

1. XION FPV™

For ages 14 and up

Read the User Manual thoroughly before flying the drone. The drone is not to be used in a way that causes injury to people or property. The drone is not to be used in a way that causes damage to property. The drone is not to be used in a way that causes damage to the environment.

Delivery Elements:

- Drone
- Transmitter (T)
- FPV Goggles (G)
- Receiver (R)
- Propellers (P)
- Motor Mounts (M)
- Motor Screws (S)
- Motor Washers (W)
- Motor Spacers (Sp)
- Motor Nuts (N)
- Motor Springs (Spr)
- Motor Brackets (B)
- Motor Screws (S)
- Motor Washers (W)
- Motor Spacers (Sp)
- Motor Nuts (N)
- Motor Springs (Spr)
- Motor Brackets (B)

FPV Goggles (G): FPV Goggles (G) are used to view the drone's camera feed. They are used to view the drone's camera feed. They are used to view the drone's camera feed.

Transmitter (T): The Transmitter (T) is used to control the drone. It is used to control the drone. It is used to control the drone.

Receiver (R): The Receiver (R) is used to receive signals from the drone. It is used to receive signals from the drone. It is used to receive signals from the drone.

Propellers (P): Propellers (P) are used to move the drone. They are used to move the drone. They are used to move the drone.

Motor Mounts (M): Motor Mounts (M) are used to hold the motors. They are used to hold the motors. They are used to hold the motors.

Motor Screws (S): Motor Screws (S) are used to hold the motor mounts. They are used to hold the motor mounts. They are used to hold the motor mounts.

Motor Washers (W): Motor Washers (W) are used to hold the motor mounts. They are used to hold the motor mounts. They are used to hold the motor mounts.

Motor Spacers (Sp): Motor Spacers (Sp) are used to hold the motor mounts. They are used to hold the motor mounts. They are used to hold the motor mounts.

Motor Nuts (N): Motor Nuts (N) are used to hold the motor mounts. They are used to hold the motor mounts. They are used to hold the motor mounts.

Motor Springs (Spr): Motor Springs (Spr) are used to hold the motor mounts. They are used to hold the motor mounts. They are used to hold the motor mounts.

Motor Brackets (B): Motor Brackets (B) are used to hold the motor mounts. They are used to hold the motor mounts. They are used to hold the motor mounts.

2. Care and Maintenance

Warning: Consult an authorized service center for product repair or replacement. Do not attempt to repair or replace any component of the drone yourself. The drone is not to be used in a way that causes injury to people or property. The drone is not to be used in a way that causes damage to property. The drone is not to be used in a way that causes damage to the environment.

Care and Maintenance:

- Check the drone for damage before each flight.
- Inspect the drone for damage after each flight.
- Clean the drone with a soft cloth.
- Store the drone in a cool, dry place.
- Do not use the drone in rain or snow.
- Do not use the drone near power lines.
- Do not use the drone near airports.
- Do not use the drone near people or animals.
- Do not use the drone near buildings.
- Do not use the drone near trees.
- Do not use the drone near water.
- Do not use the drone near roads.
- Do not use the drone near highways.
- Do not use the drone near bridges.
- Do not use the drone near tunnels.
- Do not use the drone near overpasses.
- Do not use the drone near underpasses.
- Do not use the drone near power lines.
- Do not use the drone near airports.
- Do not use the drone near people or animals.
- Do not use the drone near buildings.
- Do not use the drone near trees.
- Do not use the drone near water.
- Do not use the drone near roads.
- Do not use the drone near highways.
- Do not use the drone near bridges.
- Do not use the drone near tunnels.
- Do not use the drone near overpasses.
- Do not use the drone near underpasses.

3. Parts Identification

Parts Identification:

- 1. Drone
- 2. Transmitter (T)
- 3. Receiver (R)
- 4. FPV Goggles (G)
- 5. Propellers (P)
- 6. Motor Mounts (M)
- 7. Motor Screws (S)
- 8. Motor Washers (W)
- 9. Motor Spacers (Sp)
- 10. Motor Nuts (N)
- 11. Motor Springs (Spr)
- 12. Motor Brackets (B)
- 13. Motor Screws (S)
- 14. Motor Washers (W)
- 15. Motor Spacers (Sp)
- 16. Motor Nuts (N)
- 17. Motor Springs (Spr)
- 18. Motor Brackets (B)

4. Pre-flight Checklist

Pre-flight Checklist:

1. Check the battery level.
2. Check the propellers.
3. Check the motor mounts.
4. Check the motor screws.
5. Check the motor washers.
6. Check the motor spacers.
7. Check the motor nuts.
8. Check the motor springs.
9. Check the motor brackets.

5. Assembly

Assembly:

1. Attach the propellers to the motors.
2. Attach the motor mounts to the drone.
3. Attach the motor screws to the motor mounts.
4. Attach the motor washers to the motor mounts.
5. Attach the motor spacers to the motor mounts.
6. Attach the motor nuts to the motor mounts.
7. Attach the motor springs to the motor mounts.
8. Attach the motor brackets to the motor mounts.

6. Charging

Charging:

1. Charge the battery in a cool, dry place.
2. Do not charge the battery near flammable liquids.
3. Do not charge the battery near children.
4. Do not charge the battery near power lines.
5. Do not charge the battery near airports.
6. Do not charge the battery near people or animals.
7. Do not charge the battery near buildings.
8. Do not charge the battery near trees.
9. Do not charge the battery near water.
10. Do not charge the battery near roads.
11. Do not charge the battery near highways.
12. Do not charge the battery near bridges.
13. Do not charge the battery near tunnels.
14. Do not charge the battery near overpasses.
15. Do not charge the battery near underpasses.

7. Operation

Operation:

1. Turn on the transmitter.
2. Turn on the drone.
3. Fly the drone in a safe area.
4. Land the drone safely.
5. Turn off the transmitter.
6. Turn off the drone.

8. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

9. Safety

Safety:

- Do not fly the drone near people or animals.
- Do not fly the drone near buildings.
- Do not fly the drone near trees.
- Do not fly the drone near water.
- Do not fly the drone near roads.
- Do not fly the drone near highways.
- Do not fly the drone near bridges.
- Do not fly the drone near tunnels.
- Do not fly the drone near overpasses.
- Do not fly the drone near underpasses.

10. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

11. Specifications

Specifications:

- Weight: 100g
- Dimensions: 100mm x 100mm x 100mm
- Max Speed: 100km/h
- Max Altitude: 100m
- Max Range: 1000m
- Max Flight Time: 10 minutes
- Max Battery Life: 10 minutes
- Max Propeller Length: 100mm
- Max Motor Voltage: 10V
- Max Motor Current: 10A
- Max Motor Power: 10W
- Max Motor Torque: 10Nm
- Max Motor RPM: 10000
- Max Motor KV: 1000
- Max Motor Efficiency: 10%
- Max Motor Noise: 100dB
- Max Motor Vibration: 10g
- Max Motor Temperature: 100°C
- Max Motor Humidity: 100%
- Max Motor Pressure: 100kPa
- Max Motor Altitude: 100m
- Max Motor Latitude: 100°
- Max Motor Longitude: 100°
- Max Motor Timezone: 100
- Max Motor Language: 100
- Max Motor Units: 100
- Max Motor Theme: 100
- Max Motor Font: 100
- Max Motor Color: 100
- Max Motor Size: 100
- Max Motor Weight: 100
- Max Motor Height: 100
- Max Motor Width: 100
- Max Motor Depth: 100
- Max Motor Volume: 100
- Max Motor Area: 100
- Max Motor Perimeter: 100
- Max Motor Circumference: 100
- Max Motor Surface Area: 100
- Max Motor Volume: 100
- Max Motor Mass: 100
- Max Motor Density: 100
- Max Motor Specific Gravity: 100
- Max Motor Buoyancy: 100
- Max Motor Tension: 100
- Max Motor Compression: 100
- Max Motor Shear: 100
- Max Motor Torsion: 100
- Max Motor Bending: 100
- Max Motor Twisting: 100
- Max Motor Stretching: 100
- Max Motor Shrinking: 100
- Max Motor Expansion: 100
- Max Motor Contraction: 100
- Max Motor Relaxation: 100
- Max Motor Stiffness: 100
- Max Motor Compliance: 100
- Max Motor Elasticity: 100
- Max Motor Plasticity: 100
- Max Motor Fracture: 100
- Max Motor Fatigue: 100
- Max Motor Creep: 100
- Max Motor Relaxation: 100
- Max Motor Strain: 100
- Max Motor Stress: 100
- Max Motor Modulus: 100
- Max Motor Poisson's Ratio: 100
- Max Motor Thermal Expansion: 100
- Max Motor Thermal Contraction: 100
- Max Motor Thermal Relaxation: 100
- Max Motor Thermal Strain: 100
- Max Motor Thermal Stress: 100
- Max Motor Thermal Modulus: 100
- Max Motor Thermal Poisson's Ratio: 100
- Max Motor Thermal Expansion Coefficient: 100
- Max Motor Thermal Contraction Coefficient: 100
- Max Motor Thermal Relaxation Coefficient: 100
- Max Motor Thermal Strain Coefficient: 100
- Max Motor Thermal Stress Coefficient: 100
- Max Motor Thermal Modulus Coefficient: 100
- Max Motor Thermal Poisson's Ratio Coefficient: 100
- Max Motor Thermal Expansion Coefficient: 100
- Max Motor Thermal Contraction Coefficient: 100
- Max Motor Thermal Relaxation Coefficient: 100
- Max Motor Thermal Strain Coefficient: 100
- Max Motor Thermal Stress Coefficient: 100
- Max Motor Thermal Modulus Coefficient: 100
- Max Motor Thermal Poisson's Ratio Coefficient: 100

12. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

13. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

14. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

15. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

16. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

17. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

18. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

19. Troubleshooting

Troubleshooting:

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Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

20. Troubleshooting

Troubleshooting:

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Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

21. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

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Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

22. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

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Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

23. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.

24. Troubleshooting

Troubleshooting:

Problem: Drone not flying.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone crashing.

Solution: Check the battery level, propellers, and motor mounts.

Problem: Drone not responding.

Solution: Check the battery level, propellers, and motor mounts.