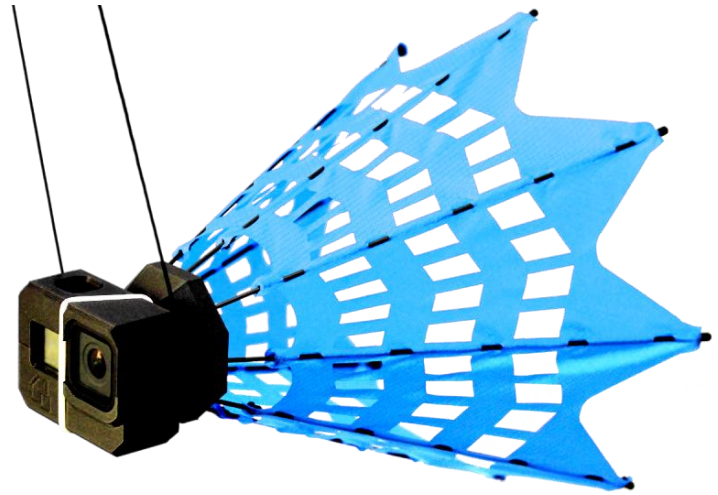# Chase XC

user guide

SkyBean Chase XC is the next generation of our original product flying behind pilot developed to record awesome videos or photos. Its body is truly foldable without any assembly or disassembly needed – it is ready to fly in 5 seconds!
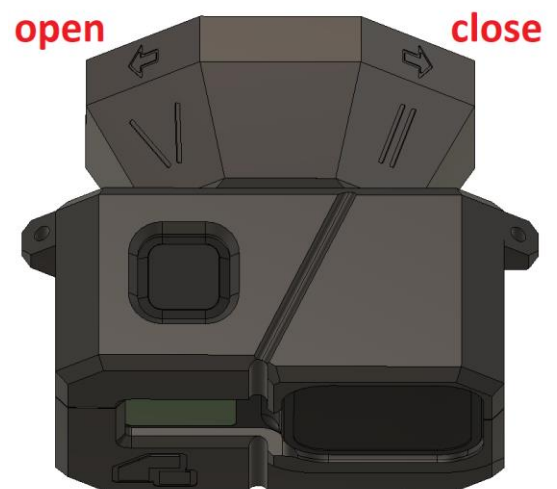
Compatibility

Chase XC is produced in three versions:

- G8 is made for GoPro Hero8 Black camera only.
- G7 is made for GoPro Hero5 Black, GoPro Hero6 Black and GoPro Hero7 Black cameras (GoPro Hero7 silver and white are not compatible).
- UNI is an universal model compatible with all action cameras in weight range 50 – 150 g.

Preparation for flight

Put camera into front cage, called head, and secure it with white silicone ring. Place it into its groove next to the lens.
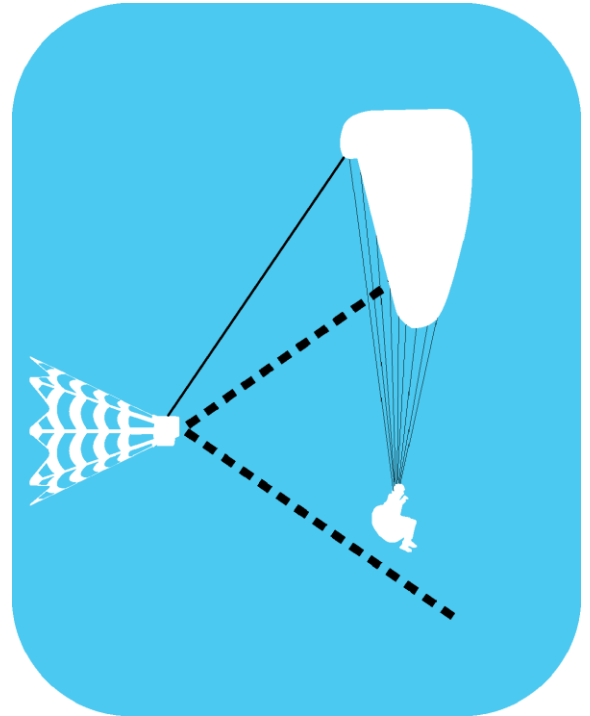
- Open/unfold – When Chase XC is facing to you, rotate its tail counterclockwise until tail is fully opened. After that, marks and arrows on octagonal tail body will be symmetrical at top.
- Close/fold – When Chase XC is facing to you, rotate its tail clockwise until tail is fully closed and carbon rods are in parallel position.
- If you forget the direction of rotation to open/close, arrows and marks representing opened/closed tail will help you.

- Put adhesive camera mount on UNI version and choose correct hanging position on camera holder body to balance Chase XC. Camera should be facing slightly up.

Rope adjustment and attachment

Bungee rope length must be adjusted to achieve best possible footage**.** Pull bungee rope through short silicone tube at the end of loop to adjust its length. We recommend 1.5 m shorter rope than glider's lines including risers. The point is to set length to fit pilot at bottom and glider at top of the scene (see picture). To avoid turbulence air behind the pilot, don't set bungee rope too long. **Particularly PPG pilots should avoid too long rope, due to real possibility that chasecam can hit revolving propeller during landing!** Use wide setting of your camera, we recommend 1440p @ 30fps. Hang chasecam on the middle eye on canopy's trailing edge, where brake line is connected.

Launch

There are several options on how to take-off with Chase XC.

- **Assisted take-off** - This is the best option to get awesome shot during take-off, if there is somebody helpful available. The assistant should stay behind prepared wing in some distance to fit you and the glider into scene. Be sure when asking somebody to assist, that she/he will hold the chasecam lightly and understand she/he will **must release** it after you will move forward to launch!
- **Rocket launch** – In perfect take-off conditions with light wind and suitable take-off surface (without sharp stones) you can use the "rocket launch". Place the chasecam facing camera lens up, in the middle between pilot and trailing edge of the glider.
- **Harness launch** – If you are not sure about smooth launch or if you are time stressed on take-off place by many pilots waiting for launch, use the harness launch. Prepare everything on the side of take-off place and put folded Chase XC into harness pocket. After take-off, when you are away from take-off air space and you are safely sitting in the harness, unfold and release chasecam. Don't forget to smile into recording camera before it flies out :)

Tips and tricks

- Once you takeoff, you cannot touch your camera, so we recommend to use remote control during long XC flights. You will save power and you can capture just interesting and nice footage from your flight, e.g. 30s clips are a good choice.
- If you want to get more from glider into scene, push speed bar. Increased speed will produce more drag, so chasecam will fly further behind you.
- Set camera to 1440p or 4:3 2k7 to get picture from whole CMOS sensor. You can squeeze the footage to 1080p by software during post processing.

Bungee rope

The pilot should check the integrity of the bungee rope before each flight. Do not use it in case of any cracks, splits or scratches! We recommend to change the bungee rope annually in case of frequent use (more than 100 h/year).

Tension fuse

Some pilots of PPG or speed wings fly aggressively very close to obstacles, like trees, buildings or just to each other. In this case, there is a real danger that flying chasecam can get stuck or tangle somewhere. For this reason, we include tension fuse, which holds chasecam safely during normal flight, but will break under extreme force and release stuck chasecam. In normal flight chasecam produces drag around 2.5 N @ 40 kph (10 N @ 100 kph). We tested drag up to 200 kph, when tension fuse starts to open at 20 N of drag. If you decide to use it, disconnect two small keyrings close to attachment hook and place tension fuse between them (PPG picture). In case you will fly speed wing, place both tension fuses in parallel configuration (speed wing picture). Always keep in mind – Better to loose camera with chasecam than face an accident.

| standard | PPG | speed wing |

Safety notes

We spent lot of time with chasecams development to reach the most stable behavior in the air. We tested them for several years during normal paragliding flight conditions without any dangerous situation. However, any official safety tests are missing (because there is no standard for testing), we did most of SIV maneuvers without any problem (you can watch the video on our YouTube channel). Even though:

- We cannot guarantee your inviolable safety, so every pilot uses SkyBean Chase XC at her/his own risk. No member of SkyBean team is responsible for non-standard situations or injuries.
- Before each flight, check condition of Chase XC, bungee rope and tension fuse to prevent losing your gear.
- If you don't fully trust adhesive camera mount on UNI version, we recommend to secure camera with short line attached through hole in the base plate.
- Responsibility for any damages or injuries to third parties is completely covered by pilot of paragliding glider while using SkyBean Chase XC.

Content of package

- Chase XC with bungee rope
- 2 tension fuse rings
- transport pocket
- sticker

Physical parameters

- weight 150 g (without camera)
- dimensions 30x24x24 cm unfolded
- bungee rope length 6 m

NOTE: Adhesive camera mount for UNI version is **NOT** included

Contact information

If you have any further questions, please visit our webpage skybean.eu or contact us via email at info@skybean.eu. Please share your experiences with us, we are looking forward to your feedback!

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