

**MOTA**<sup>®</sup>

**AGES**  
**8+**



# OWNER'S MANUAL

## JETJAT<sup>®</sup> NANO<sup>™</sup>

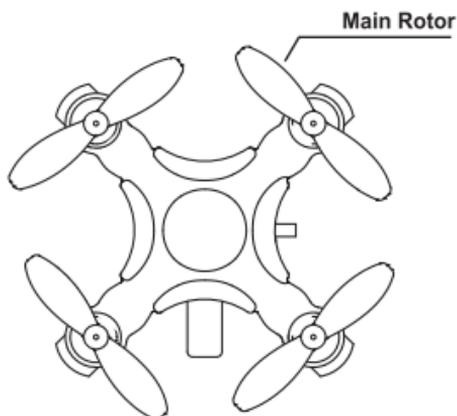
For Owner's Manual updates, warranty information, and support please visit [go.mota.com/61](http://go.mota.com/61)



Product Model: JJ-NAN-K, JJ-NAN-R  
Product Number: 0799665747374, 0799665747381

## Illustration of Each Part

### DRONE



### USB Charging Cable

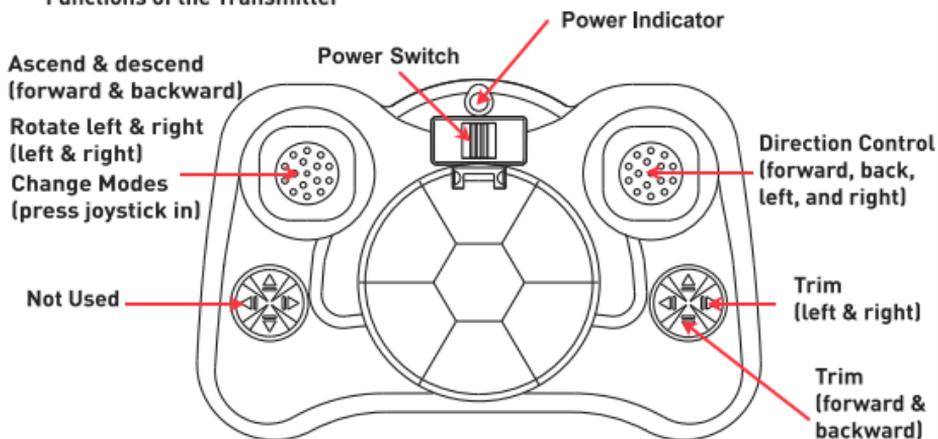


### Blade



## Transmitter

### Functions of the Transmitter



## Fly Safely

Drones are sophisticated precision devices capable of complex flight maneuvers. Please read these safety instructions before using your drone.

Failure to operate your drone safely can degrade its performance and cause harm to people, animals, or property.

Please do not fly:

- Near or around obstacles such as birds or pets, airplanes, helicopters, other drones, antennas or overhead lines or wires, or airborne toys like kites.
- In or near airports or restricted areas.
- In adverse conditions such as strong winds, temperature extremes, rain, hail, snow or sleet.
- Land your drone into water or a wet surface.
- Operate your drone if you are impaired, tired, or distracted

Please do:

- Know and comply with laws and regulations respecting drone use in your area.
- Keep hands away from rotors when drone is switched on.
- Keep your drone within eyesight while in flight.

## Notes for Control

**Transmitter Range:** The transmitter range of flight is 75 feet (25 m). The transmitter will lose control of the drone if the drone flies beyond the range.

**Flight Time:** The drone can fly in a light breeze, if it is fully charged and within the range of the transmitter. Please recharge the drone's battery if it does not fly.

**Warning:** Strong winds may limit control. In very windy conditions, your drone may fly out of range of the transmitter, and become lost and/or damaged.

※ Please DO NOT release the throttle immediately when flying high, otherwise, it may descend abruptly and cause damage to parts.



※ Fly the drone about 1m from the ground



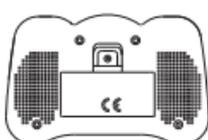
※ DO NOT fly the drone around obstacles to avoid unnecessary damage in case control is lost.



## Battery Installation and Charging

**Note:** Make sure the batteries are installed correctly taking in account the positive and negative terminals.

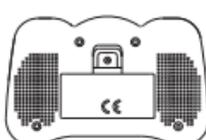
### Battery Installation



1. Open the battery cover located on the bottom of the transmitter.



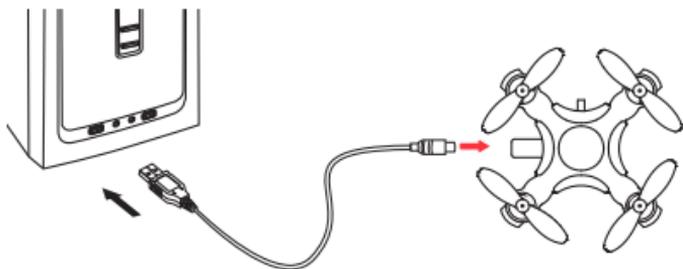
2. Install two "AAA" batteries.



3. Place the cover back over the battery compartment.

### Charging the Drone

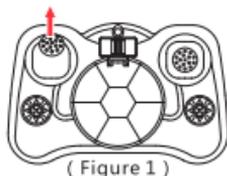
Connect the drone to the charging cable and insert the USB end into a USB port of a computer or other USB charger (5 V). The red light in the USB connector will turn on when the drone is charging. The light will turn off when the drone is fully charged.



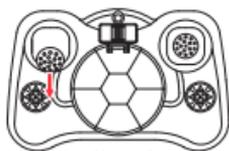
### Flying the Drone

Please follow the correct starting sequence to pair the transmitter to your drone.

1. Turn "ON" both the drone and the transmitter. The drone's lights will flash quickly and the transmitter will beep twice. Once the transmitter detects the drone, the lights on the drone will flash slowly.
2. Push the throttle joystick forward to the highest position (Figure 1). The transmitter will beep once.



- Place the drone on a level surface.
- Pull the throttle joystick back to the lowest position. (Figure 2). The transmitter will beep once.
- Once the drone and the transmitter are fully paired, the lights on the drone will become solid.

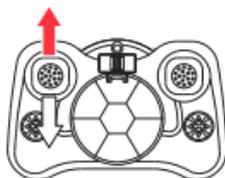


( Figure 2 )

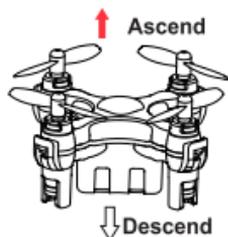
## Operation and Control

Attention: Please operate the control stick slowly when flying the drone. During flying, the drone may lose altitude when maneuvering. Therefore, you may need to add more power to keep the drone flying at a given height.

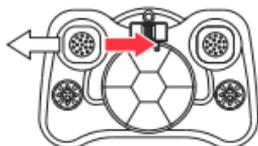
### Throttle Control Ascending and Descending



Left Joystick

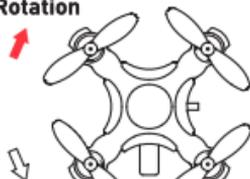


### Rudder Control Right and Left Rotation



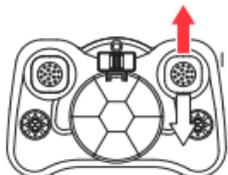
Left Joystick

### Right Rotation



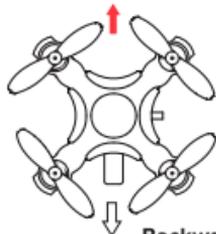
Left Rotation

### Forward and Reverse

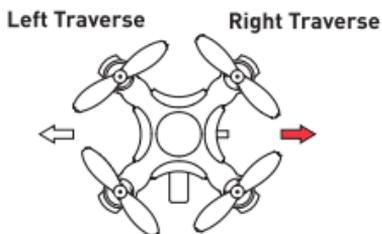


Right Joystick

### Forward



Backwards



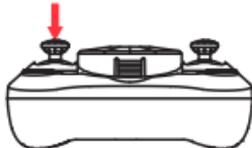
## MODE SETTING & MODE INSTRUCTIONS

Press the left joystick down to traverse through the locking modes.

Single "beep" - The drone is in junior mode.

Double "beep" - The drone is in intermediate mode.

Triple "beep" - The drone is in head-locking mode.



## MODE EXPLANATION

Head-locking mode: When entering this mode, no matter where the nose of the drone is pointed, the drone will fly forward.

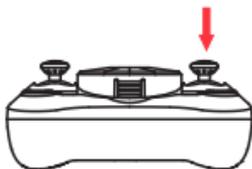
Therefore, even if you rotate the drone using the rudder, the drone will fly forward instead of turning along with the rudder controls.



## Aerial Tumbling

The drone is capable of doing aerial flips.

To perform flips, press the right joystick down. The transmitter will sound a single “beep”. This indicates the drone is in flip mode.



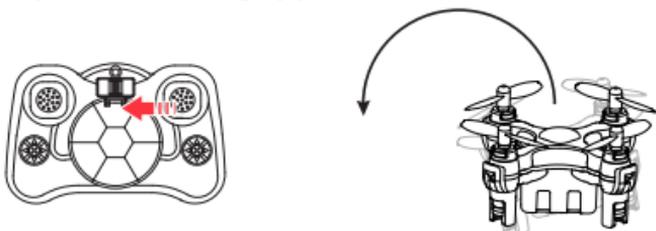
-  In order to better carry out the aerial flips, make sure the drone is at least one meter above the ground.

## Flip Direction

Flips can be performed in any of the 4 horizontal directions, left, right, forwards, and backwards.

## Flips to the Left

When in flip mode, move the right joystick to the left.



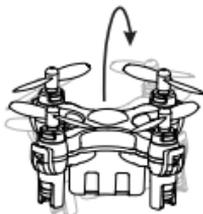
## Flips to the Right

When in flip mode, move the right joystick to the right.



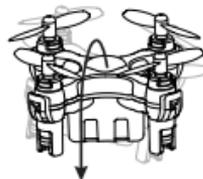
## Flips to the Front

When in flip mode, move the right joystick to the front.



## Flips to the Back

When in flip mode, move the right joystick to the back.



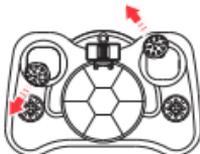
## Trim Adjustment

	Issue: Drone drifts:	Correction	Trim location
backward trimming			
forward trimming			
Left sideward fly trimming			
right sideward fly trimming			

## Accelerator Calibration

If the drone appears unstable or flies to one direction at a quick drifting speed, you need to calibrate the accelerometer.

1. After pairing the drone and the transmitter, the drone should be placed on level ground.
2. Push the left joystick to the bottom left corner and the right joystick to the upper right corner. At this time, the drone's LED indicators will flash for 1-2 seconds. This signals that the calibration is successful.



**Note:** If the drone is still flying toward one direction, you can put the drone on level ground and place several sheets of paper in that particular direction (the amount of sheets needed depends on the adjustment level needed to adjust the accelerometer's horizontal angle of deviation).

## Low Battery and Standby Function

### Low Battery Voltage

When the battery voltage is running low, the four LED indicators on the drone will flash. Lower the flying height and land the drone as soon as possible to avoid damaging the drone. Turn off the drone power and recharge.

### Standby Function

After 8 minutes of inactivity, the drone will automatically power off. To turn on the drone, move the power switch to the "OFF" and then "ON" positions. The LED lights will indicate that it is turned on.

## Troubleshooting Tips

Problem:	Fix:
Main rotor functioning improperly	Turn the drone "OFF" then "ON" and pair with transmitter. If the problem still persists, check the propellers for deformity. Replace blades if propellers are deformed or damaged.
Will not take off	If the battery voltage is low, recharge the drone. If the problem still persists, adjust the calibration according to the "Accelerometer Calibration" section.

# Lithium Battery Safety Guide



**WARNING:**

If the device is not operating, charging the lithium battery may cause fire, injury, or loss of property. The user should be aware of the risks while using the product. The manufacturer shall not in any way be liable to you or to any third party for any damages you or any third party may suffer as a result of use, intended or unintended. Please carefully read these safety guidelines and charging instructions before use.

## Lithium Battery Guarantee

MOTA guarantees quality materials and workmanship for this product. Under no circumstances will MOTA compensate an amount higher than the valued retail price.

Your drone uses an internal high-performance non-removable lithium battery. The transmitter uses 2 AAA replaceable batteries. Please store the drone and batteries in a cool, dry environment away from children and pets.

1. Do not disassemble, pierce, cut, or distort the drone or its batteries. Doing so is a safety hazard and violates the warranty.
2. Please use the only original USB charger cable included with the drone.
3. When charging, ensure the drone is in a ventilated area, on a hard surface and uncovered, and do not leave it unattended more than a few minutes. The drone automatically stops charging after the battery is full (you will see the red light on the USB connector turn OFF) but it is recommended you disconnect the power source once your drone is charged.
4. Do not fly or store the drone in very high temperatures or near any heat source, open flame, or flammable materials.
5. Metal objects may cause a short in the battery if they touch its positive ("+") and /or negative ("-") terminals. Please do not store or transport the drone and transmitter with metallic objects of any kind such as coins, keys, thumb drives, etc.
6. In the unlikely event the drone or transmitter's batteries emit an odor, smoke or liquid, or if you notice any other abnormal condition, immediately disconnect the drone from the charging device (if connected) and take the drone and transmitter outdoors to safe area. Do not attempt to charge, operate or switch the drone or transmitter ON or OFF. Do not touch any liquid as it may irritate the skin. If liquid from a battery accidentally gets into an eye, rinse the eye with clear water. If irritation persists, seek medical attention.
7. When the batteries reach the end of their useful life, please dispose of the drone and transmitter batteries at an authorized recycling center or organization.

## Warranty

This product carries a 90-day Limited Warranty against defects in materials and workmanship. The Limited Warranty is valid only if defect(s) are reported to MOTA Technical Support before the drone's first flight. MOTA is not responsible for any damage to the product and/or accessories other than defects in materials and workmanship. MOTA is not responsible for any indirect or consequential damages or liability arising from use of the product by the owner or others. This Limited Warranty has additional terms, conditions, and exclusions which may be read at [www.mota.com/support](http://www.mota.com/support).