

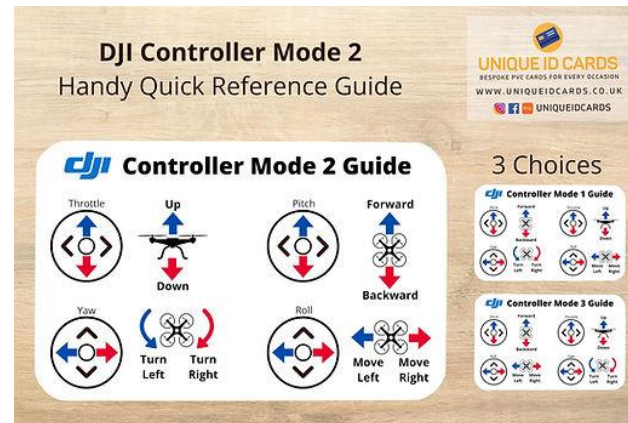
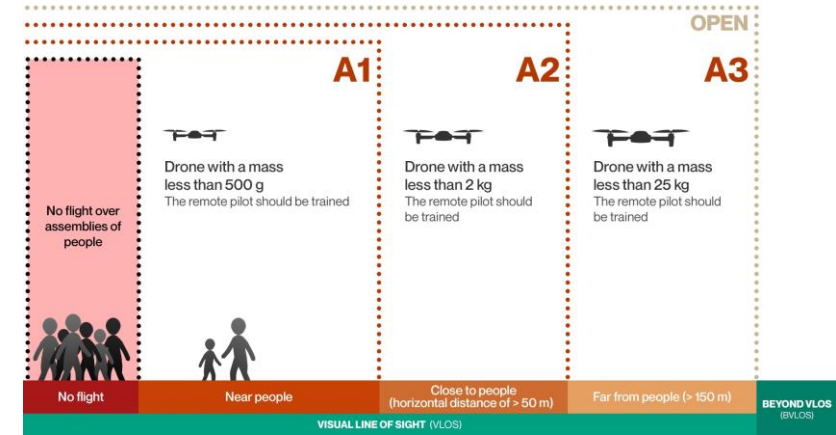


Thornbury And South Gloucestershire Amateur Radio Club (TSGARC)

UAS =
Unmanned
Aerial
Systems

Topics

- Types
- UK regulations
- Where and when to fly
- Flying
- Results



Types - Toys



Types – Amateur A1 & A3



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Types – Professional A2 & A3



Types - Military



UK Regulations - A1, A2 & A3

Type of drone or model aircraft	ID needed	
	Flyer ID	Operator ID
Below 250g / toy	✗	✗
Below 250g / not a toy / no camera	✗	✗
Below 250g / not a toy / with camera	✗	✓
250g or above	✓	✓

- Pleasure – No Insurance
- Business – Public Liability Insurance

UK Regulations – A1, A2 & A3

Open A1 Category – Over People



Aircraft	Over flight of Assemblies?	Overflight/ Distance from People?	Follow -me mode?	Competency?
Class C0 Or Privately built, <250g and max speed of 19 m/s (36 kts / 42 mph) OR Placed on Market < 1 July 2022 and <250g	No overflight of assemblies	May overfly uninvolved persons	Up to a distance of 50m from RP (no requirement for VLOS)	RP familiar with User Manual
Class C1 with Remote ID and Geo-Awareness OR <500g if RP has attained competency level specific by state* (until 30 June 2022 only)		No expected overflight of uninvolved persons. If occurs, reduce time as much as possible		RP familiar with User Manual and passed the Foundation training and online test (i.e. DMARES)

* CAA have not set this level yet



NoFlyDrones.co.uk

Open A2 Category – Close to People



Aircraft	Over flight of Assemblies?	Overflight/ Distance from People?	Follow -me mode?	Competency?
Class C2 with Remote ID and Geo-Awareness OR <2kg if RP has attained competency level specific by state (until 30 June 2022 only)	No overflight of assemblies	No overflight of uninvolved persons Remain 50m horizontal OR 30m if UA is C2 Remain 5m horizontal in low speed mode (3 m/s)	No provisions for this are made	RP familiar with User Manual And A2 Certificate of Competency (A2 CoC)

Open A3 Category – Far from People

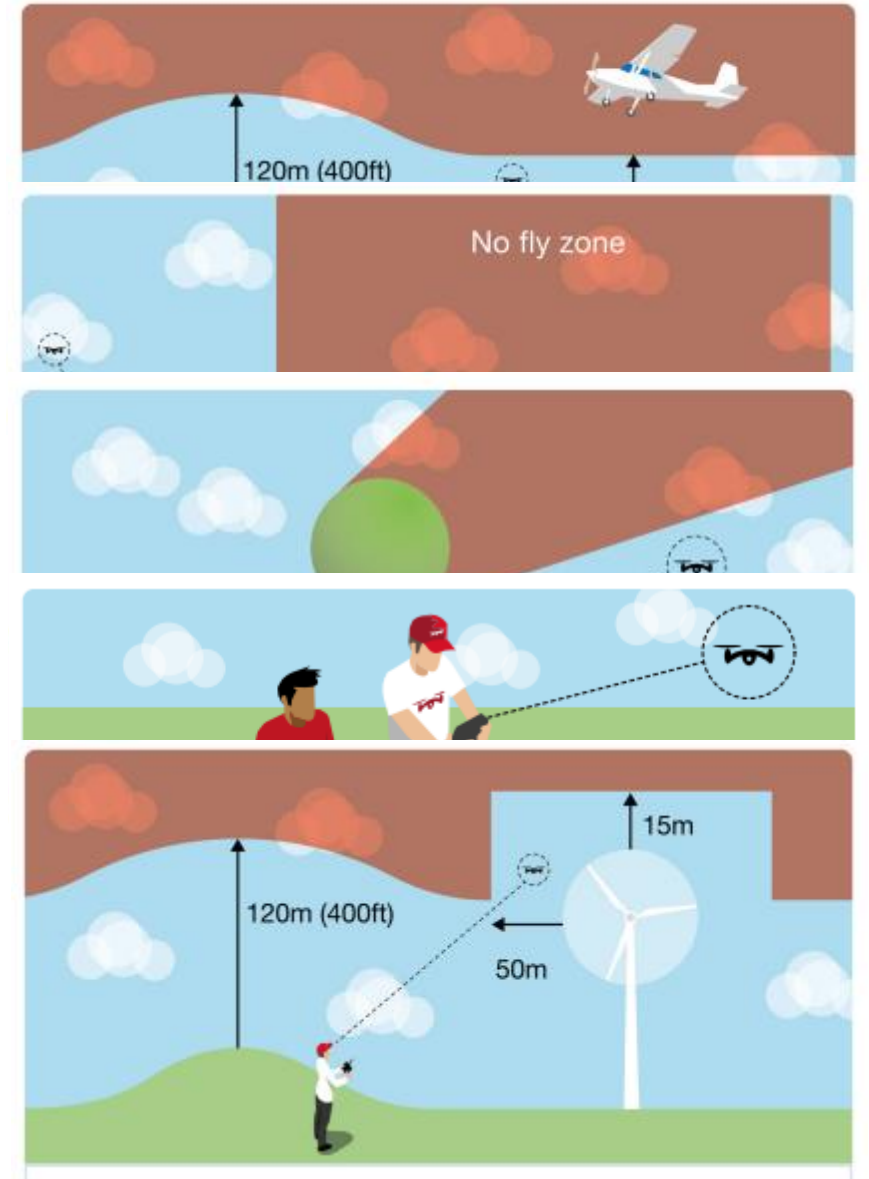


Aircraft	Over flight of Assemblies?	Overflight/ Distance from People?	Follow -me mode?	Competency?
Class C2/C3 with Remote ID and Geo-Awareness OR Class C4 OR Placed on Market < 1 July 2022 or Privately Built and <25kg OR 2kg<UA<25kg if RP has and passed the Foundation training and online test (i.e. DMARES) (until 30 June 2022 only)	No overflight of assemblies	No expectation of danger to uninvolved persons (CAA propose 50m as guidance) 150m from congested area	No provisions for this are made	RP has and passed the Foundation training and online test (i.e. DMARES)

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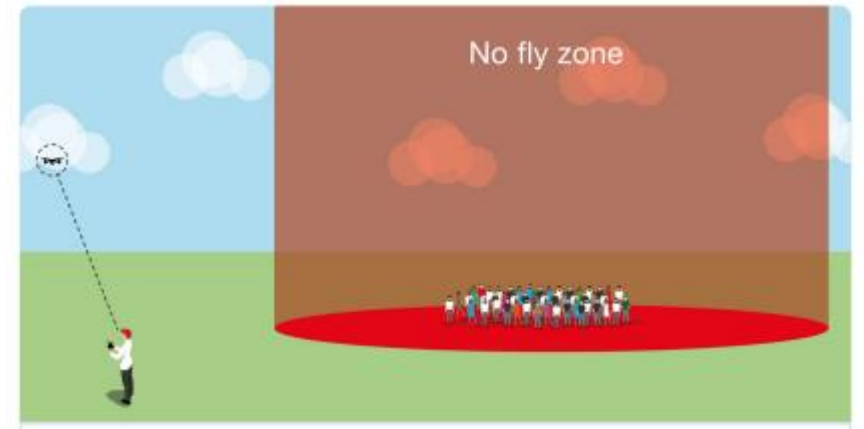
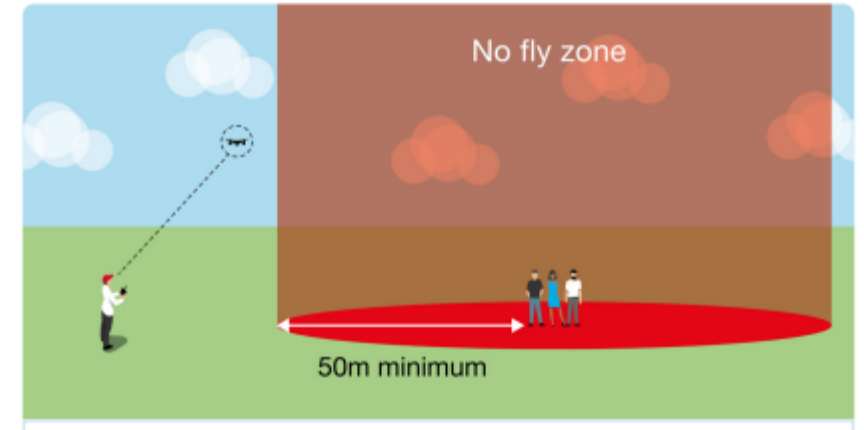
UK Regulations – A1

- Below 250g
- Operator ID Only
- 120m (400ft) Maximum height
- No flight over crowds
- Visual Line of sight
- Observer for FPV
- Higher than 120M when carrying out a task



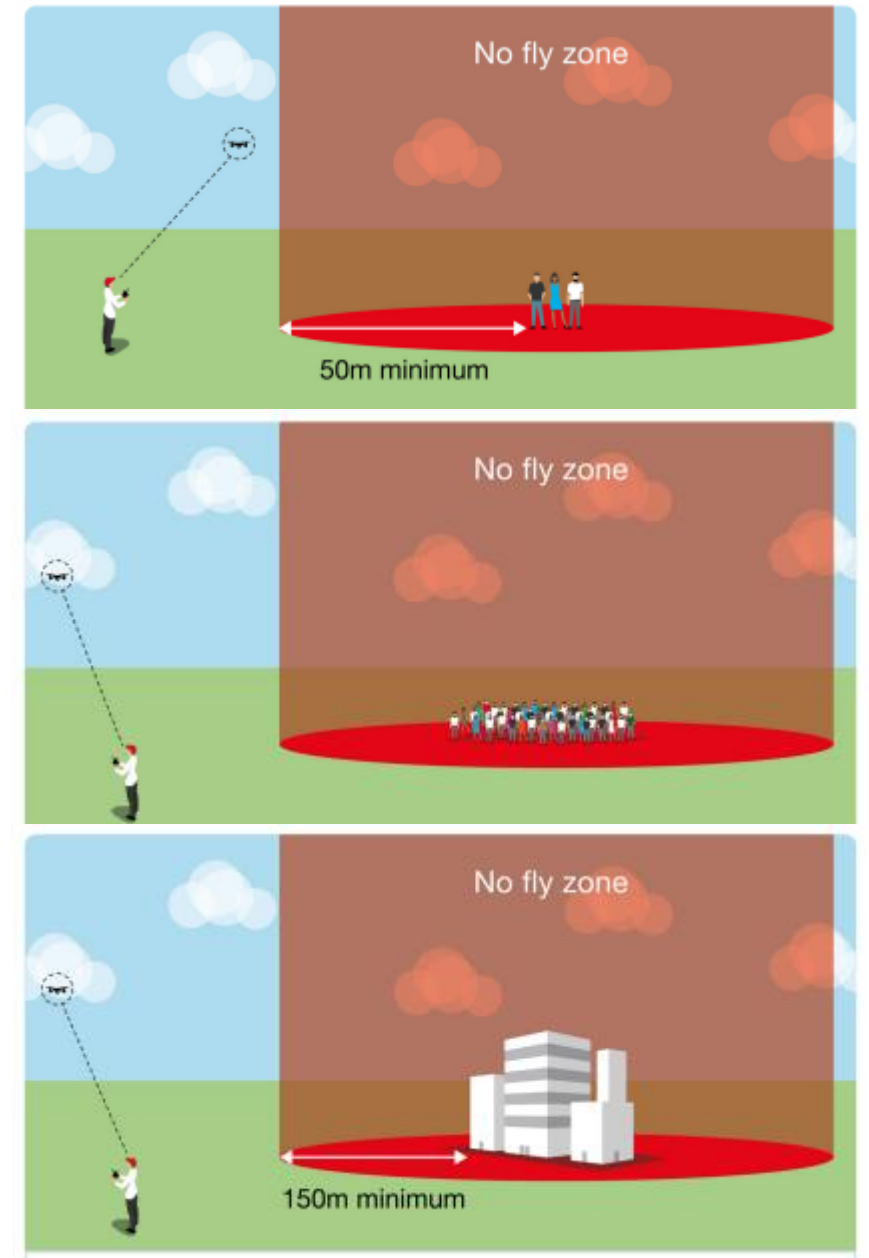
UK Regulations – A2

- Pass A2 CofC course and exam
- No Flight over uninvolved people
- No flight over crowds



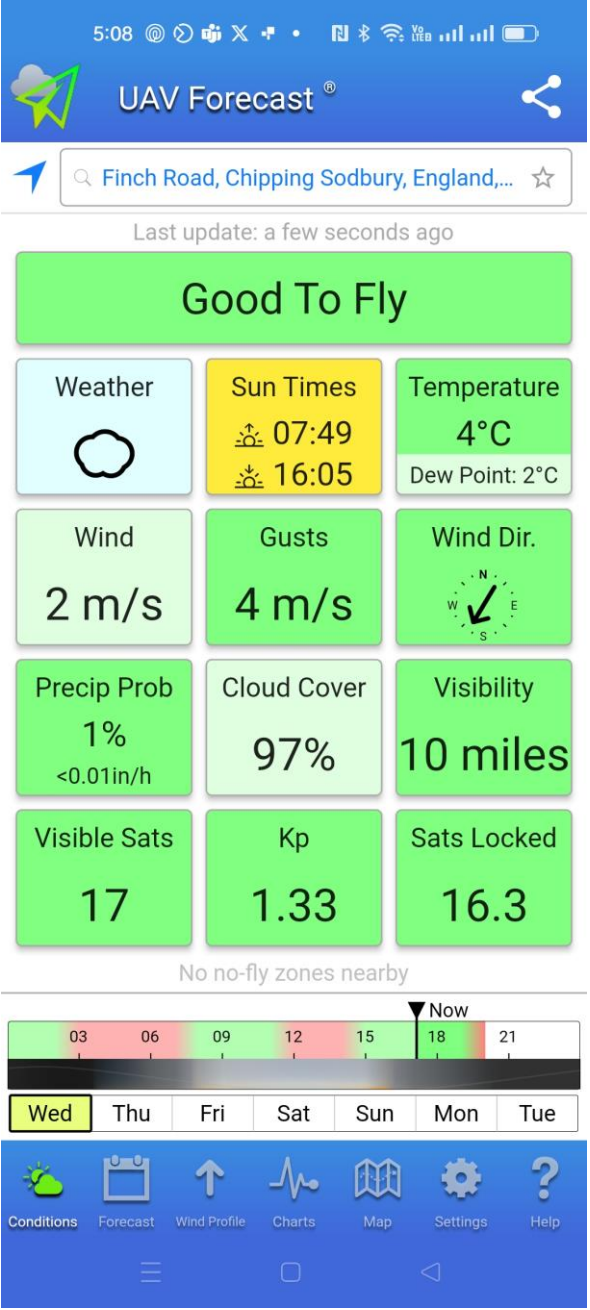
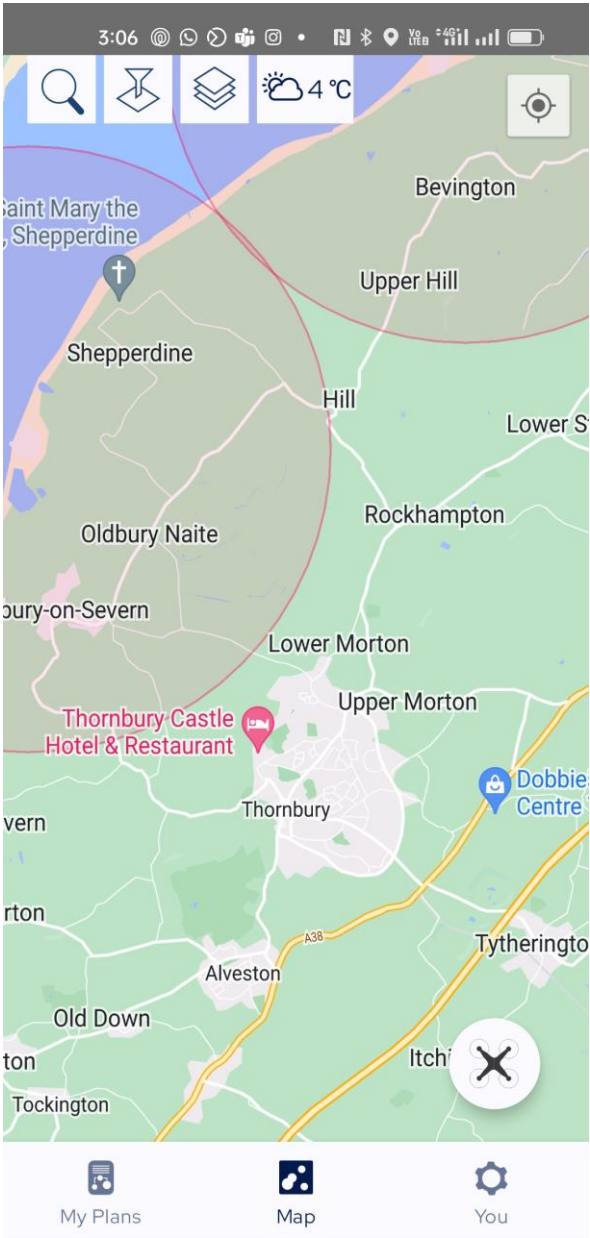
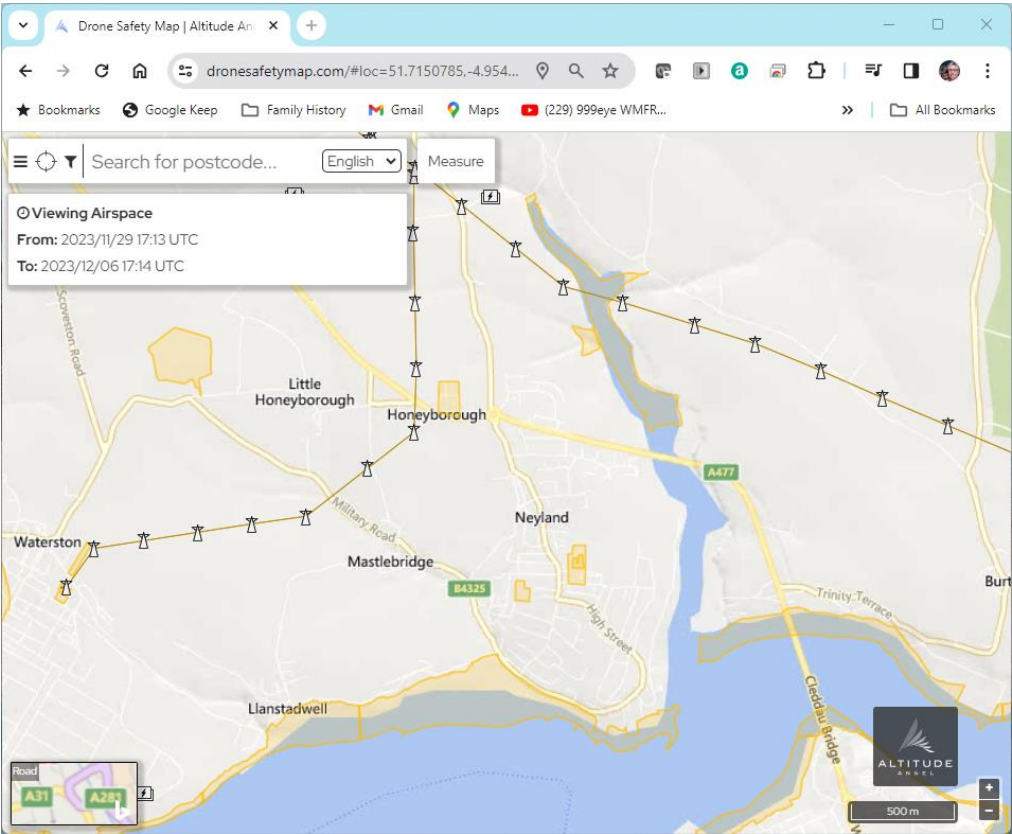
UK Regulations – A3

- Below 25Kg
- Operator ID and Flyer ID
- No Flight over uninvolvement people
- No flight over crowds
- No flight within 150m of buildings

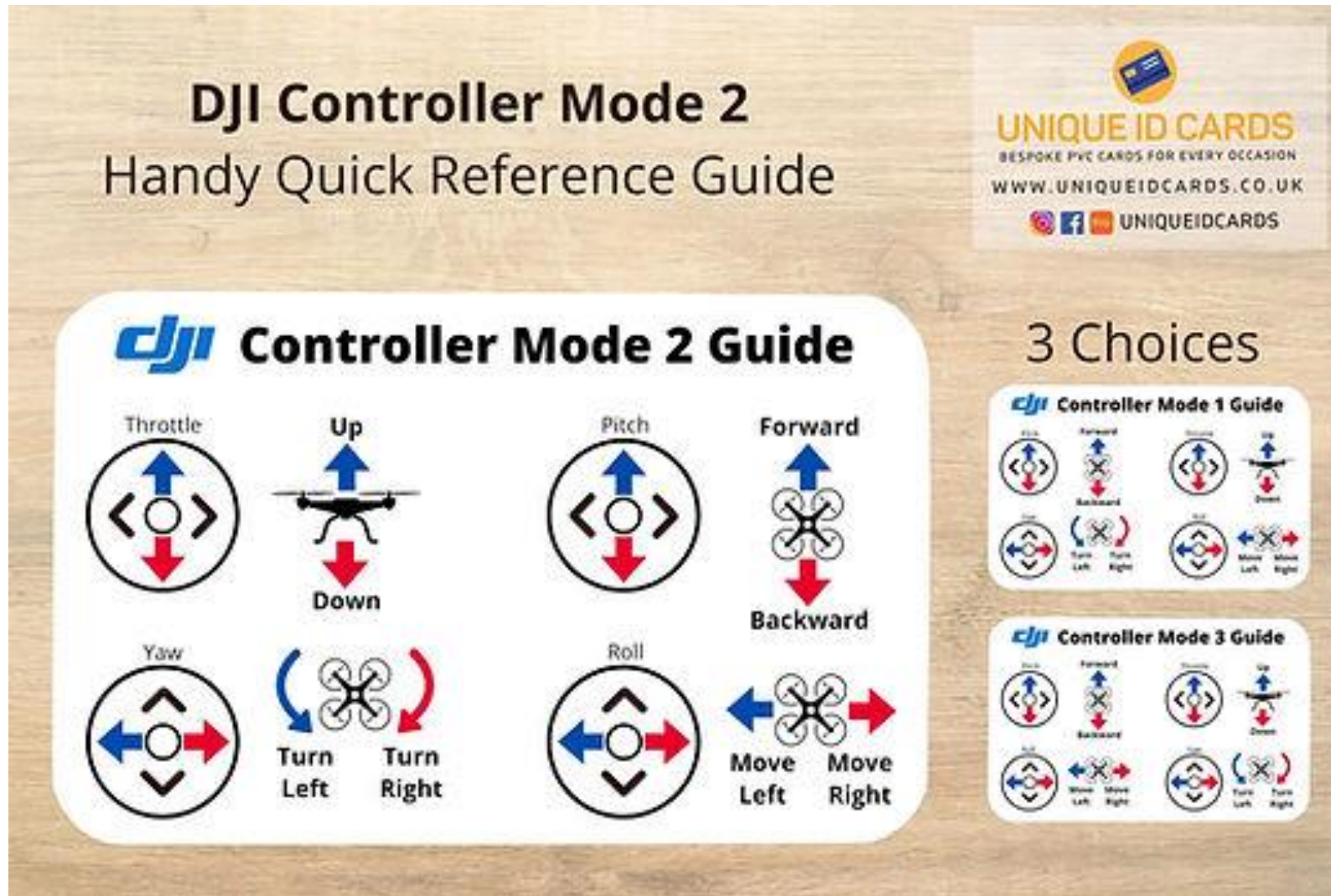


Where and when to fly

- Drone Assist/Drone Safety Map
- UAV Forecast



Flying - Controls



Flying - Practical



Results



Thornbury And South Gloucestershire
Amateur Radio Club – M0ZMB

Links

Operator and Flyer IDs: <https://www.caa.co.uk/drones/rules-and-categories-of-drone-flying/introduction-to-drone-flying-and-the-uk-rules/>

What to buy: https://www.dji.com/uk/mini-4-pro?site=brandsite&from=landing_page

Where to fly: <https://www.dronesafetymap.com/#loc=51.6145629,-2.5283511,12.993485861828312>