

Instruction manual for Discus 2b

You will need this or similar servos and accessories


Ailerons: 2x HS-65HB
Elevator: HS-56/65HB (placed in vertical tail fin)
Rudder: HS-81
Landing gear: HS-225BB
Or
Rudder: HS-125MG
Landing gear: HS-125MG
Towing hook: HS-125MG
(Installed with special servo board)

We recommend using very slow servo for landing gear or using normal Mini servo with programmed delay (about 2sec.).

All servo holders are made for HITEC servos.

3m servo cable (min. 0,34mm²), JR/FUT connectors, etc.

Horns (all horns glue with 5-min Epoxy):

Ailerons 

Rudder 

Elevator 

Ailerons



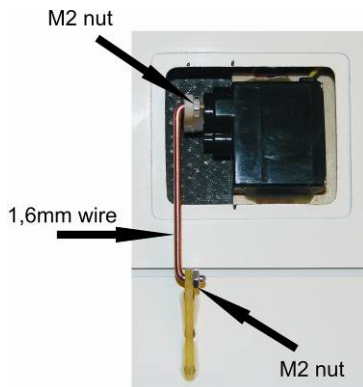
For horns drill holes 2mm



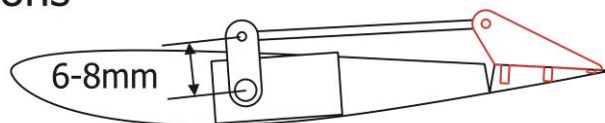
Glue with 5-min Epoxy



Servo position



Ailerons



For linkage use a M2 screw rod with M2 clevis or 1,6mm wire. Install first servo cover and then linkage.

Elevator

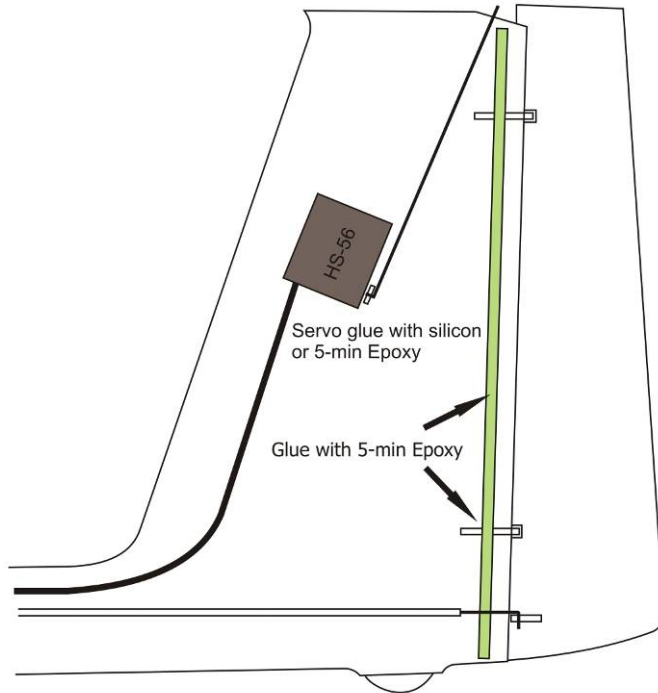
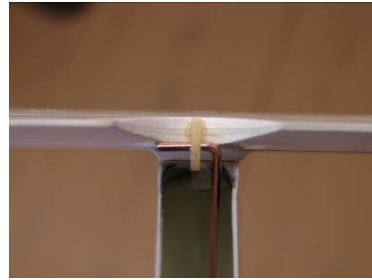
Place the elevator servo in vertical tail fin. Use 1,6mm wire for elevator linkage.



Drill hole for horn



Glue with 5-min Epoxy



Glue vertical tail fin spar after installing elevator servo.

Rudder

For rudder linkage use a Bowden cable (plastic tube 1/2mm and 0,8mm wire).

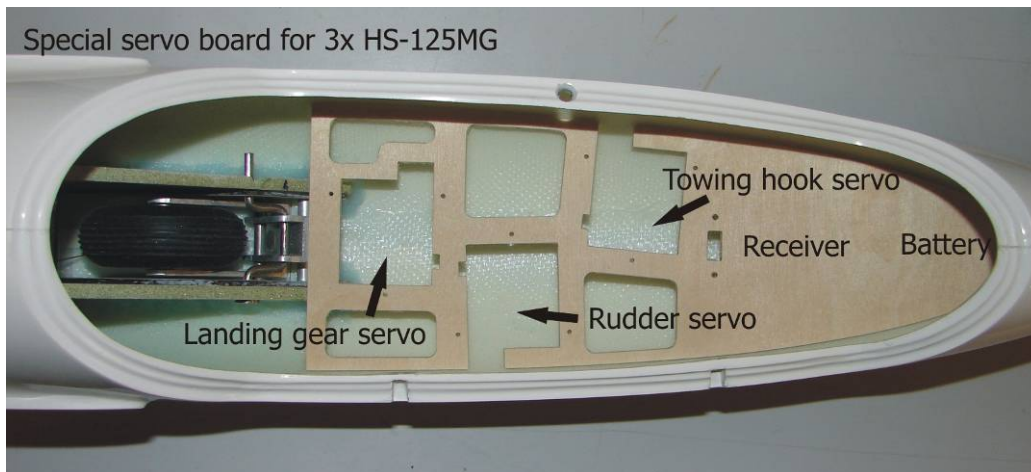


Drill holes for horn

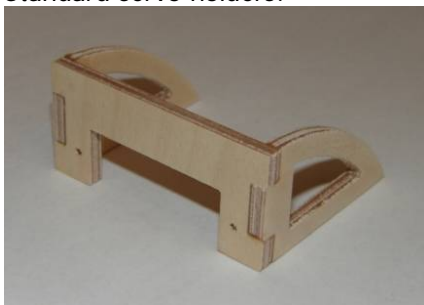


Glue with 5-min Epoxy

Position in fuselage



Standard servo holders:



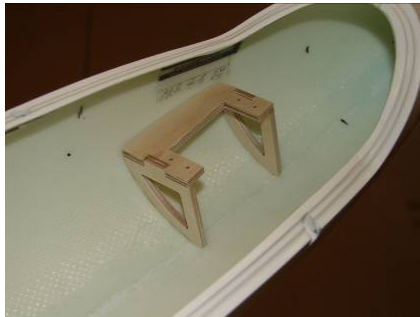
For rudder servo (HS-81)



For Landing gear servo (HS-225)



Position in fuselage



Position in fuselage

Basic set-up for Discus 2b (- up, + down):

CG: 58÷62mm from LE at the root
Ailerons: +5, -12mm
Elevator: ±8mm
Rudder: ±30mm

Butterfly (landing):

Ailerons: -10 (up to 15) mm
Elevator: +3÷4mm

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