

## Trimble UX5 Aerial Imaging Rover

Before you use the Trimble® UX5 aerial imaging rover, make sure that you have read and understood all safety requirements. This safety information warns of potential hazards which, if not avoided, could result in serious personal injury and equipment damage.

Make sure that you have also read the *Trimble UX5 & UX5 HP Launcher Quick Start Guide* for all safety requirements pertaining to the launcher.

An absence of specific warnings does not mean that there are no safety risks involved.

### Safety measures for launch



**WARNING** – When handling the UX5, make sure that the elevons can move freely and are not obstructed in any way. Impaired movement of the elevons can cause the servo motor to burn up.



**WARNING** – Always take care to avoid contact with the propeller blades. If the UX5 receives a sudden shock while armed, the motor can unexpectedly start causing the propeller blades to move. Contact with moving propeller blades can result in serious personal injury.



**WARNING** – Take care to ensure the UX5 aerial imaging rover is correctly positioned on the launch dock. An incorrect position can result in launch failure, causing serious personal injury and damage to the rover or launcher.



**WARNING** – Make sure there are no people or obstacles near the front of the launcher. Failure to do so could result in serious personal injury and damage to the rover or launcher.

### Safety measures for landing



**WARNING** – Make sure there are no people or obstacles near the landing zone. Failure to do so could result in serious personal injury and/or damage to the rover.

## Lithium polymer battery safety

Read the user documentation provided for the battery charger carefully before using the charger for the first time.



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**WARNING** – Lithium polymer batteries are volatile. Failure to read and follow these instructions may result in fire, personal injury, and damage to property if charged or used incorrectly. To prevent injury or damage:

- Use only the charger specified to charge the battery.
  - If at any time you see a battery starting to balloon or swell up, discontinue the charging process immediately. Disconnect the battery and place it in a safe observation area for approximately 15 minutes. Continuing to charge a battery that has begun to swell will result in fire.
  - Charge the battery in an isolated area, away from flammable materials.
  - Never leave charging batteries unattended. When charging the battery you should always remain in constant observation to monitor the charging process and react to potential problems that may occur.
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**WARNING** – Always check that the settings on the charger are correct before charging the battery. Incorrect charger settings may result in damage to the battery, severe burning, and fire hazards.

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**WARNING** – The maximum charging current for the UX5 battery is limited to 5 A. This value must be lower than the maximum permissible current (6 A) for the UX5 battery. Incorrect battery charging parameters can destroy your battery and cause it to catch fire or explode.

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