STASRC GT POWER

GT Power High Power 3W Flight Simulated and Flashing Light System for RC Airplanes

Model: GT POWER

Introduction

This instruction manual provides comprehensive guidance for the installation, operation, and maintenance of your GT Power High Power 3W Flight Simulated and Flashing Light System. This system is designed to enhance the realism and visibility of your RC airplanes and fixed-wing aircraft by simulating standard aircraft lighting patterns. Please read this manual thoroughly before use to ensure correct setup and optimal performance.

Product Overview

The GT Power Flight Simulated and Flashing Light System is engineered to replicate authentic aircraft lighting. It features:

- **Realistic Lighting:** Designed to meet aircraft lighting standards, providing a more authentic appearance for your model.
- **Eight Light Group Interfaces:** Includes dedicated interfaces for various lights such as red anti-collision lights, flashing lights, navigation lights (red for left, green for right), and landing lights.
- **Eight Operating Modes:** Offers multiple lighting patterns that can be selected via a switched channel on your remote control.
- **Low Voltage Detection:** An integrated function that causes all lights to flash when the battery voltage drops below 6.8V, signaling a need for battery attention.



Image: Overview of the GT Power Flight Simulated and Flashing Light System components, showing the control box, various wiring harnesses, and individual LED light modules.

What's in the Box

Your package should contain the following items:

- GT Power Flight Simulated and Flashing Light System (Main Control Unit)
- Assorted LED light modules (strobe, beacon, navigation, landing lights)
- Connection wires and cables
- Instruction Manual
- Mounting accessories (e.g., double-sided tape)

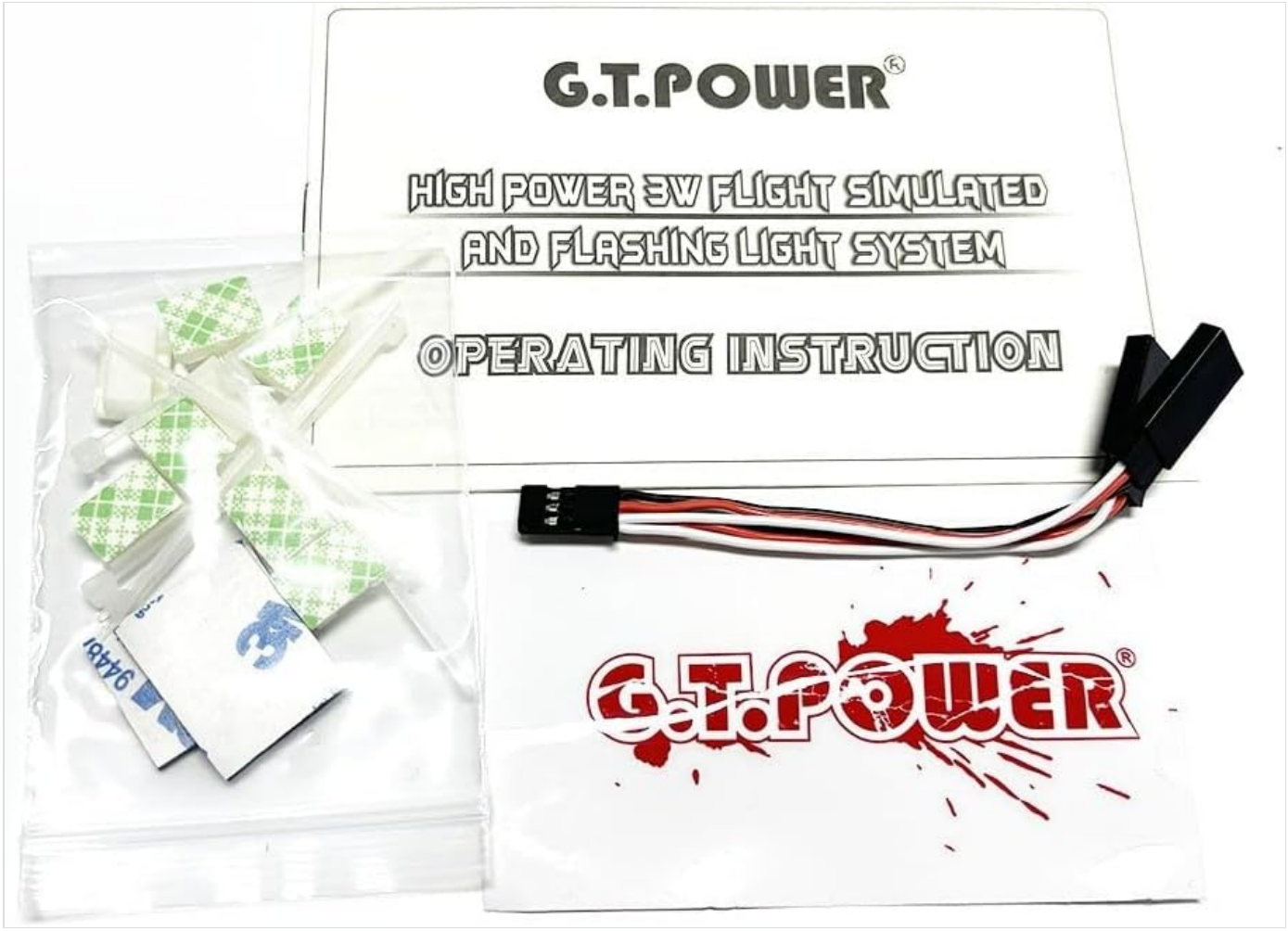


Image: Contents of the product package, showing the instruction manual, various connection wires, and adhesive mounting pads.

Specifications

Feature	Detail
Model Number	GT POWER
Product Dimensions	2.54 x 7.62 x 5.08 cm
Materials	Metal, Plastic
Color	Black
Low Voltage Detection Threshold	6.8V
Number of Operating Modes	8

Setup and Installation

Follow these steps to properly install the light system on your RC aircraft:

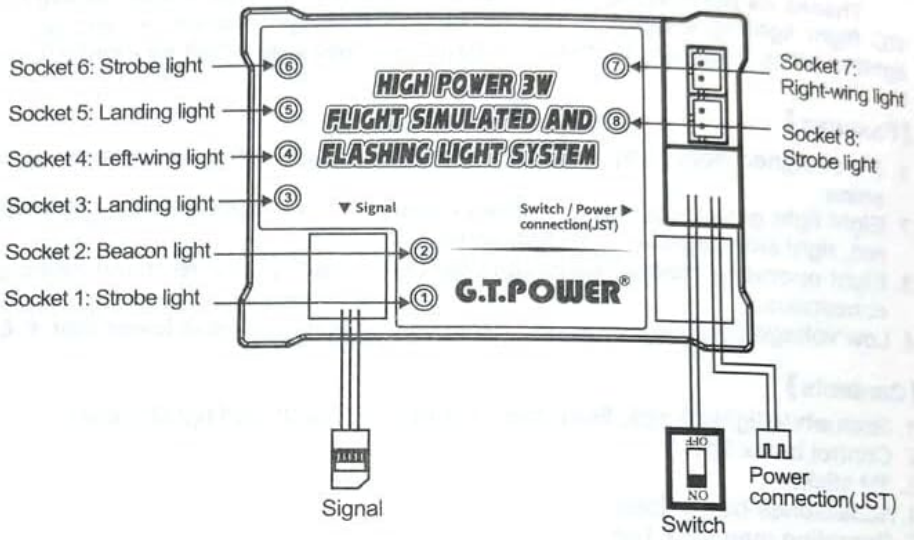
1. **Check Components:** Verify that all accessories and parts listed in the "What's in the Box" section are present and undamaged.
2. **Connect to Receiver:** Use the provided connection wire to link the light system's signal input to an available switched channel on your RC receiver. This channel will be used to cycle through the operating modes.
3. **Connect Light Modules:** Plug each individual LED light module into its corresponding socket on the main control

box. Refer to the connection diagram below for correct placement of strobe, beacon, navigation, and landing lights.

4. **Mount Control Box:** Securely attach the main control box to a suitable, flat surface on your aircraft using the provided adhesive pads or other appropriate mounting methods. Ensure it is in a location that does not interfere with other aircraft components or flight dynamics.
5. **Secure Wiring:** Carefully route and fix all light wires to prevent them from interfering with moving parts (e.g., propellers, control surfaces) or other electronic components. Use cable ties or tape as needed.
6. **Final Check:** Before powering on, double-check all connections and ensure that all wires are securely fixed and correctly routed.

【Main control box】

Socket 1: Strobe light
Socket 2: Beacon light
Socket 3: Landing light
Socket 4: Left-wing light
Socket 5: Landing light
Socket 6: Strobe light
Socket 7: Right-wing light
Socket 8: Strobe light

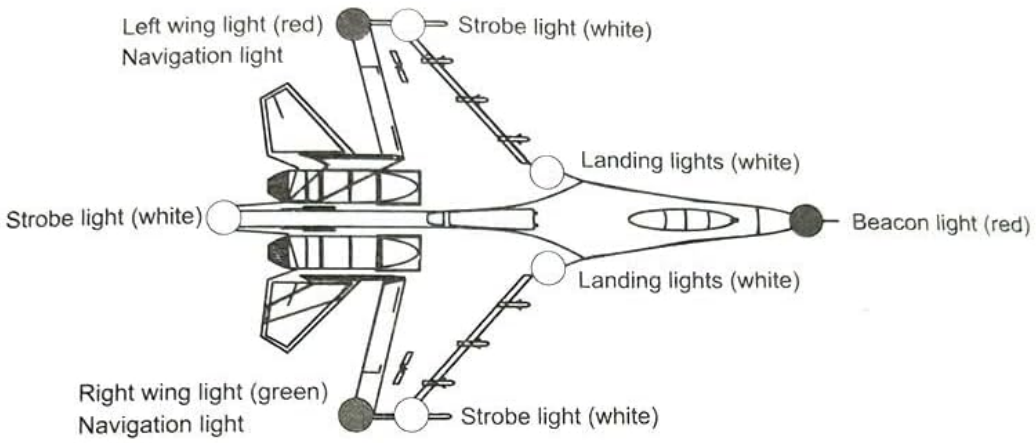


【How to install】

1. First of all check accessories to make sure all the parts are included.
2. Use the connect wire to switch the channel of remote control.
3. Connect each light wire to the corresponding socket in control box according to the requirements of control.
4. Stick main control box on the suitable position of the aircraft.
5. Make all the light wires fixed to avoid the interference between light wires and other parts of the aircraft.
6. Fix all the wires and check whether they are set correctly.

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【Connection diagram of the light location】



LED light could be installed flexibly, according to your preference.

【Product model】

After connecting the wires, enter the operating modes. Through the control of remote control switch can enter into the 8 operating modes.

Mode 1: Civil aviation standards; the left red light and the right green light are always on, the flashing lights are flashing in highest speed, the beacon light is flashing in highest speed at a certain frequency, the landing lights are off or on circularly.

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Image: Installation diagram illustrating the connection points on the main control box and a visual representation of where each light type (strobe, beacon, navigation, landing) should be placed on a fixed-wing aircraft.

Operating Instructions

Once the system is installed and connected, you can operate it using your RC transmitter:

- **Power On:** Connect your aircraft's main battery. The light system will power on automatically.
- **Mode Selection:** Use the assigned switched channel on your remote control to cycle through the 8 available

operating modes. Each flick of the switch will advance to the next mode.

- **Example Mode (Civil Aviation Standards):** In this mode, the left wing's red navigation light and the right wing's green navigation light remain constantly on. Strobe lights flash at their highest speed, beacon lights flash at a specific high frequency, and landing lights can be cycled on or off.
- **Low Voltage Warning:** If the aircraft's battery voltage drops below 6.8V, all lights connected to the system will begin to flash rapidly, indicating that the battery needs attention or replacement.

Maintenance

To ensure the longevity and reliable performance of your light system, consider the following maintenance tips:

- **Regular Inspection:** Periodically check all wiring for signs of wear, fraying, or loose connections. Ensure all light modules are securely attached.
- **Cleaning:** Keep the LED lenses and control box free from dirt, dust, and moisture. Use a soft, dry cloth for cleaning. Avoid harsh chemicals.
- **Storage:** When not in use for extended periods, store the aircraft and its light system in a dry, cool environment, away from direct sunlight and extreme temperatures.
- **Battery Health:** Always ensure your aircraft's battery is in good condition and charged appropriately to avoid triggering the low voltage warning prematurely.

Troubleshooting

If you encounter issues with your light system, refer to the following common problems and solutions:

- **Lights Not Turning On:**
  - Check all power connections to the main control box and the aircraft's battery.
  - Ensure the signal wire from the control box is correctly plugged into the receiver and that the receiver is powered.
  - Verify that the assigned channel on your transmitter is functioning correctly.
- **Some Lights Not Working:**
  - Inspect the specific light module and its connection to the control box. Ensure it is fully seated in the correct socket.
  - Check the wiring for any damage or breaks.
- **Lights Flashing Constantly (Low Voltage Warning):**
  - This indicates the aircraft's battery voltage is below 6.8V. Recharge or replace the battery immediately.
- **Incorrect Light Patterns:**
  - Ensure the light modules are connected to the correct sockets on the control box as per the installation diagram.
  - Cycle through the operating modes using your transmitter to see if the desired pattern appears.

Warranty and Support

Specific warranty information for the GT Power High Power 3W Flight Simulated and Flashing Light System is not provided in this manual. For details regarding warranty coverage, technical support, or replacement parts, please contact the manufacturer, STASRC, or your authorized retailer directly. Keep your proof of purchase for any warranty claims.

Manufacturer: STASRC
Model: GT POWER