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› [POWERUP 4.0 The Next-Generation Smartphone Controlled Paper Airplane Kit, RC Controlled. Easy to Fly with Autopilot & Gyro Stabilizer. for Hobbyists, Pilots, Tinkerers. - Instruction Manual](#)

POWERUP 500-050BB

POWERUP 4.0 Instruction Manual

The Next-Generation Smartphone Controlled Paper Airplane Kit

1. INTRODUCTION

Welcome to the world of POWERUP 4.0! This kit transforms ordinary paper airplanes into advanced, smartphone-controlled flying machines. Featuring dual motors, autopilot, and a gyro stabilizer, the POWERUP 4.0 offers an unparalleled flying experience for hobbyists, pilots, and tinkerers of all ages. This manual will guide you through the setup, operation, and maintenance of your new device.

INFINITE PLANES IN 1



The POWERUP 4.0 module is versatile, allowing you to power a wide variety of paper, foam, and balsa wood airplane models.

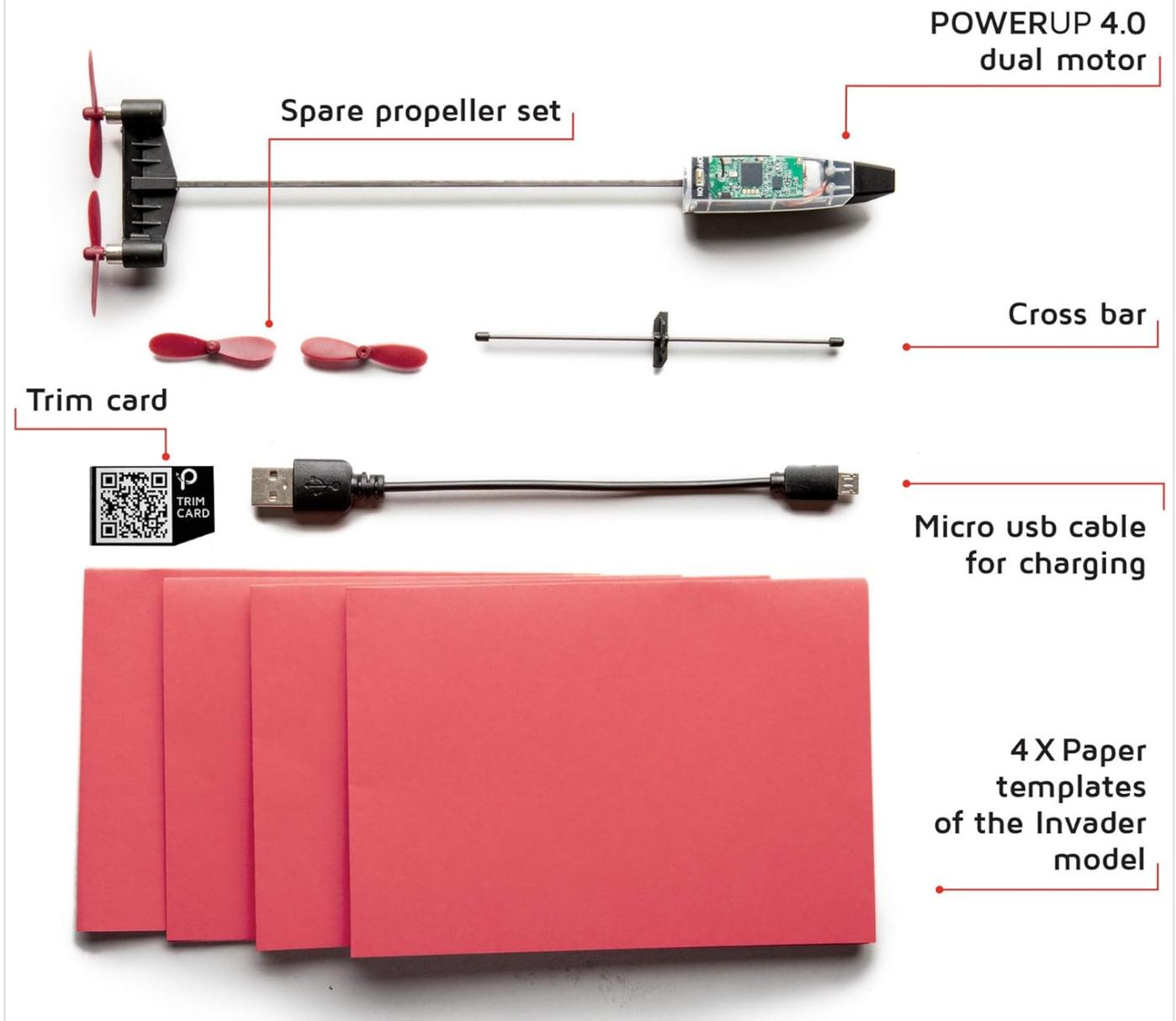
2. WHAT'S IN THE BOX

Your POWERUP 4.0 kit includes the following components:

- POWERUP 4.0 module (with dual motors)
- Four red paper plane templates (Invader model)
- Spare propeller set
- Cross bar
- Trim card
- Micro USB cable for charging

POWERUP 4.0

What's in the box

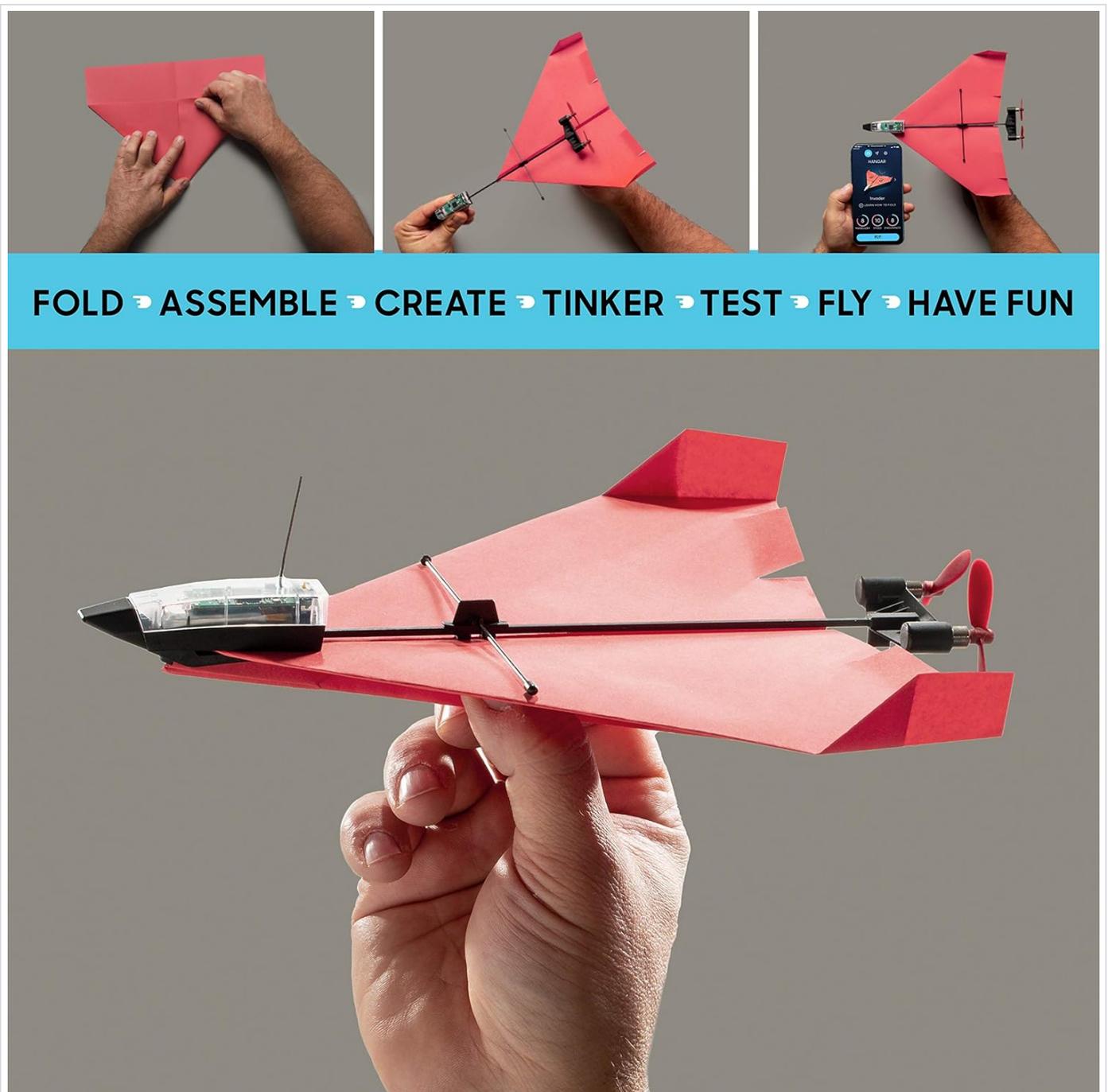


All components included in the POWERUP 4.0 kit.

3. SETUP

3.1. Assembly

1. **Fold Your Paper Airplane:** Use one of the provided paper templates or your own design. Ensure the folds are crisp and symmetrical for optimal flight performance.
2. **Attach the POWERUP 4.0 Module:** Carefully attach the POWERUP 4.0 module to your folded paper airplane according to the instructions on the template or the in-app guide. Ensure the module is securely fastened and the propellers are clear of any obstructions.
3. **Install Propellers:** Attach the propellers to the motor shafts. Note that there are distinct left and right propellers; ensure they are installed on the correct sides for proper thrust direction.

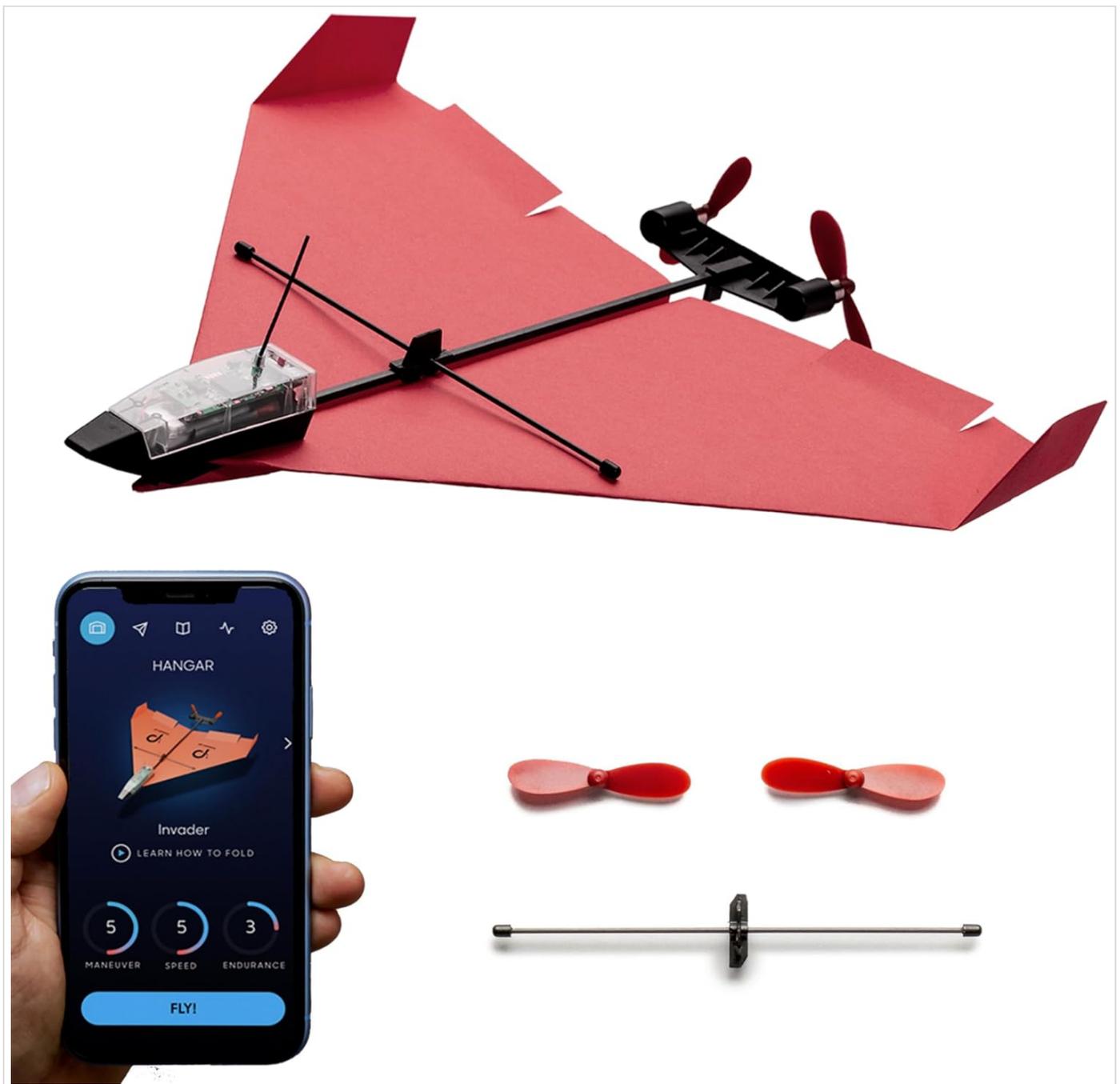


FOLD ➤ ASSEMBLE ➤ CREATE ➤ TINKER ➤ TEST ➤ FLY ➤ HAVE FUN

The simple steps to fold, assemble, and prepare your POWERUP 4.0 for flight.

3.2. App Download and Pairing

1. **Download the POWERUP App:** Search for "POWERUP" in your smartphone's app store (available for iOS and Android).
2. **Charge the Module:** Before first use, fully charge your POWERUP 4.0 module using the provided Micro USB cable. A 30-minute charge provides approximately 10 minutes of flight time.
3. **Pair with Your Smartphone:** Turn on the POWERUP 4.0 module. Open the POWERUP app on your smartphone and follow the on-screen instructions to connect via Bluetooth. The app will guide you through the pairing process.



The POWERUP 4.0 module connected to a paper airplane, ready for control via the smartphone app.

4. OPERATING

4.1. Flight Controls

The POWERUP 4.0 is controlled intuitively using your smartphone's tilt and thrust controls:

- **Thrust Control:** Use the on-screen slider or button to adjust the motor thrust. Increasing thrust will make the plane climb, while decreasing it will make it descend.
- **Steering (Tilt Control):** Tilt your smartphone left or right to steer the airplane. The built-in gyro stabilizer will assist in maintaining stable flight.

The POWERUP 4.0 features an onboard flight computer with autopilot and gyro stabilizing technology, making it easy to fly even for beginners. It automatically calibrates for imperfect weather conditions and includes a launch assist feature.



Launch and control your POWERUP 4.0 with ease using your smartphone.

4.2. Advanced Flight Modes

- **Acro Mode:** For experienced pilots, Acro Mode allows for advanced maneuvers like loops, barrel rolls, and hammerheads by reducing the automatic stabilization.
- **Flight Analytics:** The POWERUP app keeps a robust flight log, allowing you to track flight time, distance, and other metrics. You can also compete with other flyers on the leaderboard.

*New app feature: LEADERBOARD



FLY the longest! CHALLENGE your friends!

Track your flights and compete with others using the POWERUP app's leaderboard feature.

4.3. Official Product Video

Watch this video for an overview of the POWERUP 4.0's features and capabilities.

5. MAINTENANCE

5.1. Charging

To charge your POWERUP 4.0 module, connect the included Micro USB cable to the charging port on the module and a USB power source. A full charge takes approximately 30 minutes and provides up to 10 minutes of flight time.

5.2. Care and Durability

The POWERUP 4.0 module is designed with a durable carbon fiber body and a polyurethane soft tip for safety and resilience during crashes. While robust, proper care will extend its lifespan:

- Avoid flying in strong winds or confined spaces to minimize crashes.
- Inspect propellers regularly for damage and replace them if necessary using the spare set.
- Keep the module clean and free of debris.
- Store the module and paper airplanes in a safe, dry place when not in use.



Key features contributing to the durability and performance of the POWERUP 4.0.

6. TROUBLESHOOTING

If you encounter issues with your POWERUP 4.0, try the following solutions:

Problem	Possible Cause	Solution
Plane won't connect to app	Bluetooth off, low battery, app issue	Ensure Bluetooth is on, charge module, restart app/phone.
Plane flies erratically or crashes	Improper fold, propeller damage, strong wind	Check paper airplane folds for symmetry, replace damaged propellers, fly in calm conditions.
Short flight time	Module not fully charged, inefficient airplane design	Ensure module is fully charged. Experiment with different paper airplane designs for better aerodynamics.
Propellers not spinning	Obstruction, loose connection, motor issue	Check for debris around propellers. Ensure module is securely attached. If issue persists, contact support.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	7.5 x 0.71 x 1.5 inches

Feature	Detail
Item Weight	0.67 ounces
Item Model Number	500-050BB
Manufacturer Recommended Age	8 years and up
Batteries	1 Lithium Polymer battery (included)
Wireless Communication	Bluetooth (approximate range: 230ft / 70 meters)
Max Speed	Up to 20mph (9m/sec)
Motor Type	High speed 40K RPM micro motors
Manufacturer	Tailor Toys LLC

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The POWERUP 4.0 comes with a **2-year warranty**. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For further assistance, technical support, or warranty inquiries, please visit the official POWERUP website or contact their customer service. You can also find additional resources and community forums via the POWERUP app.

Visit the [POWERUP Store on Amazon](#) for more products and information.

For additional folding instructions and tips, visit: <http://t.amazon.biz/sBnyTa>