**ASAHOM B1020**

# ASAHOM Smart RGB Outdoor String Lights User Manual

Model: B1020

## 1. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the ASAHOM Smart RGB Outdoor String Lights. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Ensure the power adapter is connected to a suitable power outlet (AC 100-240V). Do not overload electrical circuits.
- **Outdoor Use:** These lights are IP65 waterproof and designed for outdoor use. However, ensure all connections are secure and protected from direct water exposure where possible.
- **Installation:** Install lights securely to prevent them from falling. Do not hang lights on power lines or other electrical wires.
- **Bulb Handling:** The bulbs are made of shatterproof PC material. Avoid excessive force or twisting during installation.
- **Children and Pets:** Keep packaging materials and small components away from children and pets.
- **Damage:** Do not use if the string lights or power adapter are damaged. Contact support for assistance.

## 2. PACKAGE CONTENTS

Verify that all components are present in the package:

- ASAHOM Smart RGB Outdoor String Lights (96ft, 30 bulbs)
- Low-voltage Power Adapter (AC 100-240V input / DC 12V output)
- Mounting Clips and Screws (quantity may vary)
- User Manual (this document)

Mounting clips and screws for installation.

## 3. PRODUCT OVERVIEW

The ASAHOM Smart RGB Outdoor String Lights (Model B1020) offer versatile lighting solutions for indoor and outdoor environments. Key features include:

- **Individual Bulb Control:** Customize the color of each bulb independently.
- **Extensive Color Options:** Access 16 million colors, including tunable warm and cold white lights.
- **Smart Control:** Manage lights via the Tuya Smart APP (2.4GHz WiFi required) or voice commands with Alexa.
- **Durability:** IP65 waterproof and shatterproof PC material bulbs ensure year-round protection.
- **Dynamic Scene Modes:** Choose from 30 preset scene modes or create custom lighting effects.
- **Music Sync:** Lights can synchronize with music rhythms for an immersive experience.
- **Dimmable:** Adjust brightness from 1% to 100%.

The ASAHOM Smart RGB Outdoor String Lights, showing app control and voice assistant integration.

## 4. SETUP INSTRUCTIONS

### 4.1 Physical Installation

1. **Unpack:** Carefully remove the string lights and all components from the packaging.
2. **Plan Layout:** Determine the desired path for your string lights. Ensure the power adapter can reach a suitable outdoor power outlet.
3. **Mounting:** Use the provided mounting clips and screws to secure the string lights. Each bulb has a small loop above it for hanging. Ensure the lights are securely fastened to prevent sagging or damage from wind.
4. **Connect Power:** Connect the string lights to the low-voltage power adapter. Ensure the connection is tight.
5. **Plug In:** Plug the power adapter into a grounded outdoor electrical outlet. The lights should illuminate in a default mode.

Example of installed string lights creating an ambient outdoor setting.

## 4.2 App Connection (Tuya Smart APP)

1. **Download App:** Download the "Tuya Smart" app from your smartphone's app store (iOS or Android).
2. **Register/Log In:** Open the app and register a new account or log in if you already have one.
3. **Add Device:**

   - Ensure your phone is connected to a 2.4GHz Wi-Fi network. The lights do not support 5GHz Wi-Fi.

- In the Tuya Smart app, tap the "+" icon in the top right corner to add a device.
- Select "Lighting" or "Light Source (Wi-Fi)" from the device categories.
- **Pairing Mode:** To put the string lights into pairing mode, unplug the power adapter, wait 10 seconds, then plug it back in. Repeat this process 3-5 times until the lights begin to flash rapidly.
- Follow the on-screen instructions in the app to connect the lights to your Wi-Fi network. You will need to enter your Wi-Fi password.

4. **Device Renaming:** Once connected, you can rename the device (e.g., "Patio Lights") for easier control.

Your browser does not support the video tag.

Video demonstrating the individual bulb control and app interface for the ASAHOM Smart RGB Outdoor Lights.

## 5. OPERATING INSTRUCTIONS

### 5.1 App Control

Once connected to the Tuya Smart app, you can access various control features:

- **Individual Bulb Color:** Tap on individual bulbs in the app interface to select specific colors from the 16 million color palette.
- **Warm/Cold White:** Adjust the white light temperature from warm to cold to suit your preference.
- **Brightness Adjustment:** Use the dimming slider to set the brightness from 1% to 100%.
- **Scene Modes:** Select from 30 preset scene modes (e.g., Flow, Party, Rainbow, Chase, Dazzle, Gradient, Jump, Breathing, Blink) or create and save your own custom scenes by adjusting colors, brightness, and lighting speed.
- **Music Sync:** Activate the music sync mode to have the lights change in rhythm with music played through your phone's microphone.
- **Timer Function:** Set schedules for the lights to turn on/off at specific times or activate certain scenes.

The app interface allows for individual bulb color selection and brightness adjustment.

The app's schedule function allows setting timers for automatic operation.
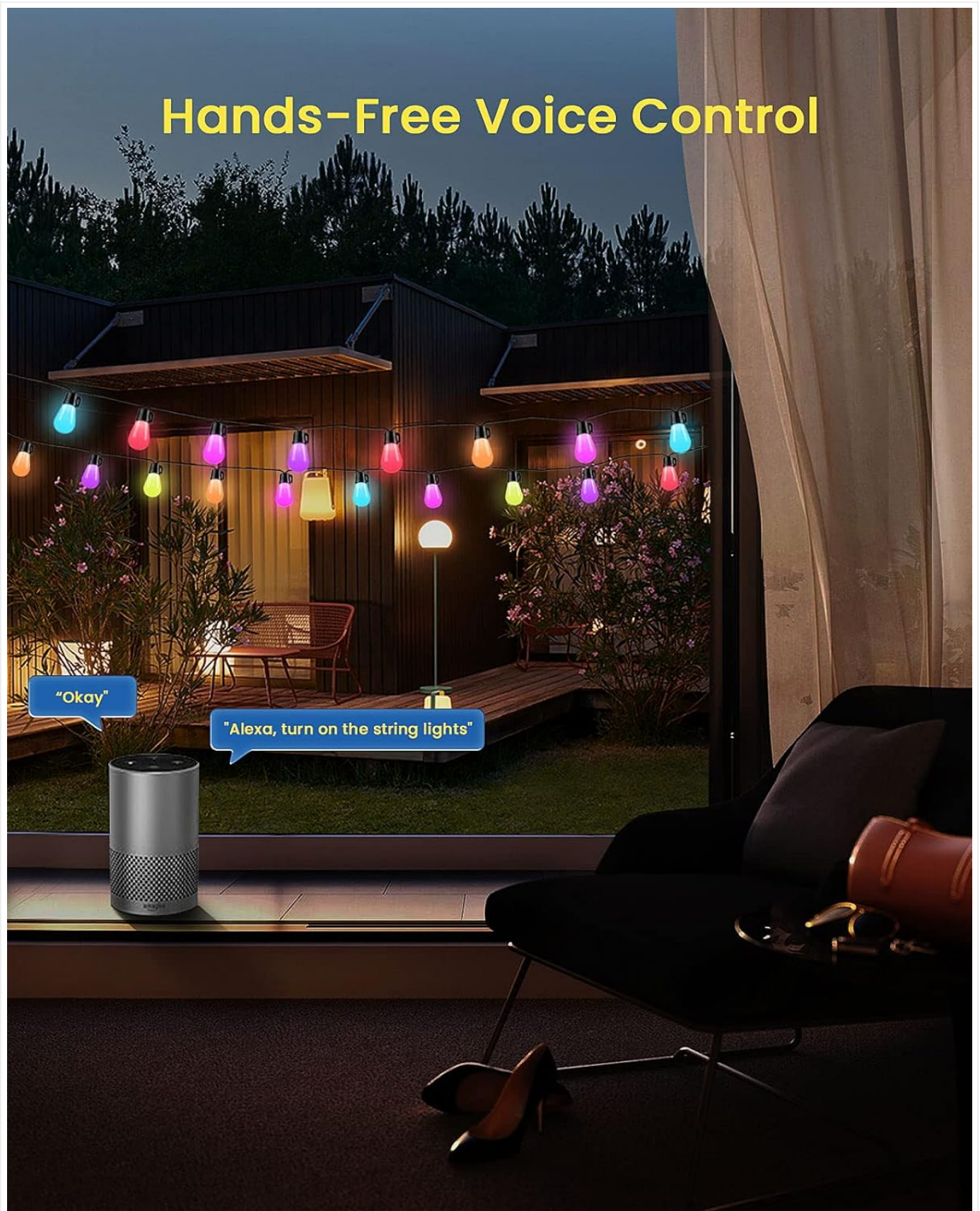
### 5.2 Voice Control (Alexa)

To enable voice control with Amazon Alexa:

1. **Link Account:** In the Alexa app, search for the "Tuya Smart" skill and enable it. Link your Tuya Smart account to your Alexa account.
2. **Discover Devices:** Ask Alexa to "Discover devices" or manually discover them in the Alexa app.

3. **Voice Commands:** Once discovered, you can use voice commands such as:

    - "Alexa, turn on [Device Name]" (e.g., "Alexa, turn on Patio Lights")
    - "Alexa, turn off [Device Name]"
    - "Alexa, set [Device Name] to red"
    - "Alexa, dim [Device Name] to 50%"



Voice control integration with Alexa for hands-free operation.

# 6. MAINTENANCE

- **Cleaning:** Disconnect power before cleaning. Wipe bulbs and cables with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** If storing the lights for an extended period, clean them thoroughly, coil them neatly, and store them in a cool, dry place away from direct sunlight.
- **Inspection:** Periodically inspect the string lights and power adapter for any signs of wear, damage, or loose connections.

# 7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---|---|---|
| Lights do not turn on. | No power, loose connection, damaged adapter. | Check power outlet, ensure adapter is securely connected. Inspect adapter and string for damage. |
| Cannot connect to Wi-Fi/App. | Incorrect Wi-Fi band (5GHz), incorrect password, lights not in pairing mode, weak signal. | Ensure 2.4GHz Wi-Fi. Re-enter password. Put lights into pairing mode (unplug/plug 3-5 times). Move closer to router. |
| Individual bulbs not working or inconsistent colors. | Manufacturing defect, internal wiring issue. | Contact customer support for assistance. |
| Voice control not working. | Alexa skill not enabled, device not discovered, incorrect commands. | Ensure Tuya Smart skill is enabled and linked in Alexa app. Redo device discovery. Use correct voice commands. |
| Lights disconnect frequently. | Weak Wi-Fi signal, interference. | Ensure lights are within Wi-Fi range. Reduce interference from other devices. |

# 8. SPECIFICATIONS

| Feature | Detail |
|---|---|
| **Model Number** | B1020 |
| **Length** | 96 ft |
| **Number of Bulbs** | 30 |
| **Bulb Shape Size** | S14 |
| **Bulb Material** | Shatterproof PC Plastic |
| **Light Source Type** | LED (RGB + Warm/Cold White) |
| **Wattage** | 5 watts |
| **Voltage** | AC 100-240V input / DC 12V output |
| **Control Method** | Wi-Fi App (Tuya Smart), Voice Control (Alexa) |

| Feature | Detail |
|---|---|
| **Wi-Fi Frequency** | 2.4GHz only |
| **Waterproof Rating** | IP65 |
| **Average Life** | 20,000 Hours |
| **Item Weight** | 3.87 pounds |
| **Package Dimensions** | 12.6 x 7.48 x 5.83 inches |

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official ASAHOM website. Keep your purchase receipt for warranty claims.

## Related Documents - B1020

| | |
|---|---|
|  | [ASAHOM S1020 LED Bulb String Lights: User Manual & Setup Guide](#) <br> Learn how to set up and use your ASAHOM S1020 LED Bulb String Lights. This guide covers installation, pairing with the Tuya Smart app, troubleshooting, and specifications for these IP65 rated outdoor lights. |
|  | [ASAHOM S1023 LED String Lights User Manual](#) <br> User manual for the ASAHOM S1023 LED String Lights, covering introduction, installation, app pairing, color adjustment, troubleshooting, specifications, compliance information, and environmentally friendly disposal. Features IP65 water resistance and Bluetooth app control. |
|  | [ASAHOM S1023 LED Bulb String Lights User Manual](#) <br> Comprehensive user manual for the ASAHOM S1023 LED Bulb String Lights, detailing installation, pairing with the Tuya Smart app, troubleshooting steps, product specifications, and compliance information. |
|  | [ASAHOM Quick Start Guide: Installing Outdoor String Lights](#) <br> Concise guide for installing ASAHOM permanent outdoor string lights, covering setup, connection, and mounting for optimal lighting effects. Includes safety tips and extension information. |

| | |
|---|---|
| ASAHOM<br><br><br>User Manual<br>LED Bulb String Lights<br><br>Model: S1025 | **[ASAHOM LED Bulb String Lights User Manual - Model S1025](#)**<br>User manual for ASAHOM LED Bulb String Lights (Model S1025). Provides instructions on setup, pairing with the Smart Life app, color adjustment, troubleshooting common issues, and technical specifications. Features IP65 water resistance for outdoor use. |
| ASAHOM<br><br><br>User Manual<br>Permanent Outdoor Lights<br>S1050 Series | **[ASAHOM S1050 Series Permanent Outdoor Lights User Manual](#)**<br>Comprehensive user manual for ASAHOM S1050 Series Permanent Outdoor Lights, detailing installation, Smart Life app setup, remote control functions, troubleshooting, and specifications for models S105A, S105B, S105C, and S105D. |