

Kyosho KYO10751RS

Kyosho Piper Cherokee Readysset Instruction Manual

Model: KYO10751RS

1. INTRODUCTION

Thank you for purchasing the Kyosho Piper Cherokee Readysset. This manual provides essential information for the safe assembly, operation, and maintenance of your 1/24 scale remote-controlled aircraft. Please read this manual thoroughly before operating the model to ensure proper function and longevity.

2. SAFETY INFORMATION

Operating remote-controlled aircraft requires caution. Failure to follow safety guidelines can result in injury or damage to property. Always observe the following:

- Operate in open areas, away from people, animals, and obstacles.
- Do not fly near power lines, roads, or water bodies.
- Ensure batteries are fully charged before each flight.
- Always turn on the transmitter first, then the aircraft. Turn off the aircraft first, then the transmitter.
- Inspect the aircraft for damage before and after each flight.
- Keep fingers and loose clothing away from propellers.
- Adult supervision is recommended for younger operators.

3. PACKAGE CONTENTS

Verify that all components are present in your Kyosho Piper Cherokee Readysset package:

- Piper Cherokee aircraft (pre-assembled)
- PERFEX KT-20 2.4GHz 4-channel MINIUM AD Special R/C System transmitter
- Flight battery (pre-installed or separate)
- USB charger (if included)

- Instruction Manual (this document)

Required for Operation (Not Included):

- 4 "AA" alkaline batteries for the transmitter

4. SETUP

4.1 Transmitter Battery Installation

1. Open the battery compartment cover on the back of the PERFEX KT-20 transmitter.
2. Insert four (4) "AA" alkaline batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

4.2 Aircraft Battery Charging

The flight battery requires charging before first use. A full charge takes approximately 20 minutes.

1. Connect the flight battery to the provided charger.
2. Connect the charger to a suitable power source (e.g., USB port).
3. Observe the charger's indicator light (refer to charger manual for specific light patterns).
4. Disconnect the battery once charging is complete. Do not overcharge.

4.3 Binding (Pairing) the Transmitter and Aircraft

Your Readysset aircraft and transmitter are typically pre-bound from the factory. If re-binding is necessary, follow these general steps:

1. Ensure the transmitter batteries are installed and the transmitter is OFF.
2. Connect the flight battery to the aircraft.
3. Turn ON the transmitter while holding the bind button (if present, refer to transmitter manual).
4. The aircraft's receiver light should indicate a successful bind (e.g., solid light).
5. Turn off both the aircraft and transmitter, then power them on in the correct sequence (transmitter first, then aircraft) to confirm binding.



Figure 1: The Kyosho Piper Cherokee Readysset, available in red or blue color schemes. This image displays the compact size and design of the remote-controlled aircraft, highlighting its wingspan and overall structure.

5. OPERATING INSTRUCTIONS

5.1 Pre-Flight Checks

- Ensure all control surfaces (ailerons, elevator, rudder) move freely and correctly in response to transmitter inputs.
- Check propeller for damage and ensure it is securely attached.
- Verify flight battery is fully charged and securely installed.
- Confirm transmitter batteries have sufficient power.
- Check weather conditions; avoid flying in strong winds or rain.

5.2 Take-Off

For hand-launching:

1. Hold the aircraft firmly with one hand, away from the propeller.
2. Apply full throttle with the transmitter.
3. Gently toss the aircraft forward and slightly upwards into the wind.
4. Immediately gain altitude and establish stable flight.

5.3 Flight Controls

The PERFEX KT-20 2.4GHz 4-channel system provides control over:

- **Throttle:** Controls motor speed and altitude.
- **Elevator:** Controls pitch (nose up/down).
- **Ailerons:** Controls roll (wing tilt for turns).
- **Rudder:** Controls yaw (nose left/right).

Practice gentle control inputs, especially during initial flights, to familiarize yourself with the aircraft's response.

5.4 Landing

1. Approach the landing area into the wind.
2. Gradually reduce throttle and maintain a controlled descent.
3. Use elevator to flare (gently raise the nose) just before touchdown to reduce speed and achieve a soft landing.
4. Cut throttle completely upon touchdown.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your Piper Cherokee.

- **Cleaning:** Wipe down the aircraft with a soft, dry cloth after each flight to remove dirt and debris.
- **Propeller:** Inspect the propeller for cracks or damage. Replace if necessary.
- **Control Surfaces:** Check hinges and linkages for wear or looseness. Ensure smooth movement.
- **Battery Care:** Store flight batteries at a partial charge (around 3.8V per cell for LiPo) if not used for extended periods. Do not store fully charged or fully discharged.
- **Storage:** Store the aircraft in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Aircraft does not respond to transmitter.	Transmitter or aircraft battery low/dead; not bound; power switch off.	Charge/replace batteries; re-bind transmitter and aircraft; ensure power is on.
Aircraft flies erratically or drifts.	Trim settings incorrect; control surfaces damaged; windy conditions.	Adjust trim on transmitter; inspect and repair control surfaces; fly in calmer conditions.
Motor not spinning or weak.	Flight battery low; propeller obstructed; motor/ESC issue.	Charge flight battery; clear propeller; contact support if issue persists.
Control surface (e.g., elevator, aileron) does not move or spins freely.	Servo failure or damage.	Inspect servo linkage. Note: For this model, servos are integrated into the main control board and are not designed for individual replacement. If a servo fails, the main control board may require replacement. Contact Kyosho support for options.

8. SPECIFICATIONS

Feature	Detail
Model	Piper Cherokee Readysset
Kyosho Classification	Minium AD
Length	13.19" (335mm)
Wingspan	16.14" (410mm)
Gear Ratio	4.25:1
Radio System	PERFEX KT-20 2.4GHz 4-channel MINIUM AD Special R/C System
Dihedral	11 degrees
Scale	1/24
Charge Time	Approximately 20 minutes
Range	Up to 500 feet
Colors	Red or Blue
Transmitter Batteries Required	4 "AA" alkaline batteries
Item Weight	7 Pounds (packaging weight)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Kyosho website or contact Kyosho customer service directly. Specific warranty terms and conditions may vary by region and purchase date. Keep your proof of purchase for any warranty claims.

Kyosho Contact Information: Please visit www.kyosho.com for the most up-to-date support resources and contact details.