

## Pawfly Pawfly-YL5411-BK

# Pawfly 80-Cell Grow Kit with Adjustable LED Grow Lights and Humidity Domes User Manual

Model: Pawfly-YL5411-BK

Brand: Pawfly

## INTRODUCTION

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This manual provides instructions for the assembly, operation, and maintenance of your Pawfly 80-Cell Grow Kit. Designed for healthy and accelerated plant growth, this all-in-one kit includes robust seed trays, humidity domes for moisture control, and adjustable LED grow lights to support plant development from germination to transplanting. The spacious cells promote strong root development, making these trays ideal for herbs, vegetables, and more. Made from stable, reusable PVC material, the clear domes create a mini-greenhouse effect, retaining warmth and moisture for successful germination. The ventilated lid and drip tray ensure air circulation and optimal drainage, keeping seeds moist but not waterlogged. This complete seed starting kit supports plant propagation for both beginners and experienced gardeners.

## SAFETY INFORMATION

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- Always ensure the USB power adapter (not included) meets the specified voltage requirements for the LED grow lights.
- Keep electrical components away from water to prevent electric shock.
- Do not attempt to modify the LED grow lights or other electrical parts.
- Supervise children when they are using the grow kit.
- Place the grow kit on a stable, level surface.

## PACKAGE CONTENTS

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Verify that all components are present in your package:

- 2x Humidity Domes
- 2x Cell Trays (40 cells each, 80 cells total)
- 2x Drip Trays
- 4x LED Grow Light Bars
- 1x 4-Way USB Power Cable

- 4x Vent Caps
- 2x Planting Tools
- 20x Plastic Plant Labels

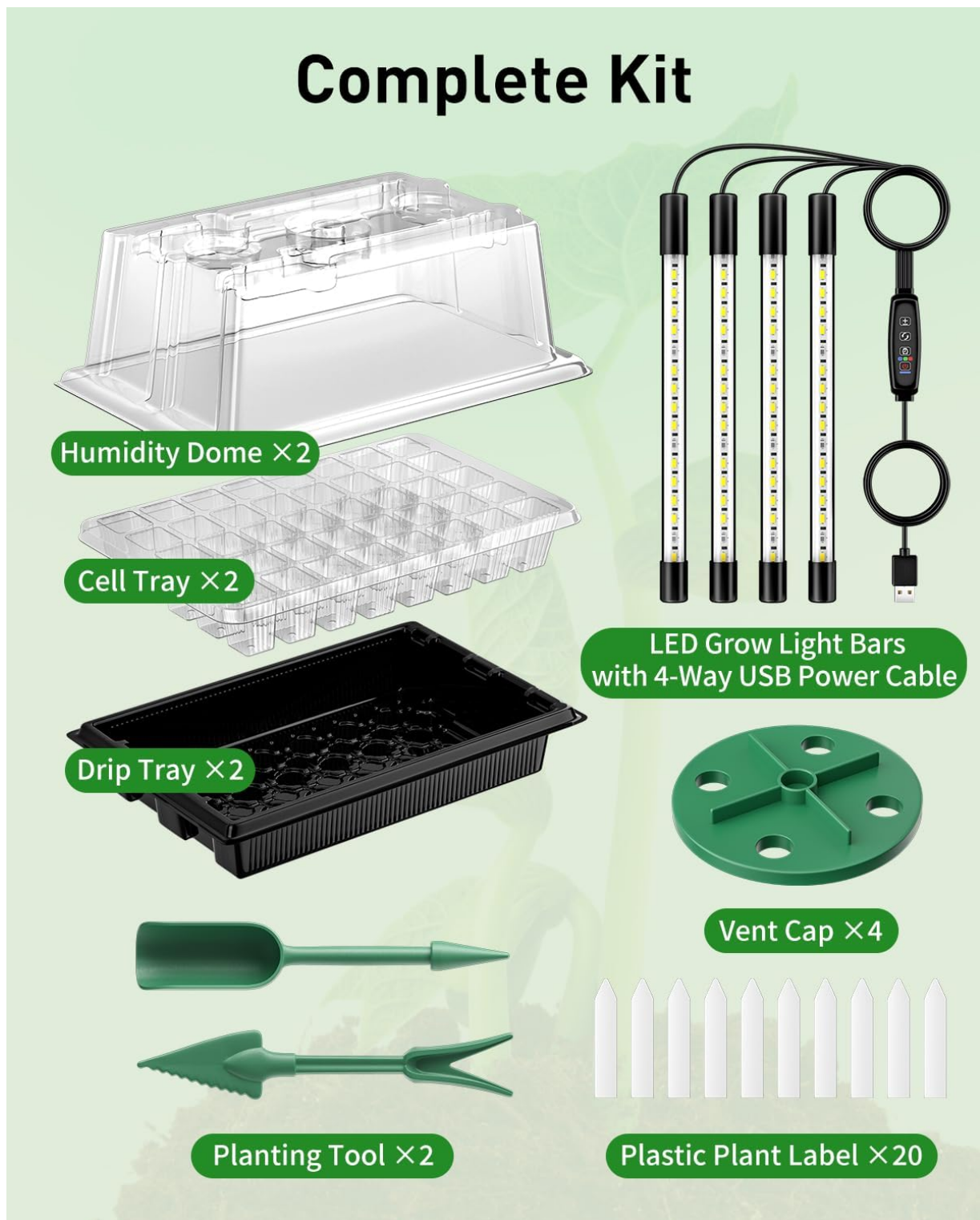


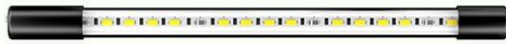
Image: All components included in the Pawfly 80-Cell Grow Kit, showing two humidity domes, two cell trays, two drip trays, four LED grow light bars with a 4-way USB power cable, four vent caps, two planting tools, and twenty plastic plant labels.

## SETUP INSTRUCTIONS

1. **Assemble the Trays:** Place each cell tray into a drip tray. The drip tray collects excess water and provides a stable base.

# Seed Starter Tray with Grow Light

## New & Optimized



**20 LEDs**



- ✓ 40 Cells in Total
- ✓ Reinforced PVC Walls
- ✓ Strong & Reusable

## Old & Flawed

**4 LEDs**

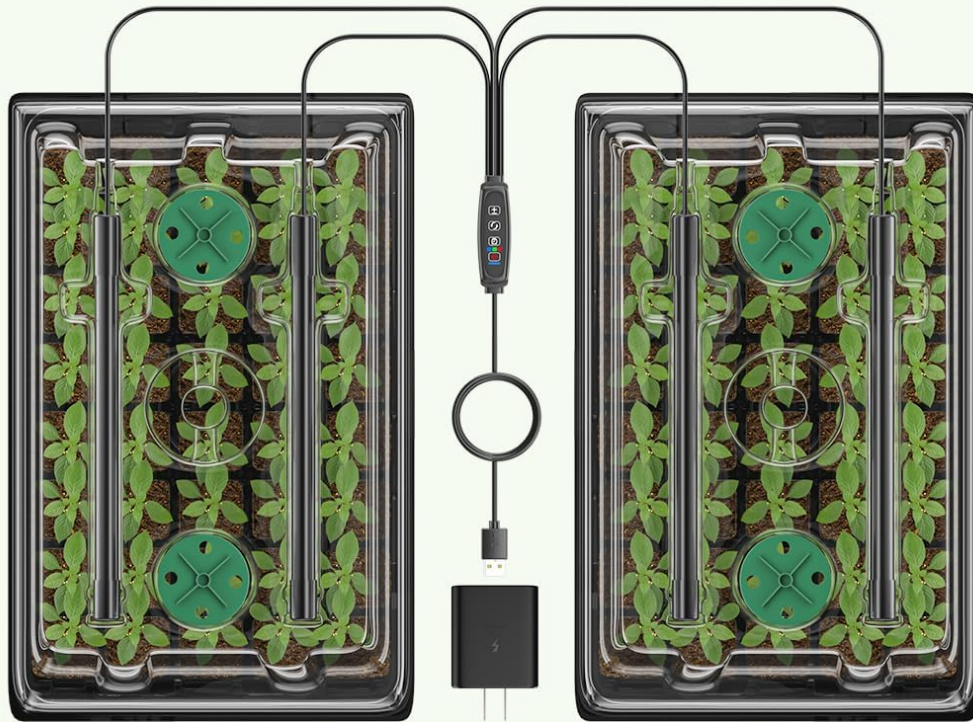


- ✗ 12 Cells Only
- ✗ Thin & Flimsy Plastic
- ✗ Prone to Damage

Image: A diagram illustrating the dimensions of the humidity dome, cell tray, drip tray, and individual cells, highlighting the enhanced growing space.

- 2. Prepare Cells:** Fill each cell with your preferred seed-starting mix. Ensure the mix is moist but not waterlogged.
- 3. Plant Seeds:** Plant your seeds according to their specific depth and spacing requirements. Use the provided planting tools for precision.
- 4. Attach Humidity Domes:** Place the clear humidity domes over the cell trays. Insert the vent caps into the designated holes on the domes.
- 5. Connect Grow Lights:** Attach the LED grow light bars to the top of the humidity domes. Connect the grow lights to the 4-way USB power cable. Plug the USB cable into a compatible USB power adapter (not included).

# 4-in-1 Smart Controller



**NOTE: Wall Adapter Not Included!**



Image: A diagram showing how the 4-in-1 smart controller connects two grow kits, with a note that the wall adapter is not included.

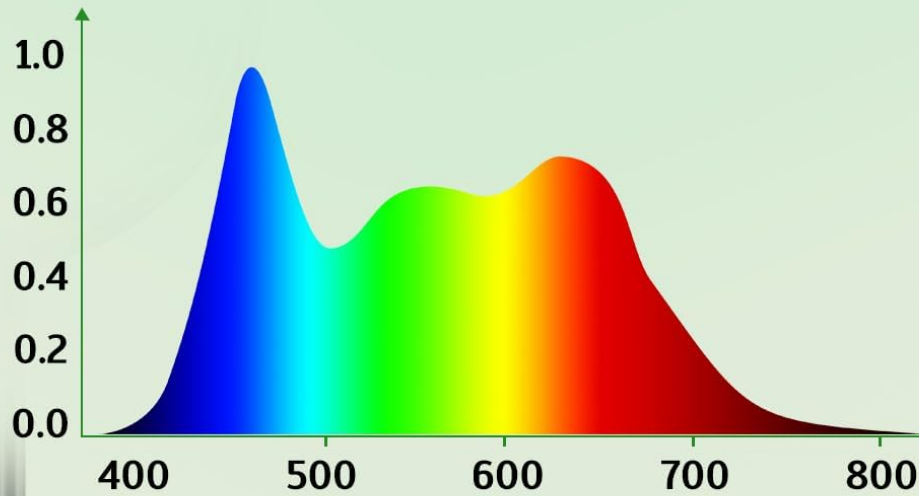
## OPERATING INSTRUCTIONS

### LED Grow Light Operation

The LED grow lights provide full-spectrum illumination to support plant growth, effectively mimicking natural sunlight to boost photosynthesis.

# Full Spectrum

Mimic natural sunlight to boost photosynthesis rates



## 5 Adjustable Brightness Settings



## 3 Timer Options



Image: An illustration detailing the full spectrum light output and the grow light controller with options for 5 adjustable brightness settings (20% to 100%) and 3 timer options (3, 9, or 12 hours).

- **Power On/Off:** Press the power button on the controller to turn the lights on or off.
- **Brightness Adjustment:** Use the '+' and '-' buttons to select one of 5 brightness levels (20%, 40%, 60%, 80%, 100%).
- **Timer Settings:** Press the timer button to set the lights to operate for 3, 9, or 12 hours. The lights will automatically turn off after the set duration and turn on again at the same time the next day.
- **Light Mode:** The controller allows switching between full light, partial light, or off modes, depending on your specific model and connection.

## Humidity Control

The 9 cm high humidity domes help maintain optimal moisture levels for germination and seedling growth.

# Adjustable Humidity Level

Create ideal growing conditions for different plants

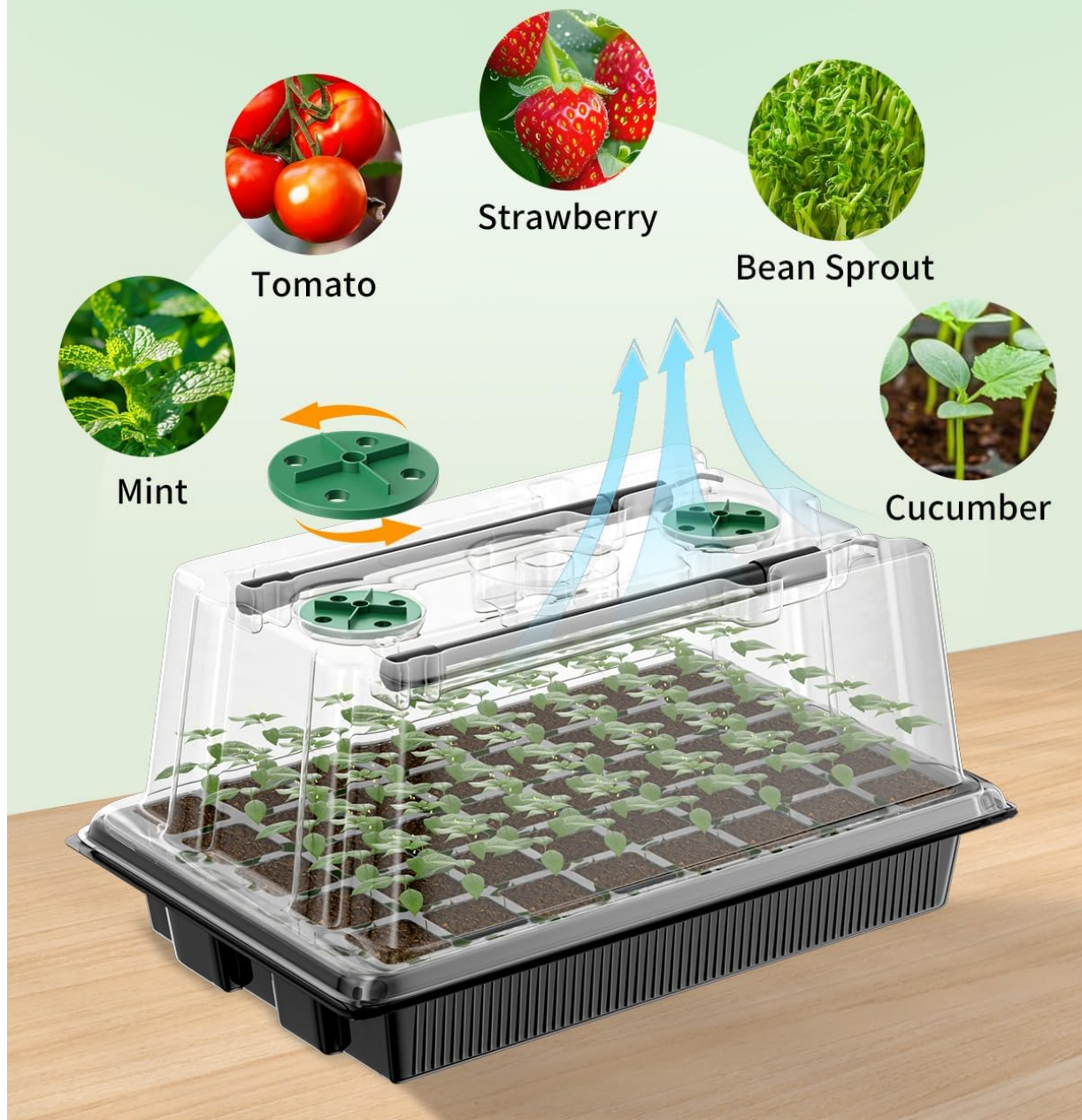


Image: An illustration demonstrating the adjustable vent caps on the humidity dome, showing how to rotate them to control internal humidity for various plants like tomatoes, strawberries, bean sprouts, mint, and cucumbers.

- **Adjusting Vents:** Rotate the vent caps on the humidity domes to adjust airflow and internal humidity. Close the vents for higher humidity (e.g., during initial germination) and open them gradually as seedlings grow to reduce humidity and promote stronger growth.
- **Monitoring Moisture:** Regularly check the soil moisture. The drip tray will collect any excess water, preventing overwatering.

## MAINTENANCE

- **Cleaning:** After each growing cycle, clean the cell trays, drip trays, and humidity domes with mild soap and water. Rinse thoroughly and allow to air dry before storage or reuse. The reinforced PVC material is

designed for durability and reuse across multiple seasons.

- **Storage:** Store all components in a clean, dry place when not in use.
- **Light Care:** Wipe the LED grow light bars with a dry, soft cloth to remove dust. Do not use abrasive cleaners or immerse them in water.

## TROUBLESHOOTING

**Lights not turning on:**

Ensure the USB power cable is securely connected to both the grow lights and a functional USB power adapter. Check if the power adapter is plugged into a live outlet.

**Seedlings are leggy (tall and thin):**

This indicates insufficient light. Increase the brightness setting of the LED grow lights or extend the timer duration. Ensure the lights are positioned appropriately close to the seedlings.

**Poor germination:**

Check seed viability, ensure proper planting depth, and verify that the soil moisture and temperature are adequate. Keep humidity dome vents closed during initial germination to maintain high humidity.

**Mold or mildew on soil surface:**

This suggests excessive humidity and poor air circulation. Open the vent caps on the humidity dome to increase airflow. Reduce watering frequency if the soil remains consistently wet.

## SPECIFICATIONS

Feature	Detail
Model Number	Pawfly-YL5411-BK
Product Dimensions	21D x 33W x 14.3H cm (per tray)
Material	Polyvinyl Chloride (PVC)
Cell Count	80 cells (40 cells per tray)
Humidity Dome Height	9 cm
Grow Light Spectrum	Full Spectrum
Brightness Levels	5 adjustable levels
Timer Options	3 hours, 9 hours, 12 hours
Power Input	USB (adapter not included)
Special Features	Self-watering (drip tray), Lighting, Mini-greenhouse

## WARRANTY AND SUPPORT

For warranty information or technical support, please contact Pawfly customer service through the retailer's platform or visit the official Pawfly website. Please have your model number (Pawfly-YL5411-BK) and purchase details ready.

