

AFFORDABLE SMART HOMES



The title 'AFFORDABLE SMART HOMES' is centered in large, bold, blue sans-serif font. A thin blue horizontal line extends from the left side of the first 'A' to the right side of the last 'E'. Small circular blue dots are placed at the end of each line. The background is a light purple gradient.

WHY SMART HOME NERDS LIKE DUMB TECH

A series of thin blue lines and small circular dots are scattered across the slide, resembling circuit board traces or data paths. One line extends from the left edge towards the top center, another from the bottom right towards the middle, and several others are concentrated around the title text.

WHY I’M NOT ALLOWED TO BE UNSUPERVISED IN LIDL’S MIDDLE AISLE ANY MORE

Galway IT Meetup x
Home Assistant Community Day

I LOVE TECH

But even I wasn't about to pay full price for a
brand-name smart bulb.

Surely there was an alternative?



PHILLIPS HUE -
€109.95

I LOVE TECH

IKEA TRÅDFRI offered similar features at a fraction of the cost.

It also offered an app, but the internet let me into a secret.

Because it used the Zigbee protocol, you could just integrate with Home Assistant!



PHILLIPS HUE
€109.95



IKEA TRÅDFRI
€12



I needed a Zigbee adapter as I started out with a Pi. Other bridges may work instead!

ADD IN SOME EXTRAS



PHILLIPS HUE
~€50



IKEA TRÅDFRI
~€10

ADD IN SOME EXTRAS



+



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No more fumbling over
cats trying to get to bed
at night

INSPIRATION STRIKES



MAYBE I LIKE THE MISERY.

INSPIRATION STRIKES



PHILLIPS HUE
~€39



IKEA TRETAKT
~€12



AMAZON
~ £20

INSPIRATION STRIKES



PHILLIPS HUE
~€39



IKEA TRETAKT
~€12



AMAZON
~ £20

INSPIRATION STRIKES



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DUMB ESPRESSO
MACHINE
€€€€€

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Coffee machine warmed
up and ready for work
before you are.

SOLVING ACTUAL PROBLEMS

IKEA at the time only offered a limited range of sensors. I didn't have the confidence to try DIYing sensors so my research led me to... Amazon.

More specifically, a budget brand called Aqara only selling through Amazon in Europe.

01

Door opening sensors triggering an alert if we left an outside door open at night, or if it started raining

02

Water leak sensors to alert us before our cat's water fountain needed refilling

03

A light sensor that triggered lights to turn on and a blind to roll down in the evenings.

**JUST WHEN LIAM
THOUGHT IT WAS
SAFE**



LET THERE BE LED LIGHTS



PHILLIPS HUE
~€60



NANOLEAF
~€50



LIDL
~ £24

INSPIRATION STRIKES



PHILLIPS HUE
~€39



IKEA TRETAKT
~€12



AMAZON
~ £20

INSPIRATION STRIKES



PHILLIPS HUE
~€39



IKEA TRETAKT
~€12



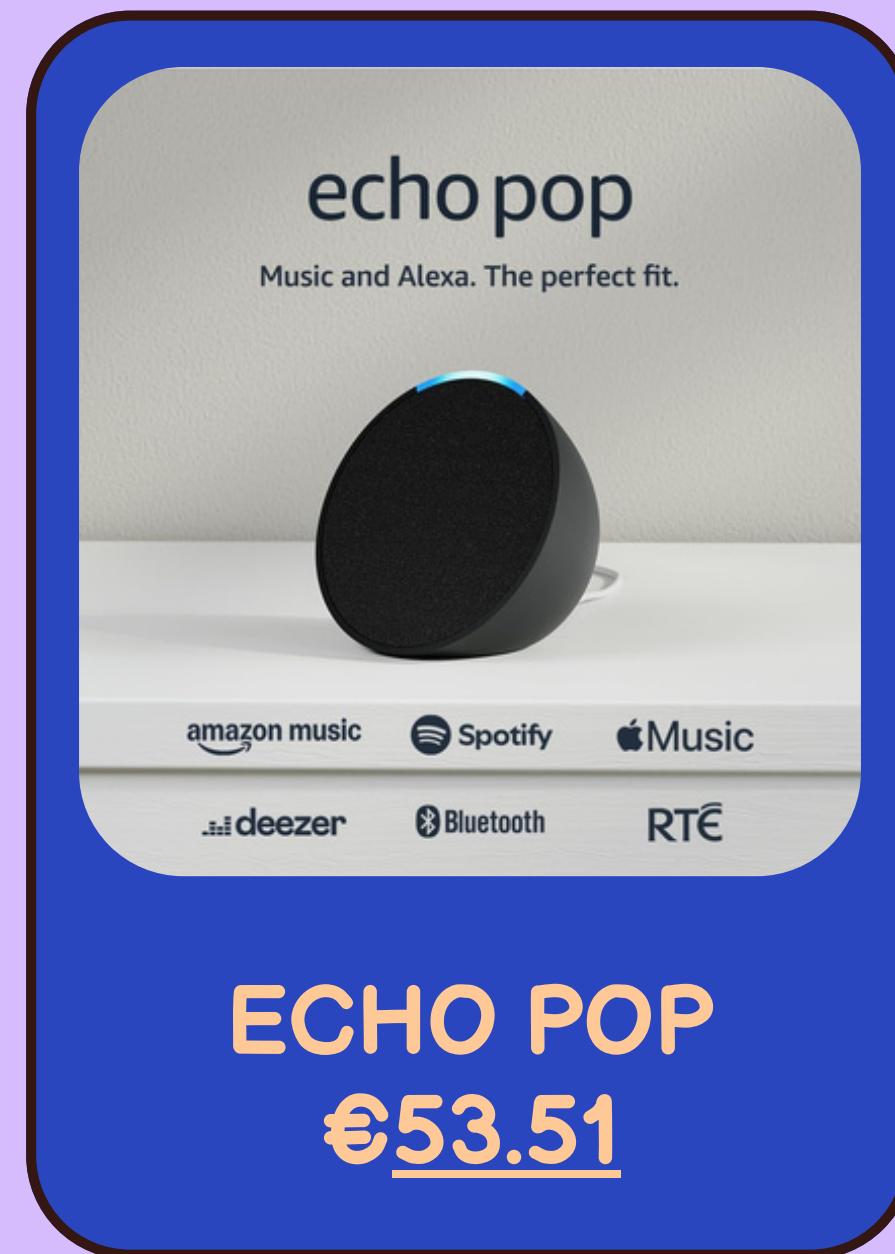
AMAZON
~ £20



LIDL
~ €12

**BUT THERE'S ONE
THING LEFT...**

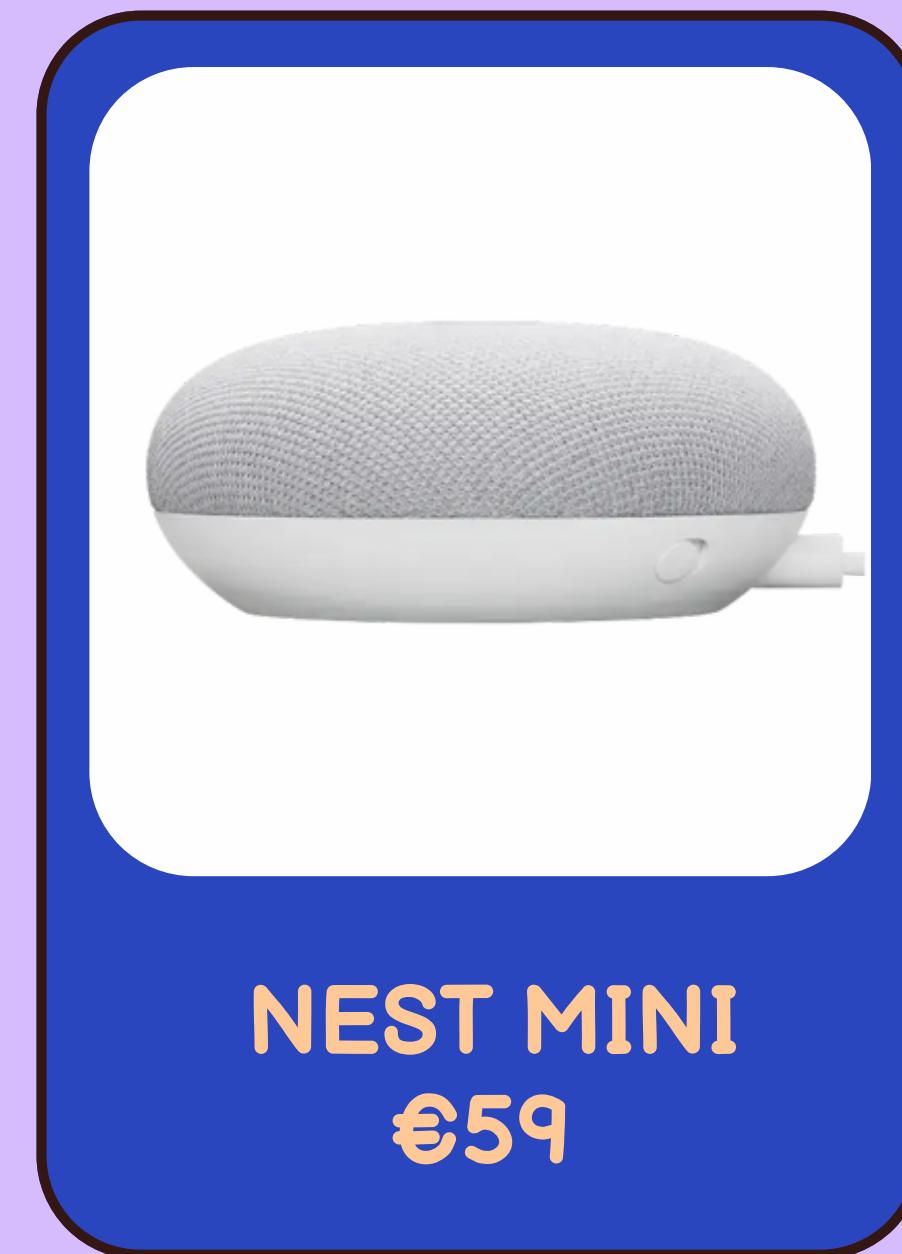
VOICE ASSISTANTS



echo pop
Music and Alexa. The perfect fit.

amazon music Spotify Apple Music
deezer Bluetooth RT€

ECHO POP
€53.51



NEST MINI
€59



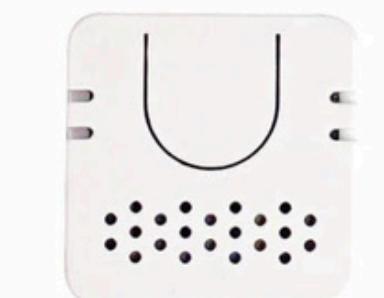
APPLE
HOMEHUB MINI
~ €109

VOICE ASSISTANTS

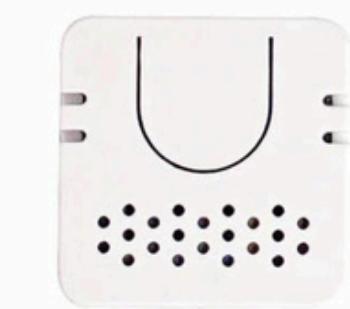
Home Assistant announced voice control functionality, with two tutorials to make use of it!

One upgraded an old landline phone.
The other promised the world's cheapest
voice assistant.

The community wants voice, we'll give them voice!
– HA Devs, I assume



M5STACK
ATOM ECHO
???



M5STACK
ATOM ECHO
€15



M5STACK
ATOM ECHO
€15



HA VOICE
PREVIEW
€60 - €65

DIY SMART APPLIANCES



POWER
MONITORING
PLUG

+



SHELLY
SMART
SWITCH

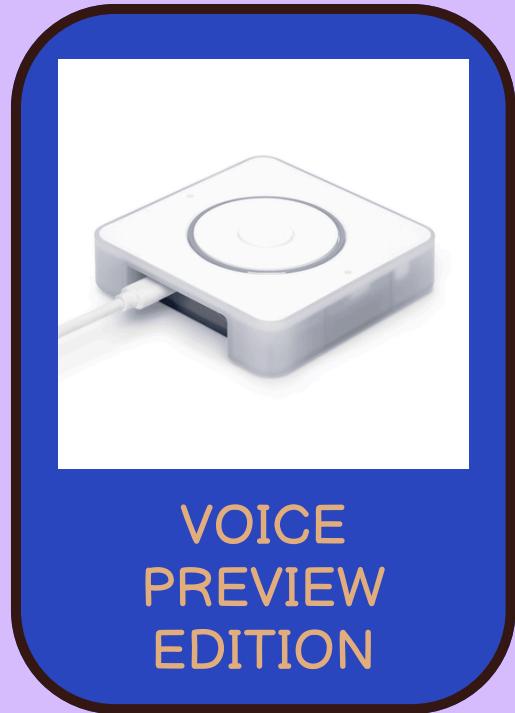


WASHING
MACHINE

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- Track power usage
- Alerts when it finishes
- Add leak sensor to detect leaks before it gets bad
- Samsung doesn't get to know what day is laundry day

DIY SMART APPLIANCES



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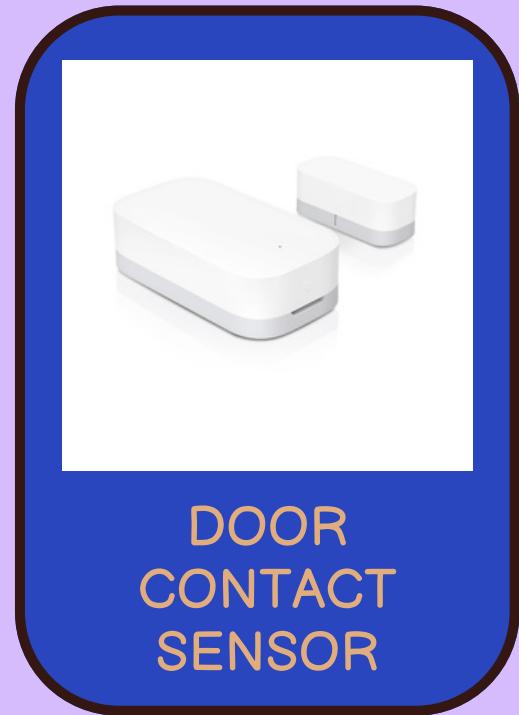
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- Open the oven door to trigger Voice PE asking you if you'd like to set a timer
- Send an alert to your phone / play alert over smart speakers when finished

DIY SMART APPLIANCES



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- Track temperatures to ensure food stays fresh
- Vacuum seal the sensor to protect it.*
- Contact sensor to alert if the door hasn't closed fully.



QUESTIONS?

Thoughts?

