



Mini R/C Helicopter with 2.4GHz Transmitter
INSTRUCTION MANUAL



- Front and rear LEDs
- Carbon lightweight flybar
- Super strong wide track undercarriage
- Lipo cutout to prevent over discharging of battery in flight
- High strength, resilient main rotor blades
- Professional style 2.4GHz R/C transmitter
- 4-channel control
- Super smooth and stable hovering
- Around 50 minute charge time from USB cable
- Approximately 8 minutes flying time per charge

Please read the instructions carefully before use and retain for future reference.



IMPORTANT!
Radio controlled model
NOT A TOY!

This model must be operated according to the instructions.
May cause injury to persons or property if not used responsibly.
Unsuitable for children under 14 years.

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VITAL SAFETY INFO

Please read all instructions carefully before using this model. If any information in this manual is unclear, please contact your supplier for help.

Please note especially the potential dangers associated with the rotating parts in this model:

DANGER—Wear protective eyewear when using model helicopters!

DANGER—Do not wear loose clothing or ties!

DANGER—Keep well clear of rotating blades!

DANGER—Never fly near people or animals!

DANGER—A Li-Po battery is installed in the helicopter. Please observe the safety information regarding the safe use of Li-Po batteries before using this product!

DANGER—Do not touch the battery or charger with wet hands!

- ▶ Always let the battery cool down before recharging.
- ▶ Always recharge the battery after use, especially if it is going to be stored and not used for a while.
- ▶ Not suitable for children under 14 years.
- ▶ If you are completely new to R/C helicopters we advise that you seek advice from an experienced R/C helicopter pilot before attempting to fly this model.
- ▶ When you are ready to fly always turn on the transmitter first then connect the battery on the helicopter.
- ▶ When you have finished flying always disconnect the battery on the helicopter first then turn off the transmitter.
- ▶ Only for use indoors
- ▶ Do not fly near electrical or wireless equipment and magnetic objects.
- ▶ Be careful to insert the battery the correct way round, do not force the plug.
- ▶ If you hear the transmitter beeping this means the transmitter batteries are low. Land immediately, unplug the battery from the helicopter, turn off the transmitter and replace the batteries in the transmitter.
- ▶ Only use the USB charge lead provided with this model to charge the helicopter battery.

GUARANTEE/WARRANTY

Model Engines (Aust.) Pty. Ltd. guarantee this product to be free of manufacturing and assembly defects for a period of 30 days from time of purchase. This does not affect your statutory rights. This warranty is not valid for any damage or subsequent damage arising as a result of a crash, misuse, modification or for damage or consequential damage arising as a result of failure to observe the procedures outlined in this manual. Operation of this model is carried out entirely at the risk of the operator. Please note that, whilst every effort is made to ensure the accuracy of instructions and material included with this product, mistakes can occur neither Model Engines (Aust.) Pty. Ltd. or its retailers will be held liable for any loss or damage arising from the use of this model or for any loss or damage arising from omissions or inaccuracies in the associated instructions or materials included with this product.

We reserve the right to modify the design of this product, contents and manuals without prior notification.

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INTRODUCTION

Thank you for buying the Mini Twister Scale. It is the latest mini co-axial helicopter with 4-channel R/C, 2.4GHz radio and excellent stability. Mini Twister Scale is an ideal choice for the beginner helicopter pilot as it features professional 4-channel operation and stable flight. Small and lightweight, it can be flown almost anywhere so almost anyone can enjoy the fun of R/C helicopter flight.

NEW TO R/C HELICOPTERS?

The model is not a toy. If you are new to RC helicopters, please do not expect to be able to open the box and immediately 'fly around'. RC helicopters are fun to fly but require some time and training in order to be flown successfully.

If this is not what you were expecting, we advise you not to buy this model.

Although the Mini Twister Scale is easy to fly, please note that we do not guarantee that by following the information included with this product you will be bound to achieve successful helicopter flight. Neither do we guarantee you will not break anything!!

ABOUT THE FLYING AREA REQUIRED

The Mini Twister Scale is designed for indoor use only. A hard, flat surface clear of all obstacles is recommended for take offs. Because of its size, the Mini Twister Scale can be flown in virtually any size room. However, you should fly only where it is safe to do so and bear in mind the smaller the room the more likely you are to experience backwash from the rotors turning which will effect the stability of the helicopter.

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ABOUT TRAINING, CRASHES & SPARE PARTS

The Mini Twister Scale has been designed to be strong and very easy to repair, however, the helicopter is not invulnerable and most people will tip their helicopter over or break parts during their flying career. This is quite normal. All parts are available as spares from your supplier. Study the exploded view of the helicopter carefully to understand the relationship between parts and how to replace them if necessary.

Crash damage is not covered by warranty.

SPECIFICATIONS

Fuselage length.....	195mm
Main rotor diameter.....	190mm
Weight (inc battery).....	48g
Charging time.....	approx. 50 minutes
Flying time	approx. 8 minutes
On board power.....	3.7V 220mAh LiPo battery
Radio	Twister Mini 4, 2.4GHz 4-ch

Required

Transmitter batteries 4 x 1.5V AA batteries

WELCOME

1. Carefully remove the model and other items from the packaging and check all items are included.
2. Insert 4AA alkaline batteries (not supplied) into the transmitter battery compartment in the rear of the transmitter being careful to observe battery polarity.

A. KIT CONTENTS



B. TRANSMITTER PART NAMES

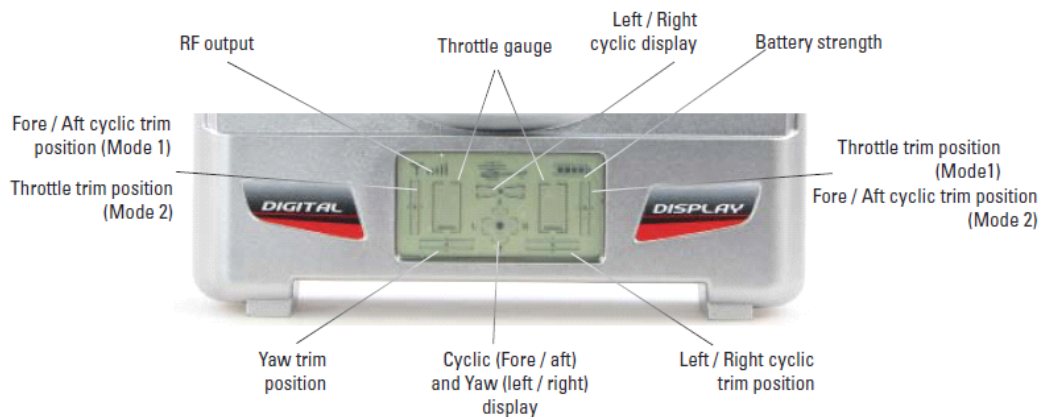


Note: The throttle/yaw stick also has a built in button function

The throttle/yaw stick can be pressed like a button and is used to perform the following functions:

- Binding the transmitter and helicopter if it comes unbound (see page 7)
- Switching between advanced and beginner mode (see page 6)

C. LCD DISPLAY



FLIGHT CONTROLS



Each dual axis stick unit of your transmitter controls 2 helicopter functions (complete with trimmers on each function) giving you control about all 4 axes of flight). See above

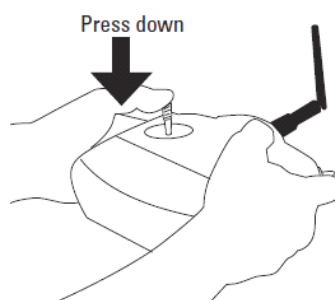
BEGINNER AND ADVANCED MODE

The Mini Twister Scale features beginner and advanced mode.

With the transmitter and helicopter both ON press firmly down on the top of the throttle stick down (Right Hand Stick Mode 1, Left Hand Stick Mode 2), you will hear a combination of beeps depending on the mode you are now in:

ONE BEEP: Advanced mode

TWO BEEPS: Beginner mode



item No.: [AZSH1100B](#) [AZSH1100R](#) [9988](#) [9958](#) [9978](#) [9998](#) [8830](#) [8831](#) [8829](#) [6031](#) [6032](#) [6033](#) [6034](#) [6035](#) [6036](#) [9108](#) [9109](#) [9110](#) [9111](#) [9112](#) [9113](#) [9114](#) [9115](#) [9116](#) [9117](#) [9118](#) [9119](#) [9120](#) [9121](#) [9122](#)

statement:

changes or modifications not expressly approved by the party responsible for

compliance could void the user's authority to operate the equipment.

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 or more 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.