMATV / EPABX systems

● Security Systems Engineer

Experience: 2 years

Job location: Dubai

Job Description: Should have experience in installing and configuring Security Systems (CCTV, Access Control, Intrusion Detection System)

● CCTV/PA System Technician

Experience: 1-2 years

Job location: Abu Dhabi

Job Description: Hands own experience in installation of IP, CCTVNVR Access control T&A System, PABX and basic knowledge in servers and storages installation.



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