

## **Product Overview:**

LS1 smart Wi-Fi LED Light Strip is a tunable white, multi-color LED Light Strip that can be controlled wirelessly via iOS or Android smartphones and tablets, no hub required. You can customize your personal lighting using the VOCOLincLinkWise App from anywhere with an active internet connection.

### LS1 LED Light Strip

Application name: Fonerics Electronics Co., Ltd

Application address: 4/F, Fuxing Building, No.6 Bingland Road, Futian Free Trade Zone, Shenzhen, China

### FCC Notice:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **RF Exposure**

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

## **LS1 adapter :**

**Manufacturer: Shenzhen Simsukian Electronics Technolgoy Co.,Ltd**

**Adapter model no.: SK03T1-1200200Z**

**Input:AC 100-240V; 50/60Hz; 0.6A Max; Class II**

**Output: 12V  2A**

**Product Hardware version: V0.1**

**Product Software Version: V1.0**

## **What's Included:**

- LS1 LEDLight Strip, IP67, 2 meters / 6.56 feet
- Smart Wi-Fi Controler
- AC/DC Adapter (detachable plug)
- Quick Start Guide

## **Product Requirements:**

- Smartphone or tablet running iOS 10 or higher; Android 4.3.x or higher
- A Wi-Fi connection

## **Features:**

- 16 million colors
- 550 lumen per meter
- IP67 waterproof rating
- Works with Apple HomeKit
- Works with Amazon Alexa
- Remote Access

## **Specifications**

Input: AC100~240V, 50/60Hz

Output: 12V 2A

Plug type: detachable US/EU/UK

LED color range: 16 million colors with cool to warm whites

Wattage: 18W max

Luminous Flux: 550 lumens per meter

### Safety Warnings

- WARNING: RISK OF ELECTRIC SHOCK OR BURNS. DO NOT install this product with wet hands or when standing on wet or damp surfaces
- Not suitable for use with standard in-wall dimmers. Dimmable via the app only
- Suitable for use in operating environment between 0° C and 40° C (32° F and 104° F)
- This device is not intended for use with emergency exit luminaires
- NOT FOR EMERGENCY LIGHTING
- DO NOT disassemble
- DO NOT clean with liquid

### LS1Smart LED Light Strip Status

Status		LS1
Turning on the first time	Searching Wi-Fi	White light at 5% brightness
Pairing		White light at 5% brightness
Device added successfully		White light at 50% brightness
Identifying the light strip		White light at 5% brightness quickly flashes 5 times
Firmware update completed		Flashes twice

\*If you set the brightness to 0% before turning off the light switch, the smart lightstrip will resume to 5% brightness as soon as you turn on the lightswitch again to indicate that it is in good shape.

## Quick Start Guide

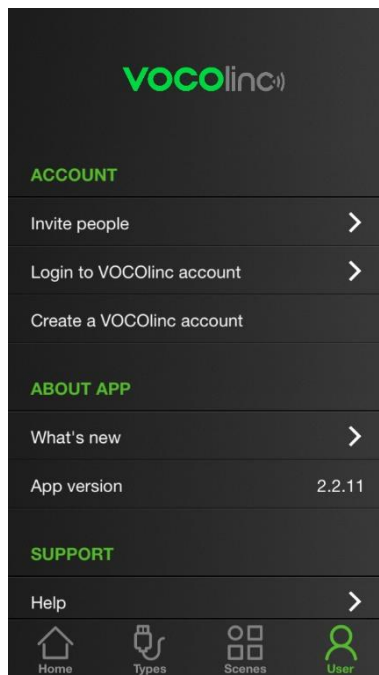
1. Download and open the free VOCOLincLinkWise app from the App Store (Apple App Store or Google Play).
2. Plug in LS1. LS1 will light up in white (5% brightness) to indicate it is ready for network setup.
3. Make sure your iPhone or iPad (iOS 10.1 or later) is connected to a 2.4GHz Wi-Fi network. Use the router utility software to turn off 5GHz Wi-Fi networks.
4. Log in or sign up for a VOCOLincaccount(required for Alexa configuration).
5. Tap “+” icon located on the top left corner and follow the on-screen directions to complete network setup.

Note: To add more devices (or repeat LS1 setup process), tap “+” and you will see the accessory list. Each accessory has an identification code, e.g., VOCOLinc-XXX-XXXXXX. Make sure the last 6 characters of the identification code is consistent with the last 6 characters of MAC on the back of your LS1.

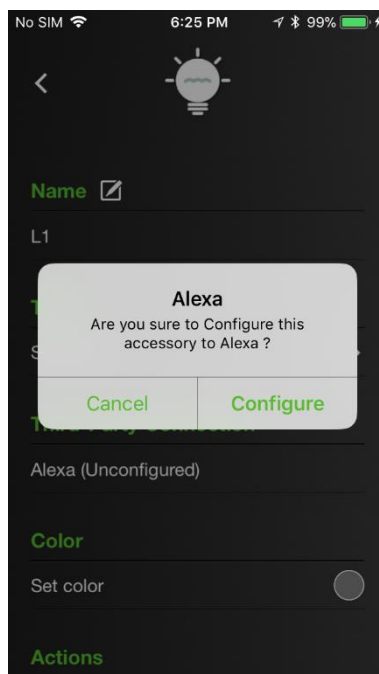
6. When prompted, scan the setup code or manually enter the setup code, and then follow the step to add the device to the Home and Room.  
After scanning the setup code, if the app prompts “Couldn’t add VOCOLinc-XXX-XXXXXX”, please refer to the first FAQ. Please keep the setup code for future use.
7. You can assign a name to your device and use this name when speaking to Siri. For example, you can name your LS1 “fun light”, then wake up Siri and speak “Turn on the fun light”.
8. Set up customized scenes to control multiple devices with a single command. For example, if you assign the “I’m going to sleep” command to the scene of turning off all the VOCOLinc lights in the bedroom. When you say “I’m going to sleep” to Siri, The lights will be turned off.
9. The use of a HomeKit-enabled accessory need the follow permissions:  
Settings > iCloud > iCloud Drive > Turn On  
Settings > iCloud > Keychain > Turn On  
Settings > Privacy >HomeKit>LinkWise> Turn On

## Enabling Alexa

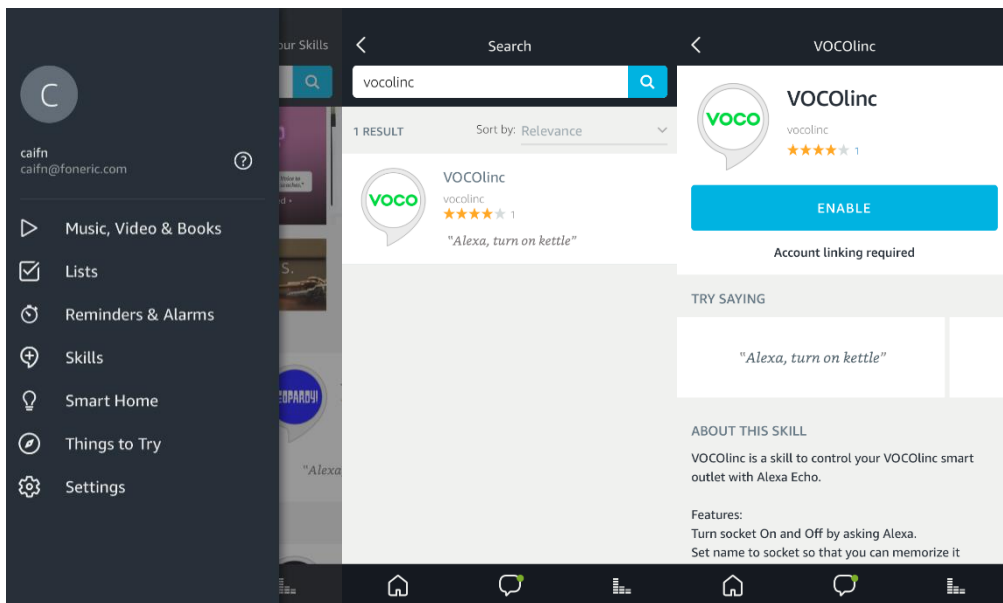
1. Create an account in LinkWise App (username and password are case sensitive) and login to your account.



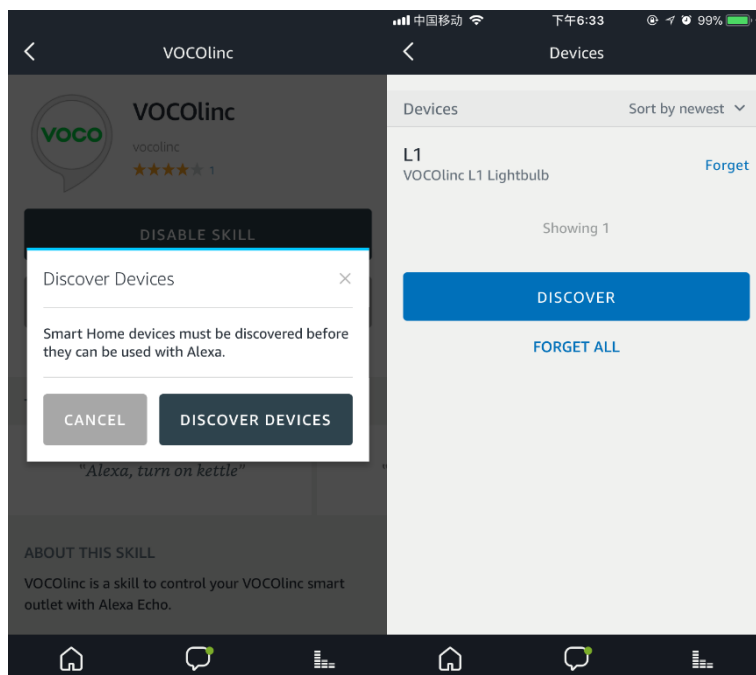
2. Go to LinkWise App > long press the device icon to enter the menu. Look for "Third Party Connection". Tap "Alexa" to complete configuration (**iOS app only**).



3. Open Alexa App and enable VOCOLinc Alexa skills using the same account info.



4. Discover LS1 in the Alexa App, and then follow the steps to complete setup.



\*If you change the name of the device in LinkWise App, you may sync the new name in Alexa App by re-discovering devices.

### Alexa Skills

1. "Alexa, turn on (name)"
2. "Alexa, turn off (name)"
3. "Alexa, set (name) to x percent"
4. "Alexa, brighten (name)"
5. "Alexa, brighten (name) by x percent"
6. "Alexa, dim (name)"
7. "Alexa, dim (name) by x percent"
8. "Alexa, set (name) to (color)"
9. "Alexa, change (name) to (color)"

### Factory Resetting

Resetting the smart light strip can help you troubleshoot any issues you may have. To reset it to factory defaults:

1. Press & hold the reset button on the Smart Wi-Fi Controller for about 10 sec. The smart light strip will flash three times once reset is completed.

### Firmware Update

To gain better experience with LS1, we strongly recommend that you update the firmware whenever updates with all the latest improvement and fixes are available:

1. Launch LinkWise.
2. Long press LS1 icon to enter the menu.
3. Look for "Firmware update" and tap it, and then tap "Update".

\*Only the smart light strips that are currently reachable and have an available update will prompt firmware update notice.

\*It is important to leave the LinkWise app running while it finishes updating the smart light strips. Try not to minimize the app, close the app, or interrupt the update to prevent problems.

### **Legal Information**

Use of the Works with Apple HomeKit logo means that an electronic accessory has been designed to connect specifically to iPod touch, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Controlling this HomeKit-enabled accessory automatically and away from home requires an Apple TV with tvOS 10.1 or later or an iPad with iOS 10.1 or later set up as a home hub.

### **Operation is Subject to the Following Two Conditions:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the follow two conditions:(1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS(s). Son fonctionnement est soumis aux deux conditions suivantes: (1) Cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

### **FAQ**

#### **Q1. Why did I fail to add my LS1 to the Linkwise App?**

1. Make sure your accessory is powered on and nearby.
2. If you use a dual 2.4G/5G network router, please turn off the 5G network. Connect your phone with 2.4G network and add the device again.
3. Make sure that the router setting meets the relevant requirements. The device only supports the mode of WPA/WPA2-PSK.
4. Make sure that LS1 is in pairing mode. If not, please reset LS1 to factory defaults.
5. Select the accessory shown on screen, then scan the setup code (XXX-XX-XXX) which can be found on the device, instruction manual or inner packaging.
6. If the app prompts "Couldn't add LS1-XXXXXX" after you scan the setup code:
  - (1) Close the app
  - (2) Reboot the phone
  - (3) Restore LS1 to factory settings



(4) Add the device again

## **Q2. How can I recover connection of the device?**

1. Modification of the router configuration/settings will cause non-resumable disconnection of the device. Delete and add the devices again after factory reset following steps in Q1.
2. Unstable network signal could cause disconnection of the device. Wait for about 2 minutes for automatic re-connection. If the connection does not resume after awhile, power off LS1 and then put it back on. It shall re-connect automatically.
3. If the above is not effective, delete and add the devices again after factory reset following steps in Q1.

If you have more questions, please feel free to contact us:  
[support@vocolinc.com](mailto:support@vocolinc.com)

## **Q3. The device works normally after restoring factory settings or switching on/off, but it occasionally gets disconnected from the network and can not be recognized.**

1. Make sure the number of Wi-Fi connected devices is within the wireless network capacity of your router. Otherwise, please replace with another router.
2. Reconnect your iOS devices to Wi-Fi and make sure your Wi-Fi signal is strong enough.
3. Wait until the network is fixed if your router performs poorly in wireless networks that might result from network congestion.
4. Check the router setting and see if there is any limit to the number of simultaneous client connections.
5. Restart your HomeKit accessory or restore your HomeKit accessory to factory settings, and add your HomeKit accessory to the VololincLinkWise app.
6. Update LinkWise App and product firmwares to the latest version.

## **Q4. Can I control multiple Smart Wi-Fi LED Light strips at the same time?**

Yes. You can manage and save multiple light stripstogether as a “scene”.

## **Q5. Can I dim the Smart Wi-Fi LED Light strips?**

The Smart Wi-Fi LED Light strips are not designed for usewith traditional wall-dimmer. It can only be dimmedvia the LinkWise app.

**Q6. I have set my brightness to 0% before I turn off light switch. Why does it resume to 5% brightness as soon as I turn on the lightswitch again?**

This is a preset setting to indicate that the smart lightlight strip is in good shape.

**System Requirement:**

- Mobile device running iOS10+ or Android 4.3+
- Existing Wi-Fi network

\*Place the Smart Wi-Fi LED Light strip within the range of your Wi-Fi router or access point (approximately 100feet).

\*Avoid physical obstructions and radio interferencein the surrounding area.