RID DEPLOYMENT GUIDE (CONDENSED)

Full interactive version: ridfinder.com/docs/deployment-guide/
Checked 2026-09-11. Ranges are site-dependent - measure, do not assume.

1. Siting

- Height beats distance: line of sight to the flight volume first
- 2-3 m clearance around antennas; metal detunes reception
- RID antenna: see the sky volume; RF antenna: see ground paths
- Roof mounts: surge protection and bonding in the survey

2. Power and connectivity

- One PoE run covers data + power for most nodes, under 8 W
- Wi-Fi works but couples you to site network changes
- Temporary sites: battery/solar trade uptime for setup speed

3. The walk-test protocol

No deployment is done without it. Ten minutes of flying beats any coverage promise.

1. Authorised drone, planned grid, GPS truth logging
2. Detection events logged against truth, gaps marked on map
3. Two heights tested; repeat after rain / full car park

4. Acceptance criteria (example)

- Detection of the test aircraft on at least 90% of grid points
- No false alerts from site Wi-Fi during a 24 h soak test
- Alert reaches control room in under 10 s end to end

5. Where this guide ends

Site-specific RF studies, aviation authority permissions and any mitigation capability are outside this guide - and outside our advisory scope. We say so in writing, up front.

DEPLOYMENT GUIDE (3 of 3) - GET HELP

Free requirements screening
ridfinder.com/services - answer within one business day

Receiver comparison, with sources and dates
ridfinder.com/receivers

Full docs index
ridfinder.com/docs

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