

Vortex Q21

Vortex Q21-5M Wi-Fi TV Light Strip Instruction Manual

Model: Q21-5M

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Vortex Q21-5M Wi-Fi TV Light Strip. Please read this manual thoroughly before use to ensure proper functionality and safety.

The Vortex Q21-5M is a 5-meter USB-powered 5050RGBIC LED light strip designed for TV backlighting and ambient room lighting. It features multiple control options including a remote control, Tuya Wi-Fi APP, and voice control compatibility with Amazon Alexa, Google Assistant, and IFTTT. The light strip also includes music synchronization, a timer function, and dimming capabilities.

WHAT'S IN THE BOX

Verify that all components are present in the package:

- 1 x LED Light Strip (5 Meters)
- 1 x Remote Control
- 1 x Power Adapter



Image: The main product image showing the LED light strip coiled, the remote control, the USB controller, and the power adapter, along with the product packaging.

SETUP INSTRUCTIONS

- 1. Prepare the Surface:** Ensure the installation surface (e.g., back of TV, wall, ceiling) is clean, dry, and smooth for optimal adhesive performance.
- 2. Connect the Components:**

- Connect the LED light strip to the USB controller. Ensure the arrows on both connectors align for proper connection.
- Connect the USB controller to the power adapter.
- Plug the power adapter into a standard electrical outlet.

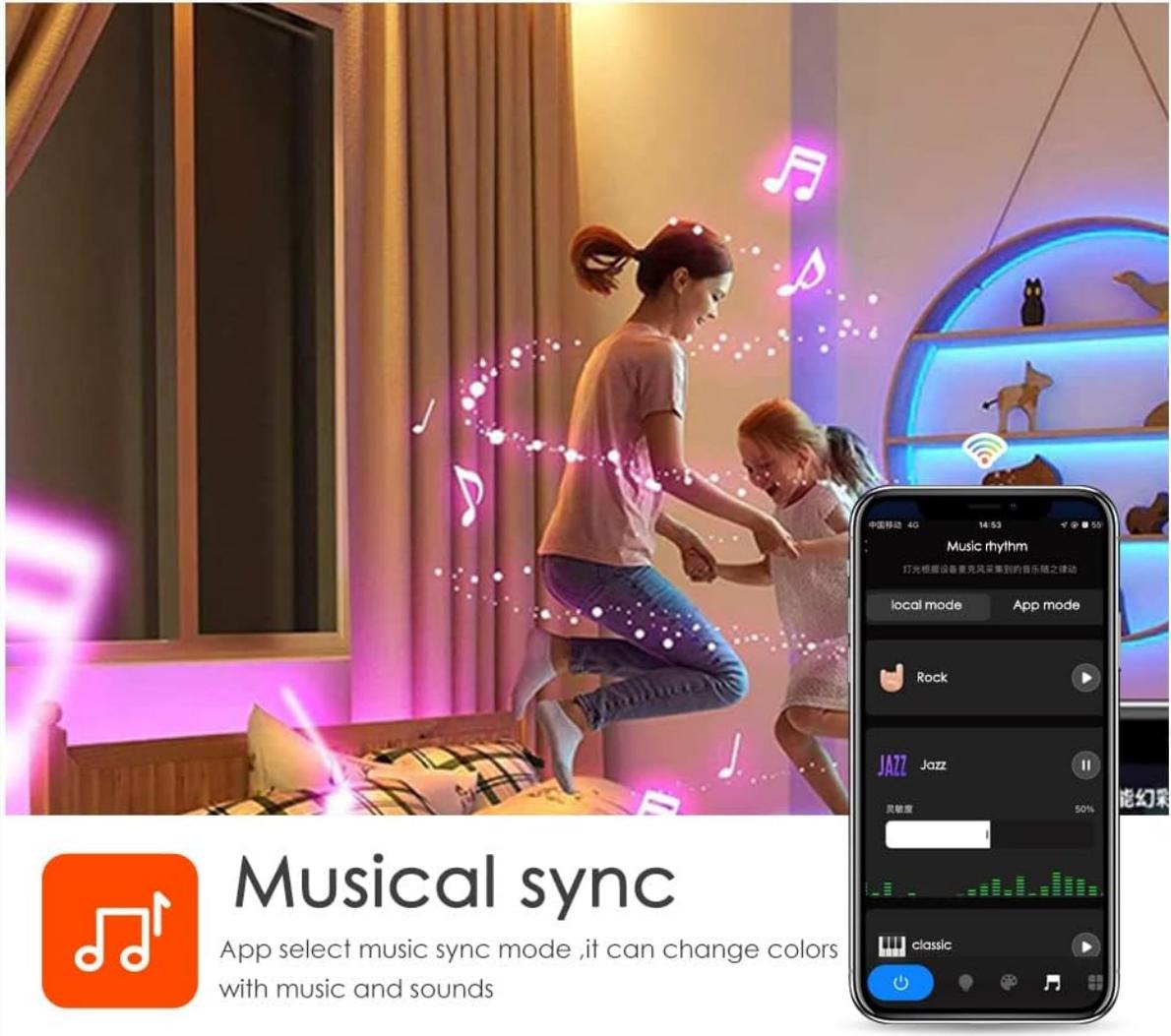


Image: A diagram illustrating the connection process between the LED strip and the USB controller, highlighting the importance of aligning the arrows on the connectors.

- 3. Mount the Light Strip:** Remove the adhesive backing from the LED strip and carefully press it onto the desired surface. Apply firm pressure for a few seconds to ensure a secure bond. The strip can be cut to length at designated marks if needed.



PRODUCT DISPLAY



5050 SMD

Display vibrant bright light



Can be cut

DIY for the length you



Safe resistor

Stable voltage protects LEDs



RGB 4PIN

Can be connected to a tuya wifi controller



Adhesive

Super high adhesive

Image: Detailed view of the LED strip highlighting its features: 5050 SMD LEDs for vibrant light, cuttable sections for length customization, a safe resistor for LED protection, an RGB 4PIN connector for the Tuya Wi-Fi controller, and super high adhesive backing.

4. **Power On:** Once connected, the light strip should illuminate.

5. **Download the Tuya Smart App:**

- Scan the QR code provided in the packaging or visit <https://smartapp.tuya.com/tuyasmart> to download the Tuya Smart app.
- Register or log in to your Tuya Smart account.
- Follow the in-app instructions to add your Vortex Q21-5M Wi-Fi TV Light Strip. Ensure your mobile device is connected to a 2.4GHz Wi-Fi network during the pairing process.

RGB-IC LED Strip Light Kit

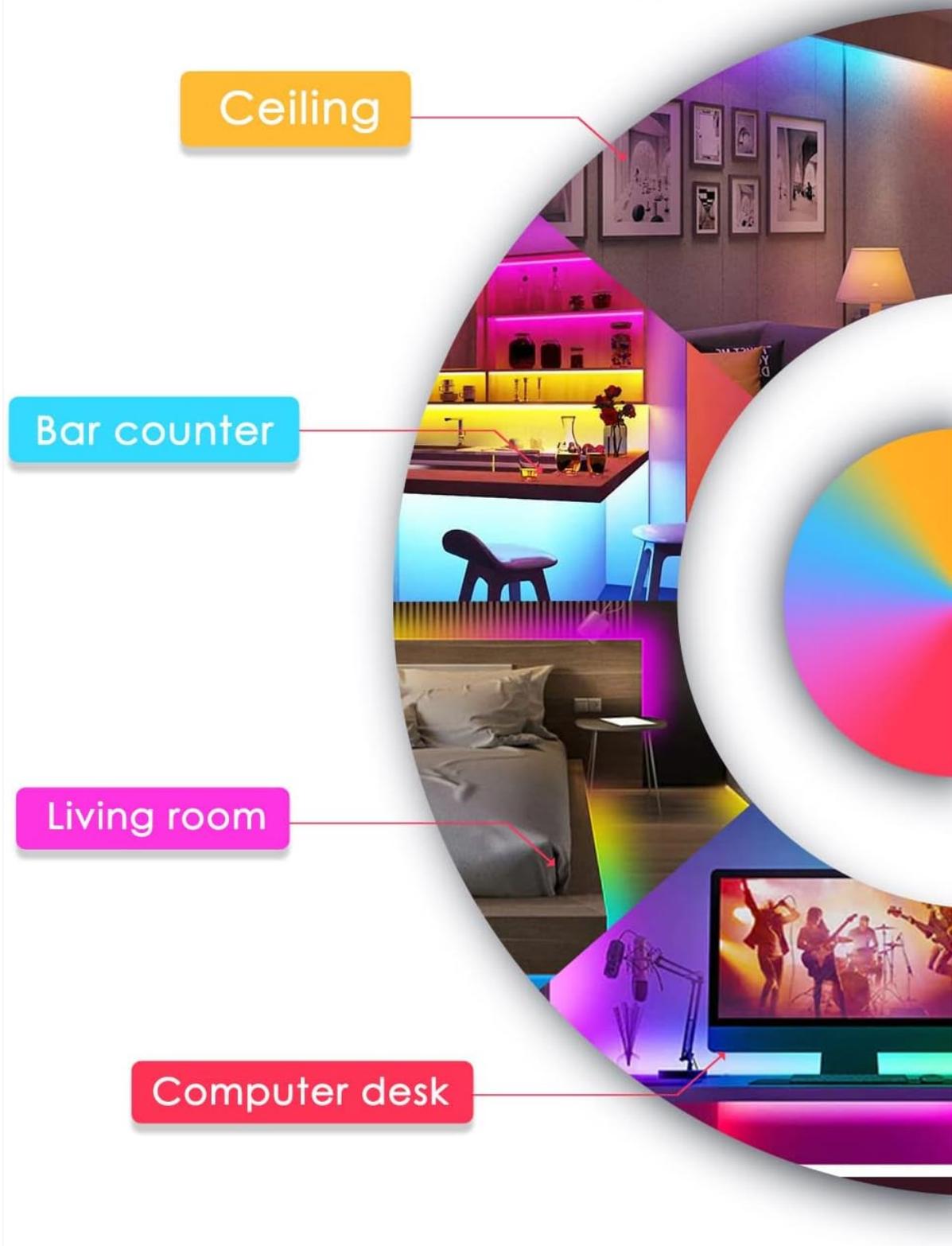


Image: Screenshots of the Tuya Smart app demonstrating various control modes: color adjustment, music synchronization, preset patterns, and timer settings.

OPERATING INSTRUCTIONS

Control Methods

- **Remote Control:** Use the included remote control to power on/off, change colors, adjust brightness, and select preset modes. Refer to the remote's button layout for specific functions.
- **Tuya Smart App:** The Tuya Smart app offers comprehensive control over your light strip.

- **Color Customization:** Select from a wide range of colors and adjust saturation.
- **Scene Modes:** Choose from various pre-programmed scene modes for different ambiances.
- **Dimming Function:** Adjust the brightness level to your preference.
- **Timer Function:** Set schedules for the lights to turn on or off automatically.



APP & Group Control

Turn on / off on matter where you are



Image: A smartphone displaying the Tuya app, illustrating its capability for app and group control of lighting, allowing users to turn lights on/off remotely.

- **Voice Control:** Integrate your light strip with smart voice assistants.
 - **Amazon Alexa:** Link your Tuya Smart account to Alexa via the Alexa app. Use commands like "Alexa, turn on the light."
 - **Google Assistant:** Link your Tuya Smart account to Google Assistant via the Google Home app.
 - **IFTTT:** Create custom automations with IFTTT (If This Then That) for advanced control.



WiFi WIFI&BT Control

Product name: TV LED Strip Light

Product size: L6MM * H13MM

Product color: White or Customized

Package size: 1-5M 170*150*40mm

Product weight: 1M135g 2M175g 3M240g 4M280g 5M320g 7.5M340g 10M375g

Outer box size: 400x400 x395mm

Full container weight: 1M gross weight 6.2kg 2M gross weight 7.8kg /3M gross weight 10.4kg 4M gross weight 12kg /5M gross weight 27.2kg 7.5M gross weight 14.4kg/10M gross weight 15.8kg

Packing quantity: 40 sets

Light color: RGBIC illusion

Number of lamp beads: 18LED/M

Maximum power: 10W5V

Control mode: TUYA Smart WIFI APP&IR Remote control

Material: PCB

Package list: USB data cable, 24 key remote control, 3 key controller, English manual

Image: A family interacting with an Amazon Alexa device to control the lights, showcasing smart voice control integration with Amazon Alexa, Google Assistant, and IFTTT.

- Music Synchronization:** The built-in microphone allows the light strip to sync with music, creating dynamic light shows that react to audio. This feature can be activated via the Tuya Smart app.



USB interface charging

Can be used devices with 5V adapter



USB Adapter



USB Socket



Power Bank



Computer



Wall Socket

Image: Individuals enjoying a room illuminated by LED strip lights that are synchronizing with music, controlled through a smartphone application.

MAINTENANCE

- **Cleaning:** Gently wipe the LED strip with a dry, soft cloth to remove dust. Do not use liquid cleaners or abrasive materials.
- **Adhesive:** If the adhesive weakens over time, use additional mounting clips or double-sided tape to secure the strip.
- **Storage:** If storing the light strip, ensure it is coiled loosely and kept in a dry, cool place away from direct sunlight.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light strip does not turn on.	No power, loose connection, faulty power adapter.	Check power source. Ensure all connections are secure, especially the arrow alignment between the strip and controller. Try a different USB power source.
Cannot connect to Wi-Fi/App.	Incorrect Wi-Fi band (not 2.4GHz), incorrect password, device too far from router.	Ensure your phone is on a 2.4GHz Wi-Fi network. Verify Wi-Fi password. Move the light strip closer to the router. Reset the light strip and try pairing again.
Colors are incorrect or inconsistent.	Loose connection, app settings.	Check the connection between the strip and controller for proper arrow alignment. Adjust color settings in the Tuya Smart app.
Remote control not working.	Battery depleted, obstruction, remote out of range.	Replace the remote control battery. Ensure no obstructions between the remote and the light strip's receiver. Move closer to the light strip.

SPECIFICATIONS

- **Model:** Q21
- **Length:** 5 Meters
- **LED Type:** 5050RGBIC
- **Power Source:** USB Powered, 5V
- **Control Methods:** Tuya Wi-Fi APP, Remote Control, Voice Control (Amazon Alexa, Google Assistant, IFTTT)
- **Special Features:** Music Sync, Timer Function, Dimming Function, Waterproof (strip only)
- **Indoor/Outdoor Usage:** Indoor
- **Material:** Plastic
- **Item Weight:** 6.3 ounces

OFFICIAL PRODUCT VIDEOS

Vortex RGB LED LIGHT STRIPS

Your browser does not support the video tag.

Video: This video demonstrates the various color modes and effects of the Vortex RGB LED Light Strips, showcasing their dynamic lighting capabilities and how they can enhance different environments.

Vortex Color Light Strips (5m)

Your browser does not support the video tag.

Video: A demonstration of the Vortex 5-meter Color Light Strips, highlighting their vibrant color output and ease of use in various settings.

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the contact details provided in your product packaging or visit the official Vortex website. Keep your purchase receipt for warranty claims.

Return Policy: This product is eligible for a refund or replacement within 30 days of purchase.

Protection Plans: Extended protection plans are available for purchase:

- 3-Year Protection Plan: \$5.99 (one-time)
- 4-Year Protection Plan: \$7.99 (one-time)
- NEW Complete Protect: \$16.99 (monthly, covers all eligible past and future purchases)