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Futaba 3PV

Futaba 3PV 2.4 GHz Radio Control System User Manual

Model: 3PV | Brand: Futaba

1. INTRODUCTION

The Futaba 3PV 2.4 GHz Radio Control System is designed for precise control of RC cars and boats. It features FHSS/S-FHSS/T-FHSS transmission options, offering a rapid 3 ms response speed for enhanced control. The ergonomic design ensures comfortable and intuitive operation, with a large LCD screen for easy navigation through programming menus.

This manual provides essential information for setting up, operating, and maintaining your Futaba 3PV system.



Figure 1: The Futaba 3PV 2.4 GHz Radio Control System, including the transmitter and R203GF receiver.

2. SAFETY INFORMATION

Warning: Not suitable for children under 36 months. Contains small parts. Choking hazard.

- Always operate your RC model in a safe and responsible manner.
- Ensure batteries are correctly installed and charged before use.
- Keep the radio control system away from water and extreme temperatures.
- Do not attempt to modify the transmitter or receiver.

3. SETUP

3.1 Components Overview

The Futaba 3PV system typically includes the 3PV transmitter and an R203GF 3-channel receiver.



Figure 2: The Futaba R203GF 2.4 GHz S-FHSS 3-channel receiver.

3.2 Binding the Receiver

1. Ensure the transmitter is turned off.
2. Connect the receiver to a power source (e.g., ESC with BEC or a separate receiver battery).
3. Press and hold the Link button on the receiver while turning on the receiver power. The LED on the receiver will start blinking.
4. Turn on the transmitter.
5. The LED on the receiver should turn solid green, indicating a successful bind.
6. If the LED does not turn solid green, repeat the binding process.

3.3 Initial Control Setup

- Install servos for steering and throttle into the appropriate channels on the receiver (Channel 1 for steering, Channel 2 for throttle).
- Ensure all linkages are free and move smoothly.
- Center all trims on the transmitter before powering on the model.

4. OPERATING INSTRUCTIONS

The Futaba 3PV offers a range of adjustable parameters for fine-tuning your model's performance.



Figure 3: Close-up view of the Futaba 3PV steering wheel and digital trim buttons.

4.1 Basic Controls and Trims

- **Steering Wheel:** Controls the direction of the model.
- **Throttle Trigger:** Controls forward and reverse speed.
- **Digital Trims:** Located around the steering wheel, these adjust the neutral position of steering, throttle, and channel 4 servos.
- **SW1 Switch:** Used for programming functions of the third channel.

4.2 Advanced Programming Features

Access the programming menu via the LCD screen to adjust the following:

- **Model Memory:** Store settings for up to 10 different models. Each model can be named (4 characters).
- **Dual Rate Steering:** Adjust the maximum steering angle.
- **End Point Adjustment (EPA):** Set the maximum travel for steering, throttle, Channel 3, and Channel 4 servos.

- **Servo Reversing:** Change the direction of servo movement for steering, throttle, Channel 3, and Channel 4.
- **Exponential (EXP):** Adjust the sensitivity of steering and throttle around the center point.
- **Throttle Failsafe:** Program a safe throttle position in case of signal loss.
- **ABS Function:** Simulate anti-lock braking for improved control during braking.
- **4WS/Brake Mixing:** For models with four-wheel steering or advanced braking systems.
- **Link Mode:** (T-FHSS only) Specific linking options for T-FHSS receivers.
- **Model Data Copy:** Transfer settings between model memories.

4.3 Automatic Shutdown

The transmitter features an automatic shutdown function after 10 minutes of inactivity to conserve battery life.

5. MAINTENANCE

- **Cleaning:** Wipe the transmitter and receiver with a soft, dry cloth. Avoid using solvents or harsh chemicals.
- **Battery Care:** The system includes a low battery alarm. Replace or recharge batteries promptly when the alarm sounds. Store the transmitter with batteries removed if not used for extended periods.
- **Storage:** Store the radio control system in a cool, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

- **No Power:** Check battery installation and charge level. Ensure the power switch is in the ON position.
- **No Response from Model:**
 - Verify the receiver is correctly bound to the transmitter (solid green LED on receiver).
 - Check all connections between the receiver, servos, and ESC.
 - Ensure the model's power source is connected and charged.
- **Erratic Control or Signal Loss:**
 - Ensure the transmitter and receiver antennas are positioned correctly and not obstructed.
 - Avoid operating in areas with high radio interference.
 - Check for loose connections or damaged wiring.
 - Re-bind the receiver if necessary.
- **Servos Not Centering:** Adjust the digital trims on the transmitter. If the issue persists, check servo linkages for binding or damage.

7. SPECIFICATIONS

Brand	Futaba
Model Number	P-CB3PV
Modulation	FHSS/S-FHSS/T-FHSS
Receiver Included	R203GF (3+1 Channels)
Model Memory	10

Response Speed	3 ms
LCD Screen Size	1800 mm ²
Power Source	Battery Powered (Batteries not included)
Material	Plastic
Dimensions (Item)	30 x 15 x 20 cm
Color	Black
Operating Mode	Manual
Recommended Usage	Outdoor

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service, please refer to the official Futaba website or contact your authorized Futaba dealer. Specific warranty terms may vary by region and retailer.

No official product videos from the seller were found for this product.

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