

Tech Accelerator: Smart Home Automation for Being Self-Sufficient



Presenter

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Presentation Outline

1. What is a Smart Home?
2. Who can Benefit from Smart Home Tech?
3. Examples of Smart Home Devices
4. Where to Start?
5. Funding
6. Questions

What is Smart Home Technology?



- Devices that allow you to more easily monitor and control your home environment
- Can be controlled through a central hub or through individual devices, which are connected through a wired or wireless network
- Most often requires a smart phone and wifi internet access
- Can be activated by touch, voice command, or assistive tech devices (i.e. switch, joystick, eye gaze, AAC)

Who can benefit from smart home technology?

Variety of features depending on accessibility needs:

- **Mobility**

- Switch, eye gaze, or voice control make using many appliances and devices hands free

- **Cognition and Memory**

- Auditory, visual, and/or tactile cues and reminders
- Automatic schedules and smart sensors

- **Speech**

- AAC device voice recognition
- Switch or touch control

- **Hearing**

- Vibration from wearables and smart devices
- Visual alerts through flashing lights and text messages
- Integration with messaging apps and VRS

- **Vision**

- Screen reader compatibility
- Smart displays can verbally identify objects through built in camera

Lighting Control

- Smart Light Bulbs
- Smart Switches
- Smart Plugs or Outlets



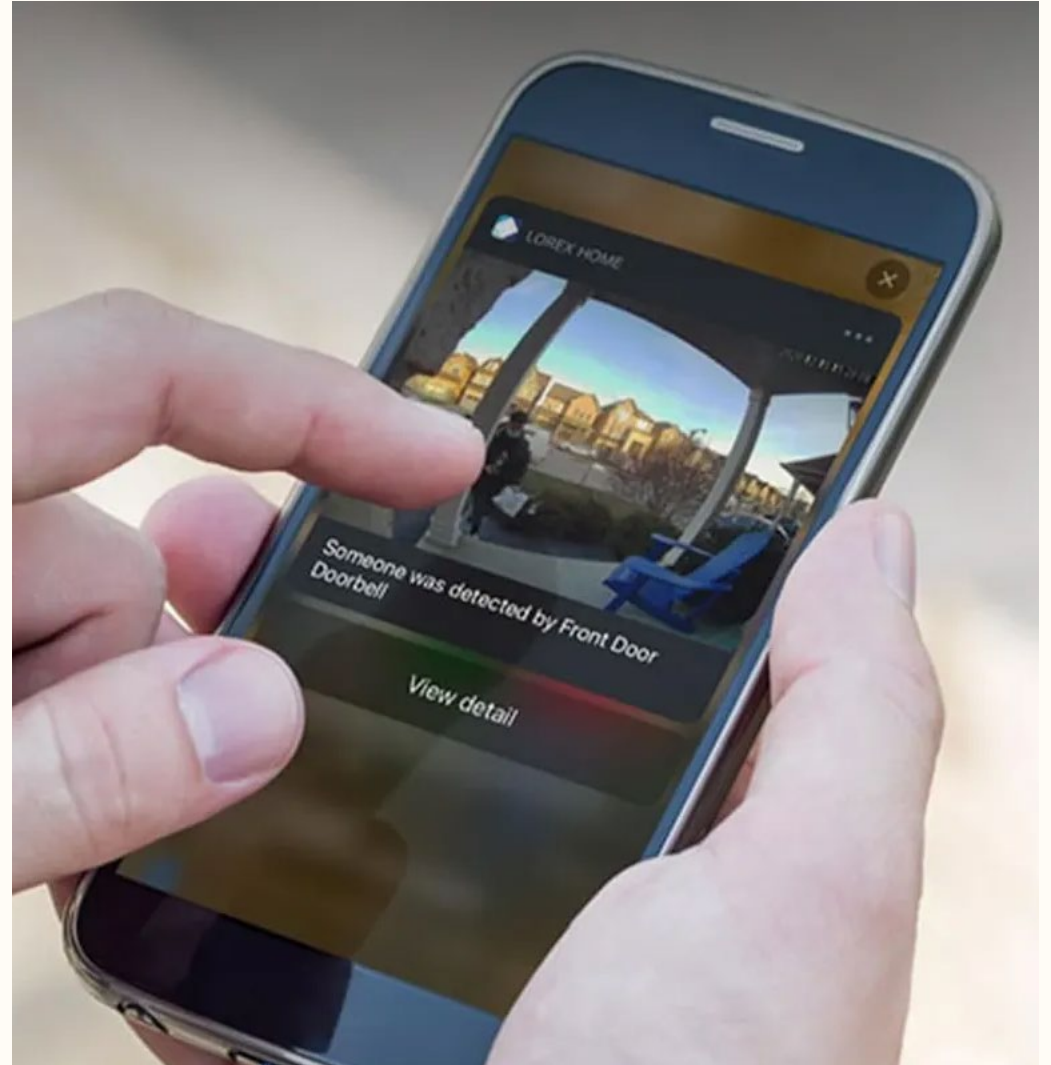
Climate Control



- Smart Thermostat
- Smart Fans
- Smart Fireplaces
- Smart Blinds
- Smart Switches

Home Access

- Smart locks for doors and windows
- Smart garage door openers
- Smart doorbells



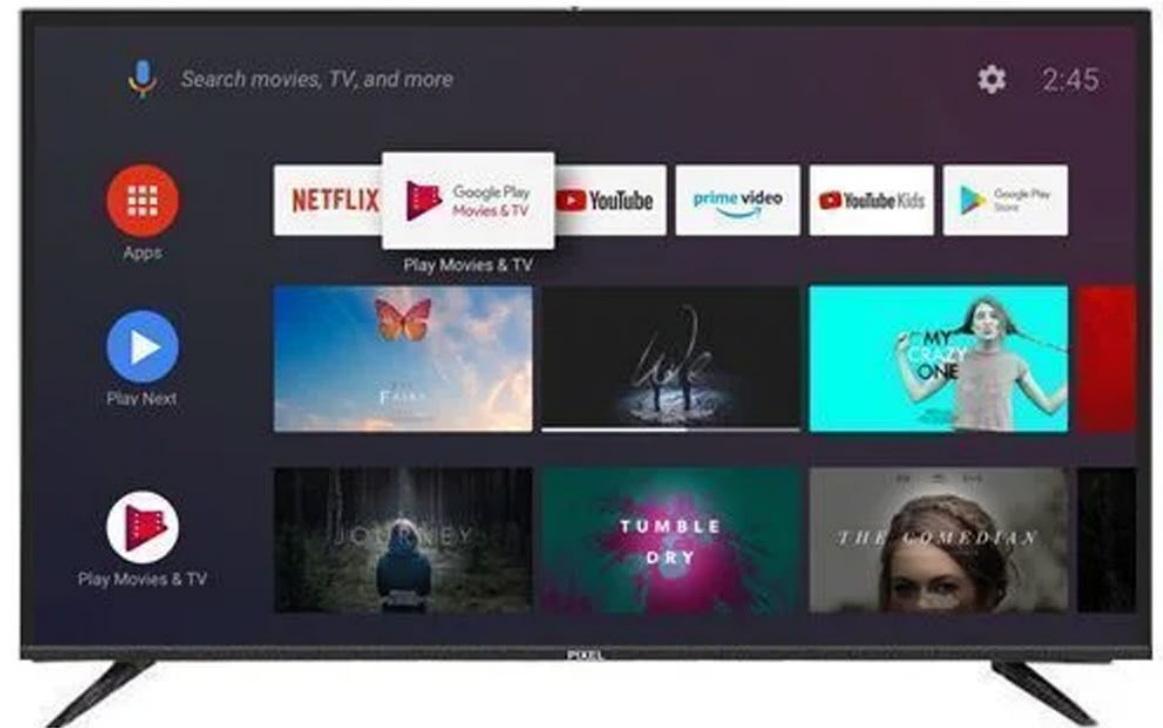
Safety and Security



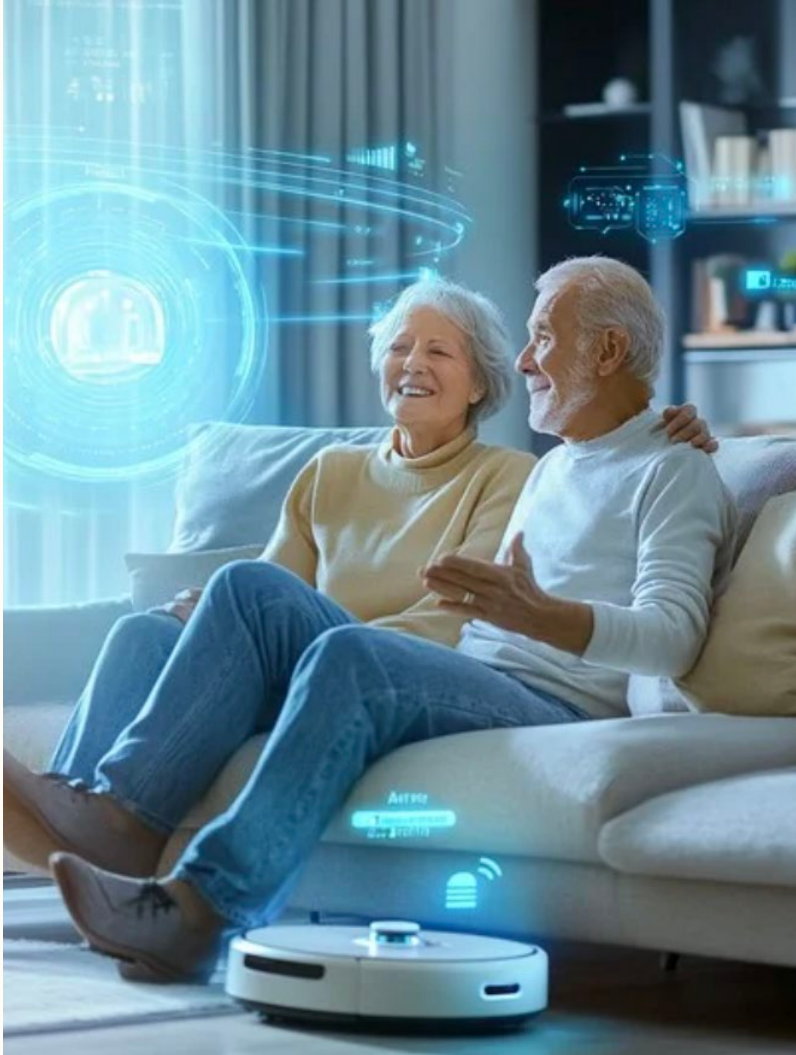
- Indoor/outdoor smart cameras and security systems
- Smart smoke and carbon monoxide detectors
- Smart watches and other health monitoring technology
- Emergency Alert Systems

Entertainment

- Smart TVs and streaming devices
- Smart Speakers and Displays
 - Hear jokes
 - Get the news
 - Play music and podcasts
 - Listen to radio or an audiobook
 - Obtain new cooking recipes
 - Play games



Home Management



- Use smart speakers and displays for reminders/lists
- Smart plugs can turn most simple electronic devices on/off
- Smart vacuums/mops
- Smart appliances
- Automatic food and water dispensers for pets

Streamline Your Schedule

- Automation
 - Set time/schedule for a smart device
 - Smart vacuum runs every other day at 4:00pm
 - Smart touch sensor automatically sends alert if window is opened
- Routines
 - One command triggers multiple smart home devices
 - When you say “Alexa, good night,” to smart speaker, the lights turn off, overhead fan turns on, white noise machine turns on

A Smart Morning Routine

- “Alexa, good morning”
- This triggers the smart speaker to tell you the weather and your appointments for the day
- Smart lights turn on, smart blinds go up
- Coffee machine turns on

- A reminder alert on your phone and watch occurs to take your medication, and if you miss a dose a message is sent to caregiver
- Smart speaker gives 30 minute and 15 minute warnings for when its time to leave for work, both verbally and with vibration and text message on your smart watch

How do I get started?!

- Figure out:
 - What you want to accomplish
 - Where in your home you want to accomplish it
 - What features you need
- Can use Smart Home Assessment Guide on SmartHomesMadeSimple.org
- Its okay to start small
 - Consider device compatibility



Installation and Set Up

1. A mobile device
2. Dependable Wi-Fi internet service
3. Access to the router, its ID, and password
4. A system for creating and managing multiple secure passwords
5. A person with the comfort and ability to install and support the devices
6. An understanding of the limits of your home construction, electrical system, and internet connection
7. Professional support where necessary

Funding Smart Home Technology

- Check if one time purchase or ongoing subscription fee
- Consider if need to fund accessories or installation costs
- Pennsylvania's HCBS Waiver Programs
- Office of Vocational Rehab
- PA AT Foundation's Alternate Financing Program (AFP)
- Private grant funding

Get in touch and follow along!

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Questions?



Survey

[Bit.ly/TechOWLSurvey](https://bit.ly/TechOWLSurvey)

Title of Presentation:
Home Automation

Presenter:
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