Installation Manual for Side Opening Canopy Connector "Twin 2/3"

Parts of the side opening canopy connector:

a) SteFly Canopy Flasher with cable and canopy frame connector
- o 2 cylinder head screws M3
- o 2 rivet nuts M3, which are glued (or riveted, if you have a rivet gun available) into the canopy frame to attach the side opening connector
b) Fuselage connector with cable leading to the control box (or on/off switch in case of Essential version)
c) Drill template / shims for the fuselage connector

Overview of the installation location (<u>install the canopy connector on the left side</u>):

Installation Procedure:

- Install the canopy flasher like described in the main manual for SteFly Canopy Flasher; do not forget to degrease the bonding surface of the canopy inside in the area of the canopy flasher. Use e.g. water with dishwashing detergent, isopropanol or benzene-free petroleum ether, <u>but never </u>acetone or other alcohol as these solvents may cause micro cracks!

- Determine the exact position of the opposite connector, which is roughly predetermined by the cable length.
- Prepare the backside of the canopy frame connector and the fuselage connector with double sided adhesive tape
- Remove all protection foils of the double-sided adhesive tapes
- Take a seat into the cockpit, close the canopy and attach the canopy frame connector as well as the fuselage connector.

- Mark the position of the two holes for the mounting screws of the canopy frame connector. The canopy frame connector has long holes for later adjustment of the distance between this connector and its counterpart. Therefore, it is recommended to place the drill holes in the middle of the long holes, to have the possibility of later adjustment in up and down direction.
- Open the canopy
- Drill two holes in the canopy frame with a diameter appropriate for the threaded bushings
- Glue the rivet nuts with epoxy glue into the canopy frame and let it harden. Alternatively, if the appropriate tool is available, the rivet nuts can also be riveted
- Install the canopy frame connector and gently fasten the screws
- Install the counterpart (=fuselage connector)
    1) Check the position of the part once again
    2) Drill the three holes (diameter 3,2 mm) and the center hole for the cable (diameter 4,5 mm); you can use one of the shims as drill template
    3) Mount the fuselage connector in the way that the white arrow on the black printed circuit board points towards the cockpit center) and gently fasten the screws

4) Check, if the three spring loaded pins (POGO pins) are in contact with the golden connection surfaces of the printed circuit board when the canopy is closed. You can adjust the distance between these two parts with the two screws in the long holes of the canopy side connector. Furthermore, you can adapt the height by using a shim with another thickness.

- Install the Flarm Control Box and the ACL switch in the panel according to the main manual.

Test the Flasher:

Canopy Flasher with Control Box:
- Switch ACL switch on
- Close the canopy: the flasher should flash twice with small intensity
- Search and connect with WiFi network "Just Soaring" on your mobile device or laptop (WiFi of the control box is automatically activated for 3 minutes after switching on)
- Type in http://192.168.0.1 in a browser and the web application will open
- Check that nobody is looking directly in the canopy flasher
- Click on "test"; the LED will flash for 5 seconds with high intensity

Canopy Flasher Essential:
- Switch ACL switch on
- Close the canopy: the flasher should flash twice with low intensity and then constantly with normal intensity