

SENCKIT zigbee hub

SENCKIT Tuya Zigbee Gateway Hub Instruction Manual

Model: zigbee hub | Brand: SENCKIT

1. PRODUCT OVERVIEW

The SENCKIT Tuya Zigbee Gateway Hub serves as a central control unit for all Tuya Zigbee smart devices. It acts as a bridge, connecting various Zigbee products such as smart sockets, light switches, curtain motors, door locks, siren alarms, door sensors, and PIR motion sensors to your smart home network. This hub supports over 50 Tuya Zigbee smart devices, enabling comprehensive home automation and remote control via the Tuya Smart/Smart Life app.

Key Features:

- **App Remote Control:** Manage all connected Tuya Zigbee devices from anywhere using the Tuya Smart/Smart Life app.
- **Voice Control:** Compatible with Alexa and Google Assistant for convenient voice commands.
- **Enhanced Stability:** Utilizes Zigbee 3.0 protocol for a more stable and secure connection compared to Wi-Fi systems alone. Supports automatic network expansion and mesh networks.
- **Home Automation:** Enables intelligent linking and interaction between Zigbee and Wi-Fi devices for automated routines.
- **Easy Setup:** Simple connection to the Tuya/Smart Life app without requiring a network cable.
- **Device Sharing:** Allows multiple family members to control devices without re-pairing.



Figure 1: SENCKIT Tuya Zigbee Gateway Hub and its retail packaging.

2. SETUP INSTRUCTIONS

Follow these steps to set up your SENCKIT Tuya Zigbee Gateway Hub:

1. **Power On:** Connect the provided USB cable to the gateway hub and a 5V/1A USB power adapter (not included). Plug the adapter into a power outlet. The indicator light on the hub will illuminate.
2. **Download App:** Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store.
[Download Tuya Smart / Smart Life App](#)
3. **Register/Log In:** Open the app and register for a new account or log in with an existing one.
4. **Add Device:**
 - Ensure your smartphone is connected to a **2.4 GHz Wi-Fi network**. The hub is not compatible with 5 GHz Wi-Fi networks.
 - In the app, tap the "+" icon (usually in the top right corner) to add a new device.
 - Select "Gateway" or "Other" and then "Wireless Gateway (Zigbee)".
 - Follow the on-screen instructions to put the gateway into pairing mode (usually involves pressing a reset button or confirming the indicator light status).
 - The app will automatically detect and connect to the gateway.

5. **Connect Zigbee Devices:** Once the gateway is added, you can begin adding your Tuya Zigbee compatible devices through the gateway in the app. Refer to the individual device manuals for specific pairing instructions.



Figure 2: Cross-protocol linkage with Tuya Smart app, illustrating various compatible Zigbee devices.

3. OPERATING INSTRUCTIONS

3.1 App Remote Control

After successful setup, you can control all connected Zigbee devices remotely via the Tuya Smart or Smart Life app. This includes turning devices on/off, adjusting settings, and monitoring status from anywhere with an internet connection.

3.2 Voice Control Integration

The SENCKIT Zigbee Gateway Hub supports voice control through Amazon Alexa and Google Assistant. To enable this feature:

1. Ensure your Alexa or Google Home device is set up and connected to the same network.

2. In the Alexa or Google Home app, enable the "Tuya Smart" or "Smart Life" skill/action.
3. Link your Tuya/Smart Life account with your voice assistant account.
4. Discover devices through the voice assistant app.

Once linked, you can use voice commands such as:

- "Alexa, turn on the living room light."
- "Hey Google, open the front door."



Figure 3: Voice control support with smart speakers like Amazon Alexa and Google Home.

3.3 Home Automation and Scene Linkage

The gateway enables the creation of automated routines and scenes within the Tuya Smart/Smart Life app. You can set up conditions (triggers) based on Zigbee device status (e.g., door sensor opens) to initiate actions on other smart devices (e.g., turn on a light, activate a siren). The hub supports star, tree, and mesh network topologies for robust

connectivity.

Support star/tree/mesh networks

Stronger signal, larger coverage, more stable connection



Figure 4: The gateway supports star, tree, and mesh networks for broader coverage and stable connections.

3.4 Device Sharing

The Smart Hub Gateway allows you to share control of your smart devices with family members. This feature eliminates the need for re-pairing devices on multiple phones. Simply use the sharing function within the Tuya Smart/Smart Life app.

Share device with family



Figure 5: Share control of your smart devices with family members through the app.

4. MAINTENANCE

4.1 Firmware Updates (OTA)

The SENCKIT Zigbee Gateway Hub supports Over-The-Air (OTA) firmware updates. These updates provide performance improvements, new features, and security enhancements. The app will typically notify you when an update is available. Ensure the device remains powered during the update process.

OTA online update & High safety factor



Figure 6: The hub supports OTA online updates and features a high safety factor.

4.2 Cleaning

To clean the device, gently wipe it with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as these may damage the surface or internal components.

5. TROUBLESHOOTING

- **Device not connecting to Wi-Fi:** Ensure your Wi-Fi network is 2.4 GHz. The hub does not support 5 GHz networks. Verify your Wi-Fi password and network stability.
- **Zigbee devices not pairing:** Ensure the Zigbee device is compatible with the Tuya Zigbee 3.0 protocol. Place the device within range of the gateway during pairing. Follow the specific pairing instructions for each Zigbee device.
- **Voice control issues:** Confirm that the "Tuya Smart" or "Smart Life" skill/action is enabled and linked correctly in your Alexa or Google Home app. Ensure device names are clear and recognized by the voice assistant.
- **Intermittent connection:** The Zigbee network is designed for stability and range (up to 50m from the hub to the Wi-Fi router). If experiencing issues, consider the placement of the gateway and any potential interference.

sources. Adding more Zigbee devices can extend the mesh network.

- **App not responding:** Close and reopen the Tuya Smart/Smart Life app. Check your internet connection. If the issue persists, try restarting the gateway hub.

6. SPECIFICATIONS

Feature	Detail
Product Name	Zigbee Gateway Hub
Brand	SENCKIT
Model Number	zigbee hub
App Support	Tuya Smart / Smart Life app
USB Power Supply	5V/1A
Working Temperature	-10°C to 55°C (14°F to 131°F)
Working Humidity	10% - 90% RH (non-condensing)
Radio Frequency	2.4GHz
Communication Protocol	Zigbee 3.0
Network Protocol	Zigbee IEEE 802.15.4
Frequency Band	2.4 – 2.485 GHz
Maximum Output Power	19 dBm
Network Topology	Supports star, tree, and mesh networks
Firmware Upgrade	OTA support
Product Dimensions (L x W x H)	78 mm x 78 mm x 25 mm (approx. 3 x 3 x 1 inches)
Item Weight	0.1 Kilograms (approx. 3.34 ounces)
Material	Acrylonitrile Butadiene Styrene
Certification	RoHS
Included Components	1 Wireless Zigbee hub, 1 USB cable
Compatible Devices	Smartphone (for app control), Tuya Zigbee smart devices
Maximum Range	Up to 50 meters (from hub to Wi-Fi router)

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The SENCKIT Zigbee Gateway Hub comes with a **24-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as described under normal use. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please refer to the support section within the Tuya Smart or Smart Life app, or visit the official SENCKIT website for contact information.



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