Futaba FUTK7004

Futaba 7C 2.4GHz AIR TX/RX Transmitter Instruction Manual

Model: FUTK7004

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your Futaba 7C 2.4GHz AIR TX/RX Transmitter. The Futaba 7C utilizes Futaba's advanced FASST (Futaba Advanced Spread Spectrum Technology), which rapidly shifts frequencies to virtually eliminate signal conflicts and interruptions, ensuring reliable control.

Please read this manual thoroughly before using the product to ensure proper setup and operation.

Included Components:

- Futaba 7C 2.4GHz Transmitter
- R617FS FASST 7-Channel Receiver (FUTL7627)
- FBC-19B(4) 120V AC Battery Charger (FUTM1830)
- NT8S600B 600mAh 9.6V NiCd Transmitter Battery (FUTM1457)
- Switch Harness with Charge Cord (FUTM4370)
- Black Transmitter Neck Strap (FUTM5690)
- Instruction Manual (this document)

Front view of the Futaba 7C 2.4GHz AIR TX/RX Transmitter, showing the dual joysticks, various switches, power button, alarm indicator, and the digital display screen at the bottom. This image illustrates the primary controls and display of the unit.

2. SETUP

2.1. Battery Charging

Before initial use, fully charge the included NT8S600B 9.6V NiCd transmitter battery using the FBC-19B(4) 120V AC Battery Charger. Connect the charger to the charging port on the transmitter. Refer to the charger's specific instructions for charging times and indicators. Ensure the transmitter is turned OFF during charging.

2.2. Transmitter Battery Installation

Open the battery compartment on the back of the transmitter. Carefully insert the charged NT8S600B battery, ensuring correct polarity. Close the battery compartment securely.

2.3. Receiver Binding (Linking)

To establish communication between the transmitter and the R617FS receiver, a binding procedure is required. This typically involves placing the receiver into bind mode (often by pressing a button or inserting a bind plug) and then powering on the transmitter in a specific sequence. Consult the detailed instructions provided with the R617FS receiver for the exact binding procedure.

2.4. Servo and Power Connections

Connect your chosen servos to the appropriate channels on the R617FS receiver. Ensure that the servo connectors are inserted with the correct orientation. A receiver battery (not included) is required to power the receiver and servos. Connect the switch harness with charge cord (FUTM4370) to the receiver's battery port and the battery.

3. OPERATING INSTRUCTIONS

3.1. Powering On/Off

To power on the transmitter, slide the "Power" switch to the ON position. The display will illuminate. To power off, slide the "Power" switch to the OFF position. Always power on the transmitter before the receiver and power off the receiver before the transmitter.

3.2. Basic Controls

- **Joysticks:** Control primary flight surfaces (aileron, elevator, rudder, throttle).
- **Switches (A, B, C, D, VR CH.6):** Assignable switches for various functions such as flaps, landing gear, or dual rates. Refer to the programming section for assignment.
- **Digital Display:** Shows model memory, timer, battery voltage, and programming parameters.
- **Mode/Page & End Buttons:** Used for navigating through menus and confirming/canceling selections.
- **Select (Cursor) & Press Dial:** Used for selecting menu items and adjusting values.

3.3. Computerized Airplane System Programming

The Futaba 7C features a computerized airplane system allowing for advanced programming. This includes:

- Model Memory: Store settings for multiple aircraft.
- Dual Rates & Exponential: Adjust control sensitivity.
- Servo Reversing: Change servo direction.
- Sub-Trim: Fine-tune servo neutral positions.
- End Point Adjustment (EPA): Set maximum servo travel.
- Mixes: Create custom control mixes (e.g., flaperon, V-tail).

Detailed instructions for programming specific functions are provided in the comprehensive manual that accompanies the product. It is highly recommended to familiarize yourself with these features before attempting advanced flight maneuvers.

4. MAINTENANCE

4.1. Battery Care

- Always fully charge the transmitter battery before use.
- Do not overcharge or deep discharge NiCd batteries.
- If storing for extended periods, charge the battery to approximately 50% capacity.
- Replace the battery if it shows signs of damage or significantly reduced capacity.

4.2. Cleaning

Clean the transmitter's exterior with a soft, dry cloth. Do not use solvents or abrasive cleaners. Keep the display screen free of dust and smudges.

4.3. Storage

Store the transmitter in a cool, dry place, away from direct sunlight, extreme temperatures, and high humidity. Protect it from physical shocks and vibrations. Remove the battery if storing for very long periods (several months or more).

5. TROUBLESHOOTING

- **Transmitter does not power on:** Check if the battery is charged and correctly installed. Ensure the power switch is fully engaged.
- **No control of aircraft:** Verify that the receiver is powered on and properly bound to the transmitter. Check all servo connections. Ensure the transmitter battery has sufficient charge.
- **Erratic control or short range:** Check for potential interference sources. Ensure the transmitter antenna is fully extended and oriented correctly. Re-bind the receiver if necessary.
- **Display issues:** If the display is dim or unreadable, check battery voltage.

For more detailed troubleshooting steps and advanced issues, please refer to the comprehensive instruction manual provided with your Futaba 7C system or visit the official Futaba support website.

## 6. SPECIFICATIONS

Model Number	FUTK7004
ASIN	B001BC7ULS
Manufacturer	Hobbico Inc
Product Dimensions	40.64 x 26.04 x 12.07 cm (16 x 10.25 x 4.75 inches)
Item Weight	1.36 kg (3 lbs)
First Available Date	August 8, 2012

7. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty card included with your product or visit the official Futaba website. Warranty terms and conditions may vary by region.

For technical support, frequently asked questions, and additional resources, please visit the official Futaba support portal or contact their customer service directly. Contact information can typically be found on the manufacturer's website.

Related Documents - FUTK7004

	[Futaba 8J-2.4GHz 8-Channel Radio Control System Instruction Manual](#) Comprehensive instruction manual for the Futaba 8J-2.4GHz 8-Channel Radio Control System. Covers setup, operation, programming, and safety for both ACRO (airplane) and HELI modes.
	[Futaba 4EX 4-Channel FM Radio Control System Instruction Manual](#) Comprehensive instruction manual for the Futaba 4EX 4-channel FM radio control system for aircraft. Covers setup, programming, safety guidelines, and accessories for RC model enthusiasts. Visit http://www.futaba-rc.com for updates.
	[Futaba T6K-V3S Software-Update und Neue Funktionen](#) Diese Anleitung beschreibt die Software-Updates und neuen Funktionen für den Futaba T6K-V3S RC-Sender, einschließlich Verbesserungen für Segler und die Governor-Funktion für Helikopter.
	[JUMPER JP4IN1 Multiprotocol Module: Features, Modes, and Protocol Support](#) Comprehensive guide to the JUMPER JP4IN1 Multiprotocol Module, detailing its features, parameters, serial and PPM modes, bind operations, and extensive protocol support for RC radios.
	[Futaba T6K Transmitter Software Update Manual](#) A comprehensive guide to updating the software for the Futaba T6K transmitter, detailing the necessary hardware, preparation steps, update procedure, and troubleshooting.
	[Futaba T26SZ　　　　　](#) Futaba T26SZ

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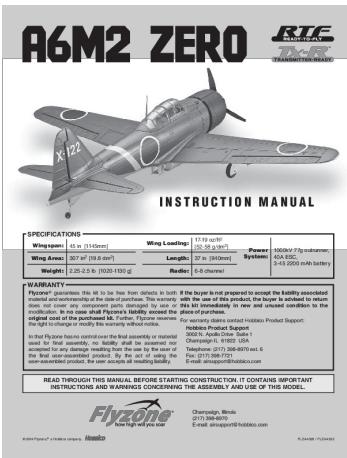
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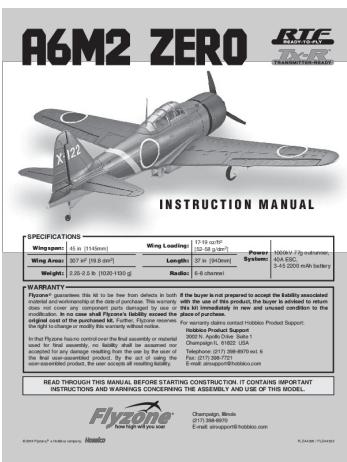
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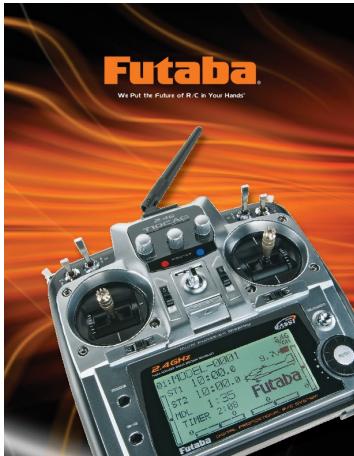
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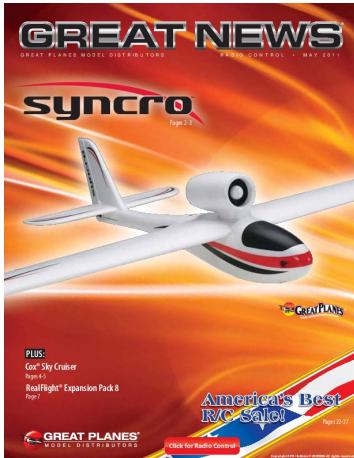
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