

SKEYE

Pico Drone

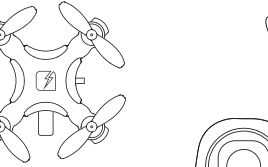
USER GUIDE



TRNDlabs

Parts Identification

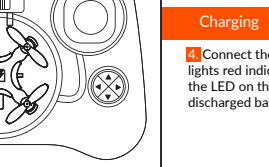
SKEYE Pico Drone



Rotor Blades



Controller



USB Charging Cable



Controller Functions

Power Switch (ON/OFF)



Direction Forward/Backward Rotate



Forward Trimmer Sideways Right Trimmer Backward Trimmer

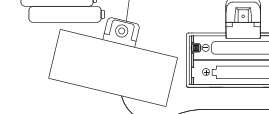
Not In Use Sideways Left Trimmer

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Getting Started

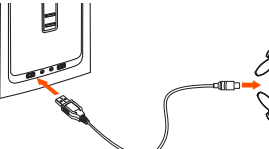
Battery Installation

- 1 Use a screwdriver to open the controller battery cover.
- 2 Install 2x 1.5V AAA batteries into the controller.
- 3 Lock the battery cover.



Charging

- 4 Connect the USB charging cable to a USB port. The LED on the USB charging cable lights red indicating that the battery is charging. When the battery is fully charged, the LED on the USB charging cable turns off. It takes about 60 minutes to recharge a discharged battery.



Flight Controls

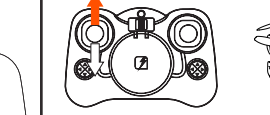
Pushing the throttle/rotate stick forward will cause the main rotors to spin. The farther you push the stick, the faster the rotors will spin, causing the drone to lift off and gain altitude.

If you notice that the drone moves forwards or to the side without your touching the control sticks, please adjust the trim of the drone as described in "Trimming".

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Throttle Control

To start or to fly higher, push the throttle/rotate stick cautiously forwards. To land or fly lower, push the throttle/rotate stick cautiously backwards.



Direction Control

To fly the drone forwards or backwards, push the direction stick cautiously to forwards or backwards.



To fly the drone to the left or the right, push the direction stick cautiously to the left or the right.



Rotation Control

To make the drone circle to the left or the right, move the throttle/rotate stick cautiously to the left or the right.



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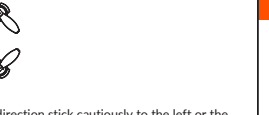
Flying Your Drone

- 1 Move the throttle/rotate stick to the full down position.
- 2 Slide the power switch of the drone.



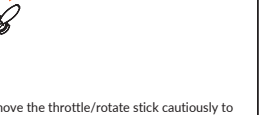
Left Side 360° Flip

Press the direction stick and push it to the left once you've heard the tone.



Right Side 360° Flip

Press the direction stick and push it to the right once you've heard the tone.



Forward 360° Flip

Press the direction stick and push it forward once you've heard the tone.



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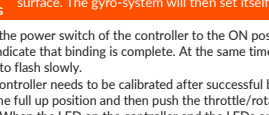
Advanced Flight: Performing 360° Flips

The drone can perform 360° front flips, back flips and side flips. Press the flip button, then push the direction stick forward, backward, right or left at the same time. The drone carries out the flip in the respective direction.



Backward 360° Flip

Press the direction stick and push it backward once you've heard the tone.

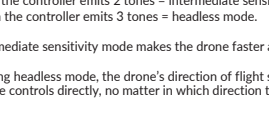


Trimming

The correct trim is a basic requirement for fault-free flying behavior of your drone.

Direction Trim

When hovering, if the drone flies forwards or backwards without you moving the direction stick, please proceed as follows:



Sensitivity Control

The drone has three throttle settings: beginner, intermediate and headless mode. Press the sensitivity button in order to change the sensitivity:

- 1 When the controller emits 1 tone = beginner sensitivity mode.
- 2 When the controller emits 2 tones = intermediate sensitivity mode.
- 3 When the controller emits 3 tones = headless mode.

The intermediate sensitivity mode makes the drone faster and more responsive. When using headless mode, the drone's direction of flight seen from your viewpoint follows the controls directly, no matter in which direction the drone is pointing.

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Calibration

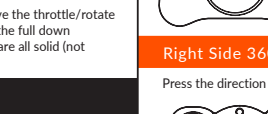
The drone needs to be calibrated if it flies unstable.

- 1 Place the drone on a flat surface and calibrate throttle (See 4 under "Flying Your Drone")
- 2 Move the direction stick to the upper left corner, the throttle/rotate stick into the lower left corner. The LED lights will start to flash meaning that the calibration is successful.



Replacing Rotor Blades

Gently pull the rotor to be replaced from the motor axis. Each rotor is marked with a "1" or "2". Be sure to note the marking and the tilt angle of the rotor blades.



Troubleshooting

Problem: Controller does not work.
Cause: The power switch is turned "OFF".
Solution: Turn the power switch "ON".
Cause: The batteries have been wrongly inserted.
Solution: Check if the batteries have been correctly inserted.
Cause: The batteries do not have enough power.
Solution: Insert new batteries.

Problem: The drone does not lift.
Cause: The rotor blades rotate too slowly.
Solution: Push the throttle up.
Cause: The battery's power is not sufficient.
Solution: Charge the battery (see chapter "Getting Started / Charging").

Problem: During flight, the drone loses speed and height without any obvious reason.
Cause: The battery is too weak.
Solution: Charge the battery (see chapter "Getting Started / Charging").

Problem: The drone cannot be controlled with the controller.
Cause: The power switch on the controller is turned "OFF".
Solution: First turn the power switch on the controller "ON".
Cause: The controller is possibly not correctly frequency bound with the receiver on the drone.
Solution: Please carry out the binding procedure as described in "Flying Your Drone".

Problem: The drone only flies in a circle or turns over on starting.
Cause: Rotor blades incorrectly fitted or damaged/damaged.
Solution: Fit rotor blades / replace rotor blades (see chapter "Replacing Rotor Blades").

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Safety Precautions

• Carefully follow the directions and warnings for this drone and any optional support equipment you may use.

• Never operate your drone with low controller batteries.

• The drone has rotating blades that move at high speed, posing danger of damage and injury. Pilots are responsible for any actions that result in damage or injury from the improper operation of the drone. Choose an adequate flying space without obstacles. Do not operate the drone near buildings, crowds of people, high-voltage power lines, or trees to ensure the safety of yourself, others, and your drone. Wear eye protection when operating your drone and keep your hands, face, hair, loose clothing, and foreign objects away from the rotating blades.

• This drone has small parts that may pose a choking hazard. Keep all small parts and electrical devices out of the reach of children and animals.

• Pets can become excited by radio-controlled drones. Keep pets away from your drone at all times.

• Keep the drone in sight at all times during operation and flight. Discontinue operation immediately if the drone flies out of your field of view.

• Because your drone is controlled by radio, it is subject to radio interference from many sources that are beyond your control. Radio interference can cause momentary losses of radio control; always allow a safety margin in all directions around the drone to prevent collisions.

• When flying indoors, avoid locations with ceiling fans, hanging light fixtures, heating or air conditioning vents, or any other obstacles that may interfere with or damage your drone.

• Keep hands, hair and loose clothing away from the rotors when the power switch is turned on.

• Parental guidance is required for younger users.

• The controller and charger are specifically designed to charge this drone. Never use other charging equipment.

• The drone is NOT intended for use by children under fourteen (14) years old, unless directly supervised by competent adult at all times.

• Regularly examine the drone and controller for any damage to the plugs, enclosure, rotors, battery covers and other parts. In the event of any damage, neither the drone nor the controller should be used.

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Caring For Your Drone

• For best performance, only use fresh Alkaline "AA" batteries in the controller.

• After each crash, inspect your drone for worn or damaged parts.

• The drone automatically switches off if the rotors are unable to rotate. Switch the power to restart the drone.

• When not in use, store your drone in its original packaging with the batteries removed from the controller and drone.

• Always recharge the battery immediately after use to prevent its becoming deep discharged. Please make sure to allow a pause of about 20 minutes between finishing the flight and recharging the battery. Recharge the battery occasionally (suggested every 2-3 months). Failure to treat the battery as described above can lead to its becoming defective.

• When transporting or temporarily storing the rechargeable battery the temperature should be between 5-50°C. If possible, do not store the battery or the drone in a car and do not expose it to direct sunlight. In case the battery is broiled it can be damaged or catch fire.

• Do not submerge the drone or remote control in water. This will damage the electronic components, and could pose a severe risk to the built-in battery.

• Keep the drone and remote away from heat sources.

• To clean, wipe gently with a damp cloth. Avoid use of solvents, as these can damage the plastic components.

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FCC Compliance Information (USA only)

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.

WARNING Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

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Warnings

WARNING Do not attempt these stunts until you are able to fly confidently. Choose an area that will provide a soft landing (carpet or grass) and maintain an altitude of at least 10 feet/3 meter to allow room to recover control as you practice flipping the drone.

WARNING Immediately after switching it on, place the drone on a flat and level surface. The gyro-system will then set itself automatically.

WARNING Make sure you only charge the rechargeable battery with the supplied USB charging cable. If you try to charge the rechargeable battery with a different battery charger, this might cause serious damage.

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