

Tello Drone Control - Quick Start Guide

1. Setup

1. Activate environment: `conda activate tello_env`
2. Start gaze tracker: `conda activate gazeml`
`cd /media/hn_97/VOLUME G/GazeML-org/src`
`python elg_run.py`
3. Start drone control: `cd /media/hn_97/VOLUME G/GazeML-org/src`
`python drone_gaze_blink_control.py`

2. Keyboard Controls

- t → Takeoff
- l → Land
- m → Start video stream + live window
- n → Stop video stream + close window
- SHIFT → One-shot gaze move
- Ctrl+C → Emergency exit (lands + quits)

3. Blink Controls

- Right blink → Rotate CW 45°
- Left blink → Rotate CCW 45°
- Two quick RIGHT → Move forward 30 cm
- Two quick LEFT → Move backward 30 cm
- Double blink → Toggle recording (only if streaming ON)

4. Gaze Controls (hold SHIFT)

- Look left → Strafe left
- Look right → Strafe right
- Look up → Ascend
- Look down → Descend
- Look center → Hover

5. Feedback & Logging

- Logs + videos saved under 'tello gaze log'.
- Live stream window (720x480) shows:
 - Battery %
 - Altitude (cm)
 - Video feed (+ REC indicator when recording).