MANUAL *

* multirotors: attitude stabilized,
  fixed wing: mixing of manual inputs

MODE SW

ASSISTED → ASSISTED SW → SEATBELT
                         → EASY

AUTO → RETURN SW → LOITER SW → MISSION
                            → LOITER
                 → RTL

increasing autonomy

MODE SW — Main mode switch (mandatory, 3 position)

ASSISTED SW — Assisted mode switch (optional, 2 position, <u>default</u> value if not present)

RETURN SW — Return switch (optional, 2 position, <u>default</u> value if not present)

LOITER SW — Loiter (pause mission) switch (optional, 2 position, <u>default</u> value if not present)

```
           ┌─────────┐
     ──→ ┌──────────┐  ╱──→ │ onboard │
         │  input   │ (SW?)  └─────────┘
         │viewpoint │  ╲──→ ┌─────────┐
         └──────────┘       │ ground  │
                            └─────────┘

                            ┌─────────┐
     ──→ ┌──────────┐  ╱──→ │   off   │
         │ bounding │ (SW?)  └─────────┘
         └──────────┘  ╲──→ ┌─────────┐
                            │   on    │
                            └─────────┘

                            ┌─────────┐                                      ┌─────────┐
     ──→ ┌──────────┐  ╱──→ │   off   │        ──→ ┌──────────┐  ╱──→         │   off   │
         │avoidance │ (SW?)  └─────────┘            │ approach │ (SW?)         └─────────┘
         └──────────┘  ╲──→ ┌─────────┐            └──────────┘  ╲──→ ┌─────────┐
                            │   on    │                               │   on    │
                            └─────────┘                               └─────────┘
```

input viewpoint — SW? — onboard / ground

bounding — SW? — off / on

avoidance — SW? — off / on

approach — SW? — off / on