

# FIRST MINI-Z ファースト ミニ-Z

THE FINEST RADIO CONTROL MODELS

KYOSHO®

THE FINEST RADIO CONTROL MODELS

IM-KAI 4

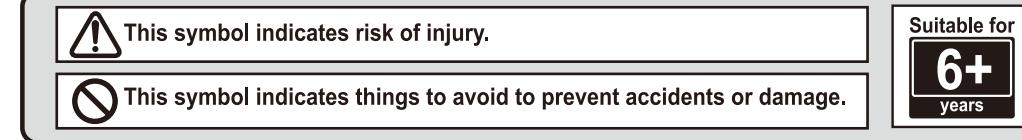
EAGLE

INSTRUCTION

MANUAL

\*Please read and understand this instruction manual before using FIRST MINI-Z.  
\*For continuous improvement, product specifications may be changed without notice.

\*Symbols and in the instruction manual indicate cautions and warnings. Read these sections completely.  
\*After assembly, keep the instruction manual together with the package in a safe place for future reference.



warning

Parents and guardians please read.

● This product contains small parts that present a risk of choking, aspiration, or ingestion. Never give to children under 3.

triangle symbol notice

<<Basic Precautions>>  
● Never give to children under the target age. There is a risk of accident. Children should only use the product under the supervision of a responsible adult. Keep out of reach of small children.  
● Do not touch moving parts as they are very dangerous. Be careful not to get your fingers, hair or clothes caught in rotating parts such as tires. Also, do not insert any other object that may cause malfunction.  
● There are sharp edges due to the product's design and function. Keep away from eyes to avoid injury or blinding.  
● Do not bend, throw, swing around, or handle this product roughly.  
● Keep the model and transmitter away from high temperature and humidity and remove the batteries before storage. Never disassemble or modify.  
● Keep away from water and fire. Keep away from heat sources such as stoves and gas cookers. Do not use if damaged or deformed.  
<<Precautions When Driving>>  
● Complete pairing settings as per the instruction manual. If you feel that the product is not working properly, immediately stop operation.  
● If the model does not move, turn off the power and remove the batteries.  
● Carefully read and understand the instruction manual before operating the model.  
● Incorrect use of batteries may result in overheating, explosion or fluid leaking. Follow the notes below.  
● Only use alkaline batteries. Never use rechargeable (NiCd etc.) batteries. Never mix old and new batteries, or different types of batteries.  
● Set the batteries in the correct + polarity (positive, negative).  
● Do not short-circuit, charge, disassemble, overheat, solder, put in water or fire.  
● If battery fluid gets into your eyes, wash immediately with plenty of water and consult a doctor. If it gets on your skin or clothes, wash it off with water.

<<Other Precautions>>  
● This product uses precision electronic circuits and complex components. Do not disassemble or modify.  
● Control of the vehicle may be lost when radio waves of the same frequency are being transmitted nearby. This is not a malfunction. Please move to a different location or operate at a different time. Radio wave interference may also be caused by various factors such as high-voltage wires, trains, microwave ovens, etc.  
● Interference or control errors may cause injury or damage to property. Safety operation is the responsibility of the operator.  
● Kyosho accepts no responsibility for unsafe use under unusual circumstances.  
● Some parts may differ in size and shape from the manufacturer's model. In this case, use another make of battery.  
● Also, dispose of used batteries according to local government instructions.  
● Drive on flat surfaces as the model does not function well on uneven surfaces or thick carpet.  
● Use only as intended for radio control. This product is designed for indoor use only. Do not use outdoors.  
● Do not store or operate in high temperatures, high humidity, or in direct sunlight as this may cause deformation, short circuit, or fire.  
● Use product packaging for storage.

1

## For Safe Operation Read Before Use



2

## 6 Preparing to Drive

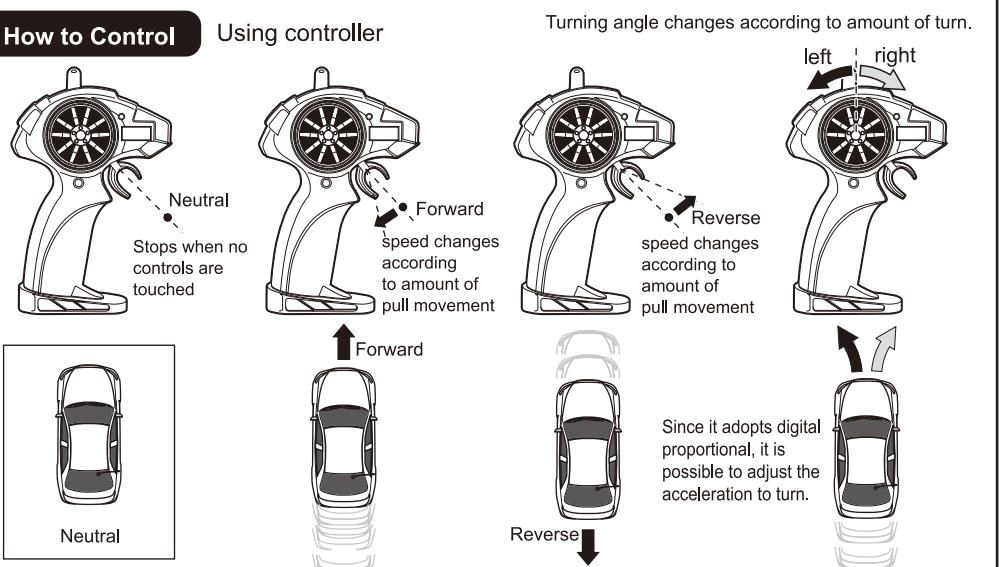
### About 2.4GHz

Using the 2.4GHz frequency band, up to 12 cars can race together with a range of up to 30m.

### About Pairing (linking the controller with the car to make it steerable)

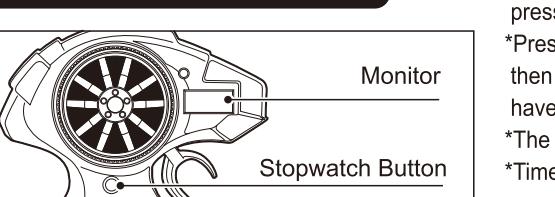
If you want to pair multiple models, please pair one set at a time. During pairing turn off the other controllers and models. Pairing multiple models at the same time may result in random pairing of controllers and models.

## 7 Let's Drive!



If you hit something or get stuck, stop immediately and return controls to neutral.

### How to use Stopwatch



Press the stopwatch button once to start, press it again to stop, and press it again to reset.

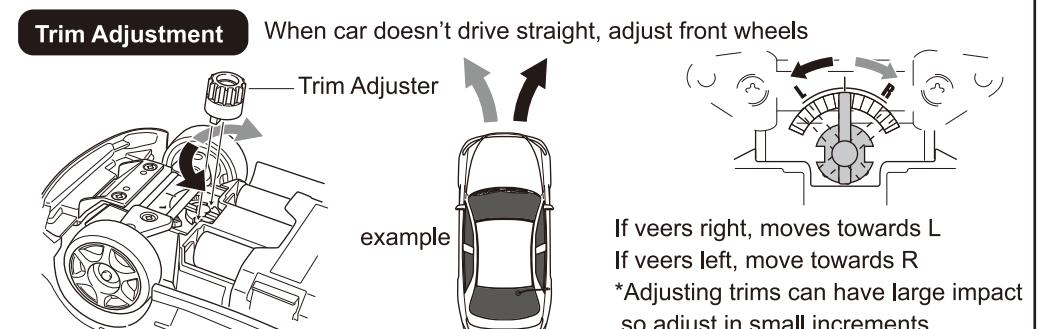
Press 'start' when you start the race, then press 'stop' when you reach the finish to have a timed race.

The time is displayed on the monitor.

Time data is not saved. Times need to be recorded manually when racing.

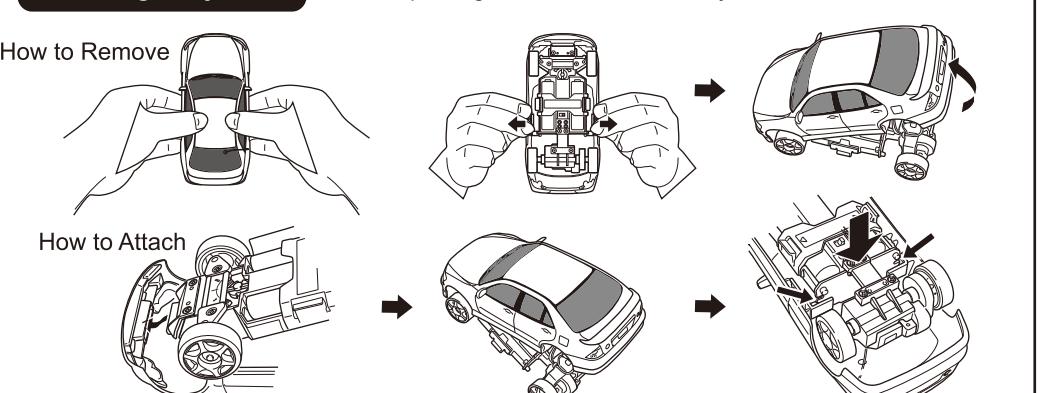
3

## 8 Adjusting and Replacing

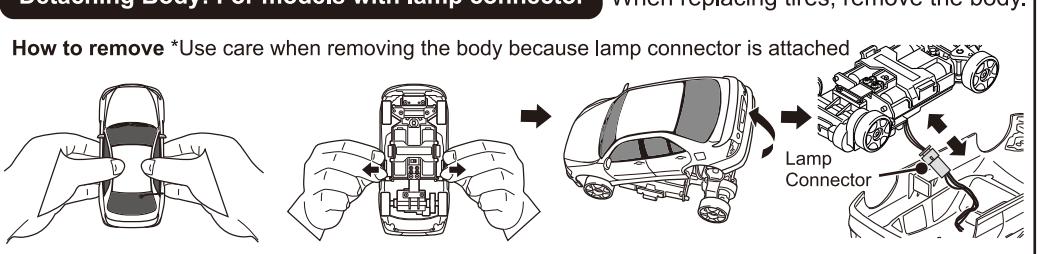


If veers right, moves towards L  
If veers left, move towards R  
\*Adjusting trims can have large impact so adjust in small increments.

### Detaching Body

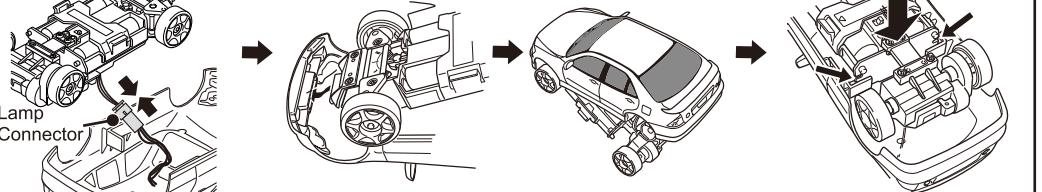


### Detaching Body: For models with lamp connector



[Caution] When installing a body that does not have a lamp connector, please install the body so that the wiring with the connector on the chassis side does not protrude outside the vehicle or get caught in the tires.

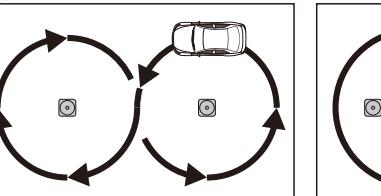
### How to attach



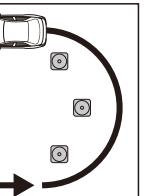
4

## 9 Example Course Layout

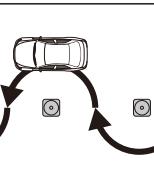
### Figure of 8



### Oval Course



### Zigzag Course



5

## 10 Troubleshooting

Condition	Cause	Solution
Doesn't move	Transmitter and chassis power not switched ON. Chassis batteries are dead or not installed properly. Receiver batteries are dead or not installed properly. Chassis is not paired with the controller.	Switch power ON. Insert new batteries. Insert new batteries. Complete pairing again.
No control response	Chassis batteries are running low.	Insert new batteries.
Doesn't drive straight	Operating near busy road, railway or interference from microwave. Steering trims not adjusted correctly. Tires have come off or not fitted properly.	Move to different place to operate model. Readjust trims correctly. Install tires correctly.
Doesn't stop	Holding the accelerator (throttle) down.	Release the accelerator (throttle)
Doesn't move in reverse	Battery is dead.	Insert new batteries.
Insufficient Speed	Chassis batteries are running low. Dirt or particles have entered the drive parts.	Insert new batteries. Remove dirt or particles.
Motor, speed control overheats	Continuous running time is too long.	Rest the model after 30 minutes.
Light doesn't come on	Lamp connector is not properly connected.	Refer to "Removing the body: with lamp connector" in 7, and Adjustment and Replacement of each part on P6.

In addition, depending on the location and time, the distance and accuracy of radio waves may change, making it impossible to operate. In this case, please change the time and try again.

## FC

WARNING: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

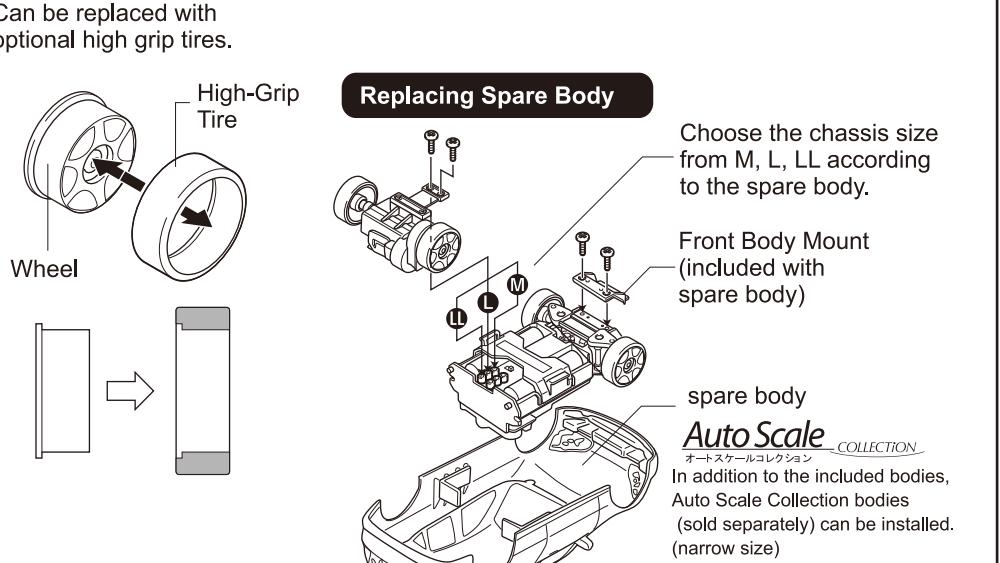
The device must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF warning for Portable device:  
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

## 1 Set Contents

Check the contents of the package



Can be replaced with optional high grip tires.

Choose the chassis size from M, L, LL according to the spare body.

Front Body Mount (included with spare body)

spare body

Auto Scale COLLECTION

In addition to the included bodies, Auto Scale Collection bodies (sold separately) can be installed.

(narrow size)

\*Some products may not be compatible.

\*Auto Scale Collection is only available in Japan. (Not sold internationally)

## 2 Required for Operation

Prepare before driving

Screwdriver

\*Needed when removing from box

4 x AA size alkaline batteries

Chassis (front)

Chassis (back)

Controller (front)

Controller (back)

Body Mount

Front Tire, Wheel

Front Spring

Amp

Side Body Mount Socket

Rear Tire, Wheel

Motor

Steering Trim

Switch

Easy Handle (steering controller)

Power Light (LED lamp)

Stopwatch Monitor

Easy Accelerator (throttle controller)

Stopwatch Button

Switch

Battery Cover

Chassis (front)

Chassis (back)

Front Spring

Motor

Steering Trim

Switch

Easy Handle (steering controller)

Power Light (LED lamp)

Stopwatch Monitor

Easy Accelerator (throttle controller)

Stopwatch Button

Switch

Battery Cover

Chassis (front)

Chassis (back)

Front Spring

Motor

Steering Trim

Switch

Easy Handle (steering controller)

Power Light (LED lamp)

Stopwatch Monitor

Easy Accelerator (throttle controller)

Stopwatch Button

Switch

Battery Cover

Chassis (front)

Chassis (back)

Front Spring

Motor

Steering Trim

Switch

Easy Handle (steering controller)

Power Light (LED lamp)

Stop