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› [Sengled Dual Mode Smart A19 LED Light Bulbs User Manual \(Model B21-N1E\)](#)

Sengled B21-N1E

Sengled Dual Mode Smart A19 LED Light Bulbs User Manual

Model: B21-N1E

Brand: Sengled

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Sengled Dual Mode Smart A19 LED Light Bulbs. These bulbs offer versatile lighting options with both app and optional remote control capabilities, featuring color changing, tunable white light, and dimming functions. Please read this manual thoroughly before use to ensure proper functionality and safety.



Image 1.1: Sengled Dual Mode Smart A19 LED Light Bulbs and App Interface

2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the product or injury to yourself:

- Ensure power is turned off at the switch before installing or removing bulbs.
- Do not use with standard dimmers. These bulbs are dimmable only via the Sengled Home App or a compatible Sengled remote control.
- Suitable for indoor use only.
- Do not disassemble or modify the bulb.
- Avoid exposure to water or excessive moisture.
- Operating temperature range: -20°C to 40°C (-4°F to 104°F).

3. SETUP

3.1. Hardware Installation

1. Turn off the power to the light fixture at the wall switch.
2. Carefully screw the Sengled Smart LED bulb into a standard E26 light socket.
3. Turn on the power to the light fixture. The bulb should illuminate.

3.2. App Download and Pairing

The Sengled Home App is required for full control and smart features.

1. Download the Sengled Home App from the Apple App Store or Google Play Store.
2. Open the app and create an account or log in.
3. Tap the '+' icon to add a new device.
4. Select 'Smart LED' or 'Bluetooth Devices' from the device list.
5. Follow the on-screen instructions to search for and connect your bulbs. Pairing typically completes within 3 seconds.

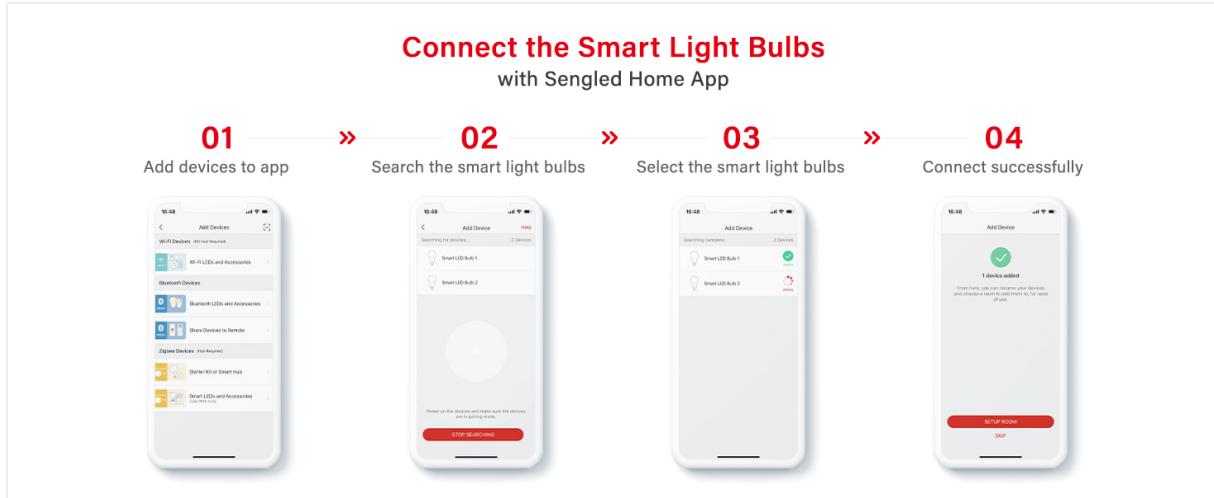


Image 3.1: Sengled Home App Connection Steps

3.3. Remote Control (Optional)

While this product package does not include a remote, these bulbs are compatible with a separately sold Sengled remote control. If you have a compatible remote, follow its instructions for pairing with the bulbs. The remote allows direct control without Wi-Fi.

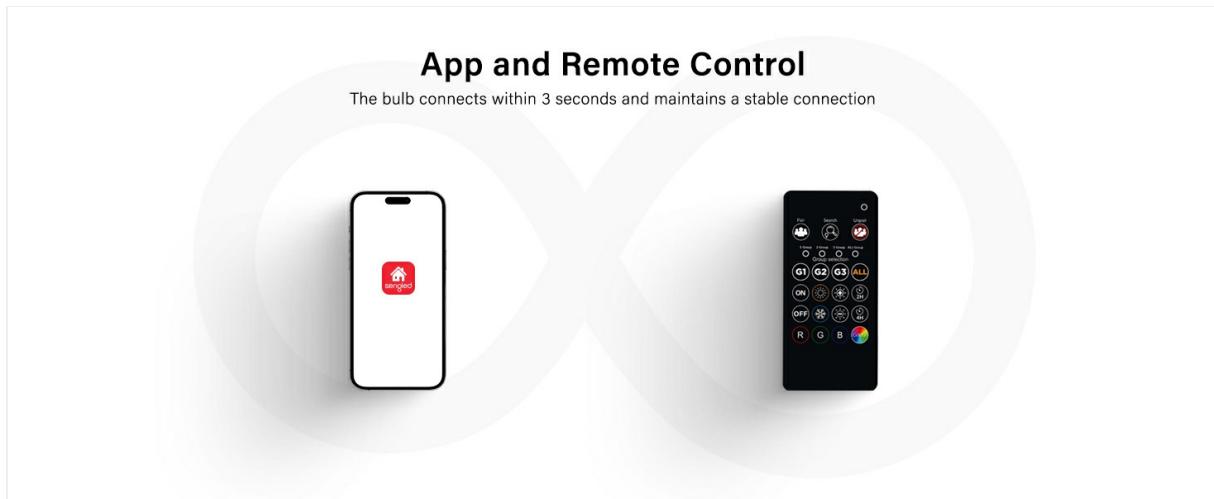


Image 3.2: App and Optional Remote Control

4. OPERATING INSTRUCTIONS

4.1. App Control Features

Once connected to the Sengled Home App, you can access various lighting controls:

- **Color Changing:** Select from 16 million colors to set the mood.



16 Million Colors



Image 4.1: 16 Million Colors

- **Tunable White:** Adjust color temperature from warm white (2700K) to cool daylight (6500K).



2700K-6500K Color Temperature Tunable

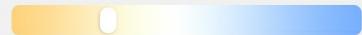


Image 4.2: 2700K-6500K Color Temperature Tunable

- **Brightness Adjustment:** Dim the lights from 1% to 100% to suit any activity.



1%-100% Brightness Dimmable



Image 4.3: 1%-100% Brightness Dimmable

- **Scheduling:** Set timers for automatic on/off cycles.
- **Sunrise/Sunset Mode:** Simulate natural light patterns to gently wake up or fall asleep.

Sunrise and Sunset

Light up gradually like a sunrise, depending on the time zone and season



Image 4.4: Sunrise and Sunset Simulation

- **Group Control:** Organize bulbs into groups (e.g., by room) for simultaneous control. The system supports up to 3 groups, each with up to 64 bulbs, and a total of up to 150 bulbs.

Group Control for Multiple Smart Bulbs

Separate control of every rooms

up to **150** bulbs and up to **3** groups, each group of up to **64** LED bulbs



Image 4.5: Group Control for Multiple Smart Bulbs

4.2. Important Note on Voice Assistants

This specific model of Sengled Dual Mode Smart Light Bulbs (B21-N1E) **does not** support integration with Alexa or Google Echo systems for voice control.

5. MAINTENANCE

Sengled Smart LED bulbs require minimal maintenance. To clean, ensure the power is off and the bulb is cool. Wipe gently with a dry, soft cloth. Do not use liquid cleaners or abrasive materials.

6. TROUBLESHOOTING

• Bulb not responding to app:

- Ensure the bulb is powered on.
- Check your device's Bluetooth connection.
- Restart the Sengled Home App.
- Try re-pairing the bulb through the app's device addition process.

• Bulb not turning on:

- Verify the light fixture has power and the wall switch is on.
- Ensure the bulb is screwed in correctly.

- Test the bulb in another working fixture if possible.

- **Connectivity issues:**

- The Sengled Dual Mode system utilizes a local Mesh network for stable connections, reducing reliance on Wi-Fi. Ensure bulbs are within range of each other to maintain the mesh.



Image 6.1: Sengled Local Mesh System for Enhanced Stability

7. SPECIFICATIONS

Feature	Specification
Model Number	B21-N1E
Bulb Type	LED
Bulb Shape Size	A19
Bulb Base	E26
Wattage	8.7 Watts
Incandescent Equivalent	60 Watts
Brightness	800 Lumens
Color Temperature	2700K - 6500K (Tunable White)
Color Options	RGBW (16 Million Colors)
Dimmable	1% - 100% via App/Remote
Voltage	100-120 Volts, 60 Hz
Control Method	Sengled Home App, Optional Sengled Remote
Indoor/Outdoor Usage	Indoor
Material	Synthetic Polymer (PMMA)
Item Weight	7.4 ounces

8. WARRANTY AND SUPPORT

8.1. Manufacturer's Warranty

Sengled provides a **2-year manufacturer's warranty** for this product. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please visit the official Sengled website or contact their customer support. Refer to the product packaging or the Sengled Home App for the most current contact information.

Related Documents - B21-N1E

<p>User Manual of Product 1: Sengled Smart LED Bulbs, Compatible with Alexa and Google Assistant, HomeKit. Sengled Smart Hub, 1 Pack, White</p> <p>User Manual of Product 2: Sengled Smart Light Bulbs, Zigbee Hub Required, Works with Alexa and Google Assistant, HomeKit, and Sengled Home App, 4 Pack, Dimmable Smart Bulbs, 4 Pack</p>	<p>Sengled Smart LED Bulbs User Guide and Installation Instructions</p> <p>Comprehensive user guide for Sengled Smart LED bulbs and Smart Hub, covering installation, operation, safety, troubleshooting, and firmware updates. Compatible with Alexa, Google Assistant, and Apple HomeKit.</p>
<p>Sengled</p> <p>Sengled Smart LED</p> <ul style="list-style-type: none">Sold White A19 LED BulbDaylight A19 BulbExtra Bright Soft White A19 BulbExtra Bright Daylight A19 BulbSold White BR30 BulbMulti-color A19 BulbMulti-color BR30 BulbMulti-color BT110 Globe BulbOrange Edition BT110 Bulb 	<p>Sengled Smart LED Bulbs User Guide</p> <p>A comprehensive user guide for Sengled Smart LED bulbs, covering installation, operation, safety information, and troubleshooting. Learn how to control your home lighting with the Sengled Home app, Amazon Alexa, Google Assistant, and Apple HomeKit.</p>
<p>User Manual of Product 1: Sengled Smart LED Bulbs, Compatible with Alexa and Google Assistant, HomeKit. Sengled Smart Hub, 1 Pack, White</p> <p>User Manual of Product 2: Sengled Smart Plug Compatible with Google Home and Amazon Alexa, Zigbee Hub Required, Smart Outlet Remote Control Your Home Appliances from Anywhere, Wi-Fi Plug, ETL Certified, 1 Pack</p>	<p>Sengled Smart LED Bulbs & Smart Plugs User Guide: Setup, Operation, and Support</p> <p>Comprehensive user guide for Sengled Smart LED bulbs (A19 Starter Kits) and Smart Plugs (E1C-NB6). Learn about installation with Apple HomeKit, Alexa, Google Assistant, operation, safety, and troubleshooting.</p>

 <p>Sengled USER GUIDE</p> <p>Smart Wi-Fi LED Bulb 2700K and 5000K Model: W11-N11</p>	<p><u>Sengled Smart Wi-Fi LED Bulb User Guide W11-N11</u></p> <p>Comprehensive user guide for the Sengled Smart Wi-Fi LED Bulb (Model W11-N11), covering installation, operation, safety precautions, product specifications, frequently asked questions, and warranty information. Learn how to set up and control your smart lighting via the Sengled Home app and compatible voice assistants.</p>
<p>User Manual of Product 1: Sengled Alexa Smart Bulb (WW Equivalent). Instant Pairing and Smart Light Bulb that works with Alexa, Bluetooth Smart Home Lighting, and Sengled Home App. (WW Equivalent) E26, Daylight (2000K) Color (Pack of 1)</p> <p>User Manual of Product 2: Sengled Smart Bluetooth Mesh LED Bulb. 2700K-5000K with Alexa Devices. Smart Flood Light Bulb that Works with Alexa, Multicolor Dimmable E26 LED Light Bulbs. WW Equivalent. No Hub Required. 2 Pack</p>	<p><u>Sengled Smart Bluetooth Mesh LED Bulb: User Manual, Setup, and Operation Guide</u></p> <p>User manual and setup guide for Sengled Smart Bluetooth Mesh LED Bulbs. Learn about installation, operation, safety, troubleshooting, warranty, and compatibility with Amazon Alexa devices.</p>
<p>User Manual of Product 1: Sengled LED Products. Compatible with Alexa and Google Assistant. HomeKit. Siri. Smart Hub. 1 Pack. White</p> <p>User Manual of Product 2: Sengled Smart LED Bulbs. Smart Hub Required. Work with SmartThings and Echo with Built-in Hub. Voice Control. White and Google Home. Soft White E27 Candidates. Light Bulb. 40W Equivalent. 2 Pack</p>	<p><u>Sengled Smart LED User Guide: Setup, Operation, and HomeKit Integration</u></p> <p>Comprehensive user guide for Sengled Smart LED bulbs and hubs, covering installation with Sengled Home app and Apple HomeKit, operation modes, troubleshooting, and warranty information.</p>

Documents - Sengled – B21-N1E

[pdf] User Manual Instructions Specifications

A19 RGB 6 A60 SMD PK6 RC 840696186714 180x110x118mm 022072 User Manual Sengled Co
Ltd B21N1E SIMPLY SMART LED 2AGN8 2AGN8B21N1E b21n1e

DO MORE WITH SENGLED SIMPLY SMART LED THE POWER OF LED LED bulbs last longer, provide energy savings ... ditional features Download the Sengled Home Mobile App for enhanced convenience and control. SKU: **B21-N1EW6PK** MODEL: **B21-N1E** PN: 1932000130 8 40696 18671 4 Made in China Specifications: Lumens ... lang:en score:32 filesize: 2.05 M page_count: 1 document date: 2024-12-02



[pdf] Declaration of Conformity

Microsoft Word Declaration FCC backls97 DoS Letter Sengled Co Ltd B21N1E SIMPLY SMART LED
2AGN8 2AGN8B21N1E b21n1e

Company: Sengled Co.,Ltd. Add: Room 103/02-B, Floor 1, Building 1, No. 498, Guoshoujing Road, Pilot ... ,Ltd. hereby declare that product name: Sengled SIMPLY SMART LED FCC ID: 2AGN8-B21N1E, model name: **B21-N1E**, B21-N11, B21-N12, B21-N13 are electrically identical with the PCB design, components and e...

Company name: Sengled Co., Ltd.
Address: Room 103/02-B, Floor 1, Building 1, No. 498, Guoshoujing Road, Plot Free
Trade Zone, Shanghai, China
Tel: +86-21-60707079
Fax: +86-21-60707096
Email: certification-sh@sengled.com
Date: 04/26/2024

Attestation Letter

FEDERAL COMMUNICATIONS COMMISSION
Authorization and Declaration of Conformity
7450 Oaklawn Hills Road, Germantown,
MD 20894

To whom it may concern:

We, Sengled Co., Ltd., declare that the device only apply BLE (0 Mbps, 2402-2480MHz). Other functions were deleted by software, the end user can't have the capacity to active it.

Product type or description: Sengled SIMPLY SMART LED
Model number: B21-N1E, B21-N11, B21-N12, B21-N13
FCC ID: 2AGN8-B21N1E

Please contact me if there is need for any additional certification or information.

Best Regards,
Sincerely Yours,


Chris Chao
Typed or Printed Name: Chris Chao
Title: Manager

[\[pdf\]](#)

Microsoft Word Attestation letter FCC 2 Letter Sengled Co Ltd B21N1E SIMPLY SMART LED 2AGN8 2AGN8B21N1E b21n1e

Company name: Sengled Co., Ltd. Address: Room 103/02-B, Floor 1, Building 1, No. 498, Guoshoujing Ro ... have the capacity to active it. Product type or description: Sengled SIMPLY SMART LED Model number: **B21-N1E**, B21-N11, B21-N12, B21-N13 FCC ID: 2AGN8-B21N1E Please contact me if there is need for any a...
lang:en **score:27** filesize: 257.96 K page_count: 1 document date: 2024-11-29

NVLAP
NVLAP Code: 200502
FCC PART 15.247
TEST REPORT
For
Sengled Co.,Ltd.
Room 103/02-B, Floor 1, Building 1, No. 498, Guoshoujing Road, Plot Free Trade Zone, Shanghai, China

FCC ID: 2AGN8-B21N1E

Report Type: Original Report	Product Name: Sengled SIMPLY SMART LED
Report Number: RSHA240826001-004	
Report Date: 2024-11-11	
Reviewed By: Ocean Ya	
Approved By: Ocean Ya	
Prepared By: Bay Area Compliance Laboratories Corp. (Kunshan) No. 10000, Guoshoujing Road, Kunshan, Jiangsu Province, China Tel: +86-512-58179000 Fax: +86-512-58179001 Email: RSHA240826001@bactest.com	

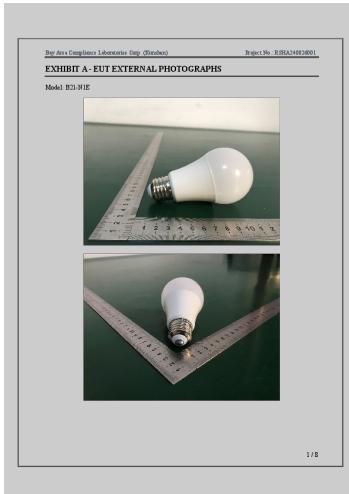
Note: This test report is prepared for the customer name above and for the device identification number. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP or any agency of the U.S. Government.

[\[pdf\]](#) Test Report

MEASUREMENT TECHNICAL REPORT FCC CLASS B Thomas Lui Test Report Sengled Co Ltd B21N1E SIMPLY SMART LED 2AGN8 2AGN8B21N1E b21n1e

FCC PART 15.247 TEST REPORT For Sengled Co.,Ltd. Room 103/02-B, Floor 1, Building 1, No. 498, Guosho ... ion: Modulation Type Antenna Type: Maximum Antenna Gain: Sengled Co.,Ltd. Sengled SIMPLY SMART LED **B21-N1E** B21-N11, B21-N12, B21-N13 Lamp beads AC 120V BLE 1Mbps 2402-2480MHz 8.61 dBm 40 2 MHz GFSK P...

lang:en **score:26** filesize: 3.59 M page_count: 64 document date: 2024-12-03

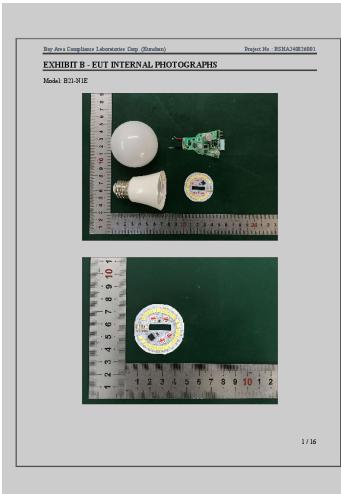


[\[pdf\]](#) Product Photos

Microsoft Word EXHIBIT A EUT EXTERNAL PHOTOGRAPHS baciks97 External Photos Sengled Co Ltd B21N1E SIMPLY SMART LED 2AGN8 2AGN8B21N1E b21n1e

Bay Area Compliance Laboratories Corp. Kunshan EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS Model: **B21-N1E** Project No.: RSHA240826001 1 / 8 Bay Area Compliance Laboratories Corp. Kunshan Project No.: RSHA240826001 2 / 8 Bay Area Compliance Laboratories Corp. Kunshan Model: B21-N11 Project No....

lang:es **score:17** filesize: 2.25 M page_count: 8 document date: 2024-12-02

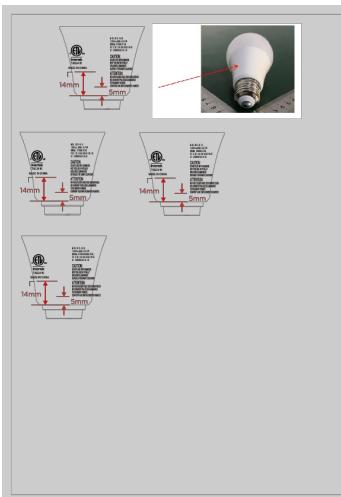


[pdf] Product Photos Teardown

Microsoft Word EXHIBIT B EUT INTERNAL PHOTOGRAPHS back97 Internal Photos Part 1 Sengled Co Ltd B21N1E SIMPLY SMART LED 2AGN8 2AGN8B21N1E b21n1e

Bay Area Compliance Laboratories Corp. Kunshan EXHIBIT B - EUT INTERNAL PHOTOGRAPHS Model: **B21-N1E** Project No.: RSHA240826001 1 / 16 Bay Area Compliance Laboratories Corp. Kunshan Project No.: RSHA240826001 BLE Antenna 2 / 16 Bay Area Compliance Laboratories Corp. Kunshan Project No.:...

lang:es score:17 filesize: 5.44 M page_count: 13 document date: 2024-12-02

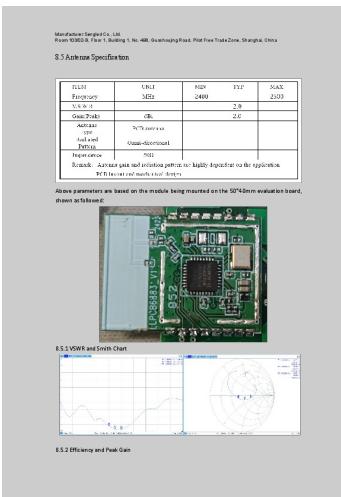


[pdf] Label

1 B21 N11 A19 60W 800 8 7 2700K 2024 10 11 Label Location Sengled Co Ltd B21N1E SIMPLY SMART LED 2AGN8 2AGN8B21N1E b21n1e

3182416 M/N: **B21-N1E** 120Vac 60Hz 8.7W 800lm 2700K E26 FCC ID :2AGN8-B21N1E IC :20888-B21N1E 3182416 M/N: B21-N11 120Vac 60Hz 8.7W 800lm 2700K E26 FCC ID :2AGN8-B21N1E IC :20888-B21N1E 3182416 M/N: B21-N12 120Vac 60Hz 8.7W 800lm 5000K E26 FCC ID :2AGN8-B21N1E IC :20888-B21N1E 3182416 M/N: B21-...

lang:es score:17 filesize: 1.33 M page_count: 1 document date: 2024-11-29



[pdf] Specifications

Microsoft Word B21 N1E 8.5 Antenna Specification Sengled Co Ltd B21N1E SIMPLY SMART LED 2AGN8 2AGN8B21N1E b21n1e

Manufacturer:Sengled Co., Ltd. Room 103/02-B, Floor 1, Building 1, No. 498, Guoshoujing Road, Pilot Free Trade Zone, Shanghai, China 8.5 Antenna

Specification Above parameters are based on the module being mounted on the 50*40mm evaluation board, shown as followed: 8.5.1 VSWR and Smith Chart 8.5.2 E...

lang:es score:16 filesize: 952.17 K page_count: 2 document date: 2024-11-29