BUSSGO X11C

BUSSGO RC Helicopter X11C Instruction Manual

Model: X11C

1. Introduction

This manual provides essential information for the safe operation, setup, and maintenance of your BUSSGO RC Helicopter Model X11C. Please read this manual thoroughly before operating the helicopter to ensure proper function and to prevent damage or injury. Retain this manual for future reference.

Image 1.1: The BUSSGO RC Helicopter X11C, its remote control, and two modular batteries.

2. Package Contents

Verify that all items listed below are included in your package:

- BUSSGO RC Helicopter X11C
- Remote Control
- Modular Batteries (2 included)
- USB Charging Cable
- Spare Propellers (if included, check packaging)
- Instruction Manual (this document)

Image 2.1: Visual representation of the helicopter, remote, and batteries as typically found in the package.

3. Safety Information

Adhering to these safety guidelines is crucial for preventing injury and damage to the product.

- **Age Recommendation:** This product is recommended for users 8 years and up.
- **Indoor Use:** The helicopter is designed primarily for indoor use. Avoid flying in windy conditions outdoors.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. The propellers rotate at a reasonable speed, but caution is advised.
- **Battery Safety:**
  - Use only the provided charging cable and batteries.
  - Do not overcharge batteries. The charging system includes protection against over-charge, over-current, and low voltage.
  - Do not expose batteries to extreme temperatures or direct sunlight.
  - If a battery is damaged or swollen, discontinue use immediately.
- **Collision Prevention:** While the helicopter features a sturdy PVC body and alloy structure for

durability, avoid intentional collisions.

- **Signal Interference:** The 2.4Ghz frequency provides a long transmission distance and anti-interference capabilities, allowing multiple 2.4Ghz RC toys to operate without interference.

4. Setup

4.1. Battery Charging

1. Connect the modular battery to the USB charging cable.
2. Plug the USB cable into a compatible USB power source (e.g., computer, USB wall adapter).
3. The indicator light on the battery will be **OFF** during charging.
4. The indicator light will turn **ON** when the battery is fully charged.
5. A full charge provides approximately 15-17 minutes of flight time per battery. Two batteries are included for extended play.

Image 4.1: The two modular batteries included with the helicopter.

4.2. Battery Installation

- **Helicopter Battery:** Carefully insert a charged modular battery into the battery compartment located on the underside of the helicopter. Ensure it clicks securely into place.
- **Remote Control Batteries:** Open the battery cover on the back of the remote control. Insert 3x AAA batteries (not included), observing the correct polarity (+/-). Close the cover.

4.3. Remote Pairing

1. Ensure the helicopter's battery is installed and the helicopter is placed on a flat, level surface.
2. Turn on the helicopter's power switch. The helicopter's lights will flash.
3. Turn on the remote control. The remote's indicator light will flash.
4. Push the left joystick (throttle) all the way up, then pull it all the way down.
5. Both the helicopter's lights and the remote's indicator light will become solid, indicating successful pairing.

Image 4.2: The 2.4GHz remote control for the helicopter.

5. Operating Instructions

5.1. Basic Controls

- **Ascend/Descend:** Use the left joystick (throttle) to control altitude. Push up to ascend, pull down to descend.
- **Forward/Backward:** Use the right joystick to move the helicopter forward or backward.
- **Turn Left/Right:** Use the right joystick to turn the helicopter left or right.

5.2. One-Key Take-off/Landing

Press the one-key take-off/land button on the remote control. The helicopter will automatically ascend to a stable hovering height or descend gently for landing.

Image 5.1: The helicopter initiating a one-key take-off from a marked pad.

5.3. Altitude Hold

The upgraded Gyro system allows the helicopter to maintain a stable hover when the left joystick is released. This feature simplifies control and provides a steady flight experience.

Image 5.2: The helicopter demonstrating its altitude hold capability, hovering steadily.

5.4. Speed Settings

The helicopter features customizable speed settings to accommodate different skill levels. Refer to the remote control diagram (if provided in packaging) for the speed adjustment button.

5.5. Demo Mode

Activate the demo mode for automated flight patterns. The helicopter can perform auto-rotation or circle fly, providing an engaging display.

Image 5.3: The helicopter executing auto-rotation and circle fly maneuvers in demo mode.

5.6. LED Light Modes

The helicopter is equipped with brilliant LED lights that can change into 7 attractive colors, enhancing the visual experience during flight.

Image 5.4: The helicopter showcasing its 7-color LED light feature.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the helicopter. Avoid using water or chemical cleaners.
- **Propeller Replacement:** In case of damage, replace propellers with spare parts. Ensure the new propellers are installed correctly according to their designated positions (e.g., A and B blades).
- **Storage:** When not in use, store the helicopter and remote control in a cool, dry place, away from direct sunlight. Remove batteries from the remote control for long-term storage.

Image 6.1: Details of the helicopter's alloy structure and flexible propellers, highlighting durability.

7. Troubleshooting

Problem	Possible Cause	Solution
Helicopter does not respond to remote.	Not paired; remote batteries low; helicopter battery low.	Re-pair the remote and helicopter. Replace remote batteries. Charge helicopter battery.
Helicopter flies erratically or drifts.	Uncalibrated gyroscope; damaged propeller; strong air currents.	Ensure helicopter is on a flat surface during power-on. Check for damaged propellers and replace if necessary. Fly in calm indoor environments.
Short flight time.	Battery not fully charged; old battery.	Ensure battery is fully charged (indicator light ON). Consider replacing old batteries if performance degrades significantly.

Problem	Possible Cause	Solution
Low battery alert.	Helicopter battery is low.	Land the helicopter immediately and replace with a charged battery or recharge the current one.

8. Specifications

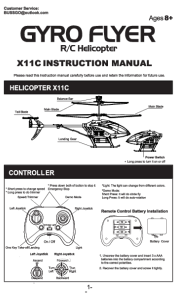
- **Model:** X11C
- **Brand:** BUSSGO
- **Dimensions (L x W x H):** Approximately 8.5 x 4.8 x 7.5 inches
- **Item Weight:** 1.44 ounces
- **Control Frequency:** 2.4 GHz
- **Flight Time:** 15-17 minutes per battery (30-34 minutes with two batteries)
- **Batteries:** 1 Lithium Polymer battery required (included, 2 provided)
- **Recommended Age:** 8 years and up
- **Features:** Altitude Hold, One-Key Take-off/Landing, 2 Speed Modes, 7+1 LED Light Modes, Demo Mode (Auto-rotation, Circle Fly)

Image 8.1: Product dimensions of the BUSSGO RC Helicopter X11C.

9. Warranty and Support

For warranty information, technical support, or replacement parts, please contact BUSSGO customer service through the retailer where the product was purchased or refer to the contact information provided in the product packaging.
Please have your model number (X11C) and purchase details ready when contacting support.

Related Documents - X11C

	Gyro Flyer X11C R/C Helicopter Instruction Manual Comprehensive instruction manual for the Gyro Flyer X11C R/C Helicopter, covering charging, flight instructions, controls, safety precautions, and regulatory information.
	TOY-MTX Instructions: Binding Procedure and Protocol Selection for RC Drones Comprehensive guide to binding the TOY-MTX transmitter module with various RC drone models, detailing protocol selection based on stick positions and listing extra aircraft features.