



# twinkly TWS600STP-GUS Generation II 600 LED RGB Smart Light String Instructions

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**GENERATION II**  
**strings**  
instructions guide

**For indoor and outdoor use**

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## Attention

**Read and follow all safety instructions.**

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Do not use seasonal products outdoors unless marked as suitable for indoor and outdoor use. When products are used in outdoor applications, connect the product to a Ground Fault Circuit Interrupting (GFCI) outlet. If one is not provided, contact a qualified electrician for proper installation.
3. This seasonal use product is not intended for permanent installation or use.
4. Do not mount or place near gas or electric heaters, fireplaces, candles, or other similar sources of heat.
5. Do not secure the wiring of the product with staples or nails, or place it on sharp hooks or nails.
6. Do not let lamps rest on the supply cord or on any wire.
7. Unplug the product when leaving the house, when retiring for the night, or if left unattended.
8. This is an electric product — not a toy! To avoid the risk of fire, burns, personal injury, and electric shock it should not be played with or placed where small children can reach it.
9. Do not use this product for other than its intended use.
10. Do not hang ornaments or other objects from the cord, wire, or light string.
11. Do not cover the product with cloth, paper, or any material not part of the product when in use.
12. Do not close doors or windows on the product or extension cords as this may damage the wire insulation.
13. Read and follow all instructions that are on the product or provided with the product.
14. SAVE THESE INSTRUCTIONS.
15. Do not connect the chain to the supply while it is in the packing.
16. Where breakage or damage to lamps occurs the chain must not be used/energized but disposed of safely.
17. The lamps are not replaceable.
18. WARNING – RISK OF ELECTRIC SHOCK IF LAMPS ARE BROKEN OR MISSING. DO NOT USE.

## Use and care instructions

- a. When the product is placed on a live tree, the tree should be well maintained and fresh. Do not place on live trees in which the needles are brown or break off easily. Keep the live tree holder filled with water.
- b. If the product is placed on a tree, the tree should be well-secured and stable.
- c. Before using or reusing, inspect the product carefully. Discard any products that have cut, damaged, or frayed wire insulation or cords, cracks in the lamp holders or enclosures, loose connections, or exposed copper wire.
- d. When storing the product, carefully remove the product from wherever it is placed, including trees, branches, or bushes, to avoid any undue strain or stress on the product conductors, connections, and wires.
- e. When not in use, store neatly in a cool, dry location protected from sunlight.

### **WARNING** – To reduce the risk of fire and electric shock:

- a. Do not install on trees needles, leaves, or branch coverings of metal or materials which look like metal.
- b. Do not mount or support wires in a manner that can cut or damage wire insulation. Class A Disclaimer: This equipment has been tested and found to comply with the limits for a Class A 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, uses, 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/television technician for help.



### **WARNING!**

Do not connect the light string to the power supply while it is in the packaging. The connecting cable cannot be repaired or replaced. THE LAMPS ARE NOT REPLACEABLE. The lighting chain must not be used without all gaskets being in place. Lighting chains don't intend for interconnection. Do not connect this light string electrically to devices from another manufacturer. CAUTION! Strangulation hazard. Keep out of reach of young children.

The crossed-out wheeled bin symbol indicates that the item should be disposed of separately from household waste. The item should be handed in for recycling in accordance with local environmental regulations for waste disposal.

The manufacturer, Leadworks Srl, declares that this device complies with the (LVD) 2014/35/EU, (RED) 2014/53/EU, (EMC) 2014/30/EU, (RoHS) 2011/65/EU, (REACH) 1907/2006 directives.

The full text of the EU declaration of conformity is available at the following Internet address:  
[www.twinkly.com/certifications](http://www.twinkly.com/certifications)

### **System Requirement**

The minimum system requirement for mobile phones are iOS 11 and Android 5 Check the app store for the latest update to ensure the best performance.

### **Technical Specifications**

Power supply: see label IP protection: IP44

### **Premium grade LED diodes**

To ensure high color rendering, Twinkly products only use high-quality LEDs.

Twinkly's RGB and RGB+W products are produced according to quality principles and processes that allow us to obtain a high degree of primary color purity.

The minimum excitation purity values of the Blue, Green and Red components are shown in the table below.

Operating RF for Wi-Fi / Bluetooth		Color Purity
Frequency	2402/2480 Mhz	Blue
Max output	<100mW	Green
Power		Red

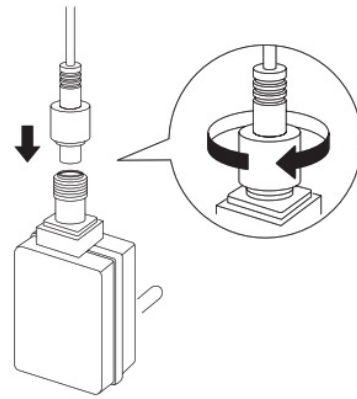
\* values apply only to RGB (STP) and RGBW (SPP) products, not AWW (GOP) products

### **physical setup**

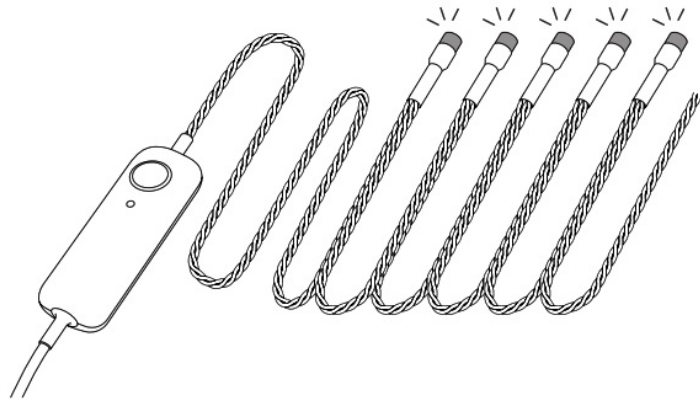
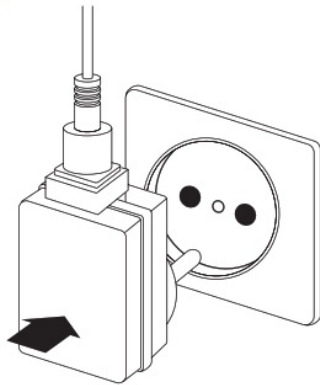
1.



2.



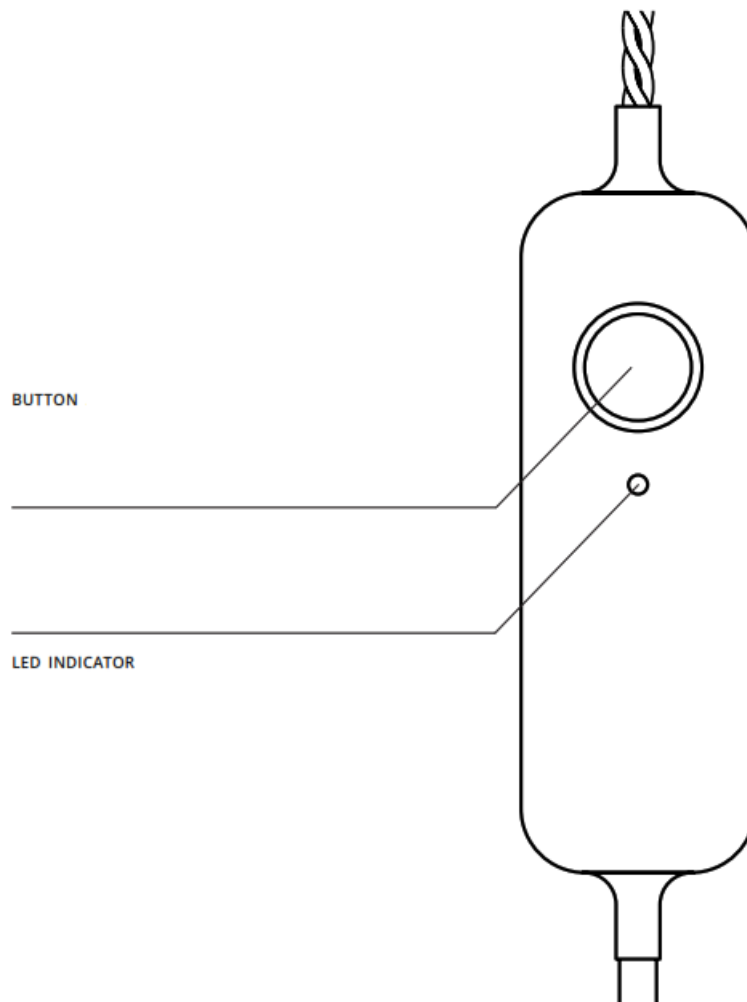
3.



1. Decorate your tree with Twinkly Strings. Arrange as a spiral for best results. Always start from the middle of the tree to the top and bottom.
2. Connect the Twinkly Strings. to the power adapter.
3. Plug the power adapter into a power socket, and the lights will switch on.

### controller

- CONTINUOUS GREEN: Direct Wi-Fi mode, connected
- FLASHING GREEN: Direct Wi-Fi mode, no device connected
- CONTINUOUS BLUE: Home Wi-Fi network mode, connected
- FLASHING BLUE: Home Wi-Fi network mode, connection in progress
- FLASHING RED: Home Wi-Fi network mode, unable to connect
- LIGHT BLUE: SETUP MODE (Bluetooth ON)
- YELLOW: Firmware Update in progress
- CONTINUOUS RED: General error
- FLASHING WHITE: Reset procedure in progress



## app download

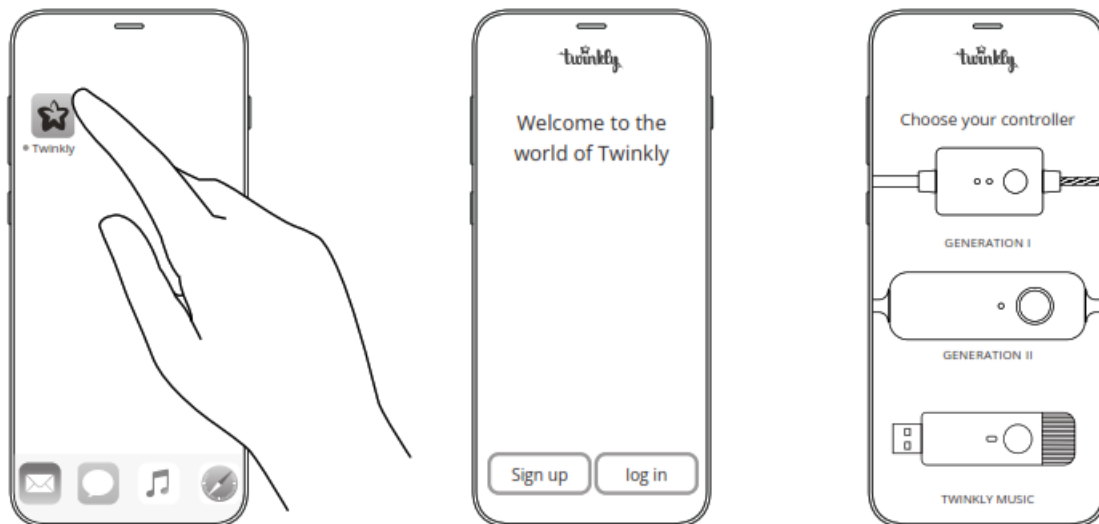


<http://twinkly.com/manual>

Go to App Store/Google Play Store (or scan QR code).  
Download and install the Twinkly app

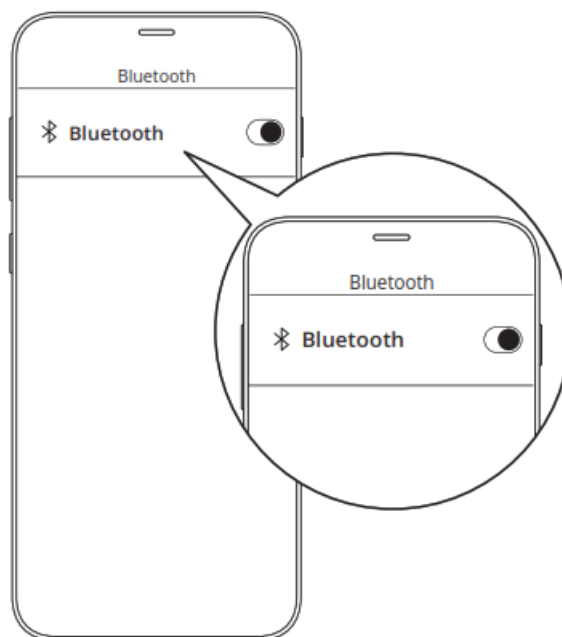
**Note:** All app illustrations in this document are a mere representation of the functionality and might vary from the actual app visuals.

## setup twinkly



- Launch the Twinkly app.
- Sign up/log in to your account (necessary for using smart home features).
- Follow the setup process on the app.

## Connection modes

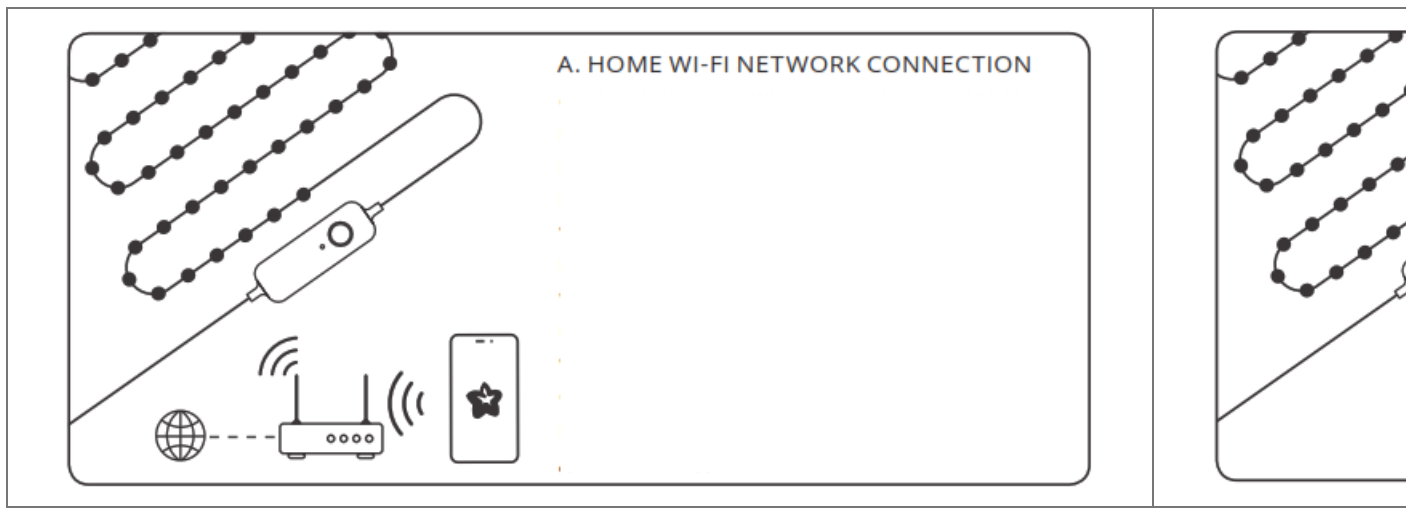


Twinkly uses Bluetooth for the setup process only. Wi-Fi connection is required for operation. You can use:

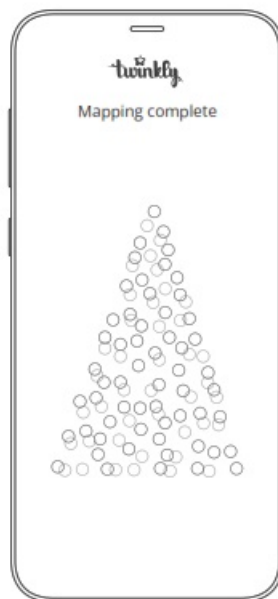
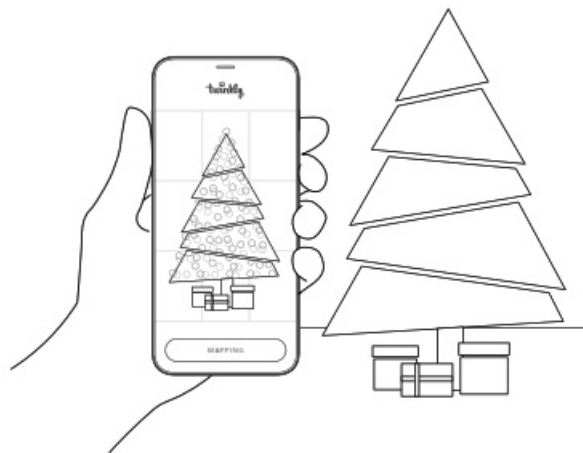
A. Home Wi-Fi network connection (recommended): Connect with your home/office WiFi from the list of available networks.

B. Direct Wi-Fi connection: Select “Twinkly\_xxxxxx” WiFi from the list of available networks. Password: Twinkly2019

**(NOTE:** the internet on your phone will not be available in this case)

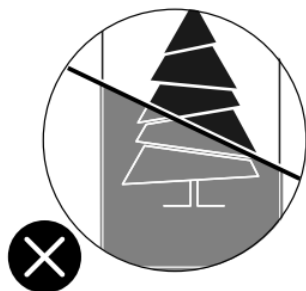
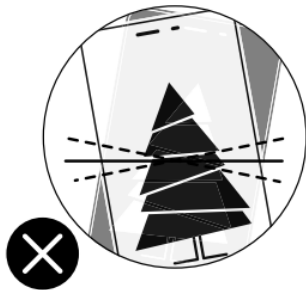
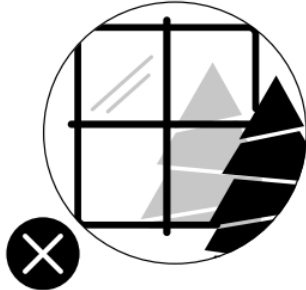
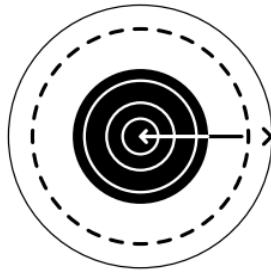


## Mapping



Map the layout of your decoration to unlock the full potential of your Twinkly lights, such as advanced effects, drawing, and many upcoming features.

## Mapping tips



**Note:** For best results, avoid reflective surfaces behind the tree, keep the mobile cam steady during the process, and ensure moderate ambient light (not too dark).

## Troubleshooting

### Q THE LIGHTS DO NOT SWITCH ON

- Check that the power adapter is plugged in and that the controller is correctly connected to the device
- Check that the LED status indicator on the controller is lit
- Briefly press the button on the controller
- If this doesn't work, unplug the power adapter, wait for 30 seconds and plug in again

### Q THE LIGHTS TURNED ON BUT ARE BLOCKED

- Briefly press the button on the controller



- If this does not work, unplug the power adapter, wait for 30 seconds and plug it in again

#### **Q THE LED INDICATOR IS LIGHT BLUE, BUT MY SMARTPHONE CAN NOT FIND TWINKLY**

- Unplug the power adapter, wait 30 seconds, plug it in again, and repeat the Configuration procedure
- If this does not work, try to Reset (see Reset procedure below)
- If this won't work, see the online reference manual [help.twinkly.com](http://help.twinkly.com)

#### **Q HOW CAN I CONNECT TWINKLY WITHOUT A HOME WI-FI NETWORK?**

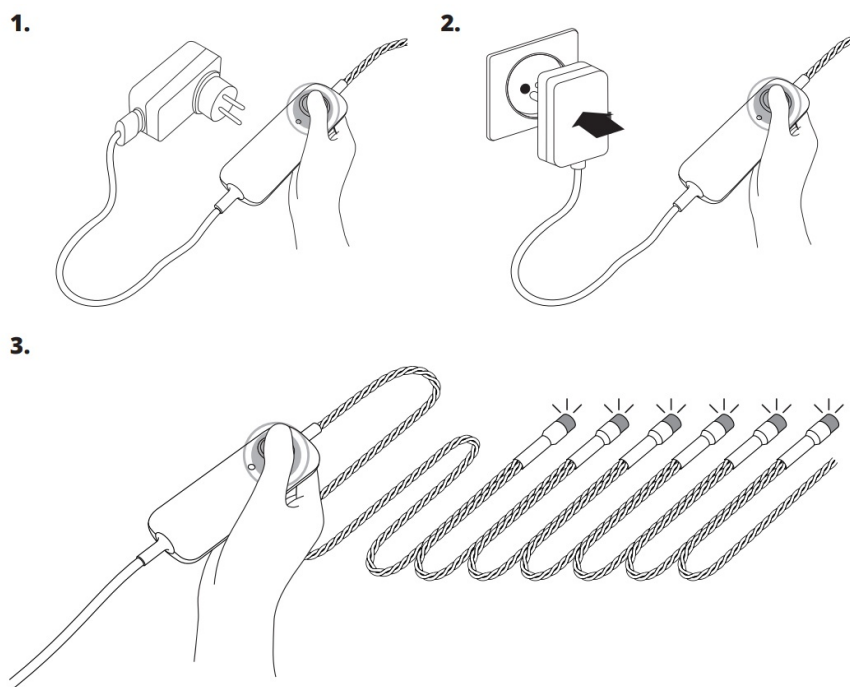
- Open Wi-Fi settings on your smartphone
- Find and select “Twinkly\_XXXXXX” network
- Enter the Wi-Fi password “ Twinkly2019 ” and ensure that the “Twinkly\_XXXXXX” network is connected

#### **Q TWINKLY SETUP WAS SUCCESSFUL, BUT THE LIGHTS DON'T RESPOND TO COMMANDS**

- Within the Twinkly application, open “Devices” and check that the Twinkly device is selected
- If this does not work, stop the Twinkly application and launch it again
- If this does not work, try to Reset (see Reset procedure below)
- If this does not work, delete the Twinkly application from your smartphone, then download the latest version from AppStore or Google Play Store







If you have any problems, please write to [support@twinkly.com](mailto:support@twinkly.com)

#### **Reset twinkly**



1. Unplug Twinkly from the power socket. Press and hold the controller button.
2. While holding the button, plug in Twinkly.
3. Keep holding the button until all LEDs turn red (or amber for Gold Edition), then release the button.

## Online manual

     	Browse, play and edit effects.
	Create new effects.
	Group multiple devices together.
	<b>Synchronize with music.</b>
	<b>Download new effects.</b>
	<b>Control with Smart Home Assistant.</b> Controllo con Smart Home Assistant



<http://twinkly.com/manual>

For all these features and more, see [help.twinkly.com](http://help.twinkly.com)

**RGB**

TWS100STP-BEU	TWS100STP-BCH	TWS100STP-BUK	TWS100STP-GUS	TWS100STP-BAU
TWS150STP-BEU	TWS150STP-BCH	TWS150STP-BUK	TWS150STP-GUS	TWS150STP-BAU
TWS150STP-BCA	TWS150STP-BFR	TWS175STP-BEU	TWS200STP-BAU	TWS200STP-BRU
TWS250STP-BEU	TWS250STP-BCH	TWS250STP-BUK	TWS250STP-GUS	TWS250STP-BAU
TWS400STP-BEU	TWS400STP-BCH	TWS400STP-BUK	TWS400STP-GUS	TWS400STP-BAU
TWS600STP-BEU	TWS600STP-BCH	TWS600STP-BUK	TWS600STP-GUS	TWS600STP-GCA
TWS600STP-BAU				

## RGB+W

TWS250SPP-BEU	TWS250SPP-TEU	TWS400SPP-BEU	TWS600SPP-BEU	TWS250SPP-BCH
TWS250SPP-TCH	TWS400SPP-BCH	TWS600SPP-BCH	TWS250SPP-BUK	TWS250SPP-TUK
TWS400SPP-BUK	TWS600SPP-BUK	TWS250SPP-GUS	TWS250SPP-TUS	TWS400SPP-GUS
TWS600SPP-GUS	TWS250SPP-BAU	TWS250SPP-TAU	TWS400SPP-BAU	TWS600SPP-BAU

## AWW


TWS250GOP-BEU	TWS400GOP-BEU	TWS250GOP-BCH	TWS400GOP-BCH	TWS250GOP-BUK
TWS400GOP-BUK	TWS250GOP-GUS	TWS400GOP-GUS	TWS250GOP-BAU	TWS400GOP-BAU

LEDWORKS Srl  
Via Tortona, 37 – 20144  
Milano – Italy  
more info

 [help.twinkly.com](https://help.twinkly.com)



## Documents / Resources

	<a href="#">twinkly TWS600STP-GUS Generation II 600 LED RGB Smart Light String</a> [pdf] Instructions TWS600STP-GUS, Generation II 600 LED RGB Smart Light String, TWS600STP-GUS Generation II 600 LED RGB Smart Light String
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## References

-  [Twinkly Help Center](#)
-  [Twinkly](#)
-  [Twinkly](#)

