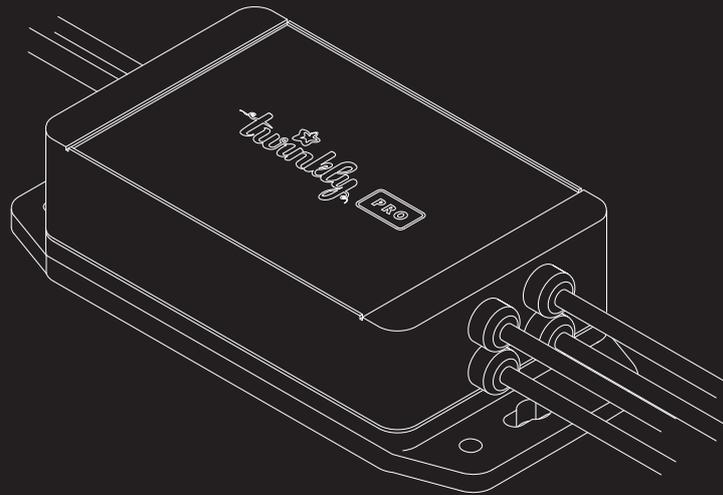




Smart decoration solutions for professionals



USERGUIDE **TWPRO100ETHP**

REV 1.200601

## **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**

1. Read and follow all safety instructions.
2. Do not use seasonal products outdoors unless marked 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 on sharp hooks or nails.
6. Do not let lamps rest on the supply cord or on any wire.
7. This is an electric product - not a toy! To avoid risk of fire, burns, personal injury and electric shock it should not be played with or placed where small children can reach it.
8. Do not use this product for other than its intended use.
9. Do not hang ornaments or other objects from cord, wire, or light string.
10. Do not cover the product with cloth, paper, or any material not part of the product when in use.
11. Do not close doors or windows on the product or extension cords as this may damage the wire insulation.
12. Read and follow all instructions that are on the product or provided with the product.
13. Save these instructions.

## **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. Once the product is placed, the installation should be well secured and stable.
- c. Before using or reusing, inspect product carefully. Discard any products that have cut damaged, or frayed wire insulation or cords, cracks in the lampholders 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.

## **ATTENTION – TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK**

- a. Do not install on surfaces having sharp edges, or 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:

- i. Reorient or relocate the receiving antenna.
- ii. Increase the separation between the equipment and receiver.
- iii. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- iv. 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 not intended 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.

**TECHNICAL SPECIFICATIONS**

<b>No. of ports</b>	4
<b>IP rating</b>	IP65
<b>Connectivity</b>	Ethernet
<b>Power rating</b>	120 W MAX
<b>Adapter input voltage</b>	110-120V max 60HZ (US)   200-240V max 50Hz (EU/UK)
<b>Temperature range</b>	-15°C / 40°C   5°F / 104°F
<b>Storage temperature range</b>	-20°C / 60°C   -4°F / 140°F
<b>Certification</b>	US   EU   JP   AU certified
<b>Warranty</b>	24 months

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# Introduction

Thank you for choosing Twinkly Pro for your lighting needs.

This manual will provide detailed instructions, guide you through the entire setup process, and assist you with the recommended installation procedure for your device(s).

By reading this step-by-step guide you will:

- avoid making common installation mistakes;
- learn the technical and practical knowledge needed to operate and manage your device(s) properly;
- minimize the need for Technical Support;
- help create the best experience possible for you and your customers.

At the end of this manual, complete the 'pre-flight' checklist and be ready to decorate like a boss!

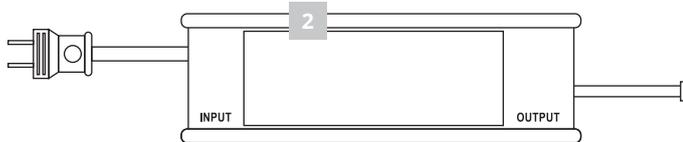
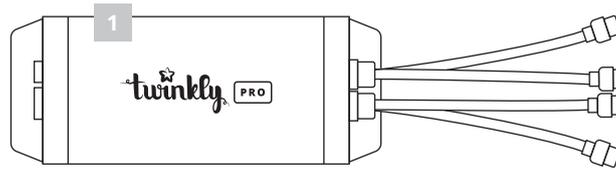
Sincerely,

**THE TWINKLY PRO TEAM**

# Package Contents

What is inside the box

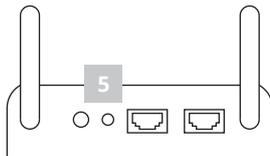
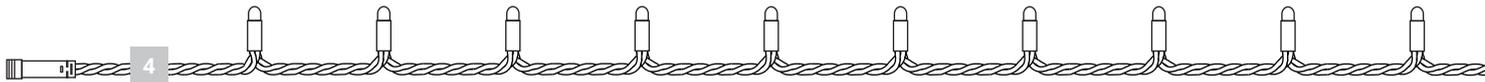
- 1 TWPRO1000ETHP Ethernet Controller
- 2 AC/DC Power Adapter
- 3 Ethernet Cable Gland



# Installation Requirements

What is required for the installation \*

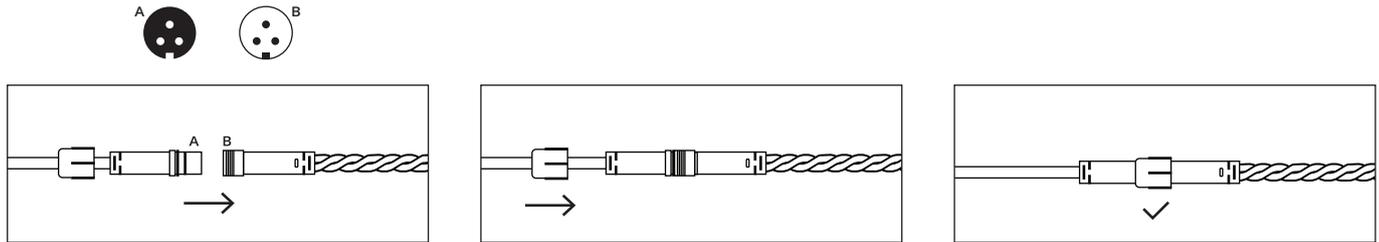
- 4** Twinkly Pro Light Strings (*up to 4 per TWPRO1000ETHP controller*)
- 5** Internet Router
- 6** CAT5 Ethernet Cable



\* purchased separately

## STEP 1

# Connect Light Strings

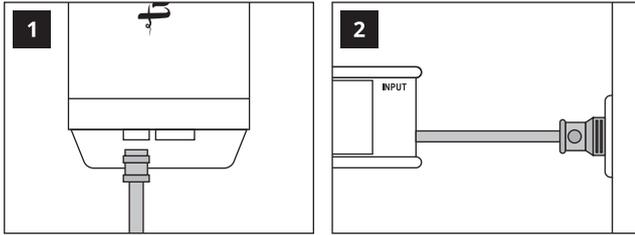


### NOTE

We recommend installing lights strings before connecting them to the controller(s).

## STEP 2

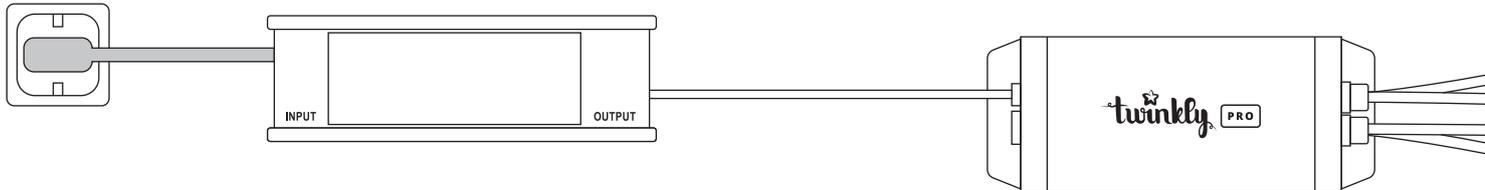
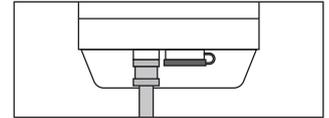
# Powering up the Controller



- 1 **Connect power cable to the controller**
- 2 **Connect the power adapter to a power socket**

**Your controller is now powered up**

*If no cables are connected  
make sure the caps are  
closed tightly to prevent  
water infiltration.*



### STEP 3

## Make the Ethernet Cable IP65

*This process is needed only for outside installations!*



1. Materials and tools needed



2. Use the crimping tool to cut one end of the ethernet cable



3. Cut the end of the cable



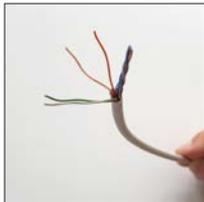
4. Insert the **Ethernet Cable Gland** provided in this package



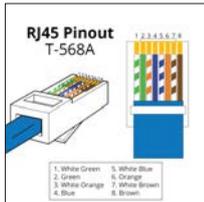
5. Remove the sheath



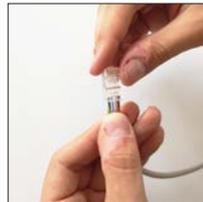
6. The wires are grouped two-by-two



7. Unroll the groups of wires till you have 8 single wires



8. Sort the wires in the order indicated by the graphic in the image above



9. Flatten the wires, the connector must have the clip at the bottom and the sheath must touch the edge



10. Insert the connector in the crimping tool and crimp to hold the wires in place



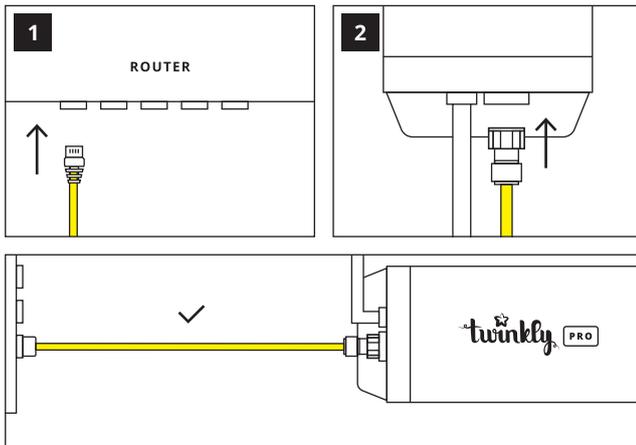
11. Insert the connector in the ethernet cable gland



12. The cable is ready to be connected to the controller

## STEP 4

# Connect to your Network



### 1 **Connect CAT 5 cable to an open port on router**

(not WAN)

- Use Network Switch for installations requiring more controllers, see page 12 for recommended networking setup
- Connect to WAN port for installations to be controlled remotely and to have full access to all the Twinkly app features during configuration and devices control.

### 2 **Connect the other end of CAT 5 cable to the controller**

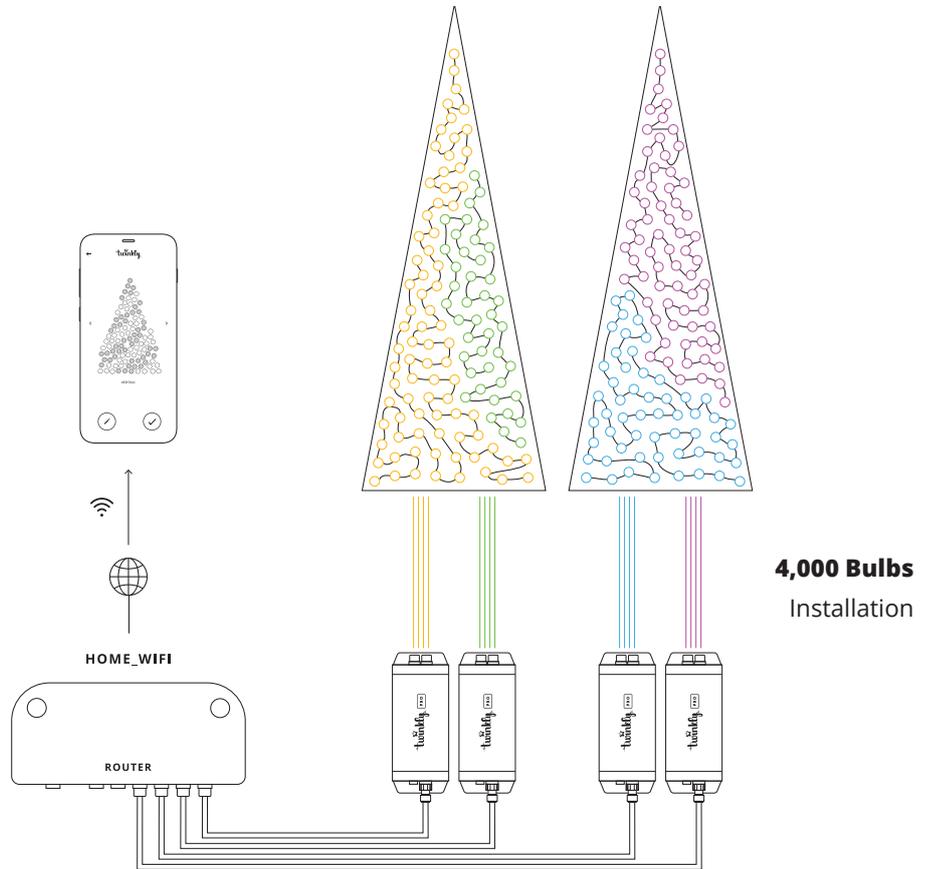
Follow instructions from page 9 to make the ethernet cable end connecting to the controller IP65

**You are connected!**

# Multi-controller Setup

Twinkly App functions for multi-controller installations:

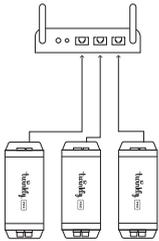
- Grouping
- Join
- Sync
- Scenes
- Mapping



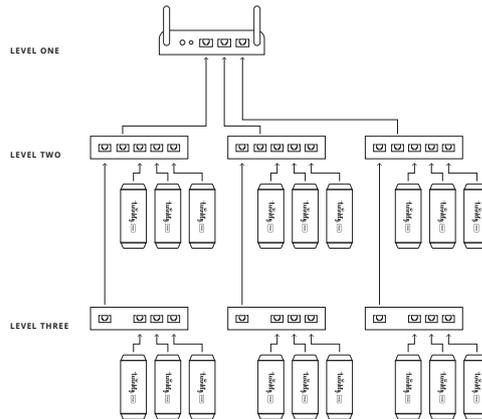
**CORRECT**

# Networking layout for multiple controllers

**1 - 3\***  
CONTROLLERS



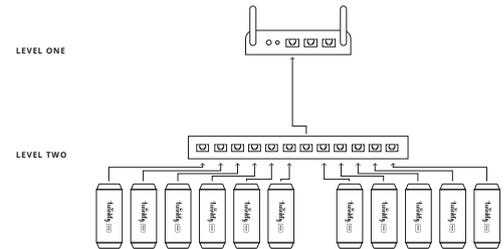
**3\* OR MORE CONTROLLERS**  
*OPTION A*



**NOTE**

\* The maximum number is delimited by the number of available ethernet ports in your router.

*OPTION B*

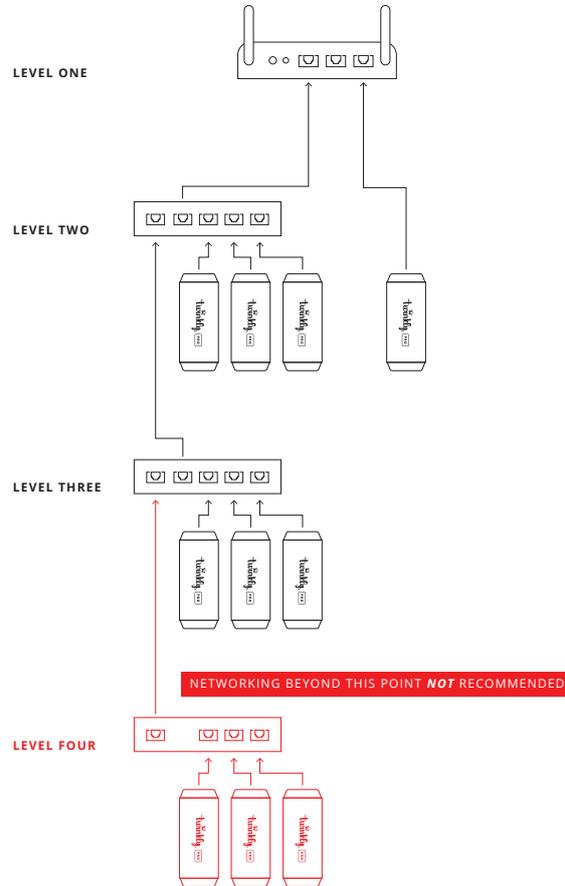


**INCORRECT**

# Networking layout for multiple controllers

**NOTE**

Networking controllers beyond three levels deep may result in loss of data transfer.



If you need any further information,  
please feel free to contact us:

[sales@pro.twinkly.com](mailto:sales@pro.twinkly.com)

