



Kenmark International

# Smart home guide

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1

## Smart home guide Agenda

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1. Wi-Fi network
2. Smart lighting
3. **Smart speakers**
4. **Multi-room audio systems**
5. **Smart Entertaining system**
6. **Smart thermostats**
7. **Home security cameras**
8. **Smart smoke and carbon monoxide detectors**
9. **Smart Irrigation**
10. **Pool and Spa automation**
11. **Kitchen appliances**
12. **A word about IFTTT (If This Then That)**
13. TP-Link KASA
14. Harmony remotes
15. Can Alexa do it all?

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ALEXA  
CONTROL  
ALL

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### ➤ Wi-Fi network

You *must* have a good wireless Router/Modem—ideally one that can reach all corners of your home. Install a Mesh network.

- ❖ **Mesh Wi-Fi or Whole Home Wi-Fi** systems consists of a main router that connects directly to your modem, and a series of satellite modules, or nodes, placed around your house for full **Wi-Fi** coverage.
- ❖ They are all part of a single **wireless network** and share the same SSID and password, unlike traditional **Wi-Fi** routers.

### Mesh Wi-Fi

1. TP-Link Deco M9 Plus
2. Google Nest
3. Amazon Eero Pro 6



<https://www.pcmag.com/picks/the-best-wi-fi-mesh-network-systems>

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### ➤ Smart lighting

- ❖ Lighting is the entry point.
- ❖ Many smart lighting systems work perfectly well without a central hub and are still capable of interacting with other smart home elements.
- ❖ Bulbs from Cree, LIFX, and TP-Link, for example, communicate over Wi-Fi
- ❖ Philips Hue bulbs—communicate via the Bluetooth radio in your smartphone.



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### Smart speakers

Pulling out your smartphone to dim the lights on movie night? Saying “dim the lights” and having a smart speaker linked to your smart lighting do it for you.

The Amazon Echo series and Google Home series are the market leaders in this space.

Amazon has held the lead for the past few years. It has a much larger installed base, has enjoyed much broader support, and had the only smart speakers with displays for a time—Google is coming on very strong.



Apple  
HomeKit ecosystem  
HomePod smart speaker

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### ➤ Multi-room audio systems

- ❖ Sophisticated multi-room speaker systems from Sonos, Yamaha (MusicCast), and Denon (HEOS).
- ❖ Self-contained, enabling you to drop speakers in multiple rooms in your home so you can stream music.
- ❖ Your own collection
- ❖ Online services such as Spotify to all of them in sync.
- ❖ Send different tracks to each one.

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### ➤ Smart entertainment system

Logitech Harmony universal remotes with Alexa

<https://www.logitech.com/en-us/harmony-universal-remotes>



HARMONY HUB

HARMONY PRO

#### HARMONY FEATURES:

- TURN ON/OFF TV + ENTERTAINMENT
- CHANNELS
- SMART HOME DEVICES
- VOICE WITH ALEXA
- SMART PHONE CONTROLS
- REMOTES
- FAVORITES

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### Theater Room Equipment connections – Harmony 1100 + Extender setup

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Harmony Remote	Equipment	Model Number	Denon AVR-X1400H
Watch TV	Xfinity modem/router	H23-600 Harmony, Closet: HR34-700, Others: CS1-600	TV HDMI
Watch DVD	Sony Blue Ray #1118490	UBP-X800	Blue Ray HDMI
VCR Usage	Samsung VCR – DVD combo	DVD-VCR375	BD HDMI
Listen to Radio			No input only one used
Nothing	Sony Proctor	VPL-VW675ES	HDMI Out

**Equipment connections**

**Denon**

Backspeakers

Woofer speaker

Left, Right, Center speakers

TV HDMI

Blue Ray HDMI

BD Audio and Video

HDMI 2

Sony Proctor VPL-VW675ES

Sony Blue Ray

Samsung VCR – DVD combo

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### Bedroom Room Equipment connections – Harmony Ultimate Home & Alexa through Pyle

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Bedroom Room Equipment

Harmony Remote	Equipment	Model Number	Pioneer Receiver VSX-520
Watch TV	Xfinity modem/router - Samsung	CS1-600	Satellite HDMI
Watching DVD Netflix	Sony DVD Blue Ray 3D	BDP-8X58	DVD HDMI
Listen to Radio			No input only one used
Alexa	Pyle - 90 Watt Bluetooth Wireless Streaming Stereo Mini Power Amplifier	PFA330BT	Back Speakers

**Equipment connections**

**Pioneer**

Front speakers

Back speakers

TV HDMI 1

HDMI 2

Blue Ray

HDMI 2

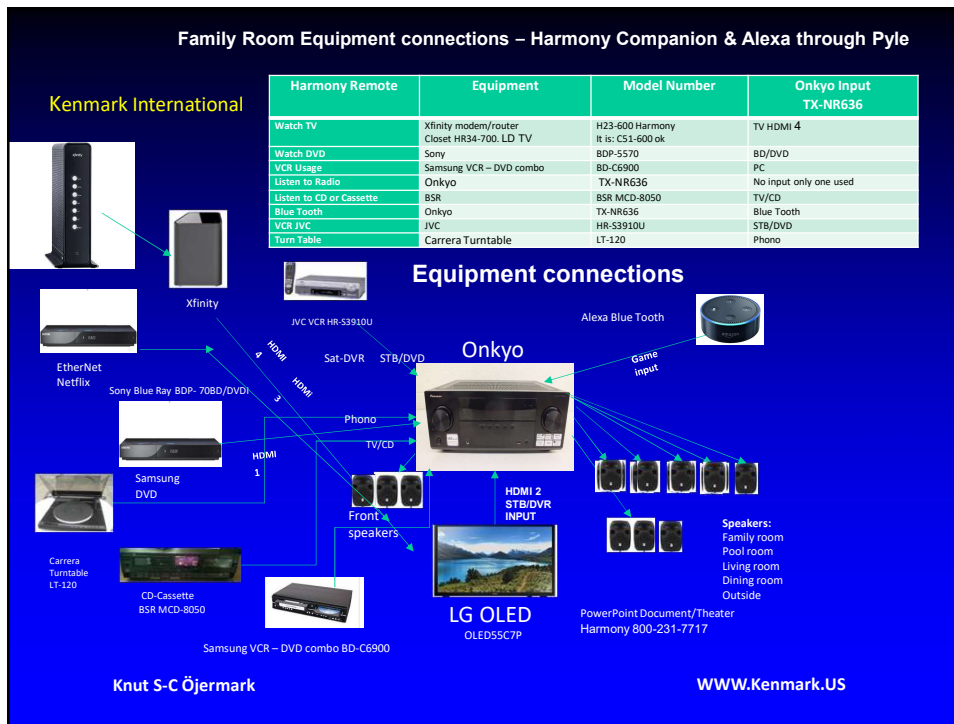
Sony Blue Ray

Pyle Alexa Blue Tooth

Samsung

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10



11

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**Kenmark International** ➤ **Smart thermostats**

- ❖ Few smart home devices can match a smart thermostat's ability to deliver both comfort and cost/energy savings.
- ❖ They can detect *when* you're home and when you're away, so that your HVAC system operates only when it's needed.
- ❖ The latest trend IS put in the rooms you occupy most frequently.

1. Ecobee SmartThermostat with voice control
2. Nest Learning Thermostat (3rd generation)
3. Wyze Thermostat

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### ➤ Home security cameras

- ❖ A quality home security camera will enable you to keep a watchful eye on your home, especially while you're away.
- ❖ Indoor models can monitor your children and pets.
- ❖ Outdoor models can catch prowlers in the act—and hopefully discourage them from coming around in the first place.
- ❖ Some models—from Ring, Arlo, Netatmo, and Maximus—incorporate lights that can illuminate your way.
- ❖ Cameras in doorbells can monitor your front and let you interact with visitors without needing to approach the door, or even be home at the time.

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### ➤ Home security

#### Wireless Motion Detector

- Motion Detector
- Model Number: 5800PIR
- Item Package Dimensions: 5.6" L x 6.3" W x 9.4" H
- Item Package Weight: 3.9 lb



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### ➤ Home security

#### Wireless Glass Break Detector

- Sleek design with front and back case tamper
- Ten year battery life with easily replaceable batteries
- Senses the sound of variety of glass (tampered, wired, laminate, ordinary plate, etc.)
- Covers about 30 Sq feet
- Four selectable sensitivity settings (Max, Medium, Low and Lowest)
- Test mode can be activated remotely with FG-701 Tester (sold separately)



❖ Motion sensors

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### ➤ Home security

#### Wireless Motion Detector



One  
each  
room

#### Wireless Glass Break Detector



One  
each  
room

Connected to security system

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16



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### ➤ Home security cameras. Link.

- ❖ [https://www.top10besthomesecurity.com/outdoor-camera?bkw=best%20outdoor%20security%20cameras&bcampid=267789303&bcamp=Home%20Security%20US%20-%20Search%20-%20Bing&bagid=1179776845507239&bag=Security%20Cameras%20-%20Outdoor&btarid=kwd-73736172252724:loc-4084&bidm=be&bnet=s&bd=c&bmobval=0&bt=search&utm\\_source=bing&utm\\_medium=cpc&utm\\_term=Best%20Outdoor%20Security%20Cameras&utm\\_campaign=Bing+CPC+Campaign&c=73736220175845&m=e&k=73736172252724&binterest=&bphysical=43940&bfeedid=&a=B402&ts=&topic=&upf=&test=&msclkid=9024e09975e217733dd880889e234b43](https://www.top10besthomesecurity.com/outdoor-camera?bkw=best%20outdoor%20security%20cameras&bcampid=267789303&bcamp=Home%20Security%20US%20-%20Search%20-%20Bing&bagid=1179776845507239&bag=Security%20Cameras%20-%20Outdoor&btarid=kwd-73736172252724:loc-4084&bidm=be&bnet=s&bd=c&bmobval=0&bt=search&utm_source=bing&utm_medium=cpc&utm_term=Best%20Outdoor%20Security%20Cameras&utm_campaign=Bing+CPC+Campaign&c=73736220175845&m=e&k=73736172252724&binterest=&bphysical=43940&bfeedid=&a=B402&ts=&topic=&upf=&test=&msclkid=9024e09975e217733dd880889e234b43)

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### ➤ Smart smoke and carbon monoxide detectors

- ❖ Conventional smoke and carbon monoxide detectors are inherently dumb devices.
- ❖ Their alarms might be loud, but if no one's home to hear them, what good do they accomplish?
- ❖ A smart smoke detector will sound a local alarm, too, but it will also send an alert to your smartphone, Security company and to anyone else you authorize as a contact.

Nest



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### ➤ Smart Irrigation

- ❖ Water is our most precious resource.
- ❖ A smart irrigation system for lawn and garden get enough moisture to be healthy.
- ❖ Smart irrigation systems can also be complex, using a purpose-built app is usually better anyway.
- ❖ Rachio builds our favorite products in this category, but Wyze Labs recently jumped in with a budget-priced competitor.
- ❖ B-Hyve is inexpensive and great.

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### ➤ Smart pool and spa

- ❖ **iAquaLink**
- ❖ Complete pool and spa control with the touch of a finger
- ❖ **Highest-Rated Pool Control App**
- ❖ iAquaLink is free for Apple® and Android™ smartphones and tablets
- ❖ **Ultimate Convenience**
- ❖ You don't have to visit the pool pad to turn valves or set up pump speeds. Do it all from the app or Alexa!
- ❖ **Anytime, Anywhere Control**
- ❖ Control up to 32 pool/spa features through the app and a web-connected smart device

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20

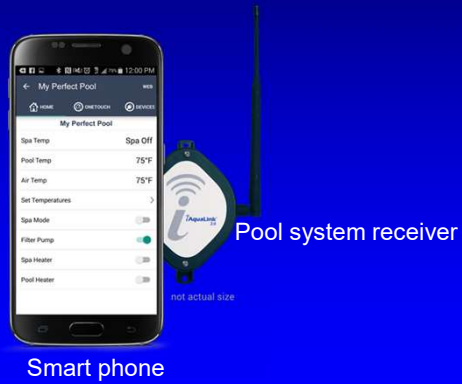
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### ➤ Smart pool and spa

#### ❖ iAquaLink

- ❖ Complete pool and spa control with the touch of a finger.
- ❖ Alexa turn on hot tub.



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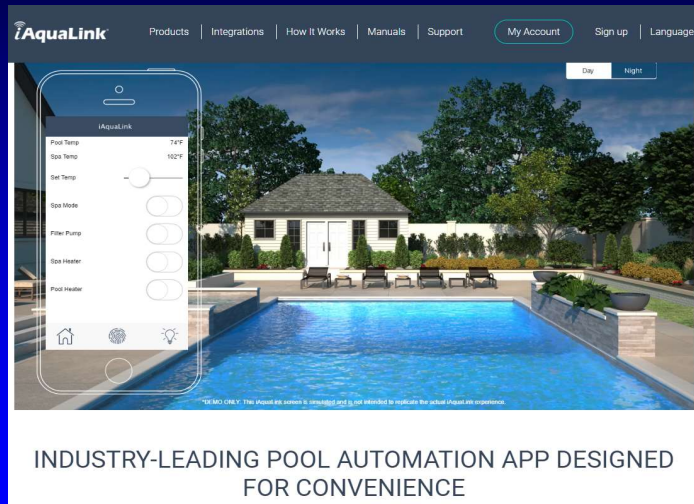
21

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### ➤ Smart pool and spa

#### iAquaLink



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### ➤ Smart Kitchen appliances

#### 7 Wi-Fi Enabled Smart Appliances

1. LG Signature Series [LUPXC2386N](#) 36 Inch Counter Depth French Door Refrigerator.
2. Samsung [NX58K7850SS](#) 30 Inch Flex Duo Gas Range.
3. Samsung [NZ30K6330RS](#) 30 Inch Electric Cooktop
4. LG [LSE4617ST](#) 30 Inch Slide-In Induction Range
5. Frigidaire Gallery Series [FGRC0844S1](#) 8,000 BTU Smart Air Conditioned.
6. LG TurboWash Series [WM3700HVA](#) 27 Inch 4.5 cu. ft. Front Load Washer.
7. LG TurboSteam Series [DLEX3700V](#) 27 Inch 7.4 cu. ft. Electric Dryer

<https://www.ajmadison.com/learn/7-wi-fi-enabled-smart-appliances-for-a-smarter-home/>

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### ➤ Smart Kitchen appliances

#### Dacor Wi-Fi enabled kitchen



Smart Hood Bluetooth  
Turns on fan if cooking.



Smart Range – Wi-Fi  
connected

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➤ TP link – Kasa app

### Start a Smart Home the Easy Way

Forget about complicated setups that include hubs and other accessories, Kasa is simple. All you need is a WiFi connection, and Kasa will get you set up.

### Control and Manage from Anywhere

The friendly and easy-to-use Kasa app puts control in your hands, allowing you control and manage your smart home from anywhere.

### Control Your Home Using Your Voice

Use simple voice commands and Alexa or Google Assistant to control any of your Kasa products.

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➤ TP link – Kasa app



Kasa Smart Plug



Kasa Smart Light Switch



Kasa Smart Light Switch

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- A word about IFTTT
- (If This Then That)

- ❖ IFTTT (If This Then That).
- ❖ It can enable thousands of smart home devices to interact with thousands of other smart home devices.
- ❖ Most powerful ways of making disparate smart home devices work together is to open an IFTTT account.
- ❖ A service in which an action by one device (or service) can trigger an action on one or more *other* devices or services.
- ❖ IFTTT was once a free service, but it is no longer. IFTTT Pro account, which costs \$3.99 per month.

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- A word about IFTTT
- (If This Then That)

- ❖ One, for example, will trigger your Philips Hue smart bulbs to flash when a timer you set on an Amazon Echo runs out.
- ❖ Expressed as an applet, this would be “When the timer on my Amazon Echo runs out” (the *if this* half of the applet), **then** flash my Philips Hue smart bulbs (the *then that* half of the applet).

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28

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- A word about IFTTT
- (If This Then That)

- ❖ IFTTT is super simple to use:
- ❖ To create an applet, go to the [IFTTT website](#) and then point and click on the service or device you wish to use as a trigger (the *this* in If This Then That).
- ❖ Link them to your IFTTT account.
- ❖ Then point and click on the service or device(s) you wish to act when that trigger is activated.

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29



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CONTROL  
ALL

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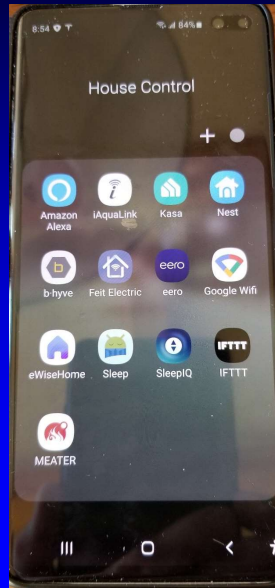
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## Smart home guide My phone organized



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### ➤ Alexa

(Tell) Alexa (Turn On/Off):

On Alexa App set up devices and groups by giving names:

- ❖ Brew Coffee
- ❖ Dim the Bedroom Lights by 20%.
- ❖ Bedroom lights
- ❖ Switch the Game Room Light to Blue
- ❖ Enable Away Mode
- ❖ Hot tub / Pool filter / Cleaner
- ❖ Outside lights, Front lights, backyard lights, pool lights etc.
- ❖ **Everything (going to bed, we do: "Alexa turn off everything"**

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DOWN  
XMAS  
TREE

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34



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# Questions

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