



Aqara Smart Presence Sensor FP1E Introduction

continuous connection

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Product Overview



Positioning: Presence Sensor, Entry-level mmWave Radar

Addressing Pain Points: Infrared sensors unable to detect slight movements;

Difficulty in getting started with mmWave radar.

Core Function: AI-powered presence detection

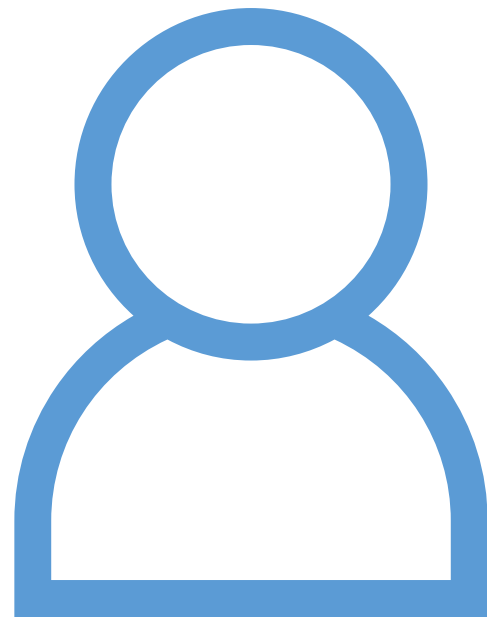
Unique Selling Points: AI spatial learning, AI sensitivity adaptation, AI interference source identification

Use Cases: Smart home human presence detection, energy efficiency, intelligent security

Wireless Communication: Zigbee 3.0

Ecology: Aqara, HomeKit, Google, Alexa, SmartThings

Why Do We Need FP1E?



The requirement for space detection has always been present.



PIR sensor Missed stationary target.



Complex to set the Mini meter wave Rader.

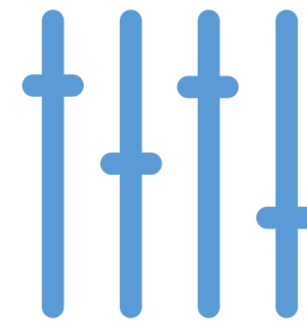
For most users, what is needed is an easy-to-use presence sensor that can accurately detect the presence status right out of the box.

Product Selling Points



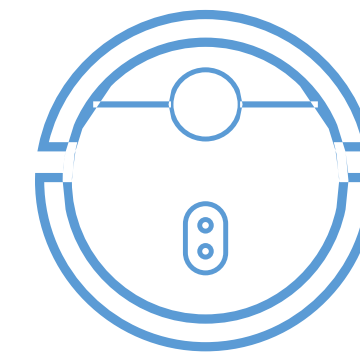
AI Spatial Learning

Automatic rapid learning of spatial background to avoid false alarms caused by strong reflections, slight movements, and electrical device operations.



AI Sensitivity Adaptation

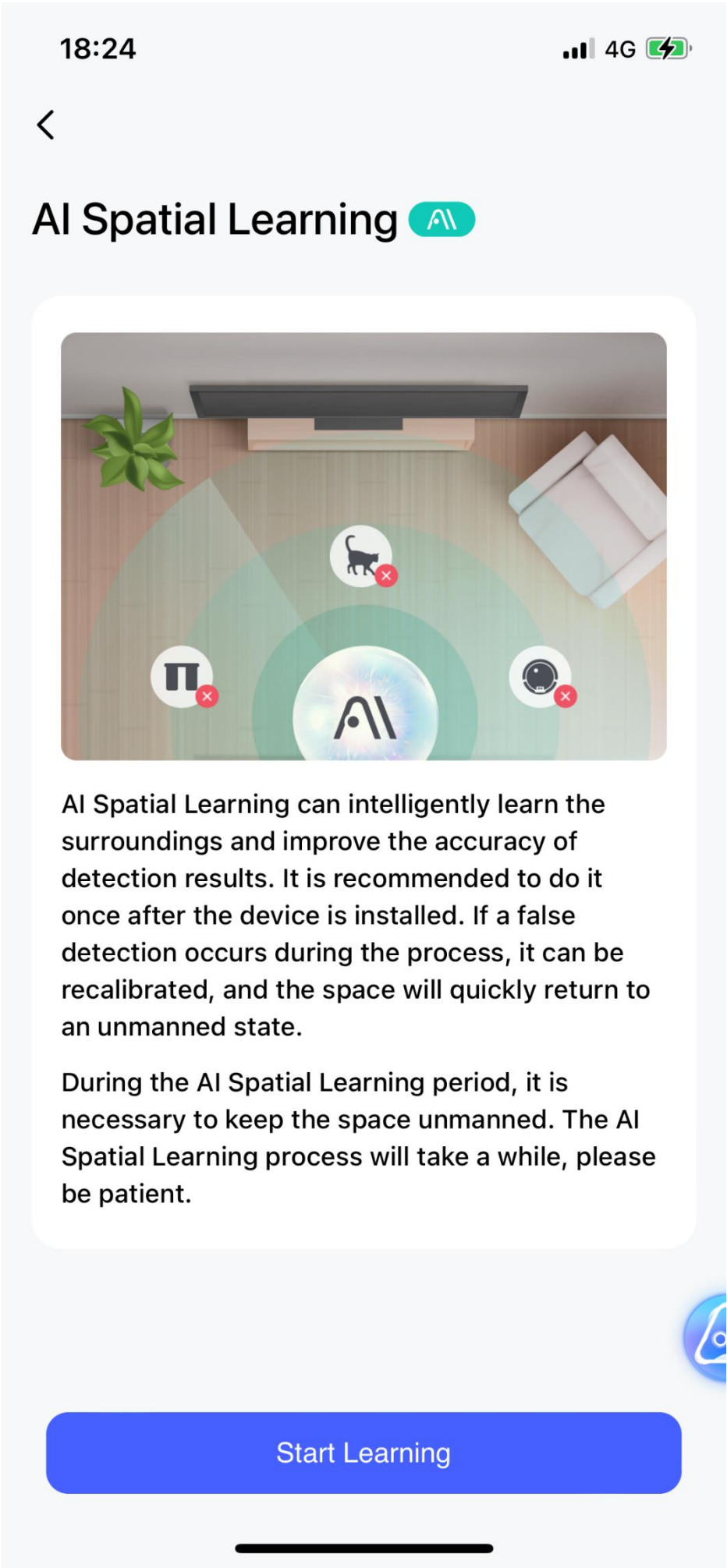
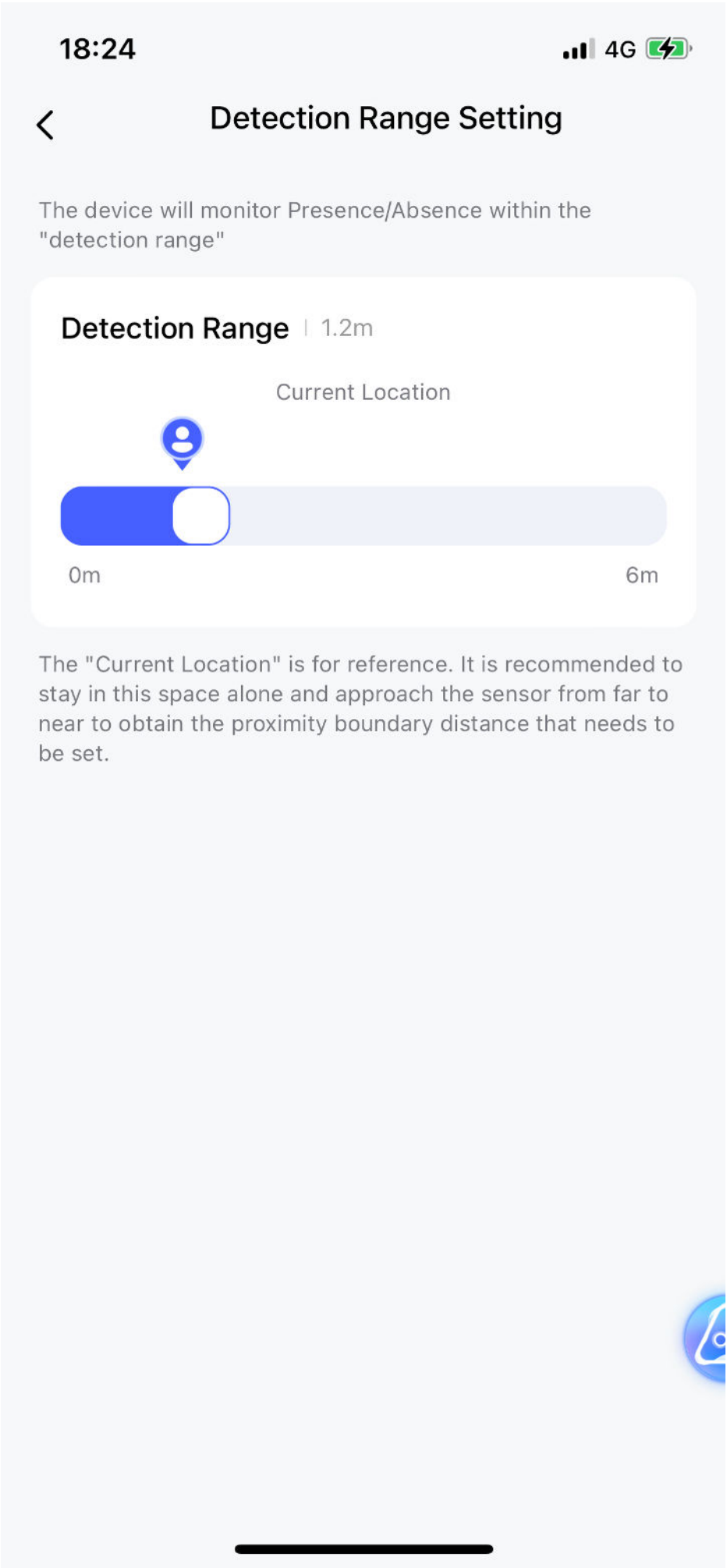
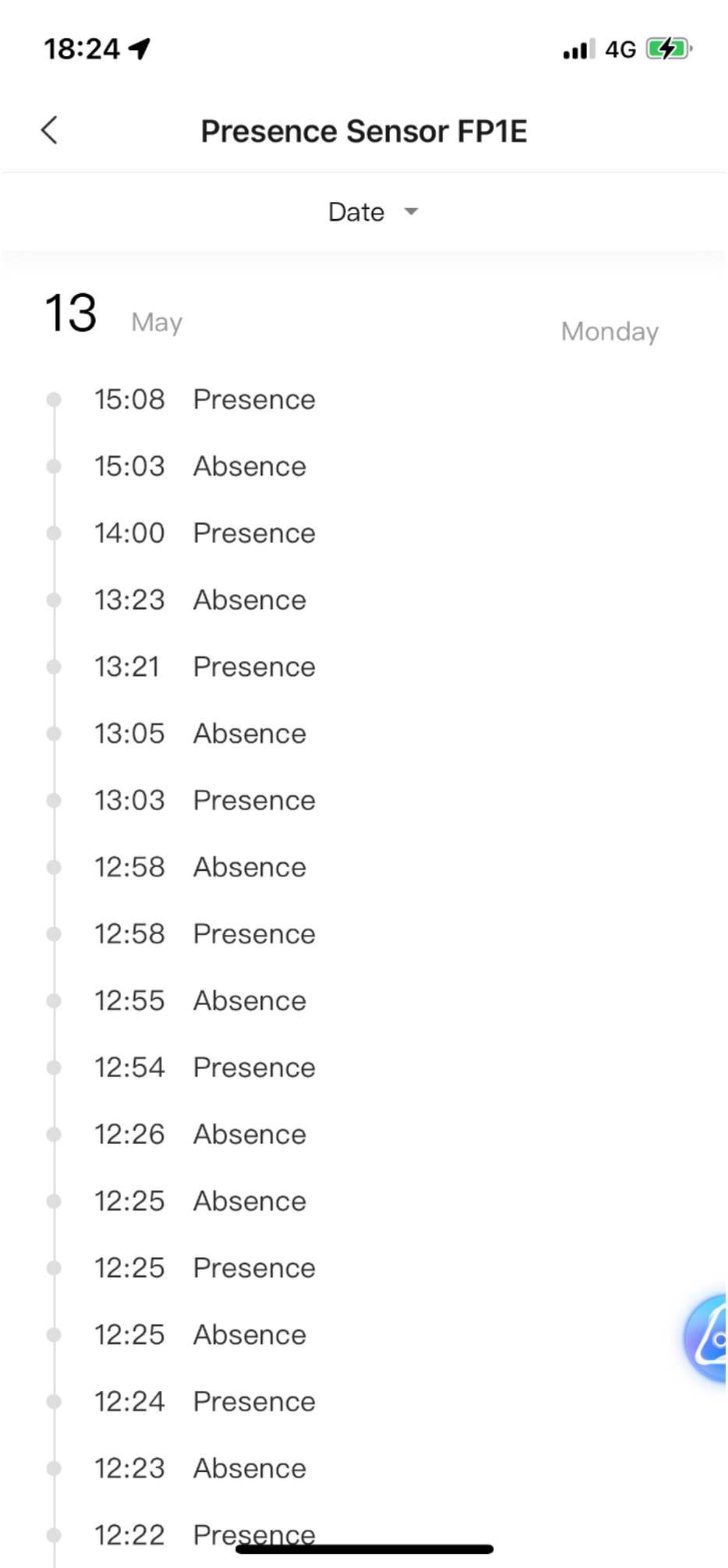
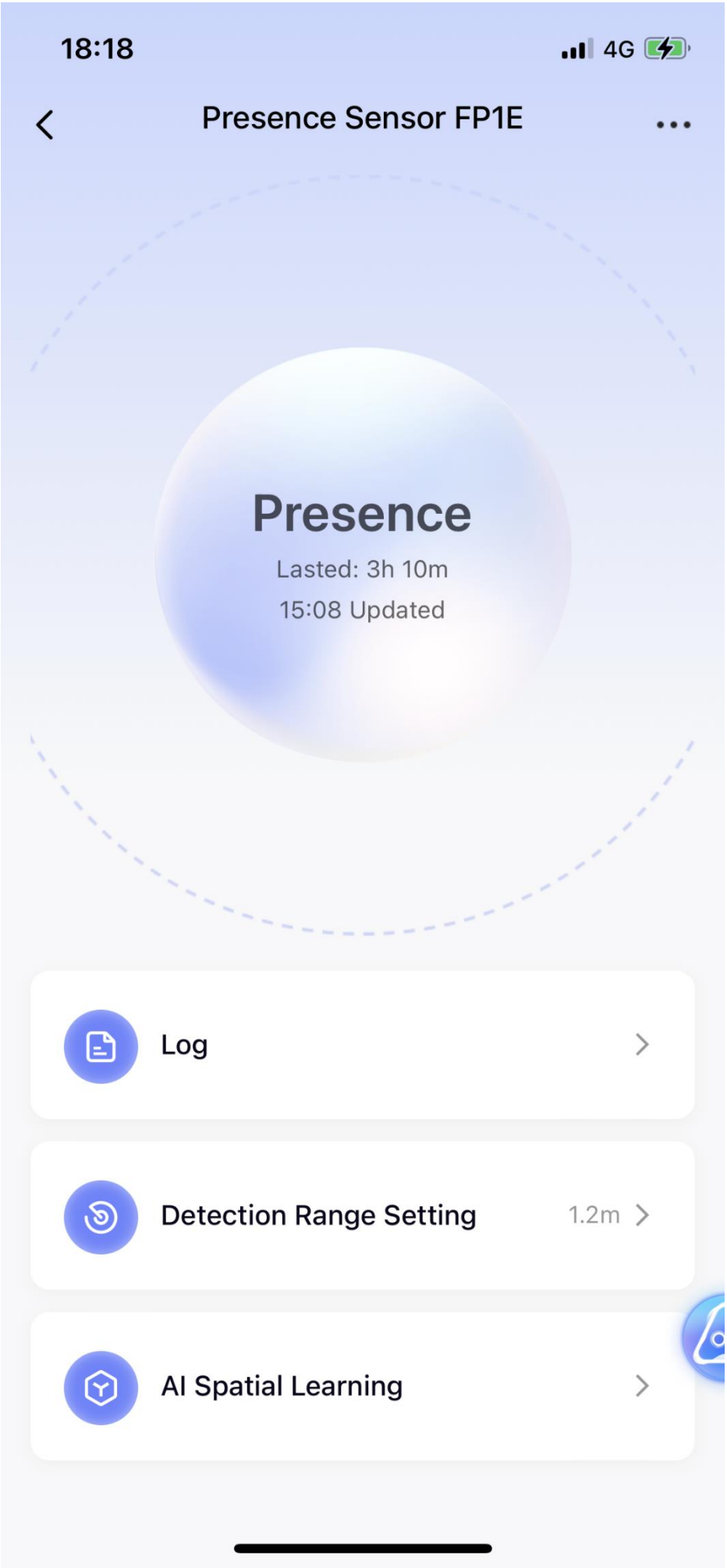
Real-time learning of behavioral patterns and energy states within the space, automatically adjusting monitoring sensitivity for increasingly precise detection with prolonged use.



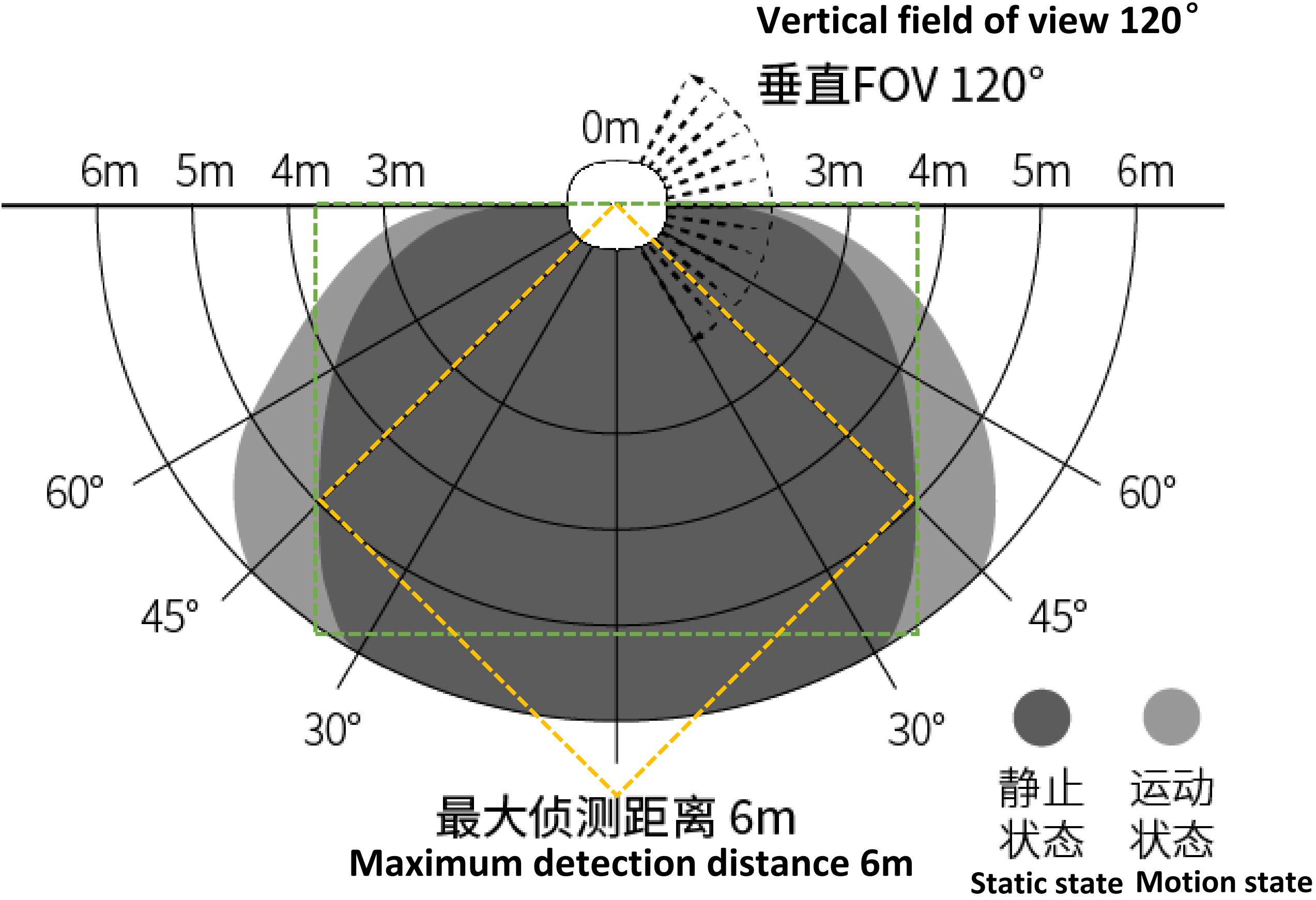
AI Automatic Identification of Interference Sources

Automatically attempt to identify strong interference sources such as air purifiers, electric fans, etc., to avoid interference with detection results.

The more you use it, the more precise it becomes!



Product Detection Range



The device has a maximum detection distance of 6m radially (default), covering a maximum area of approximately 35 square meters. Users can set the maximum detection range from 0-6m.

The field of view (FOV) is 120° both horizontally and vertically, and the maximum detection angle at close range can reach 180 degrees.

*The illustration represents the conceptual detection range under ideal conditions and does not reflect the actual shape of the radar's detection area. The actual detection results may vary depending on the specific environment.

Rich Automations

	Automation	Description
Conditions	Presence	
	Absence	
	Presence for	
	Absence for	
	Motion state	There is someone present and they are in a motion state
	Static state	There is someone present and they are in static /slight movement state
	Motion state for	
	Static state for	
Actions	AI spatial learning	
	Reset the device	

Product Comparison

	FP1E	FP2
Product positioning	Entry-level mmWave presence sensor.	Multi-person positioning, multifunctional space sensor, sleeping monitor sensor, fall detection sensor and more.
Product function	AI presence sensor	Multi-person positioning, sleeping monitor sensor, fall detection sensor.
Detection range	Static range: 6 meters, Dynamic range: 6 meters Maximum detection area: approximately 35 square meters.	Horizontal range: 6 meters, Radial range: 8 meters Maximum detection area: 48 square meters.
Filed of view	Horizontal + Pitch: 120 degrees, maximum 180 degrees at close range.	Horizontal: 120° , vertical 40°
Protocol	Zigbee3.0	WiFi
Platforms support	Aqara, HomeKit, Google, Alexa, IFTTT Home Assistant, SmartThings, Matter over Bridge	Aqara, HomeKit, Google, Alexa, IFTTT, Home Assistant
Sensitivity setting	Adaptative	Manual adjustment
Interference sources setting	Automatically identify the interference sources	Set the interference area manually
AI spatial learning	Continuous AI spatial background learning	Manually
Environment sensor	/	Built-in illuminance sensor
Target users	Regular smart home users and cost-conscious customers.	Mid-to-high-end smart home users, users focused on health and wellness scenarios.

Multiple Installation Method



Ceiling-mounted

The detection range is smaller, making it suitable for requirements where the target is in a stationary or lying down position.



Side-mounted

The detection range is wide, making it suitable for requirements where the target is in a moving or sitting position.



Corner-mounted

The detection range is wide, making it suitable for requirements where the target is in a moving or sitting position.

We provide two installation methods: magnetic attachment and adhesive backing. Users can use the included bracket to flexibly rotate or adjust the angle according to their needs.

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THANK YOU