

Kyosho KT-18

Kyosho PERFEX KT-18 ASF 2.4GHz Transmitter Instruction Manual

Model: KT-18 (Part No. 82001EBK-B)

INTRODUCTION

This manual provides essential instructions for the proper setup, operation, and maintenance of your Kyosho PERFEX KT-18 ASF 2.4GHz Transmitter. This transmitter is designed for use with Kyosho Mini-Z cars, excluding the MR-03S model. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

The KT-18 transmitter is a lightweight, black-colored unit featuring all necessary functionalities for both casual enjoyment and competitive events. It includes steering and throttle trim, end point adjustment, servo reversing, and a training mode to reduce sensitivity for easier driving. The transmitter requires four AAA alkaline batteries (not included) and comes with a clear stand for convenient storage.

SAFETY INFORMATION

- **Adult Supervision:** This product is not a toy and is recommended for users aged 14 years and up. Adult supervision is advised for younger users.
- **Battery Safety:** Use only specified AAA alkaline batteries. Do not mix old and new batteries, or different types of batteries. Insert batteries with correct polarity. Remove batteries during long periods of non-use to prevent leakage.
- **Operating Environment:** Operate your RC vehicle in open areas, away from people, pets, and obstacles. Avoid operating near water, roads, or in adverse weather conditions.
- **Interference:** The 2.4GHz system is designed to minimize interference, but always ensure a clear signal path between the transmitter and receiver.
- **Modifications:** Do not modify the transmitter. Unauthorized modifications can void your warranty and compromise safety.

PACKAGE CONTENTS

Upon opening the package, verify that all items are present and in good condition:

- Kyosho PERFEX KT-18 ASF 2.4GHz Transmitter
- Clear Transmitter Stand
- Instruction Manual (this document)

Note: AAA alkaline batteries for the transmitter are not included and must be purchased separately.

PRODUCT OVERVIEW

Familiarize yourself with the various parts and controls of your KT-18 transmitter.



Image: Front view of the KT-18 Transmitter. This image displays the overall design, including the steering wheel on the right, the throttle trigger on the left, and the ergonomic grip.



Image: Close-up of the control panel. This image highlights the "POWER" button, the "RELEASE" button (likely for binding or mode selection), and the textured steering wheel for precise control.

- **Steering Wheel:** Controls the left and right direction of your Mini-Z car.
- **Throttle Trigger:** Pull to accelerate, push to brake/reverse.
- **Power Button:** Turns the transmitter on and off.
- **Release Button:** Used for binding and potentially other mode selections.
- **Trim Dials:** Fine-tune steering and throttle neutral positions.
- **End Point Adjustment (EPA):** Adjusts the maximum travel for steering and throttle.
- **Servo Reversing Switches:** Changes the direction of servo movement for steering and throttle.
- **Training Mode Switch:** Reduces throttle and steering sensitivity for easier control, especially for beginners.

SETUP

1. Battery Installation

The KT-18 transmitter requires four (4) AAA alkaline batteries for operation.

1. Locate the battery compartment cover on the bottom of the transmitter handle.
2. Slide the cover open or remove it according to the markings.
3. Insert four new AAA alkaline batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.



Image: Open battery compartment. This image shows the empty battery tray, indicating where four AAA batteries should be inserted with the correct orientation.

Warning: Incorrect battery installation can damage the transmitter or cause personal injury.

2. Binding the Transmitter to Your Mini-Z Car

The KT-18 transmitter is designed to bind with specific Kyosho 2.4GHz Mini-Z models (excluding MR-03S). The binding process establishes a secure communication link between the transmitter and the receiver in your Mini-Z car.

1. Ensure your Mini-Z car's receiver is powered on and in binding mode (refer to your Mini-Z car's manual for specific instructions on how to put it into binding mode).
2. With the KT-18 transmitter powered off, press and hold the "RELEASE" button.
3. While holding the "RELEASE" button, press the "POWER" button to turn on the transmitter.
4. The transmitter's indicator light should flash, indicating it is in binding mode.
5. Once the transmitter and receiver successfully bind, the indicator lights on both devices will typically become solid.
6. Release the "RELEASE" button and turn off both the transmitter and the Mini-Z car.
7. Turn them back on in the correct sequence (usually car first, then transmitter) to confirm the binding.

Note: The exact binding procedure may vary slightly depending on your specific Mini-Z model. Always consult your Mini-Z car's instruction manual for detailed binding steps.

OPERATING INSTRUCTIONS

1. Basic Operation

1. Turn on your Mini-Z car first, then turn on the KT-18 transmitter using the "POWER" button.
2. **Steering:** Rotate the steering wheel left or right to control the direction of the car.
3. **Throttle:** Pull the throttle trigger towards you to accelerate forward. Push the throttle trigger away from you to apply brakes or reverse.
4. When finished operating, turn off the transmitter first, then turn off your Mini-Z car.

2. Adjustments

The KT-18 transmitter offers several adjustments to fine-tune your driving experience:

- **Steering Trim:** Use the steering trim dial to adjust the steering neutral position. If the car pulls to one side when the steering wheel is centered, adjust the trim until it drives straight.
- **Throttle Trim:** Use the throttle trim dial to adjust the throttle neutral position. If the car creeps forward or backward when the throttle trigger is released, adjust the trim until it remains stationary.
- **End Point Adjustment (EPA):** This feature allows you to set the maximum travel for steering and throttle. Adjusting EPA can prevent over-steering or over-acceleration, protecting your car's components. Refer to your Mini-Z car's manual for recommended EPA settings.
- **Servo Reversing:** If the steering or throttle responds in the opposite direction to your input, use the servo reversing switches to correct the direction.
- **Training Mode:** Activate the training mode switch to reduce the sensitivity of both steering and throttle inputs. This is particularly useful for new drivers or when operating in confined spaces, making the car easier to control.

MAINTENANCE

- **Cleaning:** Wipe the transmitter with a soft, dry cloth. Do not use solvents or harsh chemicals, as they may damage the plastic.
- **Storage:** Store the transmitter in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.
- **Inspection:** Periodically check for any loose parts, damaged wires, or signs of wear.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Transmitter does not power on.	Dead or incorrectly installed batteries.	Replace batteries with new AAA alkaline batteries, ensuring correct polarity.
Mini-Z car does not respond to transmitter.	Not bound, out of range, or receiver issue.	Re-bind the transmitter and receiver. Ensure both are powered on. Check range. Consult Mini-Z car manual.
Steering/Throttle responds in reverse.	Servo reversing switch set incorrectly.	Adjust the corresponding servo reversing switch on the transmitter.

Problem	Possible Cause	Solution
Car drifts or moves slightly when controls are centered.	Trim settings are off.	Adjust the steering or throttle trim dials until the car remains straight/stationary.

SPECIFICATIONS

- **Model:** KT-18
- **Part Number:** 82001EBK-B
- **Frequency:** 2.4GHz ASF
- **Compatibility:** Kyosho Mini-Z cars (excluding MR-03S)
- **Power Source:** 4 x AAA alkaline batteries (not included)
- **Product Dimensions:** 11 x 7 x 2.75 inches
- **Item Weight:** 1.19 pounds
- **Manufacturer Recommended Age:** 14 years and up
- **Date First Available:** February 10, 2014

WARRANTY AND SUPPORT

For warranty information and technical support, please contact Kyosho Corporation of America directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Kyosho Corporation of America

For further assistance, visit the official Kyosho website or contact their customer service department.