

[Manuals.plus](#) /

› [linptech](#) /

› linptech ES1 Human Presence Sensor Instruction Manual

## linptech ES1ZZ

# linptech ES1 Human Presence Sensor

Model: ES1ZZ

## INTRODUCTION

The linptech ES1 Human Presence Sensor is an advanced smart device designed for precise human presence detection using millimeter wave (mmWave) radar technology. This sensor can detect both active motion and static presence, making it suitable for various smart home and security applications. It requires a Tuya Zigbee Hub for operation and integrates with the Tuya Smart Life application for control and automation.

## SAFETY INFORMATION

- Do not expose the device to extreme temperatures or humidity.
- Avoid placing the device near strong electromagnetic fields.
- Ensure the power supply is stable and meets the device's requirements.
- Keep the device out of reach of children.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.

## PACKAGE CONTENTS

- linptech ES1 Human Presence Sensor
- Power Cable
- Mounting Accessories (e.g., adhesive, screws, magnetic base)
- User Manual (this document)

## PRODUCT OVERVIEW

The linptech ES1 sensor is a compact, white device designed for discreet placement. It features a built-in light sensor and utilizes 24G mmWave radar for accurate detection.

**Tuya Zigbee Version**

## **Human Presence Sensor ES1**



The linptech ES1 Human Presence Sensor, a compact white device, is shown mounted on a wall, connected via a white cable. The image highlights its compatibility with Tuya and Zigbee smart home systems.

# 24G MILLIMETER WAVE RADAR DETECTION WITH SETTABLE DISTANCE



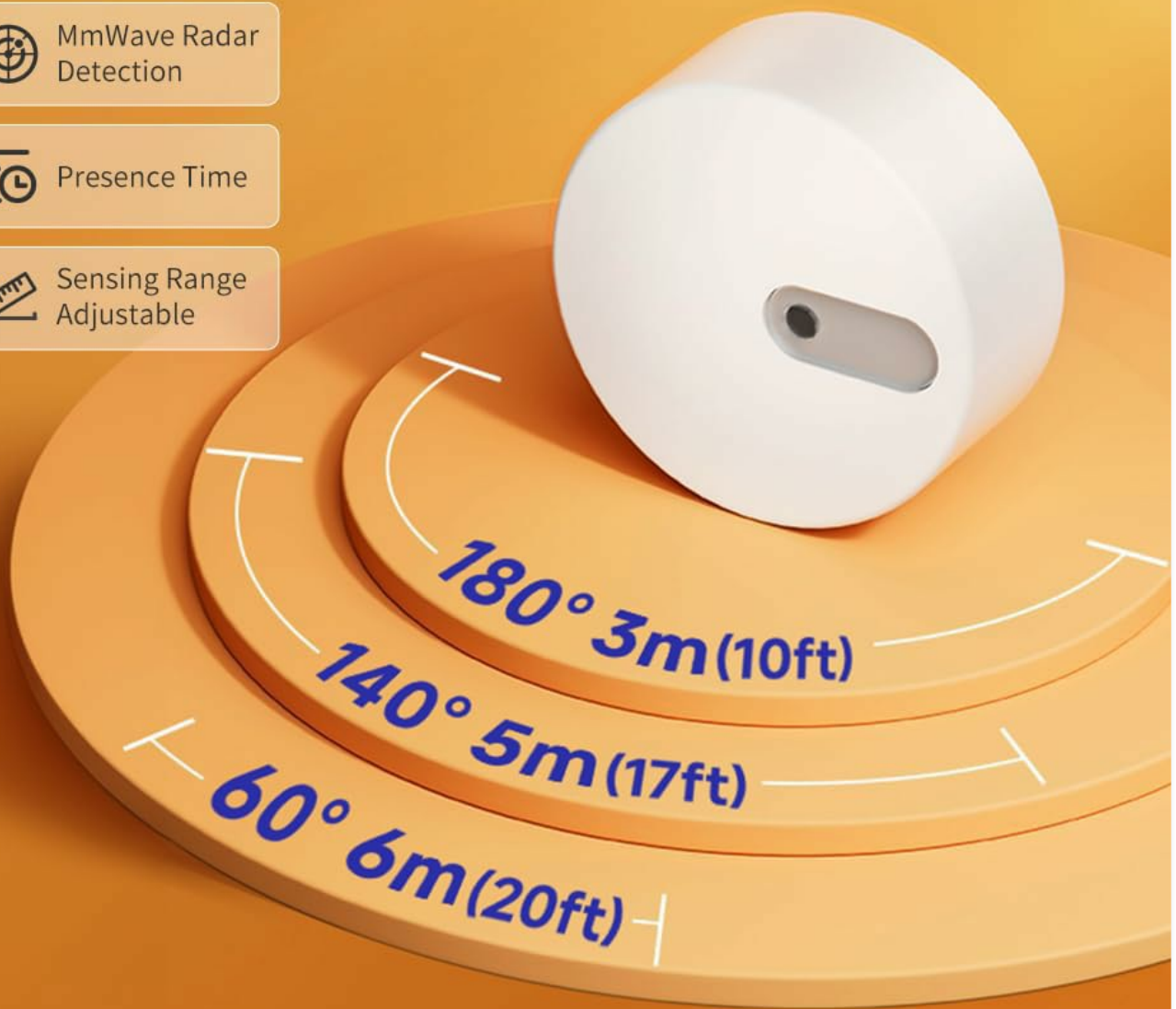
MmWave Radar  
Detection



Presence Time



Sensing Range  
Adjustable



A diagram visually represents the 24G millimeter wave radar detection capabilities of the sensor. It shows adjustable sensing ranges and angles, such as 60 degrees up to 6 meters (20 feet), 140 degrees up to 5 meters (17 feet), and 180 degrees up to 3 meters (10 feet).

## SETUP

### 1. Requirements

- A Tuya Zigbee Hub is required for the sensor to function. The sensor connects to the hub, which then communicates with the Tuya Smart Life app.
- A stable Wi-Fi network for your Tuya Zigbee Hub.
- The Tuya Smart Life application installed on your smartphone or tablet.

### 2. Physical Installation

The ES1 sensor offers flexible installation options to suit various environments:

# Flexible Installation



\*Please Note: The ES1 is Wired Presence Sensor that Should be Constantly Powered

This image showcases the flexible installation options for the sensor, including 45-degree foldable and 360-degree rotatable mounting. It illustrates wall mounting, ceiling mounting, adhesive mounting, and magnetic mounting, along with a built-in light sensor.

- **Wall Mounting:** Use the provided screws or adhesive to secure the sensor to a wall.
- **Ceiling Mounting:** Attach the sensor to the ceiling for overhead detection.
- **Adhesive Mounting:** For non-permanent or surface-friendly installation.
- **Magnetic Mounting:** Utilize the magnetic base for attachment to metallic surfaces.

Ensure the sensor is positioned to cover the desired detection area. The sensor can be folded 45 degrees and rotated 360 degrees for optimal positioning.

### 3. Connecting to Tuya Smart Life App

1. Power on the linptech ES1 sensor by connecting the provided cable.
2. Open the Tuya Smart Life application on your smartphone.
3. Ensure your Tuya Zigbee Hub is already set up and connected to the app.

4. In the app, navigate to your Zigbee Hub and select 'Add Sub Device' or similar option.
5. Follow the on-screen instructions to put the ES1 sensor into pairing mode (usually indicated by a flashing LED).
6. Once detected, add the sensor to your smart home system.

## OPERATING INSTRUCTIONS

---

### 1. Basic Operation and Detection

The ES1 sensor uses mmWave radar to detect human presence, distinguishing between active motion and static presence.

# CAPTURE ALL MOTION AND MOTIONLESS CHANGES



This image illustrates the sensor's ability to detect both active motion, such as people moving in a room, and static presence, like a person sitting still and reading. The sensor emits radar waves to achieve this.

You can monitor the detection status and presence time directly from the Tuya Smart Life app.

## 2. Smart Home Integration

Integrate the ES1 sensor with other smart devices through the Tuya Smart Life app to create automated scenes.

# WORKS AS MOTION ACTIVATED SWITCH TO FREE YOUR HANDS



Presence Sensor



Smart Bulbs



The sensor is depicted working in conjunction with smart bulbs. When human presence is detected, the lights automatically turn on, and turn off when no presence is detected, providing hands-free lighting control.

- **Automatic Lighting:** Set up rules to automatically turn on smart lights when presence is detected and turn them off when no presence is found.
- **Climate Control:** Adjust smart thermostats or fans based on room occupancy.

## 3. Security System Integration

The sensor can enhance your home security by providing real-time alerts.

# ENABLE SECURITY SYSTEM AND RECEIVE ALERTS AFTER LEAVING HOME



Presence Sensor

+



G6L Siren Alarm

+

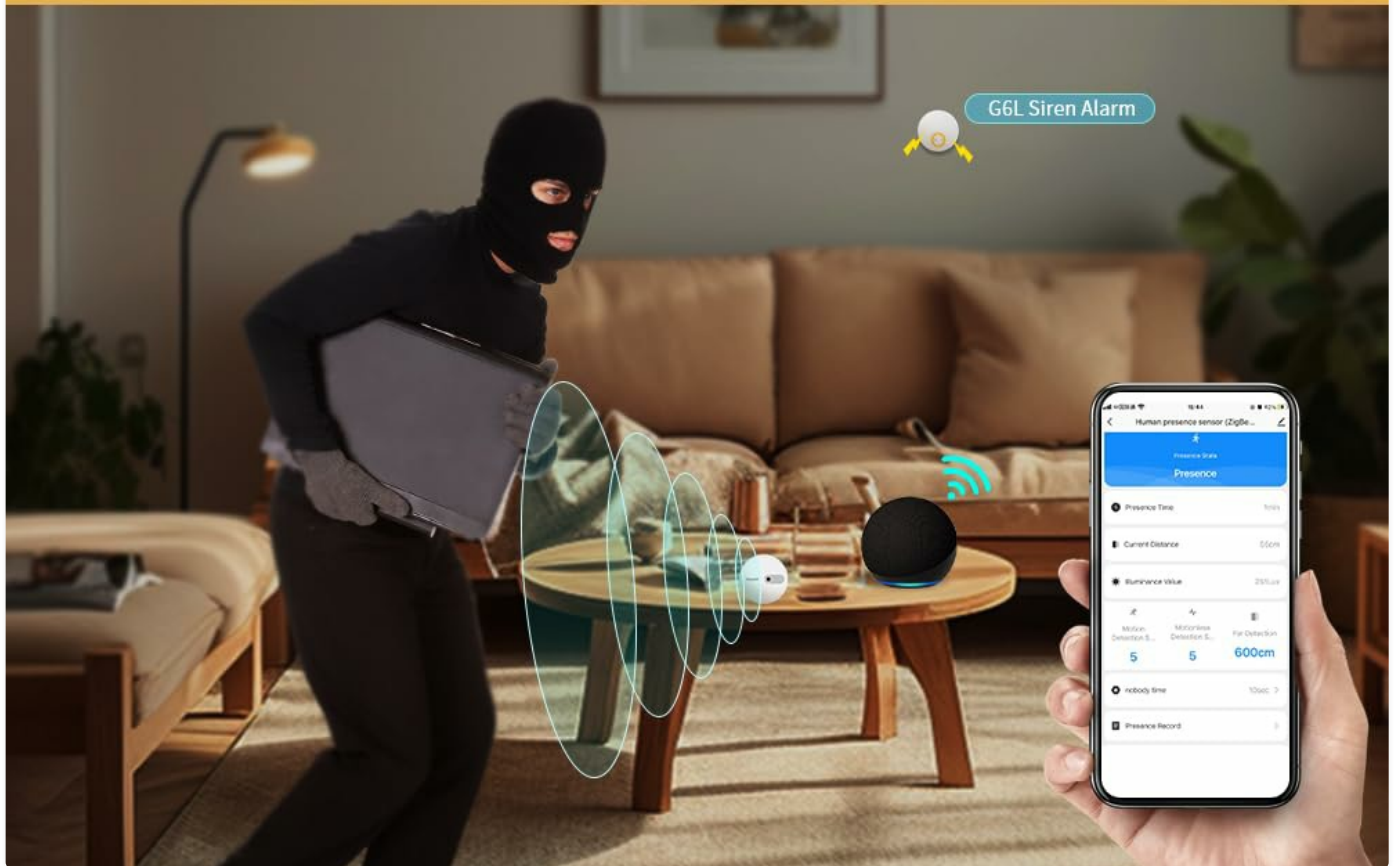


Alexa

+



Phone Notification



This image demonstrates the sensor's role in a security system. It shows the sensor detecting an unauthorized presence, triggering a G6L Siren Alarm, and sending phone notifications, enhancing home security.

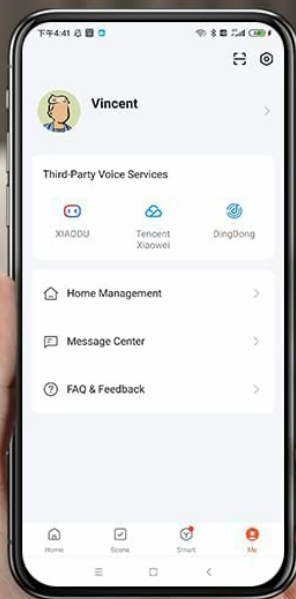
# Receive Alerts when Unexpected Activities is Detected



Real Time Alert and  
Notifications



Human Presence  
Detection



A smartphone screen displays the Tuya Smart Life application, showing real-time alerts and notifications received when unexpected activities or human presence is detected by the sensor.

- Receive instant notifications on your smartphone when movement is detected in a monitored area.
- Link with smart sirens or cameras for a comprehensive security setup.

## 4. Adjusting Settings

Within the Tuya Smart Life app, you can customize various settings for the ES1 sensor:

- **Sensing Range:** Adjust the detection distance to suit the room size and specific needs.
- **Sensitivity:** Modify the sensitivity level to prevent false triggers or ensure detection of subtle movements.
- **Presence Time:** Configure how long the sensor maintains a 'presence' state after initial detection.

## MAINTENANCE

---

- **Cleaning:** Gently wipe the sensor's surface with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Firmware Updates:** Periodically check the Tuya Smart Life app for available firmware updates to ensure optimal performance and security.
- **Power Supply:** Ensure the sensor receives continuous power. Any interruption may require re-pairing or re-configuration.

## TROUBLESHOOTING

---

### 1. Sensor Not Detecting Presence

- **Check Power:** Ensure the sensor is properly powered and its indicator light is on.
- **Hub Connection:** Verify that the Tuya Zigbee Hub is online and the sensor is connected to it in the app.
- **Placement:** Ensure the sensor's line of sight is not obstructed and it is positioned correctly to cover the desired area. Adjust its angle or rotation.
- **Sensitivity Settings:** Increase the sensitivity in the Tuya Smart Life app.
- **Range:** Confirm the detection range settings are appropriate for the room size.

### 2. False Detections or No Detection When Still

- **Interference:** mmWave radar can penetrate thin walls. If experiencing false detections from adjacent rooms, consider adding a small metal plate or aluminum foil behind the sensor to shield it from unwanted areas.
- **Environmental Factors:** Large fans or air conditioners might cause minor air movement that could be detected. Adjust placement or sensitivity.
- **Sensitivity:** Adjust the sensitivity settings in the app. Lowering sensitivity can reduce false positives, while increasing it can help detect very subtle movements or stillness.

### 3. Connectivity Issues

- **Zigbee Hub:** Ensure your Tuya Zigbee Hub is online and within range of the sensor.
- **Re-pairing:** If connectivity is lost, try re-pairing the sensor with your Tuya Zigbee Hub through the app.
- **Router Functionality:** Some users report the sensor can act as a Zigbee router, potentially extending network range for other devices. Ensure your Zigbee network is robust.

### 4. LED Light Flashing

- The sensor's LED may flash to indicate detection or status. If the flashing is disruptive, especially in dark rooms, consider repositioning the sensor or, if comfortable, applying a small piece of opaque tape over the LED indicator.

## SPECIFICATIONS

---

|                        |                       |
|------------------------|-----------------------|
| Brand                  | linptech              |
| Model Number           | ES1ZZ                 |
| Dimensions (L x W x H) | 9.91 x 8.38 x 3.05 cm |
| Weight                 | 90.72 grams           |

|                                 |                                               |
|---------------------------------|-----------------------------------------------|
| Connectivity Protocol           | ZigBee                                        |
| Control Method                  | Application (Tuya Smart Life)                 |
| Mounting Type                   | Wall Mount, Ceiling Mount, Adhesive, Magnetic |
| International Protection Rating | IP65                                          |
| Compatible Devices              | Tuya Zigbee Hub compatible devices            |
| Components Included             | Cable                                         |

## WARRANTY INFORMATION

---

Warranty information for the linptech ES1 Human Presence Sensor is not provided in the available product data. Please refer to your purchase documentation or contact the seller for details regarding warranty coverage.

## CUSTOMER SUPPORT

---

Specific customer support contact information for the linptech ES1 Human Presence Sensor is not provided in the available product data. For assistance, please refer to the Tuya Smart Life app's help section, visit the linptech official website, or contact the retailer from whom you purchased the product.

## APPLICATION SCENARIOS

---

The versatility of the linptech ES1 sensor allows for its use in various settings:

# MULTIPLE APPLICATION SCENARIOS



The image displays diverse application scenarios for the sensor, including corridors, garages, meeting rooms, and bathrooms, demonstrating its versatility in different environments for presence detection.

- **Corridors:** Automate lighting or security alerts.
- **Garages:** Detect entry/exit or presence for lighting and security.
- **Meeting Rooms:** Manage lighting and climate based on occupancy.
- **Bathrooms:** Provide hands-free lighting control.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**